

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 Monthly EM&A Report No.76



吉寶西格斯-振華聯營公司 KEPPEL SEGHERS - ZHEN HUA JOINT VENTURE

Monthly EM&A Report No.76 (Period from 1 October to 31 October 2024)

(Clause 3.3, Further Environmental Permit FEP-01/429/2012/A)

KSZHJV	/	312	/	Monthly EM&A	/	0076	/	Α
Issuer		Project Code		Type of Document		Sequential No.		Revision
								Index

Document No.

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Revision History

Rev.	DESCRIPTION OF MODIFICATION	DATE
A	First Submission	14 November 2024

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EXECUTIVE SUMMARY

Introduction

- A1. The Project, Integrated Waste Management Facility (IWMF), is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO) and is currently governed by a Further Environmental Permit (FEP No. FEP-01/429/2012/A) for the construction and operation of the Project.
- A2. In accordance with the Updated Environmental Monitoring and Audit (EM&A) Manual for the Project, EM&A works for marine water quality, noise, waste management and ecology should be carried out by Environmental Team (ET), Acuity Sustainability Consulting Limited (ASCL), during the construction phase of the Project.
- A3. This is the 76th Monthly EM&A Report, prepared by ASCL, for the Project summarizing the monitoring results and audit findings of the EM&A programme at and around Shek Kwu Chau (SKC) during the reporting period from 1 October 2024 to 31 October 2024.

Summary of Main Works Undertaken & Key Mitigation Measures Implemented

- A4. Key activities carried out in this reporting period for the Project included the following:
 - Reclamation Area:
 - Pile cap construction
 - Superstructure construction
 - Seawall Portion:
 - Caisson extension works, from +3mPD to +6mPD, at Seawall A and B
 - Construction of wave wall along the vertical seawall above +3mPD
- A5. The key environmental mitigation measures implemented for the Project in this reporting period associated with the construction activities include:
 - Reduction of noise from equipment and machinery on-site;
 - Sorting, recycling, storage and disposal of general refuse and construction waste;
 - Management of chemicals and avoidance of oil spillage on-site, especially under heavy rains and adverse weather;
 - Dust control of exposed soil surface and stockpile of dusty material at reclaimed area;
 - Dust suppression measures for exposed earth surface and stockpile of dusty material; and
 - Site runoff control measure during construction works.

Summary of Exceedance & Investigation & Follow-up

- A6. The EM&A works for water quality, construction waste, marine mammal and White-Bellied Sea Eagle (WBSE) were conducted during the reporting period in accordance with the Updated EM&A Manual.
- A7. No exceedance of the Action or Limit Levels in relation to noise, construction waste and WBSE was recorded in the reporting month.
- A8. The derived Action/Limit Levels for dry seasons as listed on Table 2.7 was applied in the reporting month.
- A9. During the reporting period, two (2) of general water quality monitoring results of SS obtained during the reporting period had exceeded the Action Level and two (2) of general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level. Investigations were carried out for each exceedance during the reporting period.
- A10. Weekly site inspections of the construction work by ET were carried out on 02, 08, 15, 22 and 29 October 2024 to audit the mitigation measures implementation status. Monthly joint site inspection was carried out on 15 October 2024 by ET and IEC. Observations were recorded in the site inspection checklists and provided to the contractors together with the appropriate follow-up actions where necessary.

Complaint Handling and Prosecution

- A11. No project-related environmental complaint was received during the reporting period.
- A12. Neither notifications of summons nor prosecution was received for the Project.

Reporting Change

A13. As marine construction works as defined in the approved EIA report (AEIAR-163/2012) and the Updated EM&A Manual was conducted in October 2024, impact water quality monitoring and line transect monitoring were resumed in October 2024.

Summary of Upcoming Key Issues and Key Mitigation Measures

- A14. Key activities anticipated in the next reporting period for the Project will include the following:
 - Reclamation Area:
 - Pile cap construction
 - Superstructure construction
 - Seawall Portion:
 - Caisson extension works, from +3mPD to +6mPD, at Seawall A and B
 - Construction of wave wall along the vertical seawall above +3mPD

A15. The key environmental mitigation measures for the Project in the coming reporting period associated with the construction activities will include:

- Reduction of noise from equipment and machinery on-site;
- Sorting, recycling, storage and disposal of general refuse and construction waste;
- Management of chemicals and avoidance of oil spillage on-site, especially under heavy rains and adverse weather;
- Dust control of exposed soil surface and stockpile of dusty material at reclaimed area;
- Dust suppression measures for exposed earth surface and stockpile of dusty material; and
- Site runoff control measure during construction works.

1. BASIC PROJECT INFORMATION

1.1 Background

- 1.1.1 The Government of Hong Kong SAR will develop the Integrated Waste Management Facilities (IWMF) Phase 1 (hereafter "the Project") with incineration to achieve substantial bulk reduction of unavoidable municipal solid waste (MSW) and to recover energy from the incineration process. The IWMF will be on an artificial island to be formed by reclamation at the south-western coast of Shek Kwu Chau. Keppel Seghers Zhen Hua Joint Venture (KSZHJV) was awarded the contract under Contract No. EP/SP/66/12 Integrated Waste Management Facilities Phase 1 to construct and operate the Project.
- 1.1.2 An environmental impact assessment (EIA) study for the Project has been conducted and the EIA Report was approved under the Environmental Impact Assessment Ordinance on 17 January 2012. An Environmental Permit (EP) (EP No.: EP-429/2012) was granted to EPD on 19 January 2012 for the construction and operation of the Project. Subsequently, the EP was amended (EP No.: EP-429/2012/A) and a further EP (FEP) (EP No.: FEP-01/429/2012/A) was granted to the Keppel Seghers – Zhen Hua Joint Venture (KSZHJV) on 27 December 2017.
- 1.1.3 A further EP (FEP) (EP No.: FEP-02/429/2012/A) on Submarine Cable for the Development of the Project was granted to CLP Power Hong Kong Limited (CLP) on 17 January 2020.
- 1.1.4 The key design and construction elements of the Project include the Design and the Works including but not limited to the design, engineering procurement, construction, testing and commissioning of the Facility including:
 - Ground Treatment works;
 - Seawall and Breakwater construction;
 - Non-dredged Reclamation;
 - Other Marine works and Harbour and Port Facilities;
 - Site formation;
 - Municipal Solid Waste (MSW) Treatment Processes;
 - Energy Recovery for Power Generation and Surplus Electricity export;
 - Wastewater treatment process;
 - Desalination and water treatment process;
 - Civil works;
 - Building and Structural works;
 - Electrical and Mechanical works;
 - Building Services;
 - Architectural and Landscaping works; and
 - All other design and works required for the operation and maintenance of the Facility according to the Contract requirements.

1.1.5 The location of the IWMF near Shek Kwu Chau (SKC) and general layout of IWMF are shown in **Figure 1.1** and **Figure 1.2** respectively.

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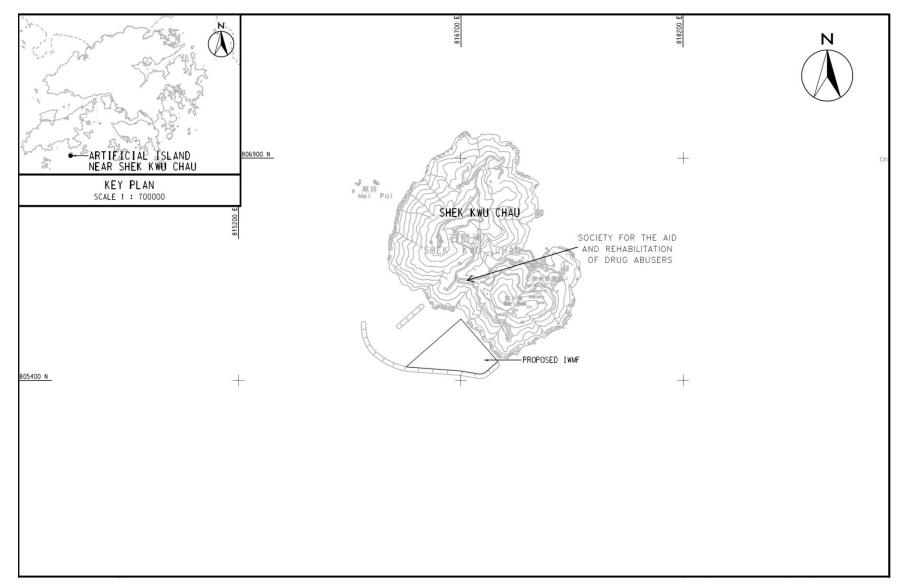


Figure 1.1 Location of the IWMF at the Artificial Island near SKC

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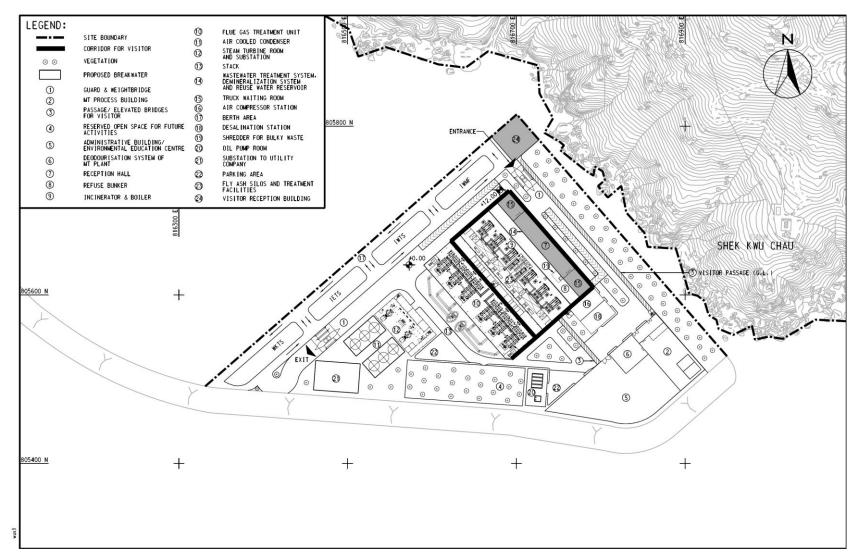


Figure 1.2 General Layout of the IWMF at the Artificial Island near SKC

1.2 The Reporting Scope

- 1.2.1 This is the 76th Monthly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 October 2024 to 31 October 2024.
- 1.3 Project Organization
- 1.3.1 The Project Organization structure for Construction Phase is presented in **Figure 1.3**.

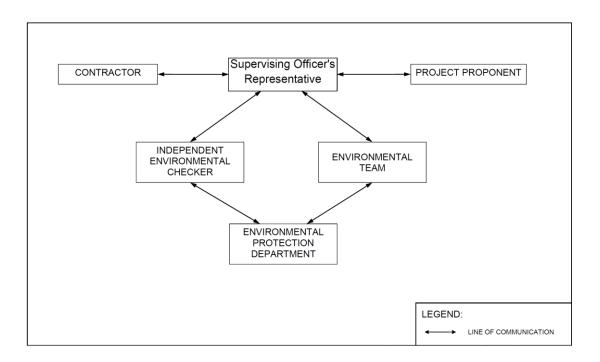


Figure 1.3 Project Organization Chart

1.3.2 Contact details of the key personnel are presented in **Table 1.1** below:

Table 1.1 Contact Details of Key Personnel

Party	Position	Name	Telephone no.
Keppel Seghers – Zhen Hua Joint Venture	Project Manager	Peter Chung	2192-0603
Acuity Sustainability Consulting Limited	Environmental Team Leader	F.C. Tsang	2698-6833
ERM-Hong Kong, Limited	Independent Environmental Checker	Mandy To	2271-3000

1.4 Summary of Construction Works

1.4.1 Details of the major construction activities undertaken in this reporting period are shown in **Table 1.2** and **Figure 1.4** below. The construction programme is presented in **Appendix A**.

 Table 1.2 Summary of the Construction Activities Undertaken during the Reporting Month

Location of works	Construction activities undertaken	Remarks on progress
Reclamation area	Pile cap construction	On-going
	Superstructure construction	• On-going
Seawall portion	• Caisson extension works, from +3mPD to +6mPD, at Seawall A and B	On-going
	• Construction of wave wall along the vertical seawall above +3mPD	• On-going

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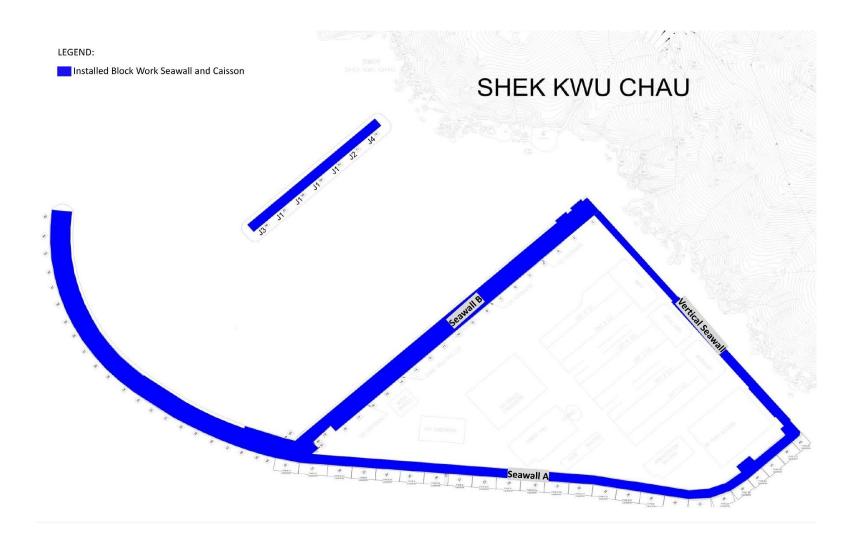


Figure 1.4 Location of Major Construction Activities Undertaken during the Reporting Month

1.5 Summary of Environmental Status

1.5.1 A summary of the valid permits, licences, and /or notifications on environmental protection for this Project is presented in **Table 1.3**

Table 1.3 Summary of the Status of Valid Environmental Licence, Notification, Permit and Documentations

Permit/ Licences/ Notification	Reference	Validity Period	Remarks
Variation of Environmental Permit	EP-429/2012/A	Throughout the Contract	
Further Environmental Permit	FEP-01/429/2012/A	Throughout the Contract	
Notification of Construction Works under the Air Pollution Control (Construction Dust) Regulation (Form NA)	Ref No.: 10009615	30/09/2024– 31/08/2025	
Notification of Construction Works under the Air Pollution Control (Construction Dust) Regulation (Form NA)	Ref No.: 10009615	30/09/2024 – 31/08/2025	
Wastewater Discharge Licence	WT00039438-2021	15/02/2022 – 28/02/2027	
Chemical Waste Producer Registration	WPN0017-933-K3301- 01	Throughout the Contract	
	WPN5213-961-K3301- 02 WPN5296-839-K3301- 03	Throughout the Contract Throughout the Contract	-
Construction Noise Permit (24 hours)	GW-RS0568-24	02/07/2024– 01/01/2025	Portion 1, 1A & 1B
Billing Account for Disposal of Construction Waste	A/C No.:7029768	Throughout the Contract	

1.5.2 The status for all environmental aspects is presented in **Table 1.4**.

Parameters	Status		
Water Quality			
Baseline Monitoring under Updated EM&A Manual and Detailed Plan on DCM	The baseline water quality monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4		
Impact Monitoring	As marine construction works as defined in the approved EIA report (AEIAR-163/2012) and the Updated EM&A Manual was conducted in October 2024, impact water quality monitoring was resumed in October 2024.		
Post DCM Monitoring	All DCM was completed on 14 October 2020, regular DCM monitoring for further 4 weeks (i.e form 16 October 2020 to 14 November 2020) was completed according to the approved Detailed Plan on Deep Cement Mixing		
Initial Intensive DCM Monitoring	Conducted from 11 February 2019 to 10 March 2019, had not been resumed since there was no DCM related parameter exceeding the AL/LL.		
Baseline Water Quality of wet season Noise	Completed over 13 August 2018 to 7 September 2018		
	The baseline noise manifering result has been such that		
Baseline Monitoring	The baseline noise monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4		
Impact Monitoring	On-going		
Waste Management			
Mitigation Measures in Waste Monitoring Plan	On-going		
Coral			
Pre-translocation Survey and Coral Mapping	The Coral Translocation Plan was submitted and approved by EPD under EP Condition 2.12		
Coral Translocation	Completed on 28 March 2018		
Post-Translocation Coral Monitoring	Survey affected by missing of translocated and tagged coral colonies after typhoons in September 2018, completed on 28 March 2019.		
Pre-construction Coral Survey and Tagging	Completed on 26 June 2018		
Tagged Coral Monitoring	Survey obstructed due to missing of tagged coral colonies after typhoons in September 2018		
Coral Survey and Re- tagging	Re-tagging at Indirect Impact Site was conducted on 23 November and Re-tagging at Control Site was conducted on 3 December 2018.		
Post Re-tagging Coral Monitoring	On-going		
Marine Mammal			
Vessel-based Line-transect	The baseline marine mammal monitoring result has been		
Survey Baseline	reported in Baseline Monitoring Report and submitted to EPD		
Monitoring	under FEP Condition 3.4		
Vessel-based Line-transect Survey Impact Monitoring	As marine construction works as defined in the approved EIA report (AEIAR-163/2012) and the Updated EM&A Manual was conducted in October 2024, line-transect monitoring was		

Table 1.4 Summary of Status for Key Environmental Aspects under the UpdatedEM&A Manual

Parameters	Status
	resumed in October 2024.
Land-based Theodolite	30 days of theodolite surveys were started on 21 February 2019
Tracking	and completed in May 2019.
Passive Acoustic	30 days of PAM surveys were started on 1 May 2019 and
Monitoring	completed by the end of May 2019.
White-bellied Sea Eagle	
Baseline Monitoring	The baseline WBSE monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4
Impact Monitoring	On-going
Environmental Audit	
Site Inspection covering Measures of Air Quality, Noise Impact, Water Quality, Waste, Ecological Quality, Fisheries, Landscape and Visual	On-going
Mitigation Measures in Marine Mammal Watching Plan (MMWP)	Installation of caisson No.19 was completed on 18 March 2021, which the reclamation area had been totally enclosed by permanent structure. Floating type silt curtain at marine access was removed on 18 March 2021. No enclosed area shall be formed by deployment of silt curtain for the remaining works programme.
Mitigation Measures in Detailed Monitoring Programme on Finless Porpoise (DMPFP)	Installation of caisson No.19 was completed on 18 March 2021, which the reclamation area had been totally enclosed by permanent structure. Floating type silt curtain at marine access was removed on 18 March 2021. No enclosed area shall be formed by deployment of silt curtain for the remaining works programme.
Mitigation Measures in Vessel Travel Details	On-going
Daily Site Audit and Monitoring for Dredging Work	Completed

- 1.5.3 Other than the EM&A work by ET, environmental briefings, trainings and regular environmental management meetings were conducted, in order to enhance environmental awareness and closely monitor the environmental performance of the contractors.
- 1.5.4 The EM&A programme has been implemented in accordance with the recommendations presented in the approved EIA Report and the Updated EM&A Manual. A summary of implementation status of the environmental mitigation measures for the construction phase of the Project during the reporting period is provided in **Appendix B**.

2. MARINE WATER QUALITY MONITORING

- 2.1 Water Quality Requirements
- 2.1.1 To ensure no adverse water quality impact, water quality monitoring is recommended to be carried out at the nearby water sensitive receivers (WSRs) during construction phase including proposed reclamation, breakwater construction, etc.
- 2.1.2 In accordance with the Updated EM&A Manual, impact water quality monitoring were conducted 3 days per week at mid-flood and mid-ebb tide to obtain impact water quality levels at the eleven monitoring stations during general water quality monitoring for the reporting period.
- 2.2 Water Quality Parameters, Time, Frequency
- 2.2.1 Dissolved Oxygen (DO), Turbidity, Suspended Solids (SS), Salinity and pH have been undertaken at the eleven monitoring stations during general water quality monitoring.
- 2.2.2 DO, temperature, salinity, turbidity and pH have been measured in-situ and the SS, has been assayed in a HOKLAS laboratory.
- 2.2.3 In associate with the water quality parameters, other relevant data were also measured, such as monitoring location/position, time, water depth, sampling depth, tidal stages, weather conditions and any special phenomena or work underway nearby were also recorded. The monitoring schedule is provided in **Appendix C**.
- 2.2.4 Impact water quality monitoring was conducted 3 days per week in the reporting period. All parameters were monitored during mid-flood and mid-ebb tides at three water depths for general water quality monitoring. The interval between two sets of monitoring has not been less than 36 hours.
- 2.2.5 **Table 2.1** summarizes the monitoring parameters, frequency and duration of the impact water quality monitoring during construction phase.

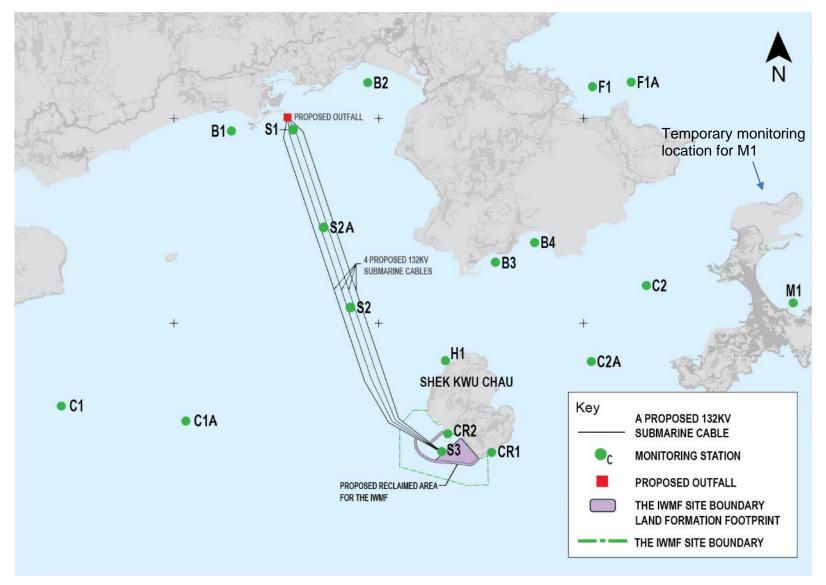
Parameter, unit	Frequency	No. of Depths	
 Water Depth (m) Temperature (°C) Salinity (ppt) pH (pH unit) Dissolved Oxygen (DO) (mg/L and % of saturation) Turbidity (NTU) Suspended Solids (SS), mg/L 	General water quality monitoring : 3 days per week, at mid-flood and mid-ebb tides	3 water depths: 1m below sea surface, mid-depth and 1m above sea bed.If the water depth is less than 3m, mid-depth sampling only.If water depth less than 6m, mid-depth may be omitted.	

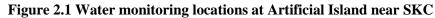
Table 2.1 Water Quality Monitoring Parameters, Frequency and Duration

- 2.3 Water Quality Monitoring Locations
- 2.3.1 Impact water quality monitoring was conducted at eleven monitoring locations (B1-B4, H1, C1, C2, F1, CR1, CR2 & M1) during general water quality monitoring in the reporting period as shown in **Figure 2.1**. As per the relocation proposal verified by IEC and approved by EPD, the monitoring location C1, C2, S2, F1 are relocated at C1A, C2A, S2A, F1A as equivalent points respectively to clear up the concerns from stakeholders.

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2.3.2 B1 to B4 are located at 4 beaches respectively at the southern shore of Lantau Island. Monitoring station H1 is located at the horseshoe crab habitat at northern SKC, while CR1 and CR2 are located at the coral communities at southwestern shore of SKC. Monitoring station F1 is located at the Cheung Sha Wan Fish Culture Zone while monitoring station M1 is located at Tung Wan at Cheung Chau. Monitoring station F1A is relocated for F1 at the Cheung Sha Wan Fish Culture Zone. S1, S2 and S3 are located at the northern landing site, midway and southern landing site of the proposed submarine cable, respectively. S2A is the relocated monitoring station of S2 which represents the midway landing site of the proposed submarine cable. S1, S2/S2A and S3 are required for monitoring due to the laying of submarine cable. Control stations C1 and C2 at far field locations are for comparison. Control stations C1A and C2A are relocated for C1 and C2 respectively as equivalent far field locations for comparison.

2.3.3 Fourteen monitoring stations are listed in **Table 2.2**.

Monitoring station	Description	Easting	Northing
B1	Beach – Cheung Sha Lower	813342	810316
B2	Beach – Pui O	815340	811025
B3	Beach – Yi Long Wan	817210	808395
B4	Beach – Tai Long Wan	817784	808682
H1	Horseshoe Crab – Shek Kwu Chau	816477	806953
C1	Control Station (note i)	810850	806288
C1A	Relocated Control Station	812823	806300
C2	Control Station (note ii)	819421	808053
C2A	Relocated Control Station	818869	806808
F1	Cheung Sha Wan Fish Culture Zone (note iii)	818631	810966
F1A	Cheung Sha Wan Fish Culture Zone	819109	810924
S1	Submarine Cable Landing Site	814245	810335
S2	Submarine Cable (note iv)	815076	807747
S2A	Submarine Cable	814808	808515
\$3	Submarine Cable Landing Site	816420	805621
CR1	Coral	817144	805597
CR2	Coral	816512	805882
M1	Tung Wan	821572	807799

 Table 2.2 – Locations of Marine Water Quality Stations

Note:

i. Relocated to C1A in Mar 2019

ii. Relocated to C2A in Mar 2019

iii. Relocated to S2A in Mar 2019

iv. Relocated to F1A in Mar 2019

2.4 Impact Monitoring Methodology

- 2.4.1 General water quality monitoring was conducted three days per week, at mid-flood and mid-ebb tides, at the designated water quality monitoring stations during the reporting period.
- 2.4.2 The interval between 2 sets of monitoring was not less than 36 hours. Sampling was collected at three water depths, namely, 1m below water surface, mid-depth and 1m above seabed, except where the water depth is less than 6m, the mid-depth was omitted. If the water depth was less than 3m, only the mid-depth station was monitored.
- 2.4.3 All observations and results were presented in **Appendix D**. Duplicate in-situ measurements and water sampling were carried out in each sampling event. The monitoring probes were retrieved out of water after the first measurement and then redeployed for the second measurement. When the difference in value between the first and second readings of DO or turbidity is more than 25% of the value of the first reading, the reading would be discarded and further readings would be taken.

In-situ Measurement

2.4.4 Levels of DO, pH, temperature, turbidity and salinity would be measured in-situ by portable and weatherproof measuring instrument, e.g. YSI ProDSS Multiparameter complete with cable and sensor. (Refer to <u>http://www.ysi.com/ProDSS</u> for YSI ProDSS technical specification). Water current velocity and water current direction would be measured by portable and weatherproof current meter, e.g. SonTek Hydrosurveyor (Refer to <u>https://www.sontek.com/hydrosurveyor</u> for SonTek Hydrosurveyor M9 technical specification). Parameters measured by in-situ measurement is tabulated in **Table 2.3**

Parameter	Resolution	Range	
Temperature	0.1 °C	-5-70 °C	
Dissolved Oxygen (DO)	0.01 mg/L	0-50.0 mg/L	
Turbidity	0.1 NTU	0-1000 NTU	
рН	pH 0.01	pH 0-14	
Salinity	0.01 ppt	0-40 ppt	
Water Current Velocity	0.001m/s	±20m/s	
Water Current Direction	$\pm 1^{\circ}$	$\pm 2^{\circ}$	

Table 2.3 – Parameters Measured by In-situ Measurement

Laboratory Analysis

2.4.5 Analysis of SS shall be carried out in a HOKLAS accredited laboratory, as shown in **Appendix E**. Sufficient water samples shall be collected at the monitoring stations for carrying out the laboratory determinations. The determination work shall be started within 24 hours after collection of the water samples. Analytical methods and detection limits for SS is presented in **Table 2.4**.

Table 2.4 – Analytical Methods Applied to Water Quality Samples

Parameter	Analytical method	Detection Level	
Suspended Solids, SS	APHA 2540 D ⁱ	1 mg/L	

Footnote:

i. "APHA 2540 D" stands for American Public Health Association Standard Methods for the Examination of Water and Wastewater, 23rd Edition.

Field Log

- 2.4.6 Other relevant data was recorded, such as: monitoring location / position, time, water depth, weather conditions and any special phenomena underway near the monitoring station.
- 2.5 Monitoring Equipment
- 2.5.1 Equipment used in the impact water quality monitoring programme is summarized in **Table 2.5** below. Calibration certificates for the water quality monitoring equipment are attached in **Appendix F**.

Table 2.5 Impact Water Quality Monitoring Equipment

Monitored Parameter	Equipment	Brand and Model
DO, Temperature, Salinity,	Multi-functional Meter	YSI ProDSS Multi Parameter
pH and Turbidity		
Coordinates	Positioning Equipment	Garmin GPSMAP 78s
Water depth	Water Depth Detector	Hummingbird 160 Portable
SS	Water Sampler	Wildco 2 L Water Sampler
		with messenger

2.5.2 Dissolved Oxygen and Temperature Measuring Equipment

The instrument is a portable and weatherproof DO probe mounted on the multifunctional meter complete with cable and sensor and is powered by a DC supply source. The equipment was capable of measuring:

- A DO level in the range of 0 50 mg/L; and
- Temperature of -5 70 degree Celsius.

2.5.3 Turbidity Measurement Instrument

The instrument is a portable and weatherproof turbidity-measuring probe mounted on the multi-functional meter and is powered by a DC supply source. The instrument is equipped with a photoelectric sensor which is capable of measuring turbidity between 0 - 1000 NTU.

2.5.4 pH Measurement Instrument

The probe consists of a potentiometer, a glass electrode, a reference electrode and a temperature-compensating device mounted on the multi-functional meter. It is readable to 0.1 pH in a range of 0 to 14. Standard buffer solutions of at least pH 7 and pH 10 were used for calibration of the instrument before and after use.

2.5.5 Salinity Measurement Instrument

A portable salinometer mounted on the multi-functional meter capable of measuring salinity in the range of 0-40 parts per thousand (ppt) was provided for measuring salinity of the water at each monitoring location.

2.5.6 Sampler

The water sampler comprises a transparent PVC cylinder, with a capacity of not less than 2 litres, which can be effectively sealed with latex cups at both ends. The sampler has a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth.

2.5.7 Sample Containers and Storage

Water samples for SS were stored in high density polythene bottles with no preservative added, packed in ice (cooled to 4°C without being frozen) and delivered to the laboratory and analysed as soon as possible after collection. Sufficient volume of samples was collected to achieve the detection limit stated in **Table 2.4**.

2.5.8 Water Depth Detector

A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station. This unit could either be hand-held or affixed to the bottom of the work boat, if the same vessel is to be used throughout the monitoring programme.

2.5.9 Monitoring Position Equipment

Hand-held digital Differential Global Positioning System (DGPS) with way point bearing indication and Radio Technical Commission for maritime (RTCM) Type 16 error message 'screen pop-up' facilities (for real-time auto-display of error messages and DGPS corrections from the Hong Kong Hydrographic Office) was provided and used to ensure that the water sampling locations were correct during the water quality monitoring work.

- 2.6 Maintenance and Calibration
- 2.6.1 The multi-functional meters were checked and calibrated before use. Multi-functional meters were certified by a laboratory accredited under HOKLAS or any other international accreditation scheme, and subsequently re-calibrated at three monthly intervals throughout all stages of the water quality monitoring. Responses of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for a DO meter was carried out before commencement of monitoring and after completion of all measurements each day. Calibration was not conducted at each monitoring location as daily calibration is adequate for the type of DO meter employed.
- 2.6.2 Sufficient stocks of spare parts were provided and maintained for replacements when necessary. Backup monitoring equipment was prepared for uninterrupted monitoring during equipment maintenance or calibration during monitoring.

2.7 Action and Limit Levels

2.7.1 The Action and Limit Levels have been set based on the derivation criteria specified in the Updated EM&A Manual and Detailed DCM Plan, as shown in **Table 2.6** below.

Parameters	Action	Limit				
Construction Pl	Construction Phase Impact Monitoring					
DO in mg/L	\leq 5 %-ile of baseline data	≤ 4				
SS in mg/L	\geq 95 %-ile of baseline data or 120% of control station's SS at the same tide of the same day of measurement, whichever is higher	\geq 99 %-ile of baseline data or 130% of control station's SS at the same tide of the same day of measurement, whichever is higher				
Turbidity in NTU	\geq 95 %-ile of baseline data or 120% of control station's turbidity at the same tide of the same day of measurement, whichever is higher	\geq 99 %-ile of baseline data or 130% of control station's turbidity at the same tide of the same day of measurement, whichever is higher				
Temperature in°C	1.8°C above the temperature recorded at representative control station at the same tide of the same day	2°C above the temperature recorded at representative control station at the same tide of the same day				

Table 2.6 Criteria of Action and Limit Levels for Water Quality

2.7.2 Based on the baseline monitoring data and the derivation criteria specified above, the Action/Limit Levels have been derived and are presented in **Table 2.7** and **Table 2.8** for both dry seasons (October – March) and wet seasons (April – September).

Parameters	Action	Limit				
Construction Pha	Construction Phase Impact Monitoring					
DO in mg/L	≤ 7.13	≤ 4				
SS in mg/L	\geq 8 or 120% of control station's SS at the same tide of the same day of measurement, whichever is higher	\geq 10 or 130% of control station's SS at the same tide of the same day of measurement, whichever is higher				
Turbidity in NTU	\geq 5.6 or 120% of control station's turbidity at the same tide of the same day of measurement, whichever is higher	\geq 12.8 or 130% of control station's turbidity at the same tide of the same day of measurement, whichever is higher				
Temperature in°C	1.8°C above the temperature recorded at representative control station at the same tide of the same day	2°C above the temperature recorded at representative control station at the same tide of the same day				

Table 2.7 Derived Action and Limit Levels for Water Quality Monitoring (Dry Season)

Notes:

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

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

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

Parameters	Action	Limit				
Construction Pha	Construction Phase Impact Monitoring					
DO in mg/L	\leq 5.28	\leq 4				
SS in mg/L \geq 12 or 120% of control station's SS at the same tide of the same day of measurement, whichever is higher		\geq 14 or 130% of control station's SS at the same tide of the same day of measurement, whichever is higher				
Turbidity in NTU	\geq 4.0 or 120% of control station's turbidity at the same tide of the same day of measurement, whichever is higher	\geq 4.3 or 130% of control station's turbidity at the same tide of the same day of measurement, whichever is higher				
Temperature 1.8°C above the temperature in°C recorded at representative control station at the same tide of the same day		2°C above the temperature recorded at representative control station at the same tide of the same day				

Table 2.8 Derived Action and Limit Levels for Wat	er Ouality (Wet Season)
Tuble 110 Derried Heron and Emile Hereis for that	

Notes:

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

ii. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.iii. For turbidity, SS and Salinity, non-compliance of the water quality limits occurs when monitoring result is higher than

- the limits.
- 2.7.3 If exceedances were found during water quality monitoring, the actions in accordance with the Event and Action Plan shall be carried out according to **Appendix G**.
- 2.8 Monitoring Results and Observations
- 2.8.1 As confirmed by the Contractor on 14 October 2020, all DCM works was completed on 14 October 2020, the post DCM water quality monitoring was completed for further 4 weeks (i.e. from 16 October 2020 to 14 November 2020) according to the approved Detailed Plan on Deep Cement Mixing. As all DCM work and post DCM water quality monitoring were completed, no water quality monitoring was conducted at S1, S2A and S3 during the reporting period. As marine construction works as defined in the approved EIA report (AEIAR-163/2012) and the Updated EM&A Manual was conducted in October 2024, impact water quality monitoring was resumed in October 2024. General water quality monitoring at all the eleven monitoring stations were conducted on 2, 4, 7, 9, 11, 14, 16, 18, 21, 23, 25, 28 and 30 October 2024 during the reporting period.
- 2.8.2 Monitoring results of 6 key parameters: Salinity, DO, turbidity, SS, pH and temperature in this reporting period, are summarized in **Table 2.9**, and details are presented in **Appendix D**.

					Parameters			
Locations		Salinity (ppt)	Dissolved Oxygen (mg/L)		pН	Turbidity	Suspended	Temp.(°C)
			Surface & Middle	Bottom	1	(NTU)	Solids (mg/L)	
	Avg.	32.49	8.29	8.30	8.23	3.5	6.97	28.1
B1	Min.	31.04	7.20	7.26	8.06	2.4	2.70	27.3
	Max.	35.40	9.95	9.91	8.43	4.7	14.40	28.8
	Avg.	32.36	8.40	8.42	8.25	3.6	7.00	28.1
B2	Min.	30.53	7.36	7.34	8.06	2.2	2.90	27.1
	Max.	34.90	9.24	9.55	8.50	4.8	14.50	28.8
	Avg.	32.57	8.33	8.33	8.23	3.6	7.09	28.1
B3	Min.	30.70	7.33	7.32	8.04	2.4	3.00	27.2
	Max.	34.55	10.25	10.26	8.40	4.6	13.40	29.0
	Avg.	32.37	8.45	8.45	8.24	3.4	6.73	28.1
B 4	Min.	30.29	7.42	7.46	8.05	2.0	2.30	27.4
	Max.	34.49	9.76	9.85	8.41	4.5	15.30	28.9
	Avg.	32.30	8.35	8.34	8.22	4.5	7.01	28.1
C1A	Min.	30.50	7.41	7.35	8.06	2.9	2.00	27.2
	Max.	35.04	9.79	9.83	8.40	7.4	15.00	28.8
	Avg.	32.19	8.16	8.17	8.24	4.4	7.06	28.1
C2A	Min.	30.92	7.28	7.32	8.05	2.8	2.40	27.3
	Max.	34.66	9.16	9.11	8.44	7.6	15.70	28.9
	Avg.	32.32	8.30	8.28	8.21	3.6	6.51	28.0
CR1	Min.	30.37	7.31	7.21	8.04	2.3	2.40	27.2
	Max.	33.94	9.17	9.18	8.53	6.5	14.10	28.7
	Avg.	32.29	8.24	8.25	8.23	3.7	6.53	28.1
CR2	Min.	30.45	7.17	7.17	8.03	1.8	2.20	27.1
	Max.	34.87	9.62	9.51	8.39	6.0	14.50	29.0
	Avg.	32.23	8.29	8.29	8.26	3.4	7.10	28.1
F1A	Min.	30.92	7.17	7.23	8.09	2.1	2.80	27.2
	Max.	34.06	9.80	9.78	8.47	5.0	15.00	28.8
	Avg.	32.27	8.35	8.35	8.24	3.5	6.72	28.0
H1	Min.	30.61	7.49	7.49	8.07	2.2	2.80	27.2
	Max.	34.56	9.44	9.40	8.51	4.8	14.30	28.6
	Avg.	32.31	8.31	8.31	8.24	3.6	6.51	28.0
M1	Min.	31.05	7.27	7.27	8.10	2.1	1.70	27.4
	Max.	34.47	9.58	9.54	8.45	6.3	14.20	28.7
S 1	Avg.	-	-	-	-	-	-	-
51	Min.	-	-	-	-	-	-	-
	Max.	-	-	-	-	-	-	-
S2A	Avg.	-	-	-	-	-	-	-
5211	Min.	-	-	-	-	-	-	-
L	Max.	-	-	-	-	-	-	-
S 3	Avg.	-	-	-	-	-	-	-
55	Min.	-	-	-	-	-	-	-
	Max.	-	-	-	-	-	-	-

Notes:

i. "Avg", "Min" and "Max" is the average, minimum and maximum respectively of the data from measurements conducted under mid-flood and mid-ebb tides at three water depths, except that of DO where the data for "Surface & Middle" and "Bottom" are calculated separately.

ii. As all DCM works and post DCM water quality monitoring were completed, no water quality monitoring was conducted at S1, S2A and S3 in the report period.

iii. As all DCM works were completed on 14 October 2020, no water quality monitoring for total alkalinity was conducted in the report period.

- 2.8.3 During the reporting period, two (2) of general water quality monitoring results of SS obtained during the reporting period had exceeded the Action Level and two (2) of general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level. Investigations were carried out for each exceedance during the reporting period.
- 2.8.4 No project-related Action Level & Limit Level exceedance was recorded from 1 October 2024 to 31 October 2024.
- 2.8.5 Details of the exceedance are presented in **Section 8**.
- 2.8.6 Mitigation measures minimizing the adverse impacts on water quality are listed in the implementation schedule given in **Appendix B.**

3. NOISE MONITORING

3.1 Monitoring Requirements

- 3.1.1 To ensure no adverse noise impact, noise monitoring is recommended to be carried out at the nearby noise sensitive receivers (NSRs) during construction phase.
- 3.1.2 In accordance with the Updated EM&A Manual, baseline noise level at the noise monitoring stations was established as presented in the Baseline Monitoring Report. Impact noise monitoring was conducted once per week in the form of 30-minutes measurements L_{eq}, L₁₀ and L₉₀ levels recorded at each monitoring station between 0700 and 1900 hours on normal weekdays.
- 3.1.3 In accordance with the Updated EM&A Manual, additional weekly impact monitoring should be carried out during respective restricted hours period (1900 0700 hours) if the construction works were conducted at evening and night time. Additional weekly noise monitoring was conducted once per week in the form of 5-minutes measurements L_{eq} , L_{10} and L_{90} levels recorded at each monitoring station between 1900 and 0700 hours as well as public holidays and Sundays.
- 3.2 Noise Monitoring Parameters, Time, Frequency
- 3.2.1 Impact noise monitoring was conducted weekly in the reporting period between 0700 and 1900 hours on normal weekdays. Additional impact noise monitoring was conducted weekly in the reporting period between 1900-0700 hours on all days as well as public holidays and Sundays.
- 3.2.2 Construction noise level measured in terms of the A-weighted equivalent continuous sound pressure level (L_{Aeq}). $L_{eq \ 30min}$ was used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays. $L_{eq \ 5min}$ was used as the monitoring parameter for the time period between 1900 and 0700 hours as well as public holidays and Sundays. **Table 3.1** summarizes the monitoring parameters, frequency and duration of the impact noise monitoring and additional impact noise monitoring. The monitoring schedule is provided in **Appendix C**.

Monitoring Station Time		Duration	Parameters
	Day time: 0700-1900 hrs (during normal weekdays)	Once per week $L_{eq 5min}/L_{eq 30min}$ (average of 6 consecutive $L_{eq 5min}$)	L _{eq} , L ₁₀ & L ₉₀
M1/ N_S1, M2/ N_S2, M3/ N_S3	Evening time: 1900-2300 hrs (including normal weekdays, also public holidays and Sundays)	Once per week L _{eq 5min} (3 sets of L _{eq 5min})	L _{eq} , L ₁₀ & L ₉₀
	Night time: 2300-0700 hrs (including normal weekdays, also public holidays and Sundays)	Once per week L _{eq 5min} (3 sets of L _{eq} _{5min})	L _{eq} , L ₁₀ & L ₉₀

Table 3.1 Noise Monitoring Parameters, Time, Frequency and Duration

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3.3 Noise Monitoring Locations

3.3.1 Three noise monitoring locations for impact monitoring and additional impact monitoring at the nearby sensitive receivers are shown in Figure 3.1.

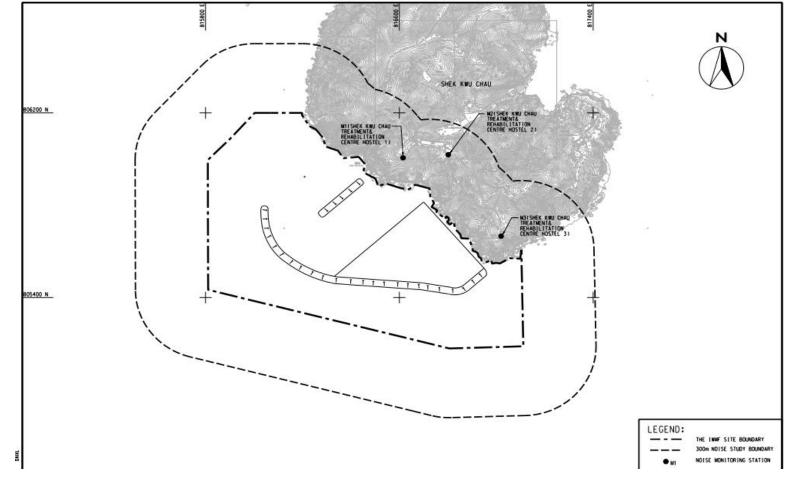


Figure 3.1 Noise monitoring locations at SKC

- 3.3.2 M1, M2 and M3 are Shek Kwu Chau Treatment and Rehabilitation Centre Hostel 1, 2 and 3 respectively of The Society for the Aid and Rehabilitation of Drug Abusers (SARDA) located at southern part of Shek Kwu Chau.
- 3.3.3 Measurements at M1 & M3 were conducted at a point 1m from the exterior of the sensitive receivers building façade and at a position 1.2m above the ground. Measurement setup at M3 has been varying with minor adjustment to minimize the disturbance to the users of Treatment Centre. Measurement at M2 was conducted at a point 1m from building façade of the ceiling of 1st floor level for avoidance of mutual disturbance with users of Treatment Centre. The minor adjustment of monitoring locations, which were in favour to mutual convenience with the users of Treatment Centre, were found with no effect on monitoring result based on on-site observation and experience from the Baseline monitoring of the Project. The noise monitoring stations are summarized in **Table 3.2** below.

Station	NSR ID in EIA Report	Noise Monitoring Location	Type of sensitive receiver(s)	Measurement Type
M1	N_S1	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1	Residential	Façade
M2	N_S2	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2	Residential	Façade
M3	N_S3	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3	Residential	Façade

Table 3.2 Noise Monitoring Location

- 3.4 Impact Monitoring Methodology
- 3.4.1 At each designated monitoring location, measurements of six 5-minute A-weighted equivalent sound pressure level [" $L_{eq 5min}$ "] was carried out between 0700 and 1900 hours for daytime measurements on a normal weekdays (excluding Sunday or general holiday). The measured six impact noise levels at each monitoring location shall then be averaged in logarithmic scale and expressed in terms of the 30-minute A-weighted equivalent continuous sound pressure level ($L_{eq 30min}$) for the time period between 0700 and 1900 hours on normal weekdays.
- 3.4.2 At each designated monitoring location, measurements of three 5-minute A-weighted equivalent sound pressure level ["L_{eq 5min}"] was carried out between 1900 and 0700 hours for evening time and night time measurements.
- 3.4.3 The monitoring procedures are as follows:
 - The microphone head of the sound level meter was normally positioned 1 m exterior of the noise sensitive façade and lowered sufficiently so that the building's external wall acts as a reflecting surface.
 - If there is a problem with the access to the normal monitoring position, an alternative may be chosen and appropriate correction would be applied according to acoustic principle when necessary. For reference, +3 dB(A) correction would be made for free-field measurements.
 - The battery condition was checked to ensure good functioning of the meter.
 - Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
 - Frequency weight: A
 - Time weighting: Fast
 - Measurement time: 5 minutes

- Prior to and after noise measurement, the meter was calibrated using the calibrator for 94.0 dB at 1000Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement was considered invalid and repeat of noise measurement was required after re-calibration or repair of the equipment.
- Noise monitoring was carried out for 30 minutes by sound level meter. At the end of the monitoring period, noise levels in terms of L_{eq}, L₁₀ and L₉₀ were recorded. In addition, site conditions and noise sources were recorded when the equipment was checked and inspected.
- All the monitoring data within the sound level meter system was downloaded through the computer software.
- 3.5 Monitoring Equipment
- 3.5.1 Integrated sound level meter was used for the noise monitoring. The meter shall comply with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications.
- 3.5.2 Equipment used in the impact noise monitoring programme is summarized in Table3.3 below. Calibration certificates for the noise monitoring equipment are attached in Appendix H.

Table 3.3 Imp	oact Noise Moni	itoring Equipment
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Equipment	Brand and Model
Sound Level Meter	SVANTEK 971
Sound Calibrator	RION NC-75

- 3.6 Maintenance and Calibration
- 3.6.1 The maintenance and calibration procedures were as follows:
 - The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.
 - The sound level meter and calibrator were checked and calibrated at yearly intervals
 - Immediately prior to and following each noise measurement, the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0dB.
- 3.7 Action and Limit Levels
- 3.7.1 The Action/Limit Levels in line with the criteria of Practice Note for Professional Persons (ProPECC PN 2/93) "Noise from Construction Activities – Non-statutory Controls" and Technical Memorandum on Environmental Impact Assessment Process issued by HKSAR Environmental Protection Department ["EPD"] under the Environmental Impact Assessment Ordinance, Cap 499, S.16 is presented in Table 3.4.

Time Period	Action	Limit (dB(A))
0700-1900 hrs on normal	When one documented	$75 dD(\Lambda)$
weekdays	complaint is received	75 dB(A)

Table 3.4 Action and Limit Levels for Noise per Updated EM&A Manual

Notes: If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

- 3.7.2 If exceedances were found during noise monitoring, actions in accordance with the Event and Action Plan shall be carried out according to **Appendix I**.
- 3.8 Monitoring Results and Observations
- 3.8.1 Impact monitoring for noise impact for daytime was carried out on 02, 07, 14, 21 and 28 October 2024. Impact monitoring for noise impact for evening time and nighttime was carried out on 02&03, 07&08, 14&15, 21&22 and 28&29 October 2024. The impact noise levels at Noise Monitoring Stations at SKC (i.e. M1/N_S1 to M3/N_S3) are summarized in **Table 3.6**, **Table 3.7** and **Table 3.8** respectively. Details of noise monitoring results are presented in **Appendix J**.
- 3.8.2 Major construction activity, major noise source and extreme weather which might affect the results were recorded during the impact monitoring.
- 3.8.3 According to our field observations, the major noise source identified at the noise monitoring station in the reporting month are summarised in **Table 3.5**. Sound from the intermittent piling work was the noticeable noise source for monitoring stations M1, M2 and M3. Air conditioning units were also observed nearby monitoring stations M3.

Monitoring Station	Major Noise Source
M1	NA
M2	NA
M3	Operation of nearby Air Quality Monitoring Station

Table 3.5 Summary of Field Observation

3.8.4 No data from impact monitoring during daytime has exceeded the stipulated limit level at 75 dB(A).

Location	Measured Noise Level in dB(A)							
	Range of Leq 30min	Range of L _{10 30min}	Range of L _{90 30min}					
M1	55.5 – 56.7	56.9 - 58.1	53.7 - 55.0					
M2	53.5 – 59.5	54.7 - 63.1	52.0 - 53.1					
M3	57.0 - 58.5	58.1 - 60.0	54.9 – 55.9					

Table 3.6 Summary of Impact Noise Monitoring Results during Day Time (0700 – 1900 hours)

- 3.8.5 Applicable mitigation measures for construction works are fully implemented as shown in **Appendix B**, where double-glazed windows and air conditioning system were also installed and confirmed operable for the NSRs (N_S1, N_S2 & N_S3).
- 3.8.6 During the noise monitoring event, frontline staff of ET had inquired the treatment centre users on any noise disturbance from the construction activities at evening and nighttime, where no complaint and adverse opinions was received.
- 3.8.7 Where site inspection and auditing on Contractor's record have shown that the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority for construction works during restricted hours were followed, no inappropriate practice was spotted during evening time and night time construction works. Thus, the stipulated requirement on noise impact control during night time and evening time was achieved.

Location	Measured Noise Level in dB(A)								
	Range of Leq 5min	Range of L _{10 5min}	Range of L _{90 5min}						
M1	45.8 - 54.9	47.6 – 57.1	44.6 - 50.1						
M2	48.7 – 56.2	49.0 - 58.5	48.4 - 51.1						
M3	41.8 - 57.7	42.4 - 57.9	41.1 - 57.6						

Table 3.7 Summary of Additional	Impact	Noise	Monitoring	Results	during	Evening
Time (1900 – 2300 hours)						

Table 3.8 Summary of Additional Impact Noise Monitoring Results during Night Time	
(2300 – 0700 hours)	

Location	Measured Noise Level in dB(A)								
	Range of Leq 5min	Range of L _{10 5min}	Range of L _{90 5min}						
M1	45.6 - 55.6	49.0 - 59.1	42.9 - 44.2						
M2	46.5 - 58.1	48.5 - 60.1	44.8 - 54.8						
M3	43.6 - 54.9	44.2 - 56.3	43.0 - 52.3						

4. WASTE

- 4.1 The waste generated from this Project includes inert construction and demolition (C&D) materials, and non-inert C&D materials. Non-inert C&D materials are made up of general refuse, vegetative wastes and recyclable wastes such as plastics and paper/cardboard packaging waste. Steel materials generated from the project are also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials.
- 4.2 As advised by the Contractor, no C&D materials were generated on site in the reporting month. For C&D waste, no metal was generated and collected by registered recycling collector. 286.0 kg of paper was collected by the registered recycling collector. No plastic waste was collected by registered recycling collector. No chemical waste was collected by the licensed chemical waste collector. 877.5 m³ of other types of wastes (e.g. general refuse) was disposed of at designated landfill. No fill sand or public fill was imported during the reporting period. No fill rock was imported during the reporting period.
- 4.3 Chemical waste generated from land-based construction activities was stored in the chemical waste cabinet for temporary storage.
- 4.4 With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are summarised in **Table 4.1**. Details of cumulative waste management data are presented as a waste flow table in **Appendix K**.
- 4.5 The Contractor is advised to sort and store any solid and liquid waste on-site properly prior to disposal.

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Table 4.1 Quantities of Waste Generated from the Project during October 2024

	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly						
	Total	Hard Rock and Large		Reused in	Disposed	Imported Fill		Metals Paper /	Plastics			Others,		
Reporting Month	Quantity Generated	Broken Concrete (see Note 1)	the Contract	other Projects	Disposed as Public Fill	Sand	Sand Public Fill Rock		(see Note 5)	cardboard packaging	(see Note 2,5)	Chemica	l Waste	e.g. general refuse (see Note 3)
	(in ,000m ³)	(in ,000m ³)	(in ,000m ³)	(in ,000m ³)	(in ,000m ³)		(in ,000m ³)		(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	(in ,000m ³)
Oct 2024	0	0	0	0	0	0	0	0	0	0.2860	0	0	0	0.8775

Notes: (1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor: 1 full load of dumping truck being equivalent to $6.5m^3$ by volume.

(4) Use the conversion factor: rock density = $2 T/m^3$.

(5) Materials recycled.

5. CORAL

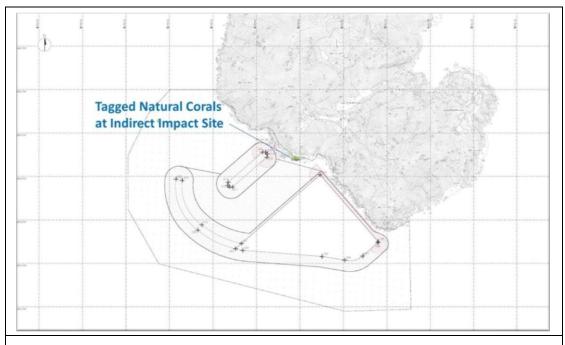
- 5.1 Coral Monitoring Requirements
- 5.1.1 To monitor the health condition of corals during different phases, corals located within areas likely to be affected by the Project, corals located at control sites (areas unlikely to be affected by the Project), the trans-located coral colonies as well as the tagged natural coral colonies at the recipient site were chosen, in order to identify any adverse indirect impact from the marine works. The size, percentage cover and health condition of corals (i.e. any sign of abnormal appearance, such as layer of mucus, bleaching, partial mortality etc.) at representative transects should be recorded during each monitoring.
- 5.2 Coral Monitoring Parameters, Time, Frequency
- 5.2.1 Rapid Ecological Assessment (REA) survey was conducted on 26 June 2018 at the suggested control site and indirect impact site within two weeks before commencement of the construction work which was 29 June 2018. 10 selected hard coral colonies with the similar species were tagged at both control and indirect impact sites. Following coral translocation in the recipient site R3, 16 coral colonies attached to rocks less than 50 cm in diameter were translocated and tagged, as well as 10 selected natural coral colonies, at the recipient site. One additional REA survey was conducted in December 2018 to further assess the seabed condition at Indirect Impact Site after Typhoon Mangkhut.
- 5.2.2 Tagged coral colonies at the suggested control site and indirect impact site are being monitored weekly for the first month and followed by monthly monitoring for two months. Quarterly monitoring will be carried out after the first three-month of monthly monitoring until the completion of marine works and bi-annual monitoring will be carried out after the completion of marine works. The selected Control Site is located at Yuen Kong Chau of Soko Islands about 7 km away from the project area. Tagged coral colonies at the proposed recipient site are being monitored quarterly for one year. The selected recipient site R3 is located at the opposite side of the Project area at about 2 km away. The detailed survey of the Control Site and Impact Site were conducted before the commencement of the Construction Phase.
- 5.2.3 Monitoring recorded the following parameters (using the same methodology adopted during the pre-translocation survey); the size, presence, health conditions (percentage of mortality/bleaching) and percentage of sediment of each tagged coral colony. The general environmental conditions including weather, sea, and tidal conditions of impact site, control site and recipient site were monitored.
- 5.2.4 **Table 5.1** summarizes the monitoring locations, time and frequency of the tagged coral colonies monitoring. The monitoring schedule is provided in **Appendix C**.

Monitoring Location	Monitoring Month/Year	Frequency	No. of Monitoring Survey
	1 st Month	Weekly Survey	4
	2 nd to 3 rd Months	Monthly Survey	2
	4 th Month (postponed	Re-tagging of Cora	al Colonies in Indirect
	to 5 th month due to	Impact Site after Typhoon Mangkhut	
	diver accident in Shek		
	Kwu Chau in October		
	2018)		
	4 th Month (postponed	00 0	al Colonies in Control
	to 5 th month due to	Site after Typhoon N	Mangkhut
	diver accident in Shek		
	Kwu Chau in October		
	2018 and further		
	postpone to 6 th month		
	due to adverse		
	weather) 5 th Month (postponed	Post Re-tagging	1
	to 6^{th} month due to	Post Re-tagging Monthly Survey	1
	diver accident in Shek	Monuny Survey	
	Kwu Chau and further		
10 selected hard coral	postponed to 7 th		
colonies at control site /	month due to delay of		
indirect impact site	re-tagging activities at		
-	both Indirect Impact		
	Site and Control Site)		
	7 th to 78 th Months	Quarterly Survey	24
	(postponed to 8 th to		
	79 th month due to		
	diver accident in Shek		
	Kwu Chau in October		
	2018)		
	79 th to 85 th Months	Bi-annually	1
	(The marine	Survey	
	construction work is		
	anticipated to be		
	completed by January		
	2025, the frequency of		
	monitoring will be		
	changed to bi-annual with reference to the		
	Updated EM&A		
	Mannual (Rev.E))		
16 translocated hard			
coral colonies and 10			
selected natural hard	1 st Year	Quarterly Survey	4
coral colonies at			
recipient site R3			

 Table 5.1 Tagged Coral Monitoring Locations, Time and Frequency

5.3 Coral Monitoring Locations

5.3.1 Location of the ten tagged coral colonies at each of the proposed indirect impact site (re-tagging after typhoon Mangkhut), control site (baseline) and recipient site R3 (translocation) are shown in **Figure 5.1**, **Figure 5.2** and **Figure 5.3** respectively:



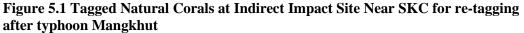




Figure 5.2 Tagged Natural Corals at Control Site Near Yuen Kong Chau for retagging after typhoon Mangkhut



Figure 5.3 Tagged Translocation Corals at Recipient Site R3 near SKC

5.3.2 The GPS coordinates of the tagged coral colonies, retagged coral colonies and recipient site were shown in **Table 5.2**, **Table 5.3** and **Table 5.4** respectively.

Coral #	GPS Co	ordinates
1	N22°09'45.96"	E113°54'57.81"
2R	N22°11'29.12"	E113°59'09.01"
3	N22°09'45.81"	E113°54'57.78"
4	N22°09'45.70"	E113°54'57.95"
5R	N22°11'29.10"	E113°59'09.18"
6	N22°09'45.75"	E113°54'58.02"
7R	N22°11'29.17"	E113°59'08.86"
7	N22°09'45.65"	E113°54'57.94"
8	N22°09'45.53"	E113°54'57.90"
9	N22°09'46.23"	E113°54'54.70"
10R	N22°11'29.18"	E113°59'08.91"

Table 5.2 Tagged Natural Corals during Baseline and Re-tagged Natural Corals afterTyphoon Manghkut at Control Site near Yuen Long Chau

Notes:

i. The re-tagged corals were marked as ##**R**.

Table 5.3 Re-tagged Natural Corals after Typhoon Manghkut at Indirect Impact Site near SKC

Coral # note i	GPS	Coordinates
11R	N22°11'29.14"	E113°59'08.92"
12R	N22°11'29.12"	E113°59'09.01"
13R	N22°11'29.11"	E113°59'09.07"
14R	N22°11'29.13"	E113°59'09.12"
15R	N22°11'29.10"	E113°59'09.18"
16R	N22°11'29.07"	E113°59'09.23"
17R	N22°11'29.17"	E113°59'08.86"
18R	N22°11'29.14"	E113°59'08.94"
19R	N22°11'29.20"	E113°59'08.81"
20R	N22°11'29.18"	E113°59'08.91"

Notes:

i. The re-tagged corals were marked as ##**R**.

Table 5.4 GPS Coordinates of Recipient Site R3

Site	GPS Coordinates		
R3	N22°11'43.69"	E113°28.99"	

5.4 Impact Monitoring Methodology

- 5.4.1 Health status of coral was assessed by the following criteria:
 - Hard coral: Percentage of surface area exhibiting partial mortality and blanched/bleached area of each coral colony and degree of sedimentation.
- 5.5 Action and Limit Levels
- 5.5.1 Monitoring result was reviewed and compared against the below Action Level and Limit Level (AL/LL) as set with the below **Table 5.5** and **Table 5.6**.

Parameter	Action Level	Limit Level
Mortality	a 15% increase in the percentage of partial mortality on the corals occurs at more than 20% of the tagged indirect impact site	percentage of partial mortality on the corals occurs at more than 20% of the tagged indirect impact site coral colonies that is not recorded on the tagged corals at the

Table 5.5 Action and Limit Levels for Construction Phase Coral Monitoring

Table 5.6 Action and Limit Levels for Post-Translocation Coral Monitoring

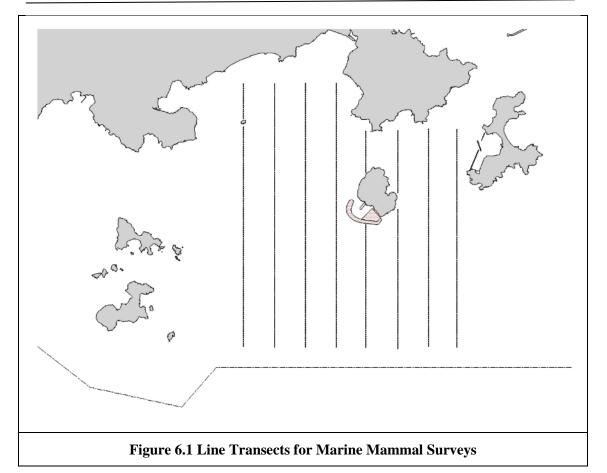
Parameter	Action Level	Limit Level
Mortality	Monitoring a 15% increase in the percentage of partial mortality on the corals occurs at more than 20% of the translocated coral colonies	mortality on the corals occurs at more than 20% of the translocated coral colonies that is not recorded on the original corals in the recipient site,

- 5.5.2 If exceedance was found during coral monitoring. The actions in accordance with the Event and Action Plan should be carried out according to **Appendix L.**
- 5.6 Monitoring Results and Observations
- 5.6.1 No coral monitoring survey had been done during the reporting period and the 24th quarterly coral monitoring during construction phase at both Indirect Impact Site and Control Site would be scheduled in December 2024.

6. MARINE MAMMAL

6.1 Monitoring Requirements

- 6.1.1 The marine mammal monitoring programme would focus on Finless Porpoise, as the study area near Shek Kwu Chau has been identified as a hotspot for this species, while the Chinese White Dolphins rarely occurred there in the past.
- 6.1.2 The monitoring will verify the predicted impacts on marine mammals and examine whether the mitigation measures recommended in the EIA report have been effectively implemented to protect marine mammals from negative impacts from construction activities.
- 6.1.3 The Vessel-based Line-transect Survey, the Passive Acoustic Monitoring and the Land-based Theodolite Tracking will be conducted to provide systematic, quantitative measurements of occurrence, encounter rate, habitat use, movement and behavioural patterns of marine mammals within or near the Project Area during construction and operational phases.
- 6.1.4 The mammal monitoring works during construction consist of the following three survey methods:
 - Vessel-based Line-transect Survey to monitor the occurrence of Finless Porpoises (and Chinese White Dolphins) in the study area during construction works, by comparing with the findings of the pre-construction marine mammal monitoring;
 - Passive Acoustic Monitoring to study the usage of the Project Area and two control sites in South Lantau Waters by Finless Porpoise during construction works, in reference with the baseline findings of the pre-construction marine mammal monitoring; and
 - Land-based Theodolite Tracking to study the movement and behavioral pattern of Finless Porpoise within and around the Project Area during construction works.
- 6.1.5 The marine mammal observation works of Marine Mammal Exclusion Zone (MMEZ) and Marine Mammal Watching as two of the specific mitigation measures recommended in the approved EIA report shall be fully and properly implemented for the Project to minimize disturbance on Finless Porpoise during construction and operational phases.
- 6.2 Survey Methods
- 6.2.1 Vessel-based Line-transect Survey
- 6.2.1.1 For the vessel-based marine mammal surveys, the monitoring team adopted the standard line-transect method (Buckland et al. 2001) as same as that adopted during the EIA study and pre-construction phase monitoring to allow fair comparison of marine mammal monitoring results.
- 6.2.1.2 Eight transect lines are set at Southeast Lantau survey area, including Shek Kwu Chau, waters between Shek Kwu Chau and the Soko Islands, inshore waters of Lantau Island (e.g. Pui O Wan) as well as southwest corner of Cheung Chau as shown in **Figure 6.1** below:



6.2.1.3 The surveys should cover all 4 seasons in order to take natural fluctuation and seasonal variations into account for data analysis of distribution, encounter rate, density and habitat use of both porpoises and dolphins (if any). In comparison to the baseline monitoring results, results from the analysed construction phase monitoring data would allow the detection of any changes of their usage of habitat, in response to the scheduled construction works. The monitoring surveys shall be conducted throughout the construction phase involving marine construction work with the frequency shown in **Table 6.1** below:

Table 6.1 Vessel-based Line-transect Survey Frequenc
--

Season	Months	Frequency
Peak Season	December, January, February,	Twice per month
	March, April & May	
Non-peak Season	June, July, August, September,	Once per month
	October & November	

6.2.1.4 For each vessel survey, a 15-m inboard vessel with an open upper deck (about 4.5 m above water surface) would be used to make observations from the flying bridge area. Two experienced marine mammal observers (a data recorder and a primary observer) would make up the on-effort survey team, and the survey vessel would transit different transect lines at a constant speed of 13-15 km per hour. The data recorder shall search with unaided eyes and fill out the datasheets, while the primary observer shall search for dolphins and porpoises continuously through 7 x 50 marine binoculars. Both observers shall search the sea ahead of the vessel, between 270° and 90° (in relation to the bow, which is defined as 0°). Two additional experienced observers shall be available on the boat to work in shift (i.e. rotate every 30 minutes) in order to minimize fatigue of the survey team members. All observers shall be

experienced in small cetacean survey techniques and identifying local cetacean species with extensive training by marine mammal specialist of the ET.

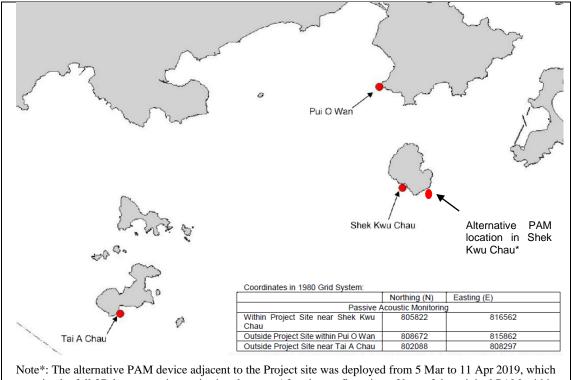
- 6.2.1.5 During on-effort survey periods, the survey team shall record effort data including time, position (latitude and longitude), weather conditions (Beaufort sea state and visibility), and distance travelled in each series (a continuous period of search effort) with the assistance of a handheld GPS (Garmin eTrex Legend). Data including time, position and vessel speed would also be automatically and continuously logged by handheld GPS throughout the entire survey for subsequent review.
- 6.2.1.6 When porpoises or dolphins are sighted, the survey team shall end the survey effort, and immediately record the initial sighting distance and angle of the porpoise or dolphin group from the survey vessel, as well as the sighting time and position. Then the research vessel shall be diverted from its course to approach the animals for species identification, group size estimation, assessment of group composition, behavioural observations, and collection of identification photos (feasible only for Chinese White Dolphin). The perpendicular distance (PSD) of the porpoise or dolphin group to the transect line would then be calculated from the initial sighting distance and angle, which shall be used in the line-transect analysis for density and abundance estimation.
- 6.2.1.7 The line-transect survey data shall be integrated with a Geographic Information System (GIS) to visualize and interpret different spatial and temporal patterns of porpoise and dolphin distribution using their sighting positions collected from vessel surveys. Location data of porpoise and dolphin groups would be plotted on map layers of Hong Kong using a desktop GIS (e.g. ArcView© 3.1) to examine their distribution patterns in details. The encounter rate could be used as an indicator to determine areas or time periods of importance to porpoises within the study area. For encounter rate analysis of finless porpoises, only survey data collected under Beaufort 2 or below condition would be used for encounter rate analysis.
- 6.2.1.8 To take into account of the variations of survey effort across different sections within survey area, the quantitative grid analysis of habitat use would be conducted to examine finless porpoise usage among 1-km² grids within the Southeast Lantau survey area. For the grid analysis, SPSE (sighting density) and DPSE (porpoise density) values would be deduced for evaluation on level of porpoise usage. First, positions of on-effort porpoise sightings from the study period are plotted onto 68 grids (1 km x 1 km each) within the survey area. Sighting density grids and porpoise density grids shall then be normalized with the amount of survey effort conducted within each grid. The total amount of survey effort spent on each grid shall be calculated by examining the survey coverage on each line-transect survey to determine how many times the grid had been surveyed during study period. With the amount of survey effort calculated for each grid, the sighting density and porpoise density of each grid shall be further normalized (i.e. divided by the unit of survey effort).
- 6.2.1.9 The newly-derived unit for sighting density was termed SPSE, representing the number of on-effort sightings per 100 units of survey effort. In addition, the derived unit for actual porpoise density was termed DPSE, representing the number of dolphins/porpoise per 100 units of survey effort. Among the 1-km² grids that were partially covered by land, the percentage of sea area was calculated using GIS tools, and their SPSE and DPSE values were adjusted accordingly. The following formulae shall be used to estimate SPSE and DPSE in each 1-km² grid within the study area:

 $SPSE = ((S / E) \times 100) / SA\%$ $DPSE = ((D / E) \times 100) / SA\%$

where S = total number of on-effort sightings D = total number of dolphins/porpoises from on-effort sightings E = total number of units of survey effortSA% = percentage of sea area

6.2.2 Passive Acoustic Monitoring (PAM)

The PAM aims to study the usage of an area by Finless Porpoise by using an array of automated static porpoise detectors (e.g. C-POD) which would be deployed at different locations to detect the unique ultra-high frequency sounds produced by Finless Porpoise. During the construction period, the PAM survey will be conducted including placement of two passive porpoise detectors outside the Project Area as control site (i.e. within Pui O Wan and to the south of Tai A Chau) and one porpoise detector within the Project Area (i.e. near Shek Kwu Chau) as shown in **Figure 6.2** below.



Note*: The alternative PAM device adjacent to the Project site was deployed from 5 Mar to 11 Apr 2019, which contained a full 37 days acoustic monitoring data set. After the confirmation of loss of the original PAM within the Project site, this data set was proposed to replace that of the original one, as consulted with AFCD accordingly.

Figure 6.2 Locations of Passive Acoustic Monitoring

6.2.3 These three detectors will be deployed on-site to carry out 24-hours monitoring for a period listed as **Table 6.2** below during the construction phase.

 Table 6.2 PAM Deployment Period

Season	Months	Deployment Period
Peak Season	December, January, February,	At least 30 days during the peak
	March, April or May	months of porpoise occurrence
		in South Lantau waters

- 6.2.3.1 The automated static porpoise detectors shall detect the presence and number of finless porpoise and Chinese White Dolphins respectively over the deployment period, with the false signal such as boat sonar and sediment transport noise distinguished and filtered out. The detectors shall be deployed and retrieved by professional dive team on the seabed of the three selected location shown in Figure 6.2. During each deployment, the C-POD unit serial numbers as well as the time and date of deployments shall be recorded. Information including the GPS positions and water depth at each of the deployment locations shall also be obtained.
- 6.2.3.2 The diel patterns (i.e. 24-hour activity pattern) of finless porpoise occurrence among the three sites at Shek Kwu Chau, Tai A Chau and Pui O Wan shall be analyzed. Peaks and troughs of finless porpoise occurrence per hour of day would be identified and compared with the results obtained from pre-construction monitoring.
- 6.2.4 Land-based Theodolite Tracking
- 6.2.4.1 The Land-based Theodolite Tracking study would use the same station as in the AFCD monitoring study (same as the baseline monitoring location), which is situated at the southwest side of Shek Kwu Chau (GPS position: 22°11.47' N and 113°59.33' E) as shown in below **Figure 6.3**. The station was selected based on its height above sea level (at least 20 metres), close proximity to shore, and relatively unobstructed views of the entire Project Area to the southwest of Shek Kwu Chau. The height of the Shek Kwu Chau Station established by the HKCRP team is 74.6 m high at mean low water, and only a few hundred metres to the IWMF reclamation site, which is ideal for the purpose for the present behavioural and movement monitoring of finless porpoises as well during construction phase considering there as an un-obstructed vantage point at a height above the Project Site.

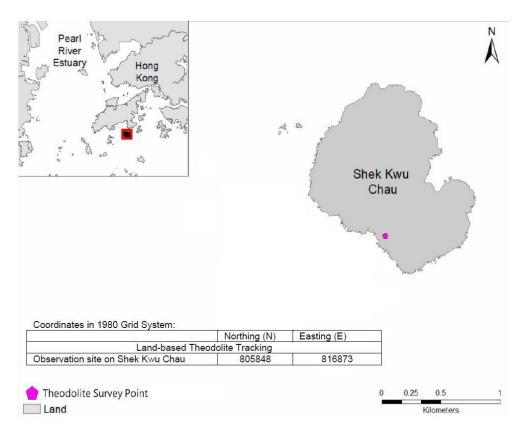


Figure 6.3 Locations of Land-based Theodolite Tracking

During the construction phase, Land-based Theodolite Tracking will be carried out for approximately six hours of tracking for each day of field work for a period listed as **Table 6.3** below, preferably at the initial stage of the construction period (i.e. December 2018 to May 2019).

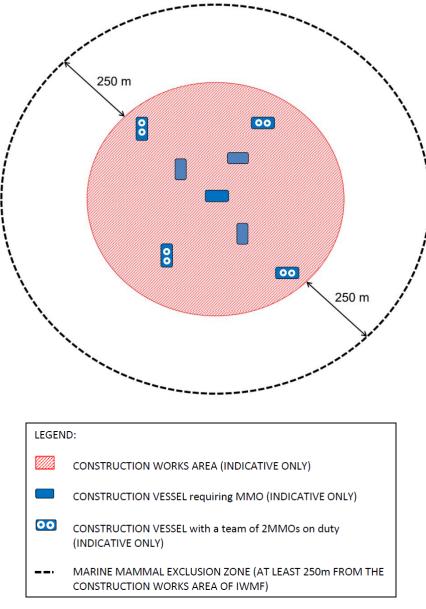
Table 6.	3 Lan	d-based	Theod	lolite Tı	racking	Survey	Period
						~~~~~	

Season	Months	Survey Period
Peak Season	December, January, February,	30 days during the peak months
	March, April or May	of porpoise occurrence in South
		Lantau waters

- 6.2.4.2 The monitoring period for land-based theodolite tracking will be proposed to be overlapped with the PAM. The monitoring team consists of one experienced theodolite operator and at least two field observers for assistance. To conduct theodolite tracking, the observers will search systematically for Finless Porpoise using the unaided eye and 7 x 50 handheld binoculars on each survey day throughout the study area. When an individual or group of porpoises is located, a theodolite tracking session will be initiated and focal follow methods will be used to track the porpoise(s). Behavioural state data (i.e. resting, milling, travelling, feeding and socializing) shall also be recorded every 5 minutes for the focal individual or group. Positions of porpoises and boats shall be measured using a digital theodolite connected to a laptop computer. This tracking survey was conducted during the peak season between December 2018 and May 2019 for 30 surveys spanning across 15-16 weeks during the peak season to provide good temporal coverage during the initial stage of the construction period.
- 6.3 Specific Mitigation Measures
- 6.3.1 Monitored exclusion zones
- 6.3.1.1 A MMEZ with 250 m distance from silt curtain shall be established during the above situation. If 3 or more construction vessels are required with MMO's duty and operating in close proximity, for the purpose of avoiding accidental entrance to the works area by Marine Mammal, a cluster MMEZ plan will be implemented to form a MMEZ with 250 m distance from the boundary of a work area as indicated in Figure 1 for reference. A team of MMO (i.e. at least two MMOs per day/night shift teams) would be arranged at the out-lying construction vessels to form the cluster MMEZ. The MMEZ serves as a monitoring approach to provide appropriate and immediate actions once finless porpoise or Chinese White Dolphin is sighted within the MMEZ. All MMEZ will be monitored by competent Marine Mammal Observers (MMOs) to be provided by the Environmental Team for the IWMF and trained by the Marine Mammal Monitoring Specialist of the ET who is independent from KSZHJV. The marine mammal observer(s) shall be independent of the construction contractor and shall form part of the Environmental Team and have the power to call-off construction activities.
- 6.3.1.2 According to the Condition 2.25 of the FEP, MMEZ should be implemented during the installation/re-installation/relocation process of floating type silt curtains in order to avoid the accidental entrance and entrapment of marine mammals within the silt curtains. Also, marine construction works expected to produce underwater acoustic disturbance as per Condition 2.27 of the FEP, especially within December and May, would require the implementation of MMEZ, which currently all those specific construction activities have been replaced by less acoustically disturbing construction methods such as Deep Cement Mixing (DCM) and Precast Concrete

Blocks Installation as discussed in Section 5.3 of the Detailed Monitoring Programme on Finless Porpoise, however, MMEZ would also be implemented for precautionary purpose for DCM works.

6.3.1.3 A MMEZ with 250 m distance from the boundary of a work area shall be established during the above situation. A typical MMEZ is indicated in **Figure 6.4** for reference. The MMEZ serves as a monitoring approach to provide appropriate and immediate actions once finless porpoise or Chinese White Dolphin is sighted within the MMEZ. All MMEZ will be monitored by competent Marine Mammal Observers (MMOs) to be provided by the Environmental Team (ET) for the IWMF and trained by the Marine Mammal Monitoring Specialist of the ET who is independent from KSZHJV.



**Figure 6.4 Illustration of Typical MMEZ** 

- 6.3.1.4 Prior to the commencement of construction activity, our MMOs shall ensure the boundary of a marine work area and setting up of the MMEZ for the work area and get access to the monitoring location on a barge or a lookout point where there is no obstructed views for monitoring the MMEZ during the construction activity. The MMEZ shall be scanned thoroughly by a MMO for any presence of marine mammal e.g. finless porpoise for an initial period of 30 minutes. Construction activity shall only be commenced after the MMO has confirmed that the MMEZ is clear of the marine mammal for the initial period of 30 minutes. The MMO shall then inform the construction superintendent through mobile phone or handheld transceivers to certify the commencement of construction activity. The MMEZ monitoring shall be carried on throughout the period for all active construction activities requiring implementation of MMEZ.
- 6.3.1.5 When any mammal marine, e.g. Finless Porpoise, is detected by the MMO within the MMEZ during construction, the MMO shall inform the construction superintendent immediately through mobile phone or handheld transceivers to cease construction activity within the MMEZ. Construction activity shall not be recommenced until the MMO confirms that the MMEZ is continuously clear of marine mammal for a period of 30 minutes. The MMO shall then inform the construction superintendent through mobile phone or handheld transceivers to certify the re-commencement of construction activity.
- 6.3.1.6 As there could be a number of Contractors working at the same time within a work area for the IWMF project, a full contact list of MMEZ monitoring team members of the ET and the relevant responsible construction superintendents of the Contractor at the site shall be prepared, updated regularly and circulated to all parties involved in the MMEZ monitoring. With a full contact list, our MMOs shall be able to find out the contacts of corresponding persons in case of marine mammal sighting within and near the MMEZ or emergent occurrence of any unpredictable impact on marine mammal.
- 6.3.1.7 If a marine mammal is still observed in close vicinity but outside the MMEZ, the MMO shall inform the construction superintendent about the presence of marine mammal. The MMO shall remain in position and closely observe the movement of the marine mammal as well as searching for the appearance of any other marine mammal within the MMEZ. No matter the marine mammal is observed within or in close vicinity but outside the MMEZ, the construction superintendent or relevant persons shall inform all vessel captains involved in construction activities around the MMEZ to pay special attention of the presence of the marine mammal in order to reduce chance of collision with them. In case of injury or live-stranded marine mammal being found within the MMEZ, the marine mammal observer shall immediately inform the construction superintendent to suspend construction activities within the works area and contact AFCD through "1823" marine mammal stranding hotline.
- 6.3.2 Marine mammal watching plan
- 6.3.2.1 Upon the completion of silt curtain installation/re-installation/relocation, the marine works would be conducted within an enclosed environment within the silt curtain. Subsequently, Visual Inspection of the Waters Surrounded by Silt Curtains (Section 2.1, MMWP) and Regular Inspection of Deployed Silt Curtain (Section 2.2, MMWP) inspection under Marine Mammal Watching Plan would be implemented (where applicable, Marine Mammal Exclusion Zone shall be conducted at the meantime).

- 6.3.2.2 Before commencement of dredging/sand blanket laying work at each designated area, a trained MMO shall check whether position frame silt curtains are ready, well prepared and operated without any obvious damage. Also, the MMO shall confirm the presence of the relevant frontline staff of the main contractor or its sub-contractors and engineers on board to ensure the effective communication, coordination and implementation of the response plan in relation to any incidents involving marine mammals within the waters surrounded by the position frame type silt curtains and the work areas. Also, there are lookout points at an elevated level on each barge, clear and safe access at the edges of the derrick lighter/ flag-top barge for inspection during dredging/sand blanket laying works, provision of sufficient lighting is required if working at night.
- 6.3.2.3 During the operation, the inspection will be conducted daily. The MMO will walk along the edge of derrick lighter (DL) and flag-top barge (FB) along the position frame silt curtain or proper location without obstacles where appropriate to inspect the position frame silt curtains are maintained in the correct positions with no obvious defects / entanglement and there is no observable muddy water passing through the position frame silt curtain system. Any floating refuse trapped by the silt curtain shall be removed as part of the regular inspection. For night inspection, spotlight will be used to provide sufficient brightness to assist the inspection in dark condition.
- For the re-deployment of the localized silt curtains (frame-type, cage-type or 6.3.2.4 enclosed floating-type silt curtains), MMO will conduct visual inspection to confirm that there is no presence of marine mammal within the localized silt curtains (frametype, cage-type or enclosed floating-type silt curtains). Visual inspection will be conducted every hour by MMO for confirming that there is no marine mammal observed in the surrounding area of the deployed silt curtain during re-deployment of localized silt curtains (frame-type, cage-type or enclosed floating-type silt curtains). The duration will be subject to various conditions, e.g. weather or angle of observation. The works can only commence after confirming that the surrounding waters of the localized silt curtains do not contain any marine mammal. Thereafter, frontline staff, i.e. foremen, site agent, superintendents and engineers will assist our MMO in implementing the plan from the active work fronts within the waters surrounded by the silt curtains throughout the work period. The MMO will conduct regular check to observe the presence of any marine mammal around the localized silt curtain or being trapped by the localized silt curtain daily. The MMOs will also check if the localized silt curtains are in correct positions.
- 6.3.2.5 The MMO shall fill up our Marine Mammal Sighting Record Sheet. After inspection, those records should be kept properly and submitted to the project team. In case there is any marine mammal being found, the MMO should carry out the response actions and communicate with relevant parties to stop and then resume work after the discovered marine mammal leaves. After lifting up and mobilization of silt curtain, the MMO will repeat the procedures of regular and visual inspection until the end of the construction works.
- 6.3.2.6 Each lookout point will have an unobstructed view to waters around the DL and FB. The MMO will move around the DL and FB to establish a clear and unobstructed view as much as they can without compromising the safety concern. When appropriate, the lookout point can be replaced by a proper location if unobstructed view can be assured.

- 6.3.2.7 Installation of caisson No.19 was completed on 18 March 2021, which the reclamation area had been totally enclosed by permanent structure. Floating type silt curtain at marine access was removed on 18 March 2021. No enclosed area shall be formed by deployment of silt curtain for the remaining works programme.
- 6.4 Results and Observations
- 6.4.1 Vessel-based Line-transect Survey

The monthly surveys were conducted on 28 October 2024. As this is the designated non-peak season (April - November), one survey was completed. A total on effort survey length of 39.7 km was completed, 70.8% of which was conducted at Beaufort Sea State 2 or better (**Table 6.4**). Three (3) on-effort finless porpoise sightings were recorded and two (2) opportunistic finless porpoise sightings were recorded and confirmed by qualified ecologist (**Table 6.5**, **Figure 6.5**).

#### Table 6.4 Summary of Vessel-based Line-transect Survey Effort

Date	Area*	Beaufort	Effort (km)	Season	Vessel	Effort Type**
		1	5.6			
28 October 2024	SEL	2	22.5	AUTUMN	SEAMARHK	Р
		3	7.6			
		4	4			

As shown in Figure. 6.1

** P (from AFCD) denotes the ON EFFORT survey on the transect line, not the adjoining passages

		Sighting		Group						*
Date	Species	No.	Time	Size	PSD	Behaviour	Lat.	Long.	Area	Season
28 Oct 2024	Finless Porpoise	155	11:09	4	25	Travelling	22.17548	113.9837	SEL	AUTUMN
28 Oct 2024	Finless Porpoise	156	11:25	4	NA	Other	22.18519	113.9825	SEL	AUTUMN
28 Oct 2024	Finless Porpoise	157	12:09	1	5	Travelling	22.18427	113.9739	SEL	AUTUMN
28 Oct 2024	Finless Porpoise	158	13:10	3	NA	Unknown	22.16535	113.9514	SEL	AUTUMN
28 Oct 2024	Finless Porpoise	159	13:23	1	66	Travelling	22.18912	113.9439	SEL	AUTUMN

#### Table 6.5 Sightings recorded during October 2024 Vessel-based Line-transect Survey

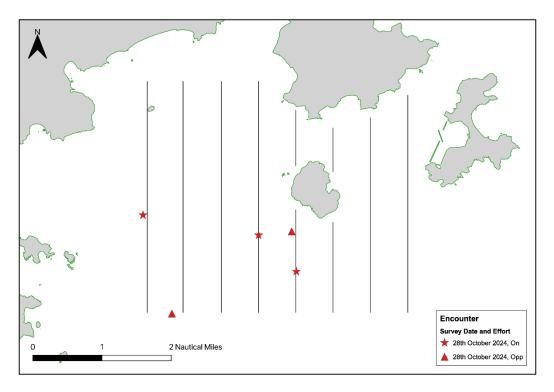


Figure 6.5 Location of sightings recorded during October 2024 Vessel-based Line transect survey

- 6.4.1.1 A review of the porpoise sightings in the survey area for October between 2009-2017 (no effort was recorded in 2010) show that three (3) of the seven (7) years surveyed in October record no porpoise sightings. For all weather conditions, and for the seven years data available, three years recorded zero (0) sightings (2011, 2012 and 2015 conducted by AFCD), one year recorded 1 sighting (2013), one year recorded two (2) sightings (2017) and three years recorded three (3) sightings (2009, 2014, 2016 conducted by AFCD). Effort varied between years and the average number of sightings (per km) was 0.04 km⁻¹ for the AFCD long term monitoring programme. Therefore, this month's number of on effort sightings (3), with a concomitant encounter rate of 0.1 km⁻¹ is high.
- 6.4.1.2 A review of the Beaufort Sea State in October survey conditions between 2009 and 2017 (only data available from AFCD at times of writing; AFCD 2018¹; 2017²; 2016³; 2015⁴; 2014⁵; 2013⁶; 2012⁷; 2011⁸; 2010⁹) show that between 0% and 100% of survey effort has been conducted at Beaufort Sea State 2 or better in the past. For this project in October 2024, 70.8% of the survey was conducted at Beaufort Sea State 2 or better than average for previous AFCD surveys conducted in this month.
- 6.4.1.3 The impacts of the Project on marine mammals as predicted in the EIA were that construction activities would cause individuals to move away from the area. The month of October usually records few porpoise sightings since before construction commenced, and during the previous construction period (2018 early 2023) no sightings in this month were recorded. October is also considered to be off peak season for porpoise, as indicated in the long-term monitoring sightings data published by AFCD. The presence of at least 13 individuals (from 3 on effort sightings and 2 groups sighted between transect lines) is unusual and perhaps is an

indicator that the recent year-plus cessation of marine construction activities immediately adjacent to Shek Kwu Chau has facilitated the porpoise to return to the survey area. Or, as high-speed ferries are again traversing the South Lantau habitat, porpoise may be pushed further south.

- 6.4.2 PAM and Land-based Theodolite Tracking
- 6.4.2.1 30 days of PAM surveys were started on 1 May 2019 and completed in the end of May 2019. Multiple PAM systems were deployed at three sites. The PAM system located at the IWMF was lost, however, an alternative data set had been identified. The PAM systems at the two control sites Tai A Chau and Pui O were recovered on 3 August 2019. A summary of marine mammal detections showed that porpoise were recorded every day of deployment at each site, but at varying frequencies. The detailed theodolite result was presented in 17th Monthly EM&A report (November 2019) while detailed PAM result was presented in 18th Monthly EM&A report (December 2019).
- 6.4.2.2 For the baseline study, the Detection Positive Minutes (DPM) for each site was 11,160 (Shek Kwu Chau), 16,089 (Tai A Chau) and 3645 (Pui O Wan), totalling 30,894 DPM across all three sites, compared to DPMs of 4740 (Shek Kwu Chau), 7725 (Tai A Chau) and 23,986 (Pui O Wan), totalling 36,451 DPM, for the impact phase study. As the impact phase study was longer than the baseline study, it is not appropriate to directly compare total counts of DPM. However, the DPM rate (the average number of detections per day) for each site can be more directly compared. During the baseline study, Shek Kwu Chau averaged 338.2 DPM per day compared with 124.8 DPM per day during the impact phase study. This showed a decrease in the daily average of porpoise detection at Shek Kwu Chau. During the baseline study, Tai A Chau averaged 487.6 DPM per day compared with 179.7 DPM per day, during the impact phase study. This showed a decrease in the daily average of porpoise detection at Tai A Chau. During the baseline study, Pui O Wan averaged 98.5 DPM per day compared with 557.8 DPM per day during the impact phase study. This showed a significant increase in the daily average of porpoise detections at Pui O Wan.
- 6.4.2.3 Overall, the PAM study showed that porpoise continue to consistently utilise the Shek Kwu Chau habitat immediately adjacent to the IWMF construction activities, although to a lesser degree than that prior to construction activities. In addition, the Pui O Wan site, which is 2.5 km away from the IWMF construction area, was also consistently utilised during the impact phase PAM study. A continued assessment of fine scale habitat use, particularly through PAM which yielded large quantities of data, would allow a more comprehensive assessment of the EIA predictions.
- 6.4.2.4 Theodolite surveys were completed in May 2019. In total, 34 days of theodolite tracking were completed between February and May 2019, comprising 167 hours and 49 minutes of observation. No Chinese white dolphin was observed and only one finless was recorded. The finless porpoise encounter rate was calculated as 0.006 finless porpoise per hour, in all weather conditions.
- 6.4.2.5 A total of 2620 vessels of ten different types were observed and tracked within or in the proximity of the IWMF construction site. These comprised fishing boats (236), speed boats (29), container boats (155), government boats (22), high speed ferries (53), others (13) and IWMF-Related construction platforms (974), tug boats (240), transportation boats (363), construction boats (531) and approximately 8 buoys were present marking the site boundary.

- 6.4.2.6 The baseline theodolite tracking was conducted immediately prior to and during the site preparation activities of the site. The baseline data records a decrease in porpoise sightings as site preparation activities commenced and notes that the decrease was most likely due to the onset of site preparation activities. The impact theodolite tracking conducted for this study records a marked increase in the number of Project related vessels and platforms and, in agreement with baseline conclusions, shows a concomitant decrease in finless porpoise sightings.
- 6.4.3 Specific Mitigation Measures
- 6.4.3.1 Trainings for the MMO were provided by the ET prior to the monitoring of the Marine Mammal Exclusion Zone (MMEZ) for installation/ re-installation/ relocation process of silt curtains, with a cumulative total of 98 individuals being trained and the training records kept by the ET.

#### 6.4.5 References

- 1. Agriculture, Fisheries and Conservation Department (AFCD) 2018. *Annual Marine Mammal Monitoring Programme April 2017-March 2018*) The Agriculture, Fisheries and Conservation Department, Government of the Hong Kong SAR. <u>http://www.afcd.gov.hk/english/conservation/con_mar_chi/con_mar_chi_chi_html</u>
- 2. Agriculture, Fisheries and Conservation Department (AFCD) 2017. *Annual Marine Mammal Monitoring Programme April 2016-March 2017*) The Agriculture, Fisheries and Conservation Department, Government of the Hong Kong SAR. http://www.afcd.gov.hk/english/conservation/con_mar_chi/con_mar_chi_chi.html
- 3. Agriculture, Fisheries and Conservation Department (AFCD) 2016. *Annual Marine Mammal Monitoring Programme April 2015-March 2016*) The Agriculture, Fisheries and Conservation Department, Government of the Hong Kong SAR. http://www.afcd.gov.hk/english/conservation/con_mar_chi/con_mar_chi_chi_html
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- 5. Agriculture, Fisheries and Conservation Department (AFCD) 2014. *Annual Marine Mammal Monitoring Programme April 2013-March 2014*) The Agriculture, Fisheries and Conservation Department, Government of the Hong Kong SAR. http://www.afcd.gov.hk/english/conservation/con_mar_chi/con_mar_chi_chi_html
- Agriculture, Fisheries and Conservation Department (AFCD) 2013. Annual Marine Mammal Monitoring Programme April 2012-March 2013) The Agriculture, Fisheries and Conservation Department, Government of the Hong Kong SAR. <u>http://www.afcd.gov.hk/english/conservation/con_mar_chi/con_mar_chi chi i/con_mar_chi_chi.html</u>
- Agriculture, Fisheries and Conservation Department (AFCD) 2012. Annual Marine Mammal Monitoring Programme April 2011-March 2012) The Agriculture, Fisheries and Conservation Department, Government of the Hong Kong SAR. <u>http://www.afcd.gov.hk/english/conservation/con_mar_chi/con_mar_chi_chi.html</u>
- 8. Agriculture, Fisheries and Conservation Department (AFCD) 2011. Annual Marine Mammal Monitoring Programme April 2010-March 2011) The Agriculture, Fisheries and Conservation Department, Government of the Hong Kong SAR. http://www.afcd.gov.hk/english/conservation/con_mar_chi/con_mar_chi/con_mar_chi ch i/con_mar_chi_chi.html
- Agriculture, Fisheries and Conservation Department (AFCD) 2010. Annual Marine Mammal Monitoring Programme April 2009-March 2010) The Agriculture, Fisheries and Conservation Department, Government of the Hong Kong SAR. <u>http://www.afcd.gov.hk/english/conservation/con_mar_chi/con_mar_chi_chi.html</u>

# 7. WHITE-BELLIED SEA EAGLE

- 7.1 Monitoring Requirement
- 7.1.1 On Shek Kwu Chau Island, a nest of WBSE is located about 60 m above ground within a hillside shrubland habitat, 130 m in-land from shore, about 550 m away from the proposed reclaimed land, with no human access. 3 phases monitoring programme will be comprised of pre-construction phase, construction phase and operation phase.
- 7.1.2 The Pre-Construction WBSE monitoring was started on 30 January 2018 and the location of WBSE nest was confirmed on 21 February 2018 and it is located at the western part of SKC Island (Figure 7.1). Two adults and two chicks were also recorded on 5th March 2018 survey till the end of the Pre-construction monitoring on 15th May 2018. Construction Phase monitoring were carried out followed by the commencement of the Construction Phase on 28th June 2018.
- 7.2 WBSE Monitoring Parameters, Time, Frequency
- 7.2.1 The objective of the construction phase monitoring should be to verify the utilisation of the area by WBSE, their responses to construction disturbance, as well as the effectiveness of the proposed mitigation measures. Throughout the construction phase, field surveys should be conducted twice per month during their core breeding season (from December to May), and once per month outside their core breeding season (from June to November). The monitoring frequency should be increased to weekly during the incubation period of each year. In order to confirm their foraging ground near the construction site, it is necessary to conduct daily monitoring during the first week of nestling period in each year.
- 7.2.2 Since the location of the WBSE nest was located at the southwest of SKC within the hillside shrubland, it is impossible to observe the eggs during incubation period. Therefore, monitoring with increased frequency during incubation period will be continued until chick was seen in the nest. Daily monitoring of 7-day consecutive monitoring will be carried out once any chick is recorded during the monitoring day. The monitoring schedule during the reporting period is provided in **Appendix C**.
- 7.3 Monitoring Location
- 7.3.1 Since there are no suitable land footings along the coast of SKC, only boat surveys were conducted. On Shek Kwu Chau Island, a nest of WBSE is located about 60 m above ground within a hillside shrubland habitat, 130 m in-land from shore, about 550 m away from the proposed reclaimed land, with no human access.
- 7.4 Monitoring Methodology
- 7.4.1 Information to be collected included feeding, perching/roosting, preening, soaring, flying, nesting and territorial guarding and the time spent on each activity. The responses and reactions to any disturbance to the WBSEs were also recorded and examined in conjunction with the construction noise and/or other events in the vicinity. Other disturbances such as weather condition, or invasion by other fauna species were also recorded.
- 7.4.2 Binocular, scope, camera, lens and GPS device used are summarized as **Table 7.1** below:

Equipment	Quantity
Swarovski EL 8.5 x 42 Binocular	1
Swarovski EL Range 8 x 42 Binocular	1
Swarovski ATX 25-60 x 85 Spotting Scope	1
Canon 1Dx Mark II Camera	1
Canon EF300mm F2.8 Lens with Canon 2x Teleconverter	1
Canon PowerShot G7X Camera	1
Garmin GPSMAP 64S	1

#### Table 7.1 List of Equipment Used during Construction Phase Monitoring

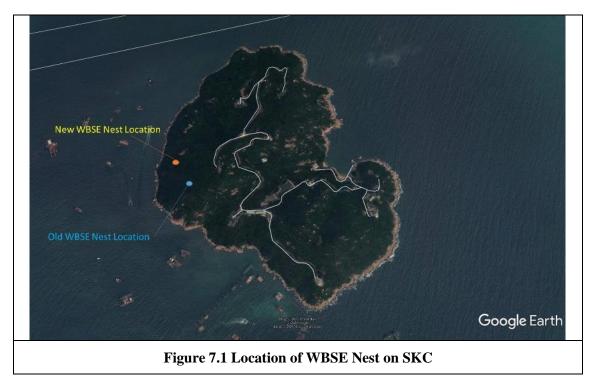
- 7.4.3 If event such as absence of White-bellied Sea Eagle during a whole day of monitoring was found during WBSE monitoring, the actions in accordance with the Event and Action Plan should be carried out according to **Appendix M.**
- 7.5 Results and Observations
- 7.5.1 A once per month monitoring for non-breeding season during the construction phase monitoring was conducted on 28 October 2024 to verify the utilization of the area by WBSE, their responses to construction disturbance, as well as the effectiveness of the proposed mitigation measures. Since there is no landing point long the western part of SKC, boat survey was used for the monitoring survey. The WBSE, monitoring survey was carried out in the morning. The weather condition of monitoring survey was shown in **Table 7.2**.

#### Table 7.2 Weather Conditions during the WBSE Monitoring

Date	Condition	Temperature (°C)
28 October 2024	<ul><li>Northeast wind force 4 to 5</li><li>Sunny</li></ul>	29

- 7.5.2 During the whole monitoring survey period, the two adult WBSEs were recorded on 28 October 2024. No incubation activity nor chick was recorded during the monitoring survey on 28 October 2024. No abnormal behaviors of the adults were recorded.
- 7.5.3 The juvenile recorded in 2022 and 2023 has not been observed since monitoring event in September 2022 and September 2023 respectively, it is suggested that the juvenile left the nest at SKC and nesting in other area outside our monitoring boundary.
- 7.5.4 All marine works during the monitoring period did not show any effect to the WBSE.
- 7.5.5 Any disturbances from anthropogenic activities on the island were not recorded during the monitoring survey. However, there were fishing boats moving close the shore were recorded. Since the nesting tree is about 160m away from the shore and it is not accessible, fishing boat activities didn't show any direct disturbance to the WBSE nest. No invasion of other fauna species was recorded.
- 7.5.6 There was no sign of using the construction site as a foraging ground.

7.5.7 A once per month construction phase monitoring will be continued in November 2024 during the non-breeding season (between June to November)



7.5.8 Photo record of WBSE from the survey in this reporting month is shown below:



Figure 7.2 Photo Records of WBSE on SKC during the Reporting Period

## 8. SUMMARY OF MONITORING EXCEEDANCE, COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS

8.1 The Environmental Complaint Handling Procedure is shown in **Figure 8.1**.

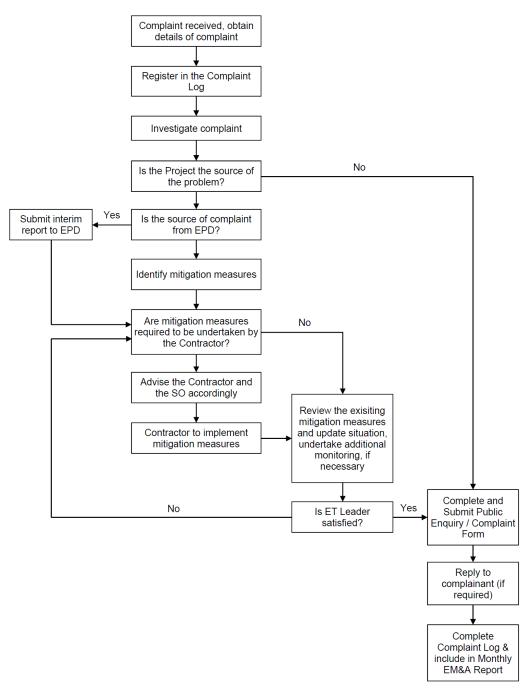


Figure 8.1 Environmental Complaint Handling Procedures

Date	<b>B</b> 1	B2	<b>B</b> 3	<b>B4</b>	CR1	CR2	F1A	H1	<b>S1</b>	S2A	<b>S</b> 3	M1
02-10-2024												
04-10-2024												
07-10-2024												
09-10-2024												
11-10-2024												
14-10-2024												
16-10-2024												
18-10-2024												
21-10-2024												
23-10-2024												
25-10-2024												
28-10-2024												
30-10-2024												
No. of SS Exceedances	1	1	1	0	0	0	0	0	0	0	0	1

 Table 8.1 Summary of SS Compliance Status at Impact Stations (Mid-Flood Tide)

Note 1: Detailed results are presented in Appendix D

Legend:

L	
	No exceedance of Action Level and Limit Level
	Exceedance of Action Level recorded at monitoring station located downstream of the Project
	based on dominant tidal flow
	Exceedance of Action Level recorded at monitoring station located upstream/unrelated stream
	(neither upstream nor downstream, far away) of the Project based on dominant tidal flow
	Exceedance of Limit Level recorded at monitoring station located downstream of the Project
	based on dominant tidal flow
	Exceedance of Limit Level recorded at monitoring station located upstream/unrelated stream of
	the Project based on dominant tidal flow
	Upstream/unrelated stream station with respect to IWMF Project during the respective tide based
	on dominant tidal flow
	Downstream station with respect to IWMF Project during the respective tide based on dominant
	tidal flow/station within the Project site
	NA for measurement
	Cancelled due to incident or adverse weather

- 8.2 During the reporting period, two (2) of general water quality monitoring results of SS obtained during the reporting period had exceeded the Action Level and two (2) of general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level. Investigations were carried out for each exceedance during the reporting period.
- 8.3 No project-related Action Level or Limit Level exceedance of regular water quality monitoring was recorded from the 1 October 2024 to 31 October 2024 as shown in **Appendix N** and no exceedance of the Action and Limit Levels of the regular WBSE monitoring and impact noise monitoring was recorded during the reporting period.
- 8.4 No notification of summons and prosecution was received in the reporting period.
- 8.5 Statistics on complaints, notifications of summons and successful prosecutions are summarized in **Appendix O**.

# 9. EM&A SITE INSPECTION

9.1 Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting period, site inspections were carried out on 02, 08, 15, 22 and 29 October 2024 at the site portions listed in **Table 9.1** below.

Date	Inspected Site Portion	Time
02 October 2024	Portion 1, 1A & 1B (near SKC)	10:20 AM - 11:10 AM
08 October 2024	Portion 1, 1A & 1B (near SKC)	10:15 AM – 11:05 AM
15 October 2024	Portion 1, 1A & 1B (near SKC)	10:15 AM – 11:05 AM
22 October 2024	Portion 1, 1A & 1B (near SKC)	10:10 AM - 11:20 AM
29 October 2024	Portion 1, 1A & 1B (near SKC)	10:30 AM - 11:20 AM

- 9.2 One joint site inspection with IEC was carried out on 15 October 2024.
- 9.3 Environmental deficiencies were observed during weekly site inspection. Key observations during the site inspections of the reporting period are summarized in **Table 9.2**.

Table 9	0.2 Site	Observations
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Date	Environmental Observations	Follow-up Status
02 October 2024 (Site inspection)	<ul><li><u>Observation(s) and Recommendation(s)</u></li><li>1. At seawall A, oil drums should be placed on drip tray.</li></ul>	1. At seawall A, oil drums had been removed and stored in designated area.
	2. Near substation, NRMM label should be displayed on generator.	2. Near substation, the NRMM label on generator had been repaired.
	Observation(s) and Recommendation(s)	
08 October 2024	1. At substation, C&D waste should be stored separately from general waste.	1. At substation, C&D waste had been stored separately from general waste and removed regularly.
(Site inspection)	2. Near CCCW, oil drum should be stored on drip tray.	2. Near CCCW, oil drum had been stored on drip tray.
	3. At caisson 11, general waste should be stored inside rubbish bin.	3. At caisson 11, general waste had been stored inside rubbish bin and removed regularly.
	Observation(s) and Recommendation(s)	
15 October 2024 (Site inspection)	1. At caisson 19, silt curtain should be placed at right position and in good condition to block the runoff.	1. At caisson 19, silt curtain had been replaced at right position immediately and geotextile had been added to block the runoff.

Date	Environmental Observations	Follow-up Status
22 October 2024 (Site inspection)	<ul> <li><u>Observation(s) and Recommendation(s)</u></li> <li>1. At CCCW, oil drum should be placed on drip tray.</li> <li>2. At vertical seawall bay 4, inert waste and non-inert waste should be stored separately.</li> </ul>	placed on drip tray.
29 October 2024 (Site inspection)	<ul> <li><u>Observation(s) and Recommendation(s)</u></li> <li>1. At landing pier, oil stain was observed on ground.</li> <li>2. No NRMM label was presented on mobile crane CC46.</li> <li>3. At process building, oil drum should be placed on drip tray.</li> </ul>	<ol> <li>At landing pier, oil stain on ground had been removed as chemical waste and stored in chemical waste cabinet.</li> <li>NRMM label had been presented on mobile crane CC46.</li> <li>At process building, oil drum had been placed on drip tray.</li> </ol>

- 9.4 The Contractor had rectified all the observations identified during environmental site inspections in the reporting period.
- 9.5 According to the EIA Study Report, Environmental Permit, contract documents and Updated EM&A Manual, the mitigation measures detailed in the documents are implemented as much as practical during the reporting period. An updated Implementation Status of Environmental Mitigation Measures (EMIS) is provided in **Appendix B**.

## **10. FUTURE KEY ISSUES**

- 10.1 Works to be undertaken in the next reporting month are:
  - Reclamation Area:
    - Pile cap construction
    - Superstructure construction
  - Seawall Portion:
    - Caisson extension works, from +3mPD to +6mPD, at Seawall A and B
    - Construction of wave wall along the vertical seawall above +3mPD
- 10.2 Potential environmental impacts arising from the above construction activities are mainly associated with construction noise, waste management and ecology.
- 10.3 The key environmental mitigation measures for the Project in the coming reporting period expected to be associated with the construction activities include:
  - Reduction of noise from equipment and machinery on-site;
  - Sorting, recycling, storage and disposal of general refuse and construction waste;
  - Management of chemicals and avoidance of oil spillage on-site, especially under heavy rains and adverse weather;
  - Dust control of exposed soil surface and stockpile of dusty material at reclaimed area;
  - Dust suppression measures for exposed earth surface and stockpile of dusty material; and
  - Site runoff control measure during construction works.
- 10.4 The tentative schedule of regular construction noise, water quality and ecology monitoring in the next reporting period is presented in **Appendix P**. The regular construction noise, water quality and ecology monitoring will be conducted at the same monitoring locations in the next reporting period.

## **11. CONCLUSION AND RECOMMENDATIONS**

- 11.1 This 76th monthly Environmental Monitoring and Audit (EM&A) Report presents the EM&A works undertaken during the period from 1 October to 31 October 2024, in accordance with the Updated EM&A Manual and the requirement under EP-429/2012/A and FEP-01/429/2012/A.
- 11.2 Construction noise, water quality, construction waste, marine mammal and WBSE monitoring were carried out in the reporting period. No project-related exceedance of the Action and Limit Level was recorded from 1 October to 31 October 2024.
- 11.3 Weekly environmental site inspections were conducted during the reporting period. Environmental deficiencies were observed during site inspection and were rectified.
- 11.4 According to the environmental site inspections performed in the reporting month, the Contractor was reminded to pay attention on the proper storage of the chemicals for preventing accidental spillage of chemicals, deployment of geotextile for preventing site runoff and proper storage of general waste to maintain the site tidiness.
- 11.5 No environmental complaint was received in the reporting period.
- 11.6 No notification of summon or prosecution was received since commencement of the Contract.
- 11.7 The ET will keep track of the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Appendix A Master Programme

ity ID	Activity Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finisl	Late Start Late Fin	sh Total M Float	181 Remarks Aug	Integrated Waste Manageme
rogramma for	Decian and Construction Works WD7A M91 2 Month	2440	356		21-Aug-25	31-Jan-24 17-Sep		81	82
rogramme for Key Dates	Design and Construction Works WP7A-M81 - 3-Month	390	356			27-Jul-24 17-Sep			
Contractual Key	Dates	390				27-Jul-24 21-Aug			
01-1015(3)(M12)	Original Date of Substantial Completion of the Works	0	0	0%	31-Aug-24*	27-Jul-2			<ul> <li>Original Date of Substantial Completion</li> </ul>
01-1020(7A)	Extension of Time (EOT) Granted (in working days)	317	288		-	30-Aug-24 21-Aug			
Dates of Site Pos 01-1170	Possession of Portion 4 (EC No. 040)	50		31-Aug-24 0%	20-Oct-24 31-Aug-24	10-Mar-25 17-Sep 17-Sep			Possession of Portion 4 (EC No. 040)
01-1190	Possession of Portion 6	0			51-Auy-24	10-Mar-25	141		
License/Permit A	Applications	285	162	01-Mar-24 A	08-Feb-25	06-Mar-24 30-Nov	24 -70		
-	tion for Brine Discharge	243	120	· · ·		26-Jun-24 24-Aug			
03-3960(7) 03-3970(7)	Review by EPD Re-Submission of Application to EPD	28	6 14	· · ·	05-Sep-24 18-Nov-24	26-Jun-24 01-Jul-2 02-Jul-24 15-Jul-2			Review by EPD
03-3980(7)	Issuance of Temporary License by EPD	0	0		18-Nov-24	15-Jul-24			
03-3990(7)	Public Consultation	40	40		28-Dec-24	16-Jul-24 24-Aug			
DG Licence		120	120			29-May-24 30-Nov 29-May-24 25-Sep			
Day Tank & Fue	I Oil Storage (Cat 5) General Building Plans and FSI Provision Design Submission to FSD (Cat 5)	120 30	120 30		08-Feb-25 10-Nov-24	29-May-24 25-Sep 29-May-24 27-Jun-			
03-1400	DGD and VD Review and Approval of Submission	90	90		08-Feb-25	28-Jun-24 25-Sep			
Chemical Stores	s (all Cat)	111	111	12-Oct-24	30-Jan-25	12-Aug-24 30-Nov	24 -61		
03-1480	Plans and FSI Provision Design Submission to FSD	21	21		01-Nov-24	12-Aug-24 01-Sep			
03-1490	DGD and VD Review and Approval of Submission stallations (FSI) Certificate	90	90 113		30-Jan-25 21-Dec-24	02-Sep-24 30-Nov 17-Apr-24 19-Sep			
Fire Engineering		165	42			17-Apr-24 28-May			
05-4460(7)	Submission of Revised FER (comment by FSD in Nov 2023)	30	12			17-Apr-24 28-Apr-			Submission of Revis
05-4470	FSD review and approval of General Building Plan	30	30			29-Apr-24 28-May			
	Istallations Certificate Inspection	0	0			28-May-24 28-May			
03-1555-1(5a)	Approval of General Building Plans and FSI Provision Design Submission stallations Certificate Inspection for IWMF Sub-Station	0	0	0% 11-Oct-24	11-Oct-24 21-Dec-24	28-May 10-Jul-24 19-Sep			
03-3880	Completion of FSI Installations for IWMF Sub-Station	0	0		07-Nov-24	06-Aug			
03-3890	Application for FSI inspection	14	14		24-Oct-24	10-Jul-24 23-Jul-2			
03-3900	FSD Process Application	14	14			24-Jul-24 06-Aug			
03-3910	FSD Initial Inspection Defect Rectifications	14	14		21-Nov-24 21-Dec-24	07-Aug-24 20-Aug 21-Aug-24 19-Sep			
Lifts or Escalato		0	0			06-Mar-24 06-Mar-			
03-1060	Notification of Commencement of Works Involving Installation or Maintenance	0				06-Mar-24	-178		<ul> <li>Notification of Commencement of Works</li> </ul>
Design Submiss		2320	270			19-Feb-24 17-Sep			
General Building	-	135	31			28-Apr-24 28-May 28-Apr-24 28-May			
04-1600(M42) 04-1610(M42)	Process Building & Wastewater Treatment Plant Turbine Hall Building	135	31	77.04% 03-Jun-21 A 77.04% 03-Mar-21 A		, ,			
04-1620(M42)	Compressor & CCCW Building	135	31		· ·	, ,			
04-1630(M42) 04-1640(M42)	Chimney Mechanical Treatment Plant & Water Treatment Plant	135	31						
04-1650(M42)	Reception Pavilion	135	31						
04-1660(M42)	Administration Building and Viewing Gallery	135	31						
04-1670(M42) 04-1680(M42)	Elevated Drive Way and Associated Structures IWMF Substation	135	31			28-Apr-24 28-May			
04-1690(M46)	ACC Equipment Structure	135		77.04% 03-Mar-21 A					
AIP Design Pack	kage Submissions	988	195	18-Jan-22 A	13-Mar-25	08-Mar-24 26-Jun-	25 105		
AIP Mechanical	Treatment Plant Building (2.4)	432	90	18-Jan-22 A	28-Nov-24	08-Mar-24 11-Jul-2	4 -140		
05-1670	Electrical and instrumentation works design (2.4.03)	190	90						
Building servic	LV and Emergency Power Distribution Design	135	30 30			12-Jun-24 11-Jul-2			
AIP Roads and		60	60			26-Mar-24 24-May			
	system design on the Artificial Island (2.10.04)	60	60	31-Aug-24	29-Oct-24	26-Mar-24 24-May	-24 -158		
05-2360	Water Tanks (2.10.04.05)	60	60	0% 31-Aug-24	29-Oct-24	26-Mar-24 24-May	-24 -158		
AID Testing and	Commissioning (2.12)	195	195	31-Aug-24	13-Mar-25	22-Jun-24 02-Jan-	25 -70		
AIF TESTINY and	System commissioning plan (2.12.03)	90	90 105			22-Jun-24 19-Sep			
05-2670	Plant commissioning plan (2.12.04)	221	105			20-Sep-24 02-Jan- 27-Jan-25 26-Jun-			
05-2670 05-2680		221	151	· · ·					
05-2670	Existing onshore crane replacement works at Portion 2		90	01 4== 04 4	28-Nov-24	12-Apr-24 06-Aug	24 -114		
05-2670 05-2680 AIP Miscellaneo 05-2710		213	90	01-Apr-24 A					
05-2670 05-2680 AIP Miscellaneo 05-2710 AIP Auxiliary PI 05-2760	Existing onshore crane replacement works at Portion 2 Iant Systems (2.16) Maintenance workshops (2.16.01)	90	90	0% 31-Aug-24	_	30-Apr-24 28-Jul-2			
05-2670 05-2680 <b>AIP Miscellaneo</b> 05-2710 <b>AIP Auxiliary PI</b> 05-2760 05-2770	Existing onshore crane replacement works at Portion 2 Iant Systems (2.16) Maintenance workshops (2.16.01) Vehicle Fuel Filling Station (2.16.02)	90 90	90 32	0% 31-Aug-24 64.44% 01-Apr-24 A	01-Oct-24	12-Apr-24 13-May	-24 -141		:
05-2670 05-2680 AIP Miscellaneo 05-2710 AIP Auxiliary PI 05-2760	Existing onshore crane replacement works at Portion 2 Iant Systems (2.16) Maintenance workshops (2.16.01) Vehicle Fuel Filling Station (2.16.02) Stores systems (2.16.03)	90	90	0% 31-Aug-24 64.44% 01-Apr-24 A 0% 31-Aug-24	01-Oct-24 28-Nov-24	· ·	-24 -141 24 -114		
05-2670 05-2680 <b>AIP Miscellaned</b> 05-2710 <b>AIP Auxiliary PI</b> 05-2760 05-2770 05-2780	Existing onshore crane replacement works at Portion 2 Iant Systems (2.16) Maintenance workshops (2.16.01) Vehicle Fuel Filling Station (2.16.02) Stores systems (2.16.03)	90 90 90	90 32 90	0%         31-Aug-24           64.44%         01-Apr-24 A           0%         31-Aug-24           0%         06-Jun-22 A	01-Oct-24 28-Nov-24 03-Jan-25	12-Apr-24         13-May           09-May-24         06-Aug           19-Jul-24         20-Dec	-24 -141 24 -114 24 -14		
05-2670 05-2680 AIP Miscellaneo 05-2710 AIP Auxiliary PI 05-2760 05-2770 05-2780 AIP O&M Packa 05-8010(6E) 05-8020(6E)	Existing onshore crane replacement works at Portion 2 Iant Systems (2.16) Maintenance workshops (2.16.01) Vehicle Fuel Filling Station (2.16.02) Stores systems (2.16.03)  ages Warehouse (0&M Scope) Workshop (0&M Scope)	90 90 90 730 185 150	90 32 90 126 31 31	0%         31-Aug-24           64.44%         01-Apr-24 A           0%         31-Aug-24           06-Jun-22 A         06-Jun-22 A           83.24%         04-Jul-22 A           79.33%         04-Jul-22 A	01-Oct-24           28-Nov-24           03-Jan-25           30-Sep-24           30-Sep-24	12-Apr-24         13-May           09-May-24         06-Aug           19-Jul-24         20-Dec           19-Jul-24         18-Aug           19-Jul-24         18-Aug	.24     .141       24     .114       24     .144       24     .14       24     .43       24     .43		
05-2670 05-2680 AIP Miscellaneo 05-2710 AIP Auxiliary PI 05-2760 05-2770 05-2780 AIP O&M Packa 05-8010(6E) 05-8020(6E) 05-8030(6E)	Existing onshore crane replacement works at Portion 2 Iant Systems (2.16) Maintenance workshops (2.16.01) Vehicle Fuel Filling Station (2.16.02) Stores systems (2.16.03) Igges Warehouse (0&M Scope)	90 90 90 730 185	90 32 90 126 31	0%         31-Aug-24           64.44%         01-Apr-24 A           0%         31-Aug-24           06-Jun-22 A         06-Jun-22 A           79.33%         04-Jul-22 A           21.25%         06-Jun-22 A	01-Oct-24           28-Nov-24           03-Jan-25           30-Sep-24           30-Sep-24           03-Jan-25	12-Apr-24         13-May           09-May-24         06-Aug           19-Jul-24         20-Dec           19-Jul-24         18-Aug           19-Jul-24         18-Aug	-141       24     -141       24     -114       24     -14       24     -43       24     -43       24     -14		

3-Month	Rolling	Programme	(August 2024)
PAGE 1 OF	16		

Critical Remaining Work 🔶 ♦ Milestone

• Critical Milestone

Management Fac	o. EP/SP/66/12 cilities, Phase 1		現境保護署 Invironmental Protection Department
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stantial Completion of the Work			
stantial Completion of the Work			
on 4 (EC No. 040)			
		Possession of Por	tion 6
EPD			
			Re-Submission of Issuance of Temp
			General Building Plans and FSI
			Plans and FSI Provision Design Submission to F
Submission of Revised FER (co	mment by FSD in Nov 2023)		
		and approval of Gene	ral Building Plan
	<ul> <li>Approval of</li> </ul>	General Building Plar	is and FSI Provision Design Submission
		Application	Completion of FSI Installations for IWI     for FSI inspection     FSD Process Application
			FSD Initial In
nencement of Works Involving Ir	stallation or Maintenance		
	Process Building & Wastewater Turbine Hall Building Compressor & CCCW Building	Treatment Plant	
	Chimney Mechanical Treatment Plant & Reception Pavilion	Water Treatment Plan	
	Administration Building and Vie Elevated Drive Way and Associ		
	IWMF Substation ACC Equipment Structure		
	LV and Emergency Power Distrib	ution Design	
		v	ater Tanks (2.10.04.05)
			(
			•
	Vehicle Fuel Filling Station (2.	.16.02)	
	Warehouse (O&M Scope) Workshop (O&M Scope)		
Actrual Mileston	e		

	Activity Name		Remaining		Current Finis	Late Start	Late Finish		M81 Remarks	Aug	grated Waste Manage
5.2450	Seawall design (2.2.20)	Duration	Duration	Complete 66.67% 20-Jan-19 A	10 Con 24	10 Apr 24	00 May 24	Float		81	82
5-3450 5-3470	Seawali design (2.2.20) Berth design (2.2.22)	60	20 15	75% 30-Jan-19 A		02-May-24	08-May-24 16-May-24	-134 -121			Berth de
5-3470-1(M37)	Mooring Dolphins	55	55	0% 31-Aug-24		30-Apr-24		-123	Change Lag to Successor 09-4000(6G)		
- 2400	Orachara anna Eanith (2.2.20)	(0	15	74 170/ 01 5-5 04 4	15 0 -= 04	20 1-1-24	14 4		from FS0 to SS14		Onsho
5-3480 5-3490	Onshore crane Facility (2.2.23) Onshore vessel power supply system (2.2.24)	60 90	15 59	74.17% 01-Feb-24 A 34.44% 29-Feb-24 A	· ·		14-Aug-24 11-Dec-24	-31 44			
	Plant Buildings (2.3)	1217	90	30-Sep-20 A		06-Apr-24		145			
	strumentation works design (2.3.15)	1034	45	30-Sep-20 A	14-Oct-24	20-Apr-24	20-Sep-24	-24			
	ocess Island) (2.3.15.02)	105	30	12-Jul-21 A			19-May-24				
05-7400-1(M55)	Electrical works CEMS and Process Analyzers (2.3.15.02.07)	105	30 30		· ·		-				
05-3390-4(M46)	Generator Related Equipment (2.3.15.03.08)	105	30	29-Jun-21 A 71.43% 29-Jun-21 A		-		-101 -101			
	nent System (2.3.15.04)	972	45			5		-24			
05-5400-1(M22)	Automatic Traffic Control System (ATCS)	90	45	50% 14-Jun-23 A		•		-24			
2.3.15.04.03 2.3.15.04.03.02		105 105	29 29	02-Aug-22 A 02-Aug-22 A		21-Apr-24 21-Apr-24	19-May-24 19-May-24	-132 -132			
05-3390-13(M58)	OMS/SCADA/DCS - Panel Design for Power Island and Plant Common (2.3.15.04.03.02)	105	29	5		21-Apr-24	,	-132			
2.3.15.04.06 05-3390-9(6D)	Process Related 3rd Party System (2.3.15.04.06.01.01)	105 105	31 31	09-Dec-21 A 70.48% 09-Dec-21 A		29-Apr-24 29-Apr-24	29-May-24 29-May-24	-124 -124			
2.3.15.05		105	31	30-Sep-20 A	30-Sep-24	06-Jul-24	05-Aug-24	-56			
05-3390-4(M55)	Electrical and Instrumentation Works - Waste Crane and Grapple System (2.3.15.05.04)	105	31	70.48% 30-Sep-20 A		06-Jul-24	05-Aug-24	-56			
-	s design (excluding fire services installation design) (2.3.18)	395	90	02-Dec-22 A				-22			
)5-3710 )5-3720	Odour Control Plumbing (7 Packages)	90	90 29	0% 31-Aug-24 67.78% 02-Dec-22 A		09-Aug-24 03-Oct-24	06-Nov-24 31-Oct-24	-22 33			
)5-3750	Lifts and Escalators	90	29	67.78% 13-Jul-23 A			04-May-24	-147			
05-3780	Vehicle & Container Wash System	60	30	50% 28-Apr-23 A	29-Sep-24	10-Apr-24	,	-143			
05-3780-2(M20)	Water Cannon System	90	90	, v	28-Nov-24		21-Oct-24	-38			
-	Drawings and Fire Safety Strategy (2.3.25)	637	62	31-Jul-21 A		23-Apr-24		173			Process
)5-3290 )5-3330	Process Building & Wastewater Treatment Plant Chimney	60	14 28	76.67% 13-Jun-22 A 53.33% 23-May-22 A	· ·	26-Jul-24	22-Aug-24 22-Aug-24	-22 -36			
)5-3340	Elevated Drive Way and Associated Structures	105	62	40.95% 31-Jul-21 A	· ·		22-Aug-24	-70			
05-4170	Administration Building and Viewing Gallery (2.7.21)	60	62	80% 15-Dec-22 A		23-Apr-24		-130			
)5-4800 )5 5140	IWMF Site Wide Architectural Details	105 60	62	40.95% 20-Nov-21 A		20-Feb-25		173			
)5-5160 DA Mechanical 1	Mechanical Treatment Plant & Water Treatment Plant (2.4.25) Treatment Plant Building (2.4)	640	28 151	53.33% 15-Dec-22 A 20-Sep-22 A		09-Jun-24 07-Apr-24	_	-83 -176			
5-5190	Electrical and instrumentation works design	121	121	0% 30-Sep-24	28-Jan-25		05-Aug-24		Change Original Duration from 181d to 12		
5-5200	Mechanical works design (2.4.16)	135	31	20% 14-Aug-23 A	30-Sep-24	07-May-24	06-Jun-24	-116			
5-5210	Fire services installation design (2.6.17)	60	29					-84			
	s design (excluding fire services installation design) (2.4.18)	395	37	20-Sep-22 A				-87			Odour C
)5-3870 )5-3900	Odour Control Lighting and small power	90	14 29	84.44% 16-Apr-23 A 67.78% 20-Sep-22 A		,		-97 -79			
)5-3910	Lifts and Escalators	90	37	58.89% 13-Jul-23 A				-95			
DA Wastewater	Treatment Plant (2.5)	821	109	31-May-22 A	17-Dec-24	19-Feb-24	19-Feb-25	64			
5-3950	Electrical and instrumentation works design (2.5.15)	60	14	20% 19-Sep-22 A		-	-				Electrica
5-3960	Mechanical works design (2.5.16) (5 Packages)	232	109	35% 31-May-22 A				-194			
building services	s design (excluding fire services installation design) (2.5.18) Odour Control	427 90	45 45	20-Sep-22 A 50% 08-Jan-24 A				128 -8			
)5-4010	Plumbing	90	30	66.67% 20-Sep-22 A		-		143			
DA Water Treatm	nent Plant Building (2.6)	267	109	11-Apr-22 A			18-Oct-24	-60			
5-4090	Mechanical works design (2.6.16)	90	41	30% 02-May-22 A	10-Oct-24	02-Jul-24	11-Aug-24	-60			
	strumentation works design (2.6.15)	238	109	11-Apr-22 A				-60			
)5-4080	Water Treatment Plant (WTP) - Variable Speed Drive (2.6.15.01)	238 395	109 37	25% 11-Apr-22 A					Remove Actual Finish Date		
	on Building (2.7) Electrical and instrumentation works design (2.7.13)	60		02-Dec-22 A				-95 -100			
5-4200 5-4210	Fire services installation design (2.7.13)	60	20 30	66.67% 02-Dec-22 A 50% 09-Mar-23 A		-		- 100			
	s design (excluding fire services installation design) (2.7.15)	90	37			-		-95			
05-4280	Lifts and Escalators	90	37	58.89% 13-Jul-23 A	06-Oct-24	28-May-24	03-Jul-24	-95			
DA IWMF Substa	ation (2.8)	90	0	16-Oct-21 A	31-Aug-24	07-Jun-24	07-Jun-24	-84			
	strumentation works design (2.8.15)	90	0		, v			-84			
2.8.15.06	Electrical en directorementation unale design (0.0.45.07.04.14.10)	90	0		•			-84			Electrical and instrumentation v
05-4320	Electrical and instrumentation works design (2.8.15.06.01 to 40)	90 274	0 90	100% 16-Oct-21 A 13-Jul-23 A	-			-84 -60			
DA Chimney	s design (excluding fire services installation design)	274	90					-60			
05-6010(5a)	MVAC	60	60	0% 31-Aug-24			07-Sep-24				
)5-6020-1(5a)	Plumbing	90	90	0% 31-Aug-24	28-Nov-24		29-Sep-24	-60			
)5-6050-1(5a)	Lít	90	37	58.89% 13-Jul-23 A				-95			
	ve Way and Associated Structures Foundation	60	30	24-Apr-23 A			-	-38			
5-5540-3(6D)	Fire services installation design	60	30 30	50% 24-Apr-23 A			-	-38			
DA Reception Pa		90		15-Dec-22 A				-115			
5-3280 <mark>DA Roads and U</mark>	Foundation Design	90 1079	30 105	66.67% 15-Dec-22 A 13-Jan-21 A		-		-115 553			
	works layout on the Artificial Island (2.10.13)	90	23					9			
95-4480	Road signage and markings	90	23	3		27 Hug-24		1			

3-Month Rolling Progra	mme (August 2024)
PAGE 2 OF 16	

Remaining Work 🔷 🔷 Milestone

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nent Facilities, Phase 1 US	nvironmental Protection Department
Oct 83 wawall design (2.2.20)	Nov 84
n (2.2.22)	
	Dølphins
rane Facility (2.2.23)	nshore vessel power supply system (2.2.24)
Electrical works CEMS and Process Analyzers (2.3.1	5.02.07)
Generator Related Equipment (2.3.15.03.08)	
Automatic Traffic Control S	yştem (ATCS)
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OMS/SCADA/DCS - Panel Design for Power Island an	d Plant Common (2.3.15.04.03.02)
Process Related 3rd Party System (2.3.15.04.06.07	.01)
Electrical and Instrumentation Works - Waste Cran	e and Grapple System (2.3.15.05.04)
Plumbing (7 Packages)	
Lifts and Escalators	
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ding & Wastewater Treatment Plant	
Chimney	Elevated Drive Way and Associated Structures
	Administration Building and Viewing Gallery (2.7.
	<ul> <li>IWMF Site Wide Architectural Details 4(25)</li> </ul>
Mechanical works design (2.4.16)	
Fire services installation design (2.6.17)	
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Lighting and small power Lifts and Escalators	
l instrumentation works design (2.5.15)	
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Fire services installation design (2.7.14)	
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	MVAC
Fire services installation design	
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Road signage and markings	
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l Milestone Milestone	

Severage design on the Artificial Island (2 10 19)         395           09 4400         Contentional Severage (De Weis Severage System)         461           05 4400 0005         Severage System design on the Artificial Island (2 10 15)         668           05 5400 0005         Percent program of Decretion frem Deckmaps (2 10 150)         668           05 5400 0005         Percent program of Decretion frem Deckmaps (2 10 150)         668         70           05 5500 0005         Percent Program of Decretion frem Deckmaps (2 10 150)         70         70         70           05 5500 0005         Percent Word System         669         66         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70         70	23 75% (					1	Float		Aug	
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54-64         Containing Search (Se Mote Search System)         64           64-64/2005         Search Sector (Sector Search System)         68           5130         Search Sector (Sector Sector Sector (Sector Sector)         68           5130         Sector Sector (Sector Sector)         68           5130         Sector Sector (Sector Sector)         68           5130         Prover, Densing Mark Sector         68           5130         Prover, Densing Mark Sector         68           5130         Prover, Densing Sector         68           5140         Prover, Densing Sector         68           5141	32		13-Jan-21 A		31-Mar-24		-30			
64.403 (Sign bet dark Sequent Packarger fory0055.30Sign bet dark Sequence Packarger 2.01.05)055.30Price same Delayser System055.30Price same Delay System Delay System Delay System065.40Siste Ly Wank System065.40Siste Ly Wank System065.40Siste Ly Wank System065.40Siste Ly Wank System065.40Delay Cargo Pack System Delay System Delay System065.40Delay Cargo Pack System065.40Delay Cargo Pack System065.40Delay Cargo Pack System0 </td <td></td> <td></td> <td>14-Mar-23 A</td> <td>· ·</td> <td>31-Mar-24</td> <td></td> <td>-153</td> <td></td> <td></td> <td></td>			14-Mar-23 A	· ·	31-Mar-24		-153			
iranage system design on the Artificial Island (2015)			14-Mar-23 A 13-Jan-21 A	· ·	31-Mar-24 01-Aug-24		-153 -30			
5310         Suffax wate Danger System         00         533           553000000         Product Danger of Querral to Sign on Dark Aftificial Island (2 10 16 0)         100           55301         Frouz Water System         100         100           55302         Frouz Water System         100         100           55303         Frouz Water System         100         100           55303         Frouz Water System         100         100           55303         Frouz Water System System         100         100           55303         Frouz Water System S					28-Mar-24		627			
alter supply system design on the Artificial Island (2.10.16)         B8         116           55:50         Protein Water System         106         1           55:70         Bruyski Water System         106         1           55:70         Bruyski Water System         106         1           55:70         Bruyski Water Tokik         106         1           55:70         Horner System Kondur Control (2.10.16.07)         108         1           55:80         Decord System control (2.10.16.07)         108         1           54:80         Dike Ublikton System control (2.10.16.07)         108         1           54:80         Dike Ublikton System control (2.10.16.07)         108         1           54:80         Sike Ublikton System control (2.10.16.07)         108         1           54:80         Sike Ublikton System control (2.10.16.07)         108         1           54:80			22-Feb-23 A				-156			<b>_</b>
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52:00Proof System909152:00Rativator System909052:00Rativator Investing System909052:00Extern 18 Systems909052:00Extern 18 Systems909052:00:10(2)Extern 18 Systems909052:00:10(2)Chemical and other utilities (21.01.610)1059052:00:10(2)Chemical and other utilities (21.01.610)1059054:00Distribution System concept / schematics801054:00Site Utilities (20.01.60)10010054:00Site Utilities System concept / schematics751054:00Site Utilities System concept / schematics601054:00Site EU Network System concept / schematics601054:00Site EU Network System concept / schematics601054:00Site EU Network System concept / schematics601054:00Diser (10 Street Init1001054:00Diser (10 Street Init1001054:00Diser (10 Street Init1001055:00Street Init Schematics601054:00Diser (10 Street Init Schematics1001054:00External and instem disclaps of thi indiscated Init Init Schematics1001054:00External and instem disclaps of thi indiscated Init Init Schematics1001054:00External and instem disclaps of thi indiscated Init Init Schematics100 <t< td=""><td></td><td></td><td>04-Apr-22 A</td><td></td><td>26-Mar-24</td><td></td><td>-148</td><td></td><td></td><td></td></t<>			04-Apr-22 A		26-Mar-24		-148			
5270         Inguitor System         90         9           5280         Maxae haresing System         90         90           5290         Exemal FS System Sin Forther Control (2.10 h 0.0)         105         90           5290 Chemical socular system in colar control (2.10 h 10)         105         90           5290 Chemical socular system in colar control (2.10 h 10)         106         90           5290 Chemical socular system concrol / schemilis         60         0           4580 Sie Lighting Concrol / Schemilis         60         0           4580 Sie Li Makon System concrol / schemilis         60         0           4600 Sie Li Makon System concrol / schemilis         60         0           4600 Sie Li Makon System concrol / schemilis         60         0           4600 Sie Li Makon System concrol / schemilis         60         0           4600 Fier Vierding System concrol / schemilis         60         0           4600 Fier Vierding System concrol / schemilis         60         0           4600 Fier Vierding System concrol / schemilis         60         0           4600 Fier Vierding System concrol / schemilis         60         0           4600 Fier Vierding System concrol / schemilis         60         0           4600 Fierding Sierding Vierding Vierding Vierding			31-Aug-24 31-Aug-24	13-Dec-24 28-Nov-24	05-Apr-24 26-Mar-24		-148 -158			;
5230Rimsuch mercains system9015790Winer Tanks64015790Definer JF Systems64015790System for assame table (2.10.16.0)16615303(16.0)Chernical socutors system for advancement (2.10.16.1)16815303(17.0)Sile Lighting Concept / Schemaliss64016400Lighting Phecision System accept / schemaliss7516400Sile Lighting Concept / Schemaliss7516400Sile Lighting Concept / Schemaliss64016400Sile Lighting Concept / Schemaliss64016400Sile Lighting Concept / Schemaliss64016400Sile Lighting Concept / Schemalis64016400Full Harding System accept / schemalis64016400Design of Paper / Ullites Traches concept7816400Design of Paper / Ullites Traches concept7816400Sile Lighting Traches concept7816400Design of Paper / Ullites Traches concept7816400Design of Paper / Ullites Traches concept7816400Design of Paper / Ullites Traches concept7817410Edermal and inimum Intrahe design for full harding (21.10.6)7817420Edermal and inimum Intrahe design for full harding (21.10.6)7817430Edermal and inimum Intrahe design for full harding (21.10.6)7817440Edermal and			•	28-Nov-24	26-Mar-24		-158			
S200Dearn of S Systems(%)(%)S200 (MA)Even Jack System for obsender hilde (2.10.16)(%)(%)S200 (MA)Chenical souther system for obsender control (2.10.16.10)(%)(%)S200 (MA)Sub Upitrol Concept / Silematics(%)(%)44:00Chenical souther system concept / schematics(%)(%)45:00Sile Upitrol Concept / Silematics(%)(%)46:00Sile Upitrol Concept / Silematics(%)(%)46:00Sile Upitrol Silematics(%)(%)46:00Sile UN Marko, System - Control Silematics(%)(%)46:00Sile UN Marko, System - Control Silematics(%)(%)46:00Line wavee transmission of F 3 dec Intik(%)(%)46:00Line wavee transmission of F 3 dec Intik(%)(%)46:00Line wavee transmission of F 3 dec Intik(%)(%)46:00Line wavee transmission of F 3 dec Intik(%)(%)47:00External and internal finiches design for inclination Paint Building (21.150.1)(%)(%)47:00External and internal finiches design for inclination Paint Building (21.110.1)(%)(%)47:00External and internal finiches design for throatenen Paint Building (21.110.1)(%)(%)47:00External and internal finiches design for throatenen Paint Building (21.110.1)(%)(%)47:00External and internal finiches design for throatenen Paint Building (21.10.1)(%)(%)47:00External and internal			-	28-Nov-24	26-Mar-24	23-Jun-24	-158			
5500.1(M2)         EMA system for sizewater index (2.10.10)         105         105           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         106         1           sign of felecommunication and other utilities (2.10.10)         107         1           sign other utilities (2.10.1				28-Nov-24	25-Apr-24		-158			
53003(s)         Chemical subsers system for obus control (2 10 14 10)         105         11           sign of lectcommunication and other utilities (2 10.18)         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400			31-Aug-24 04-Apr-22 A	29-Oct-24	25-Apr-24 10-Jun-24		-128 -82			
460         Point Distilution System concept / Schematics         60         1           4400         Upting Protecting System concept / Schematics         80         1           4400         Upting Protecting System Concept / Schematics         75         1           5440         Stip LU Markork System - Communications System concept / Schematics         75         1           5440         Stip LU Markork System - Narvig System concept / Schematics         60         1           5440         Microave transmission of FS dirct III.         75         1           5440         Microave transmission of FS dirct III.         76         1           5440         Design of Flips / Utilius Terches concept         90         1           5440         Design of Flips / Utilius Terches concept         90         1           5440         Design of Flips / Utilius Terches concept         90         1           5447         Design of flips / Utilius Terches Concept         90         1           5447         Design of flips / Utilius Terches Concept         90         1           5447         Design of flips / Utilius Terches Concept         90         1           5447         Design of flips / Utilius Terches Concept         90         1           5447         Design				13-Dec-24	05-Apr-24		-148			
460         Shi Lighting Production System concept / schematics         80         1           460         Lighting Production System concept / schematics         76         1           460         Shi E LV Metor, System - Socially Systems concept / schematics         76         1           460         Shi E LV Metor, System - Navigotion adia concept / schematics         60         1           460         Microwave traumission of S dir Link         60         1           460         Design of Pipe / Liftics Tranches concept         60         1           5060         Sivetic Ullits Tranches concept         60         1           5060         External and internal finiches design for Indirectation Plant Building (21.1150)         90         1           670         External and internal finiches design for Indirectation Plant Building (21.116)         60         1           6710         External and internal finiches design for Indirectation Plant Building (21.116)         60         1           6720         External and internal finiches design for Indirectation Plant (21.17)         60         1           6730         External and internal finiches design for Indirectation Plant (21.17)         60         1           6740         External and internal finiches design for Indirectation Plant (21.17)         60         1	80	80 14	14-Jun-22 A	18-Nov-24	11-Apr-24	10-Jul-24	-131			
4400         Liphting Protection System communications System concept / schematics         75         75           4400         Site ELV Network System - Security Systems concept / schematics         76         75           4400         Site ELV Network System - Security Systems concept / schematics         760         75           4400         Site ELV Network System - Security Systems concept / schematics         760         760           4450         Design of Pipe / Uillies Trenches concept         760         760           5500         Design of Pipe / Uillies Trenches concept         760         760           5500         Stewide Uillies Trenches Concept         760         760           44700         External and internal finiches design for fricriention Plant Building (211150)         760         760           4470         External and internal finiches design for MP Plant Building (21116)         760         760           4730         External and internal finiches design for MP Plant Building (211160)         760         760           4740         External and internal finiches design for MP Plant Building (21117)         660         760           4750         External and internal finiches design for MP Plant Building (211160)         760         760           4760         External and internal finiches design for MPart Plant Building (211170) </td <td>60 0% 3</td> <td>60 0% 3</td> <td>31-Aug-24</td> <td>29-Oct-24</td> <td>11-Apr-24</td> <td></td> <td>-142</td> <td></td> <td></td> <td></td>	60 0% 3	60 0% 3	31-Aug-24	29-Oct-24	11-Apr-24		-142			
4400         Sie EU/ Network System - Communicators System concept / schematics         75         1           4430         Sie EU/ Network System - Sourty Systems concept / schematics         66         6           4440         Micrower transmission of 5 affect Ink         66         6           4440         Micrower transmission of 5 affect Ink         660         6           5040         Design of Pise (Tillines Tranches concept         790         6           5050         Sitewide Utilities Tranches concept         790         6           5040         Design of Pise (Tillines Tranches concept         790         6           6470         External and intermal finiches design for transmittom Park Buding (2.111.50)         790         6           6470         External and intermal finiches design for Microwatino Park Buding (2.111.60)         60         6           7470         External and intermal finiches design for Microwatino Park Buding (2.111.60)         60         6           7470         External and intermal finiches design for Microwatino Park Buding (2.111.70)         60         6           7470         External and intermal finiches design for Microwatino Park Buding (2.111.70)         60         6           7470         External and intermal finiches design for Microwatino Park Buding (2.111.70)         60         6			31-Aug-24	18-Nov-24	22-Apr-24			Update Original Duration from 90d to 80d		:
4400         Sile ELV Mehord. System - Sourcipt System score opt / schemalics         16           4430         Sile ELV Mehord. System - Novigation alds core opt / schemalics         166           4430         Fuel Hamiling System concept / schemalics         160           4430         Design of Pop / Lillies Trenches concept         90         12           5500         Design of Pop / Lillies Trenches concept         90         12           5500         Standed Ultitlies Trenches concept         90         12           470         Ederation and internal finishes design         900         12           470         Ederation and internal finishes design be traineration Part Building (21.116)         900         12           4730         Ederation and internal finishes design be traineration Part Building (21.116)         900         12           4740         Ederation and internal finishes design be traineration Part Building (21.116)         60         12           4740         Ederation and internal finishes design be traineration Part Building (21.116)         900         12           4750         Ederation and internal finishes design be traineration Part Building (21.116)         60         12           4750         Ederation and internal finishes design be traineration Part Building (21.116)         160         12           4750			31-Aug-24 16-Aug-22 A		22-Apr-24 11-Jun-24		-131 -81	Update Original Duration from 90d to 80d		:
4430         SHE ELY Mehord: System - Nerrginor aits concept / schematics         640           4640         Microwave transmission of F S dired Int.         640           4640         Design of Pg/ Hilles Trenches concept         99           5300         Design of Pg/ Hilles Trenches Concept         90           5301         Stewide Uitties Trenches Design         701           4701         External and internal finibies design for Incincation Plant Building (2.11 15 01)         700           4702         External and internal finibies design for Incincation Plant Building (2.11 15 01)         60           4703         External and internal finibies design for Neorgion Pavilon (2.11 00)         60           4704         External and internal finibies design for Neorgion Pavilon (2.11 00)         60           4703         External and internal finibies design for Neorgion Pavilon (2.11 00)         60           4704         External and internal finibies design for Neorgion Pavilon (2.11 00)         60           4705         External and internal finibies design for Neorgion Pavilon (2.11 00)         60           4706         External and internal finibies design for Neorgion Pavilon (2.11 00)         60           4706         External and internal finibies design for Neorgion Pavilon Pavilon (2.11 00)         60           4705         External and internal finibies design fo			14-Jun-22 A		11-Jun-24		-81			
1450         Full Handling System concept / schemalics         90           1011 duct/SPipe/bridges design (2 10 26)         90           5504         Design of Pipe / Unillies Trenches concept         90           5505         Site-dide Unillies Trenches Design         90         10           1506         External and internal finishes design for Increation Plant Building (2 11.1501)         90         10           1720         External and internal finishes design for Increation Plant Building (2 11.16)         60         10           1730         External and internal finishes design for Increation Plant Building (2 11.16)         60         10           1740         External and internal finishes design for INP Plant Building (2 11.10)         60         10           1740         External and internal finishes design for the Water Treatment Plant Building (2 11.10)         60         10           1740         External and internal finishes design for the Water Toatment Plant Building (2 11.10)         60         10           1740         External and internal finishes design for Water Teatment Plant Building (2 11.10)         60         10           1740         External and internal finishes design for Elevaled Diveway         90         10           1747         Maternal finishes design for Unitors and Building (2 11.10)         60         10				29-Oct-24	12-May-24		-111			1
Ity ducts/Pipebridges design         (210.26)         90           5040         Design of Pipe / Ullities Ternches concept         90         91           5050         Stewide Ullities Ternches concept         90         91           Architectural, Finishes and Landscaping Works (2.11)         911         91           4700         External and internal finishes design for Incinonation Plant Building (2.11.1501)         90         91           4720         External and internal finishes design for Incinonation Plant Building (2.11.160)         90         91           4720         External and internal finishes design for Reception Pavilon (2.11.16)         90         91           4740         External and internal finishes design for the Water Treatment Plant Q.11.17)         60         91           4740         External and internal finishes design for External and internal finishe			22-Aug-22 A		08-Jul-24		-54			Microwave transmis
3040         Design of Pipe 1 Utilities Trenches concept.         90         1           5500         Silewide Utilities Trenches Design         90         90           4Architectural, Finishes and Landscaping Works (2.11)         90         90           4700         External and internal finishes design for Incineation Plant Building (2.11.1501)         90         90           4700         External and internal finishes design for Incineation Plant Building (2.11.16)         60         90           4730         External and internal finishes design for MT Plant Building (2.11.16)         60         90           4740         External and internal finishes design for the Water Treatment Plant Building (2.11.10)         60         90           4740         External and internal finishes design for the Water Treatment Plant Building (2.11.10)         60         90           4740         External and internal finishes design for the Water Treatment Plant Building (2.10.10)         60         90           4740         External and internal finishes design for Elevated Driveway         90         90           4740         External and internal finishes design for Water Teatment Plant (2.11.10)         90         90           47480         External and internal finishes design for Water Teatment Plant (2.11.10)         90         90         90         90         90         <			•	29-Oct-24 22-Sep-24			-124 -177			
5500         Shewde Utilities Trenches Design         90         91           A Architectural, Finishes and Landscaping Works (2.11)         91         91           1470         External and internal finishes design for incineration Plant Building (2.11.15.01)         90         91           1472         External and internal finishes design for Incineration Plant Building (2.11.15.01)         90         91           1473         External and internal finishes design for IN Plant Building (2.11.17)         60         91           1474         External and internal finishes design for IN Plant Building (2.11.09)         60         91           1476         External and internal finishes design for IN Plant Building (2.11.09)         60         91           1476         External and internal finishes design for IN Plant Building (2.11.09)         60         91           1476         External and internal finishes design for IN Plant Building (2.11.09)         60         90           1478         Candes Zanue Maintarian Building and Viewing Galery (2.71.20)         60         90         90           1478         External and internal finishes design for IN Plant Building (2.11.90         90         90         90           1478         Candes Zanue Maintarian Building and Viewing Galery (2.71.20)         60         90         90         90         90				22-Sep-24	07-1Mar-24		-177			
A Architectural, Finishes and Landscaping Works (2.11)         791           detrail and internal finishes design to incineration Plant Building (2.11.1501)         90           5470         External and internal finishes design for Incineration Plant Building (2.11.1501)         90           54730         External and internal finishes design for INC Plant Building (2.11.10)         60           54730         External and internal finishes design for INC Plant Building (2.11.10)         60           54750         External and internal finishes design for the Water Treatment Plant Building (2.11.09)         60           54760         External and internal finishes design for the Water Treatment Plant Building (2.11.09)         60           5470         External and internal finishes design for The Water Treatment Plant Building (2.11.09)         60           5470         External and internal finishes design for The Water Feature (2.11.9 (0.10)         60           64800(0)         Reception Pavilon (2.314.07.01)         60         60           58040(0)         Reception Pavilon (2.314.07.01)         60         60           68040(0)         Reception Pavilon (2.314.07.01)         60         60           68040(0)         Reception Pavilon (2.314.07.01)         60         60           68040(0)         Reception Pavilon (2.314.07.01)         60         60         60 </td <td></td> <td></td> <td></td> <td>22-Sep-24 22-Sep-24</td> <td>07-Mar-24</td> <td></td> <td>-177</td> <td></td> <td></td> <td></td>				22-Sep-24 22-Sep-24	07-Mar-24		-177			
470         External and internal finishes design for incineration Plant Bulding (21.11.50.1)         90         1.1           4720         External and internal finishes design for Reception Pavilion (21.11.0)         90         1.1           4730         External and internal finishes design for INP Part Bulding (21.11.0)         60         1.1           4740         External and internal finishes design for the Wastewater Treatment Plant (2.11.7)         60         1.1           4750         External and internal finishes design for the Wastewater Treatment Plant (2.11.7)         60         1.1           5430         External and internal finishes design for Evalued Driveway         90         1.1           5430         External and internal finishes design for Water Feature (2.11.19.01)         60         60           cades Extructural Dressin         400         60         60         60           cade Structural Dressin         400         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60			15-Jun-21 A		12-Apr-24		85			
420         Edernal and internal finishes design for Reception Pavilion (2.11.01.05)         90         1           4730         External and internal finishes design for MP ant Building (2.11.10)         60         0           4740         External and internal finishes design for the Wastewart Freatment Plant Building (2.11.08)         60         0           4740         External and internal finishes design for the Wastewart Freatment Plant Building (2.11.08)         60         0           5430         External and internal finishes design for Elevated Divewary         90         0           6406(b)         Reception Pavilon (2.3.14.07.01)         105         0           64040(b(b)         Reception Pavilon (2.3.14.07.01)         90         0         0           64040(b(b)         Reception Pavilon (2.3.14.07.01)         90         0         0           64040(b(b)         Reception Pavilon (2.3.14.07.01)         90         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	29	29 1	15-Jun-21 A	28-Sep-24	12-Apr-24	30-Sep-24	2			
4-430External and internal finishes design for TP lant Building (21116)(6)(7)4-740External and internal finishes design for the Water Treatment Plant Building (21108)(6)(7)4-750External and internal finishes design for the Mater Treatment Plant Building (21108)(7)(7)5-8430External and internal finishes design for the Mater Treatment Plant Building (21119)(7)(7)6-7760External and internal finishes design for The Mater Treatment Plant Building (21119)(7)(7)6-7870External and internal finishes design for Evel de Driveway(7)(7)(7)6-7870External and internal finishes design for Water Feature (2.11.19.01)(7)(7)(7)6-7870External and internal finishes design for Uzun Design(7)(7)(7)(7)6-7870External and Material multiding Structural Design(7)(7)(7)(7)6-7870External and Material multiding Structural Design of Altar Decoses Island (2.12.09.03.01)(7)(7)(7)(7)(7)6-7870External and Internal finishes design of the waser of the Exployer and wi			19-Sep-22 A	· · ·	10-Jul-24	06-Aug-24	-52			<b>.</b>
4740       External and internal finishes design for the Water Treatment Plant (2.11.17)       60       1         4750       External and internal finishes design for the Water Treatment Plant Budding (2.11.08)       60       1         5430       External and internal finishes design for the Water Treatment Plant Budding (2.11.09)       60       1         5430       External and internal finishes design for Mater Treatment Plant Budding (2.11.19)       00       1         5430       External and internal finishes design for Mater Treatment Plant Budding (2.11.19)       00       1         6406(60)       Roception Pavlin (2.3.14.07.01)       00       0       0         8606(60)       Roception Pavlin (2.3.14.07.01)       00       0       0         8606(60)       Roception Pavlin (2.3.14.07.01)       00       0       0         8606(60)       Sky Deck near Administration Building Structural Design       00       0         8800(60)       Sky Deck near Administration Building Structural Design       00       0         8102(MK)       FAT ot DCS - Software SLI FAT Plant for Process Island (2.12.09.03.01)       105       0         820       Ski Acceptance Tesing plan (2.12.01)       90       0       0         8420       Design of matine wassels for the wand thesing onshore crane replacement works at Portion 2 (2.14.05)			10-Nov-22 A		26-Jul-24	-	-36			
54750         External and internal finishes design for the Water Treatment Plant Building (2.11.08)         66         1           54700         External and internal finishes design for the Administration Building (2.11.09)         60         63           55430         External and internal finishes design for the Verway         700         70           64780         Landscape Masterplan & Landscape Design for Water Feature (2.11.19 01)         700         700           64780         Landscape Masterplan & Landscape Design for Water Feature (2.11.19 01)         700         700           64700         Reception Pavlion (2.3.14.07.01)         700         700         700           8000(6D)         Administration Building Structural Design         700         700         700           8000(6D)         Sky Deck near Administration Building (2.12.09 0.01)         101         700         700           410.2(M55)         FAT of DCS - Software SUL FAT Plant for Process Island (2.12.09 0.01)         100         700         700           4810         System commissioning plan (2.12.10)         700         700         700         700         700           4850         Design of wehicles for MS Ward Ash and Residues delivery (2.13.06)         720         72         72         72         72           4870         Design of vicitors			16-Aug-23 A 06-Jun-23 A		07-Aug-24 02-Sep-24		-24			
5.5430         External and Internal finishes design for Elevated Driveway         90         11           5.4780         Landscape Masterplan & Landscape Design for Water Feature (2.11.9.01)         106           5.4780         Landscape Masterplan & Landscape Design for Water Feature (2.11.9.01)         00         0           5.8040(6D)         Reception Pavilion (2.3.14.07.01)         90         0         0         0           5.8040(6D)         Administration Building and Viewing Gallery (2.7.12.01)         60         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0			16-Aug-23 A		12-Apr-24		-141			
andscaping Works (2.11.21)         105           5-4780         Landscape Masterplan & Landscape Design for Water Feature (2.11.19.01)         105           5-64780         Reception Pavlion (2.3.14.07.01)         00           5-6006(b0)         Administration Building and Viewing Gallery (2.7.12.01)         60           5-6006(b0)         Administration Building and Viewing Gallery (2.7.12.01)         60           5-6006(b0)         Sky Deck near Administration Building Structural Design         90         97           5-6006(b0)         FAT of DCS - Software SLI, FAT Plant for Process Island (2.12.09.03.01)         105         57           5-4810         Site Acceptance Testing pane (2.12.10)         90         97           5-4830         System commissioning plan (2.12.10)         90         97           5-4830         Design of wehcles for MSW and Ash and Residues delivery (2.13.05)         106         11           5-4860         Design of wehcles for MSW and Ash and Residues delivery (2.13.06)         220         22           5-4880         Design of wehcles for MSW and Ash and Residues delivery (2.14.06)         105         11           5-4880         Design of wistors and environmental education facilities (2.14.06)         160         17           5-4880         Design of wistors and environmental education facilities (2.14.06)         160<	29 51.67% 2	29 51.67% 2	21-Sep-23 A	28-Sep-24	09-Jul-24	06-Aug-24	-53			-
Strature					25-Jun-24		-67			
acade Structural Design         303           5-8040(6D)         Reception Pavilion (2.3.14.07.01)         90           5-8040(6D)         Administration Building and Viewing Gallery (2.7.12.01)         60           5-8090(6D)         Sky Deck near Administration Building Structural Design         90           47800         Sky Deck near Administration Building Structural Design         90           4810-2(M55)         FAT of DCS - Software SIL FAT Plant for Process Island (2.12.09.03.01)         105           4820         Sile Acceptance Testing plan (2.12.10)         90           4830         System commissioning plan (2.12.11)         90           4830         Design of vehicles for the Opperation (2.130)         186           AT ansportation         Facilities for the Opperation (2.130)         280           4850         Design of marine vessels for the use of the Employer and visitors (2.13.06)         240         12           4860         Design of visitors and environmental education facilities (2.14.06)         113         11           4870         Process Related CCTV and Existing onshore crane replacement works at Portion 2 (2.14.05)         220         2           4880         Design of visitors and environmental education facilities (2.14.06)         153         11           4890         Covered walkway at passenger berth (2.15.06)					19-Feb-25		173			Landscape Masterpl
Sector Outcome         Sector					19-Feb-25 14-Sep-24		173 85			Lanuscape wasterp
84804(6D)         Administration Building and Viewing Gallery (2.7.12.01)         660           58909(6D)         Sky Deck near Administration Building Structural Design         900           A Testing and Commissioning (2.12)         973         1115           4810-2(MISS)         FAT of DCS- Software Sill. FAT Plant for Process Island (2.12.09.03.01)         900         900           4820         Sile Acceptance Testing plan (2.12.10)         900         900           4830         System commissioning plan (2.12.11)         900         900           A Transportation Facilities for the Operation (2.13)         582         22           4850         Design of vehicles for MSW and Ash and Residues delivery (2.13.05)         240         11           4860         Design of vehicles for the use of the Employer and visitors (2.13.06)         240         12           4860         Design of visitors and environmental education facilities (2.14.06)         153         11           A Miscellaneous         Detailing (2.15)         700         700         700           4890         Covered walkway at passenger berth (2.15.06)         700         700         700         700           4900         Gatehouses (2.15.07)         600         643         700         700         700         700         700 <td< td=""><td></td><td></td><td></td><td>28-Nov-24</td><td></td><td></td><td>85</td><td></td><td></td><td></td></td<>				28-Nov-24			85			
A Testing and Commissioning (2.12)         973         11           4810-2(M55)         FAT of DCS - Software SIL FAT Plant for Process Island (2.12.09.03.01)         105         105           4820         Sile Acceptance Testing plan (2.12.10)         90         91           4830         System commissioning plan (2.12.11)         90         92           A Transportation Facilities for the Operation (2.13)         92         22           4850         Design of whicks for MSW and Ash and Residues delivery (2.13.05)         186         11           4860         Design of marine vessels for the use of the Employer and visitors (2.13.06)         240         11           A Miscellaneous         Works (2.14)         240         22           4870         Process Related CCTV and Existing onshore crane replacement works at Portion 2 (2.14.05)         220         22           4880         Design of visitors and environmental education facilities (2.14.06)         153         11           A Miscellaneous Detailing (2.15)         70         70         70           4900         Covered walkway at passenger berth (2.15.06)         60         64           4910         Weighbridge office (2.15.08)         63         64           4920         Maintenance workshops (2.16.04)         0         71	6 89.89% 0	6 89.89% 0	01-Dec-23 A	06-Sep-24	14-Sep-24	20-Sep-24	15			Administratio
All OccUNSS)         FAT of DCS - Software SLE FAT Plant for Process Island (2.12.09.03.01)         105           4810-2(MISS)         FAT of DCS - Software SLE FAT Plant for Process Island (2.12.09.03.01)         105           4820         Site Acceptance Testing plan (2.12.10)         90           4830         System commissioning plan (2.12.11)         90           A Transportation Facilities for the Operation (2.13)         582         22           4850         Design of vehicles for MSW and Ash and Residues delivery (2.13.05)         186         116           4860         Design of marine vessels for the use of the Employer and visitors (2.13.06)         240         220           4870         Process Related CCTV and Existing onshore crane replacement works at Portion 2 (2.14.05)         220         22           4880         Design of visitors and environmental education facilities (2.14.06)         153         11           A Miscellaneous         Detailing (2.15)         70         70           4890         Covered walkway at passenger berth (2.15.06)         60         64           4910         Weighbridge office (2.15.08)         63         64           A Auxiliary Plant Systems (2.16.04)         0         64           4920         Maintenance workshops (2.16.05)         30         30         30			-		25-Sep-24		25			1
4820         Sile Acceptance Testing plan (2.12.10)         90           4830         System commissioning plan (2.12.11)         90           A Transportation Facilities for the Operation (2.13)         582         2           4850         Design of vehicles for MSW and Ash and Residues delivery (2.13.05)         186         11           4860         Design of marine vessels for the use of the Employer and visitors (2.13.06)         240         2           4870         Process Related CCTV and Existing onshore crane replacement works at Portion 2 (2.14.05)         220         22           4880         Design of visitors and environmental education facilities (2.14.06)         153         11           A Miscellaneous Detailing (2.15)         70         70         70           4890         Covered walkway at passenger berth (2.15.06)         70         70           4900         Gatehouses (2.15.07)         66         63         64           4920         Maintenance workshops (2.16.04)         0         70         71           4920         Maintenance workshops (2.16.04)         0         71         71           4920         Maintenance workshops (2.16.05)         30         71         71           4920         Maintenance workshops (2.16.06)         90         71 <t< td=""><td></td><td></td><td></td><td></td><td>28-Apr-24</td><td></td><td>-69</td><td></td><td></td><td>EAT of</td></t<>					28-Apr-24		-69			EAT of
4830         System commissioning plan (2.12.11)         90           A Transportation         Facilities for the Operation (2.13)         582         2           4850         Design of vehicles for MSW and Ash and Residues delivery (2.13.05)         186         11           4860         Design of marine vessels for the use of the Employer and visitors (2.13.06)         240         11           A Miscellaneous         Works (2.14)         240         22           4870         Process Related CCTV and Existing onshore crane replacement works at Portion 2 (2.14.05)         220         22           4880         Design of visitors and environmental education facilities (2.14.06)         153         11           A Miscellaneous         Detailing (2.15)         70         70         70           4890         Covered walkway at passenger berth (2.15.06)         70         70         70           4900         Gatehouses (2.15.07)         660         63         64           4920         Maintenance workshops (2.16.04)         0         63         64           4920         Maintenance workshops (2.16.05)         30         71         74           4920         Maintenance workshops (2.16.05)         30         71         74           4920         Maintenance workshops (2			19-May-22 A 28-Nov-23 A	· ·	10-May-24 28-Apr-24	19-May-24	-113 -124			FAT of
A TransportationFacilities for the Operation (2.13)58221850Design of vehicles for MSW and Ash and Residues delivery (2.13.05)186111860Design of marine vessels for the use of the Employer and visitors (2.13.06)2401A MiscellaneousWorks (2.14)2402401870Process Related CCTV and Existing onshore crane replacement works at Portion 2 (2.14.05)220221880Design of visitors and environmental education facilities (2.14.06)15311A MiscellaneousDetailing (2.15)7070701890Covered walkway at passenger berth (2.15.06)7070701900Gatehouses (2.15.07)666666A Auxiliary PlantSystems (2.16.04)63661993Vehicle Fuel Filling Station (2.16.05)30577111940Stores systems (2.16.06)90570701940.0Stores systems (2.16.06)9070701940.0Stores systems (2.16.06)9070701940.0Stores systems (2.16.06)9070701940.0Stores systems (2.16.06)9070701940.0Stores systems (2.16.06)181111940.0Stores systems (2.16.06)181111940.0Stores systems (2.16.06)181111940.0Stores systems (2.16.06)181111940.0Stores systems (2.16.06)181111940.0 <td< td=""><td></td><td></td><td>29-Nov-24</td><td></td><td></td><td></td><td>-69</td><td></td><td></td><td></td></td<>			29-Nov-24				-69			
4860         Design of marine vessels for the use of the Employer and visitors (2.13.06)         240         1           A Miscellaneous Works (2.14)         240         220           4870         Process Related CCTV and Existing onshore crane replacement works at Portion 2 (2.14.05)         220         22           4880         Design of visitors and environmental education facilities (2.14.06)         113         113           A Miscellaneous Detailing (2.15)         70         70         70           4890         Covered walkway at passenger berth (2.15.06)         70         70           4900         Gatehouses (2.15.07)         60         60         60           4910         Weighbridge office (2.15.08)         63         64           4920         Maintenance workshops (2.16.04)         0         0           4930         Vehicle Fuel Filling Station (2.16.05)         30         30           4940         Stores systems (2.16.06)         90         11           4940         Stores systems (2.16.06)         90         11           4080RPackages         182         11           8070(6E)         Warehouse (0&M Scope)         181         11           8080(6E)         Workshop (0&M Scope)         181         11           <			30-Jun-23 A			17-Sep-26	532			
A Miscellaneous         Works (2.14)         240         22           4870         Process Related CCTV and Existing onshore crane replacement works at Portion 2 (2.14.05)         220         22           4880         Design of visitors and environmental education facilities (2.14.06)         1153         11           A Miscellaneous         Detailing (2.15)         70         70           4890         Covered walkway at passenger berth (2.15.06)         70         70           4900         Gatehouses (2.15.07)         60         60           4910         Weighbridge office (2.15.08)         63         60           A Auxiliary Plant Systems (2.16)         577         11           4920         Maintenance workshops (2.16.04)         0         0           4930         Vehicle Fuel Filling Station (2.16.05)         30         30         30           4940         Stores systems (2.16.06)         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90	186 0% 3	186 0% 3	30-Sep-24	03-Apr-25	16-Mar-26	17-Sep-26	532	Update Lag from Predecessor		
4870Process Related CCTV and Existing onshore crane replacement works at Portion 2 (2.14.05)2202204880Design of visitors and environmental education facilities (2.14.06)115311531153A Miscellaneous Detailing (2.15)7070704890Covered walkway at passenger berth (2.15.06)7070704900Gatehouses (2.15.07)6606636644910Weighbridge office (2.15.08)663663664A Auxiliary Plant Systems (2.16.06771166774920Maintenance workshops (2.16.04)06774930Vehicle Fuel Filling Station (2.16.05)30304940Stores systems (2.16.06)90674940Stores systems (2.16.06)180314940Stores systems (2.16.09)181118070(6E)Warehouse (0&M Scope)181118080(6E)Workshop (0&M Scope)181118090(6E)Ash & Residues Container (0&M Scope)181118110(6E)Other Mobile Plants (0&M Scope)18111					22-May-26		629			
4880         Design of visitors and environmental education facilities (2.14.06)         1153         115           A Miscellaneous Detailing (2.15)         70         70         70           4890         Covered walkway at passenger berth (2.15.06)         70         70         70           4900         Gatehouses (2.15.07)         60         60         60         60           4910         Weighbridge office (2.15.08)         63         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60         60				-	20-Jan-25		149			
A Miscellaneous         Detailing (2.15)         70           -4890         Covered walkway at passenger berth (2.15.06)         70         70           -4900         Gatehouses (2.15.07)         60         60           -4910         Weighbridge office (2.15.08)         63         60           AAuxiliary Plant         Systems (2.16.0)         67         71           -4920         Maintenance workshops (2.16.04)         0         67           -4930         Vehicle Fuel Filling Station (2.16.05)         30         31           -4940         Stores systems (2.16.06)         90         90           -4940-25(5a)         Hoisting systems (2.16.06)         90         90           -4940-25(5a)         Hoisting systems (2.16.00)         180         31           -4940-25(5a)         Hoisting systems (2.16.00)         180         31           -4940-25(5a)         Hoisting systems (2.16.00)         180         31           -6070(6E)         Warehouse (0&M Scope)         181         11           -8070(6E)         Warehouse (0&M Scope)         181         11           -8090(6E)         Ash & Residues Container (0&M Scope)         181         11           -8070(6E)         Other Mobile Plants (0&M Scope)         18				27-May-25 01-Mar-25			149	Update Lag from the Predecessor, Update		
Answer         Covered walkway at passenger berth (2.15.06)         70           -4890         Covered walkway at passenger berth (2.15.06)         60           -4900         Gatehouses (2.15.07)         60           -4910         Weighbridge office (2.15.08)         63           A Auxiliary Plant Systems (2.16)         577         14           -4920         Maintenance workshops (2.16.04)         0         0           -4930         Vehicle Fuel Filling Station (2.16.05)         30         30         30           -4940         Stores systems (2.16.06)         90         0         0         0           -49402(5a)         Hoisting systems (2.16.00)         180         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31	135 070 .	135 070 5	50-50p-24	01-1001-23	20-5411-25	21-5011-25	112	Original Duration from 241d to 153d		
4900         Gatehouses (2.15.07)         60         60           4910         Weighbridge office (2.15.08)         63         60           A Auxiliary Plant Systems (2.16)         577         11           4920         Maintenance workshops (2.16.04)         0         60           4930         Vehicle Fuel Filling Station (2.16.05)         30         30           4940         Stores systems (2.16.06)         90         60           4940-2(5a)         Hoisting systems (2.16.10)         180         31           A O&M Packages         182         11           8070(6E)         Warehouse (0&M Scope)         181         11           8080(6E)         Workshop (0zM Scope)         181         11           8090(6E)         Other Mobile Plants (0&M Scope)         181         11	70 3	70 3	31-Aug-24	08-Nov-24	04-Apr-24	31-Aug-24	-69			
4910         Weighbridge office (2.15.08)         63         63           A Auxiliary Plant Systems (2.16)         577         14           4920         Maintenance workshops (2.16.04)         0         0           4930         Vehicle Fuel Filling Station (2.16.05)         30         30         30           4940         Stores systems (2.16.06)         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         <	70 0% 3	70 0% 3	31-Aug-24	08-Nov-24	14-May-24	22-Jul-24	-109	Change Relationship to Successor 08-2420(7) from FS0 to SS30		
4910         Weighbridge office (2.15.08)         63         63           A Auxiliary Plant Systems (2.16)         577         14           4920         Maintenance workshops (2.16.04)         0         0           4930         Vehicle Fuel Filling Station (2.16.05)         30         30         30           4940         Stores systems (2.16.06)         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         <	60 0% 3	60 0% 3	31-Aug-24	29-Oct-24	03-Jul-24	31-Aug-24	-59			
Arrent of static position (216,04)         0           -4920         Maintenance workshops (2.16,04)         0           -4930         Vehicle Fuel Filling Station (2.16,05)         0           -4940         Stores systems (2.16,06)         90           -4940.2(5a)         Hoisting systems (2.16,10)         180           AO &M Packages         182         182           -8070(6E)         Warehouse (0&M Scope)         181           -8080(6E)         Workshop (0&M Scope)         181           -8090(6E)         As & Residues Container (0&M Scope)         181           -8110(6E)         Other Mobile Plants (0&M Scope)         181			-	01-Nov-24		0	-149			-
4930         Vehicle Fuel Filling Station (2.16.05)         30         30           4940         Stores systems (2.16.06)         90         90           4940-2(5a)         Hoisting systems (2.16.10)         180         180           A O&M Packages         182         182           8070(6E)         Warehouse (0&M Scope)         181         181           8080(6E)         Workshop (0&M Scope)         181         181           8090(6E)         Ash & Residues Container (0&M Scope)         181         181           8110(6E)         Other Mobile Plants (0&M Scope)         181         181	180	180 24	24-May-23 A	26-Feb-25	14-Apr-24	04-Nov-24	-114			
4940         Stores systems (2.16.06)         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90 <th< td=""><td></td><td></td><td></td><td>29-Nov-24</td><td>28-Jul-24</td><td></td><td>-123</td><td></td><td></td><td></td></th<>				29-Nov-24	28-Jul-24		-123			
4940-2(5a)         Hoisting systems (2.16.10)         180         180           A O&M Packages         182         141           8070(6E)         Warehouse (0&M Scope)         181         111           8080(6E)         Workshop (0&M Scope)         181         111           8090(6E)         Workshop (0&M Scope)         181         111           8090(6E)         Ash & Residues Container (0&M Scope)         181         113           8110(6E)         Other Mobile Plants (0&M Scope)         181         114	30 0% 0	30 0% 0	02-Sep-24	01-Oct-24	14-Apr-24	13-May-24	-141	Update Lag from Predecessor 05-2770 from FS-7 to FF0		
A O&M Packages         182         113           8070(6E)         Warehouse (0&M Scope)         181         114           8080(6E)         Workshop (0&M Scope)         181         114           8090(6E)         Ash & Residues Container (0&M Scope)         181         114           8010(6E)         Other Mobile Plants (0&M Scope)         181         114	90 0% 2	90 0% 2	29-Nov-24	26-Feb-25	07-Aug-24	04-Nov-24	-114			
3070(6E)         Warehouse (O&M Scope)         181           3080(6E)         Workshop (O&M Scope)         181           3090(6E)         Ash & Residues Container (O&M Scope)         181           3110(6E)         Other Mobile Plants (O&M Scope)         181			24-May-23 A		05-Oct-24		35			
N080(6E)         Workshop (O&M Scope)         181         111           N090(6E)         Ash & Residues Container (O&M Scope)         153         111           N110(6E)         Other Mobile Plants (O&M Scope)         181         111				30-Mar-25	•	15-Feb-25	-43			
8090(6E)         Ash & Residues Container (O&M Scope)         153         11           8110(6E)         Other Mobile Plants (O&M Scope)         181         14			01-Oct-24 01-Oct-24	30-Mar-25 30-Mar-25		15-Feb-25 15-Feb-25	-43 -43			
8110(6E)         Other Mobile Plants (O&M Scope)         181         181				01-Mar-25		15-Feb-25 15-Feb-25		Update Lag fron Predecessor; Update		
								Original Duration		
					19-Aug-24			Update Lag fron Predecessor		
			<u> </u>		10-Feb-24					
ite Fabrication of Incineration Modules 972 1	1/5	175 2	22-May-22 A	21-Feb-25	23-Apr-24	21-Oct-24	-123			

		境保護署 ivironmental Protection Department
110111 F 202	cilities, Phase 1 U	-
Roads and h	Oct 83 ardstandings layout	Nov 84
rage	Site Wide Sewerage System) Ship-to-shore Sewage Transfer System for Passen	ger Ferry
ce water Draina	ge System Pipework Design and Operation for Brine Discharge	2.10.15.05)
for seawater in	ake (2.10.16.07)	iternal FS Systems
	р	wer Distribution System concept / schematics Site Lighting Conc Lightning Protectic
		oncept / schematics
	e / Utilities Trenches concept fiés Trenches Design	
Extension Extens	rnal and internal finishes design for Incineration Plant rnal and internal finishes design for Reception Pavilio tternal and internal finishes design for MT Plant Buildin tternal and internal finishes design for the Wastewater tternal and internal finishes design for the Water Treatr tternal and internal finishes design for the Administratio tternal and internal finishes design for Elevated Drivew	(2.11.01.05) g (2.11.16) Treatment Plant (2.11.17) nent Plant Building (2.11.08) n Building (2.11.19)
ape Design for	Water Feature (2.11.19.01)	
d Viewing Galle	ry (2.7.12.01)	
are SIL FAT Pla	nt for Process Island (2.12.09.03.01) Site Act	eptance Testing plan (2.12.10)
		Covered walkway at passenger bert
	G	atehouses (2.15.07) Weighbridge office (2.15.08)
	Vehicle Fuel Filling Station (2.16.05)	1
	Hoisting systems (2.16.10)	
I Mileston		

	Activity Name	Original Duration	Remaining Duration		tivity % Current Star	t Current Finis	h Late Start	Late Finish	Total Float	I M81 Remarks	Aug	ted Waste Manag
brightion of Mode		972				A 21-Feb-25	23-Apr-24	21_Oct_24			81	82
brication of Modu Fab 1- Line 1		809			· · · ·	A 30-Nov-24						
nsulation		698		-7		A 16-Oct-24						
06-TPU-1-1020	PFab 1-Line 1 - Insulation	698			3.27% 23-May-22			30-Sep-24				
Precommissioning		78		2	10-Jun-24 A	A 30-Nov-24	01-Jul-24	30-Sep-24	-61	1		
06-TPU-1-1030	PFab 1-Line 1 - Pre-commissioning	78		_	0% 10-Jun-24 /							
Fab 1- Line 2		854				A 30-Nov-24						
nsulation 06-TPU-2-1010	PFab 1-Line 2 - Insulation	698 698		_	22-May-22 1.26% 22-May-22	A 30-Oct-24		<b>J</b>				
Precommissioning		70		_	22-Sep-24				_			
06-TPU-2-1020	PFab 1-Line 2 - Pre-commissioning	70	70	0	0% 22-Sep-24	30-Nov-24	23-Jul-24	30-Sep-24	-61	1 Change Lag from Predecessor		
		020	15	2	00 May 00	A 20 Int 25	07 14 04	10.0+04	104	06-TPU-2-1010 from FF0 to FF31		
Fab 1- Line 3		830				A 30-Jan-25	-	4 18-Oct-24				
&I Installation Electrical		238				A 31-Dec-24 A 31-Dec-24		4 06-Sep-24 4 06-Sep-24				
06-TPU-3-1270	PFab 1-Line 3 - Electrical Cable Pulling and Termination	180			1.67% 27-May-24							
06-TPU-3-1280	PFab 1-Line 3 - Electrical Equipment Installation	180			4.44% 03-Jun-24 /		,					
Instrument 06-TPU-3-1300	PFab 1-Line 3 - Instrument Cable Pulling and Termination	212		-	27-May-24 1.67% 27-May-24	A 31-Dec-24						
06-TPU-3-1310	PFab 1-Line 3 - Instrument Equipment Installation	180		_	4.44% 03-Jun-24 /		-		_			<u>.</u>
06-TPU-3-1320	PFab 1-Line 3 - Instrument Tubing Installation	180		_	4.44% 03-Jun-24 A		,	-				
nsulation		769			,	A 30-Jan-25						
06-TPU-3-1010	PFab 1-Line 3 - Insulation	769		_	80.1% 23-May-22		,	4 18-Oct-24				
Precommissioning 06-TPU-3-1020	PFab 1-Line 3 - Pre-commissioning	70		-	0% 22-Nov-24	30-Jan-25 30-Jan-25		18-Oct-24 18-Oct-24				
Fab 1- Line 4		858		_		A 30-Jan-25	· ·	4 18-Oct-24	_			
& Installation		238			-	A 31-Dec-24		4 06-Sep-24				
Electrical		238				A 31-Dec-24		4 06-Sep-24				
06-TPU-4-1270	PFab 1-Line 4 - Electrical Cable Pulling and Termination	180		3 3	1.67% 03-Jun-24 A	A 31-Dec-24	07-May-24	4 06-Sep-24	-116	5		
06-TPU-4-1280	PFab 1-Line 4 - Electrical Equipment Installation	180		_	4.44% 03-Jun-24 /		-					1
Instrument 06-TPU-4-1300	PFab 1-Line 4 - Instrument Cable Pulling and Termination	180 180	1	-	03-Jun-24 / 1.67% 03-Jun-24 /	31-Dec-24						
06-TPU-4-1310	PFab 1-Line 4 - Instrument Equipment Installation	180		_	4.44% 03-Jun-24 /		-		_			
06-TPU-4-1320	PFab 1-Line 4 - Instrument Tubing Installation	180		_	4.44% 03-Jun-24 A		· ·		_	5		
nsulation		767	153	3	25-May-22	A 30-Jan-25	19-May-24	4 18-Oct-24	-104			
06-TPU-4-1010	PFab 1-Line 4 - Insulation	767		_	0.05% 25-May-22			4 18-Oct-24	_			
Fab 1- Line 5		822				21-Feb-25				3		
&I Installation		224			•	A 10-Feb-25						
Electrical 06-TPU-5-1270	PFab 1-Line 5 - Electrical Cable Pulling and Termination	194 180	1	-	8.89% 14-Aug-24	A 10-Feb-25 A 10-Feb-25				5 Update Actual Start Date		
06-TPU-5-1280	PFab 1-Line 5 - Electrical Equipment Installation	180		_						5 Update Actual Start Date		
Instrument		193		4		A 10-Feb-25		07-Oct-24				
06-TPU-5-1300 06-TPU-5-1310	PFab 1-Line 5 - Instrument Cable Pulling and Termination PFab 1-Line 5 - Instrument Equipment Installation	180		_	8.89% 14-Aug-24 6.67% 01-Aug-24					5 Update Actual Start Date 5 Update Actual Start Date		1
06-TPU-5-1320	PFab 1-Line 5 - Instrument Tubing Installation	180		_	6.67% 01-Aug-24					6 Update Actual Start Date		1
nsulation	·····	822		_	ů	A 21-Feb-25			_			
06-TPU-5-1010	PFab 1-Line 5 - Insulation	822	175	5 7	/8.71% 04-Jun-22 /	A 21-Feb-25	30-Apr-24	21-Oct-24	-123	3		
Fab 1- Line 6		848	175	5	08-Jul-22 A	21-Feb-25	23-Apr-24	14-Oct-24	-130	)		
&I Installation		224			°	A 10-Feb-25						
Electrical 06-TPU-6-1270	PFab 1-Line 6 - Electrical Cable Pulling and Termination	194 180	1		01-Aug-24 / 8.89% 14-Aug-24 /	A 10-Feb-25		07-Oct-24		5 5 Update Actual Start Date		
06-TPU-6-1280	PFab 1-Line 6 - Electrical Cable Fulling and Termination PFab 1-Line 6 - Electrical Equipment Installation	180		_	6.67% 01-Aug-24					6 Update Actual Start Date		1
Instrument		193			°	A 10-Feb-25			_			
06-TPU-6-1300	PFab 1-Line 6 - Instrument Cable Pulling and Termination	180		_	8.89% 14-Aug-24					5 Update Actual Start Date		
06-TPU-6-1310	PFab 1-Line 6 - Instrument Equipment Installation	180		_	6.67% 01-Aug-24				_	5 Update Actual Start Date		:
06-TPU-6-1320	PFab 1-Line 6 - Instrument Tubing Installation	180			6.67% 01-Aug-24					5 Update Actual Start Date		1 <mark></mark>
nsulation 06-TPU-6-1010	PFab 1-Line 6 - Insulation	761		_	08-Jul-22 A 77% 08-Jul-22 A	21-Feb-25						
brication of Modu		925		_		A 21-Feb-25						
Fab 2 - Line 1		778		2		A 30-Nov-24						
nsulation		666		7	-	A 16-Oct-24						
06-FGC-1-1130	PFab 2-Line 1 - Insulation	666		_	2.94% 25-May-22							
Precommissioning		78	92	2	10-Jun-24 /	A 30-Nov-24	01-Jul-24	30-Sep-24	-61	1		
06-FGC-1-1190	PFab 2-Line 1 - Pre-commissioning	78	92	2	0% 10-Jun-24 /	a 30-Nov-24	01-Jul-24	30-Sep-24	-61	1		
Fab 2 - Line 2		611		2		4 30-Nov-24						
nsulation		405				A 30-Oct-24		0				
06-FGC-2-1010	PFab 2-Line 2 - Insulation	405		_	4.94% 10-Feb-23			0				
Precommissioning	DEah 2 Lino 2 Dro commissioning	70			22-Sep-24 0% 22-Sep-24	30-Nov-24						
06-FGC-2-1020	PFab 2-Line 2 - Pre-commissioning	70	70	0	070 22-Sep-24	3U-INUV-24	∠3-JUI-24	30-Sep-24	-01	1 Change Lag from Predecessor 06-FGC-2-1010 From FF0 to FF31		
Fab 2 - Line 3		238	123	3	27-May-24	A 31-Dec-24	07-May-24	4 06-Sep-24	-116	5		
&I Installation		238	123	3	27-May-24	A 31-Dec-24	07-May-24	4 06-Sep-24	-116	5		
Electrical		206	123		27-May-24	A 31-Dec-24	07-May-24	4 06-Sep-24	-116	5		
06-FGC-3-1250	PFab 2-Line 3 - Electrical Cable Pulling and Termination	180		_	1.67% 27-May-24		-					
06-FGC-3-1260	PFab 2-Line 3 - Electrical Equipment Installation	180			4.44% 03-Jun-24 /	A 26-Dec-24 A 31-Dec-24	-					

3-Month Rolling Programme (August 2024)
PAGE 4 OF 16

Actual Work Remaining Work

Critical Remaining Work 🔶 ♦ Milestone

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Contract No Management Fac	o. EP/SP/66/12 cilities, Phase 1	F	現境保護署 ivironmental Protection Department
Sep 82	Oct		Nov
82	83		84
	PF	ab 1-Line 1 - Insulatio	n
			PFab 1-Line 2 - Insulation
	PF.	ab 2-Line 1 - Insulatio	ĥ
			DEab 2 Lino 2 Incidition
			PFab 2-Line 2 - Insulation
Actrual Mileston	8		

Critical Milestone

)	Adivity Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finis	n Late Start	Late Finish	Total M81 Remarks Float	Aug	grated Waste Managem
06-FGC-3-1280	PFab 2-Line 3 - Instrument Cable Pulling and Termination	180	123	31.67% 27-May-24 A	31-Dec-24	07-May-24	06-Sen-24		81	82
06-FGC-3-1290	PFab 2-Line 3 - Instrument Equipment Installation	180	123	34.44% 03-Jun-24 A		,		-116		
06-FGC-3-1300	PFab 2-Line 3 - Instrument Tubing Installation	180	118	34.44% 03-Jun-24 A	26-Dec-24	07-May-24		-116		
Fab 2 - Line 4		242	153	03-Jun-24 A		07-May-24		-104		
E&I Installation Electrical		180 180	123 123	03-Jun-24 A 03-Jun-24 A		07-May-24 07-May-24	06-Sep-24	-116 -116		
06-FGC-4-1250	PFab 2-Line 4 - Electrical Cable Pulling and Termination	180	123	31.67% 03-Jun-24 A		07-May-24 07-May-24		-116		
06-FGC-4-1260	PFab 2-Line 4 - Electrical Equipment Installation	180	118	34.44% 03-Jun-24 A		07-May-24		-116		
Instrument 06-FGC-4-1280	PFab 2-Line 4 - Instrument Cable Pulling and Termination	180 180	123 123	03-Jun-24 A 31.67% 03-Jun-24 A		07-May-24 07-May-24		-116 -116		
06-FGC-4-1290	PFab 2-Line 4 - Instrument Equipment Installation	180	118	34.44% 03-Jun-24 A		07-May-24		-116		
06-FGC-4-1300	PFab 2-Line 4 - Instrument Tubing Installation	180	118	34.44% 03-Jun-24 A		07-May-24	· ·	-116		
Insulation 06-FGC-4-1010	PFab 2-Line 4 - Insulation	90 90	90 90	02-Nov-24 0% 02-Nov-24	30-Jan-25 30-Jan-25	21-Jul-24 21-Jul-24		-104 -104		
PFab 2 - Line 5	Prau 2-Line 4 - Insulation	847	175		21-Feb-25			-104		
E&I Installation		210	165	01-Aug-24 A				-127		
Electrical		197	165	01-Aug-24 A		26-Apr-24		-127		
06-FGC-5-1250 06-FGC-5-1260	PFab 2-Line 5 - Electrical Cable Pulling and Termination PFab 2-Line 5 - Electrical Equipment Installation	180	165 150	8.33% 14-Aug-24 A 16.67% 01-Aug-24 A		26-Apr-24 26-Apr-24		-127 Update Actual Start Date     -127 Update Actual Start Date		
Instrument		180	165	ů	11-Feb-25		07-Oct-24	-127		
06-FGC-5-1280	PFab 2-Line 5 - Instrument Cable Pulling and Termination	180	165	8.33% 14-Aug-24 A	11-Feb-25	26-Apr-24	07-Oct-24	-127 Update Actual Start Date		
06-FGC-5-1290	PFab 2-Line 5 - Instrument Equipment Installation	180	150	16.67% 01-Aug-24 A		26-Apr-24		-127 Update Actual Start Date		
06-FGC-5-1300	PFab 2-Line 5 - Instrument Tubing Installation	180	150 175	16.67% 01-Aug-24 A 30-Jun-22 A		26-Apr-24 30-Apr-24		-127 Update Actual Start Date -123		
06-FGC-5-1200	PFab 2-Line 5 - Insulation	736	175	76.22% 30-Jun-22 A				-123		
PFab 2 - Line 6		224	174	23-Jun-24 A	20-Feb-25	23-Apr-24	13-Oct-24	-130		
E&I Installation		224	164	01-Aug-24 A		23-Apr-24		-126		
Electrical 06-FGC-6-1260	PFab 2-Line 6 - Electrical Cable Pulling and Termination	<b>194</b> 180	164 164	01-Aug-24 A 8.89% 14-Aug-24 A	10-Feb-25 10-Feb-25	23-Apr-24 27-Apr-24		-126 -126 Update Actual Start Date		
06-FGC-6-1270	PFab 2-Line 6 - Electrical Equipment Installation	180	150	16.67% 01-Aug-24 A		23-Apr-24		-130 Update Actual Start Date		
Instrument		193	164	01-Aug-24 A		23-Apr-24	03-Oct-24	-130		
06-FGC-6-1290 06-FGC-6-1300	PFab 2-Line 6 - Instrument Cable Pulling and Termination PFab 2-Line 6 - Instrument Equipment Installation	180	164 150	8.89% 14-Aug-24 A 16.67% 01-Aug-24 A		23-Apr-24 23-Apr-24		-130 Update Actual Start Date     -130 Update Actual Start Date		1
06-FGC-6-1310	PFab 2-Line 6 - Instrument Tubing Installation	180	150	16.67% 01-Aug-24 A		23-Apr-24 23-Apr-24		-130 Update Actual Start Date		
Insulation		90	174	23-Jun-24 A	20-Feb-25	23-Apr-24	13-Oct-24	-130		
06-FGC-6-1020	PFab 2-Line 6 - Insulation	90	174	0% 23-Jun-24 A				-130 Update Actual Start Date		
ocurement for A		209	56	30-Mar-24 A			30-May-24			
6-1150 6-1170	Factory Acceptance Test (FAT) for ACC-3 Delivery to Site ACC-2	16	35 21	0% 30-Mar-24 A 0% 05-Sep-24	04-Oct-24 25-Sep-24	05-Apr-24 15-Mar-24	09-May-24	-148		
6-1190	Delivery to Site ACC-3	21	21	0% 05-Oct-24	25-Oct-24		30-May-24	-148		
rocurement for C	CCCW Building Equipment	38	21	09-Apr-24 A	20-Sep-24	17-Apr-24	07-May-24	-136		
5-1420-1(1)	Delivery to Site	38	21	50% 09-Apr-24 A			-	-136		Deli
	Mechanical Treatment Plant Building Plant Equipment	61	62	01-May-24 A				-147		
6-1180	Delivery to Site	61 518	62 57	0% 01-May-24 A 01-Sep-22 A		06-Apr-24		-147		
ocurement for v 5-1200-1(1)	Wastewater Treatment Plant Equipment Mechanical Equipment Procurement (Incl. FAT)	210	31	85.24% 01-Sep-22 A		12-May-24		-123		
6-1200-2(1)	Pipe Material Procurement (Incl. FAT)	210	31	85.24% 01-Sep-22 A	· ·	12-May-24		-111		
5-1200-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)	210	31	85.24% 01-Sep-22 A	· ·	12-May-24		-111		
5-1220	Delivery to Site	90	57	36.67% 15-Jan-24 A		30-Apr-24		-123		
	Desal & Demin Plant Equipment	208	31		30-Sep-24					Electrical and
	Electrical and Instrumentation Material Procurement (Incl. FAT) Delivery to Site	<u> </u>	16 31	73.33% 01-Sep-22 A 43.64% 15-Feb-24 A	-	18-May-24 03-May-24		-105 -120		Electrical and
	Delivery to site			43.04% 13-Feb-24 A		16-Apr-24		-136		
5-1260	HV Transformers and Associated Equipment	368	03	01-Jan-23 A						
ocurement for H	HV Transformers and Associated Equipment	368 368	63 63	01-Jan-23 A 01-Jan-23 A		16-Apr-24	18-Jun-24	-136		
6-1240-3(1) 6-1260 Focurement for H Focurement of IS 106-1270(7)	· · ·				02-Nov-24	16-Apr-24 24-Apr-24		-136 -129		
ocurement for H rocurement of IS	IS Limiter	368	63	01-Jan-23 A	02-Nov-24 25-Sep-24		19-May-24			
5-1260 ocurement for H rocurement of IS 16-1270(7) 16-1280(7) 16-1290(7)	IS Limiter IS Limiter Design Approval Manufacturing of IS Limiter Factory Acceptance Test (FAT)	368 4 90 15	63 26 33 15	01-Jan-23 A 0% 01-Jan-23 A 63.33% 31-Dec-23 A 0% 03-Oct-24	02-Nov-24 25-Sep-24 03-Oct-24 18-Oct-24	24-Apr-24 16-Apr-24 20-May-24	19-May-24 19-May-24 03-Jun-24	-129 -136 -136		
5-1260 ocurement for F rocurement of IS 06-1270(7) 06-1280(7) 06-1290(7) 06-1300(7)	S Limiter         IS Limiter Design Approval         Manufacturing of IS Limiter         Factory Acceptance Test (FAT)         Delivery to Site	368 4 90 15 15	63 26 33 15 15	01-Jan-23 A           0%         01-Jan-23 A           63.33%         31-Dec-23 A           0%         03-Oct-24           0%         18-Oct-24	02-Nov-24           25-Sep-24           03-Oct-24           18-Oct-24           02-Nov-24	24-Apr-24 16-Apr-24 20-May-24 04-Jun-24	19-May-24 19-May-24 03-Jun-24 18-Jun-24	-129 -136 -136 -136		
5-1260 ocurement for F rocurement of IS 06-1270(7) 06-1280(7) 06-1290(7) 06-1300(7) ocurement for C	IS Limiter         IS Limiter Design Approval         Manufacturing of IS Limiter         Factory Acceptance Test (FAT)         Delivery to Site         Control SCADA Systems	368 4 90 15 15 21	63 26 33 15 15 21	01-Jan-23 A           0%         01-Jan-23 A           63.33%         31-Dec-23 A           0%         03-Oct-24           0%         18-Oct-24           0%         05-Sep-24	02-Nov-24           25-Sep-24           03-Oct-24           18-Oct-24           02-Nov-24           25-Sep-24	24-Apr-24 16-Apr-24 20-May-24 04-Jun-24 29-Apr-24	19-May-24 19-May-24 03-Jun-24 18-Jun-24 19-May-24	-129 -136 -136 -136 -136 -129		
5-1260 ocurement for F rocurement of IS 16-1270(7) 16-1280(7) 16-1290(7) 16-1300(7) ocurement for C	S Limiter         IS Limiter Design Approval         Manufacturing of IS Limiter         Factory Acceptance Test (FAT)         Delivery to Site	368 4 90 15 15	63 26 33 15 15	01-Jan-23 A           0%         01-Jan-23 A           63.33%         31-Dec-23 A           0%         03-Oct-24           0%         18-Oct-24	02-Nov-24           25-Sep-24           03-Oct-24           18-Oct-24           02-Nov-24           25-Sep-24	24-Apr-24 16-Apr-24 20-May-24 04-Jun-24	19-May-24 19-May-24 03-Jun-24 18-Jun-24 19-May-24	-129 -136 -136 -136 -136 -129		
6-1260 ocurement for H rocurement of IS 6-1270(7) 6-1280(7) 6-1280(7) 6-1300(7) ocurement for C 6-1340	IS Limiter         IS Limiter Design Approval         Manufacturing of IS Limiter         Factory Acceptance Test (FAT)         Delivery to Site         Control SCADA Systems	368 4 90 15 15 21	63 26 33 15 15 21	01-Jan-23 A           0%         01-Jan-23 A           63.33%         31-Dec-23 A           0%         03-Oct-24           0%         18-Oct-24           0%         05-Sep-24	02-Nov-24           25-Sep-24           03-Oct-24           18-Oct-24           02-Nov-24           25-Sep-24           25-Sep-24	24-Apr-24 16-Apr-24 20-May-24 04-Jun-24 29-Apr-24	19-May-24 19-May-24 03-Jun-24 18-Jun-24 19-May-24 19-May-24	-129 -136 -136 -136 -136 -129 -129 Update Lag from Predecessor; Update		
-1260 Decurement for H occurement of IS 6-1270(7) 6-1280(7) 6-1290(7) 6-1300(7) Decurement for C -1340 Decurement for C -1350	S Limiter         IS Limiter Design Approval         Manufacturing of IS Limiter         Factory Acceptance Test (FAT)         Delivery to Site         Control SCADA Systems         Delivery to Site         Onshore Crane at Berth         Supplier Submission and Approval	368           4           90           15           21           682           60	63 26 33 15 21 21 21 104 2	01-Jan-23 A           0%         01-Jan-23 A           63.33%         31-Dec-23 A           0%         03-Oct-24           0%         18-Oct-24           0%         18-Oct-24           0%         05-Sep-24           0%         05-Sep-24           0%         04-Dec-22 A           96.67%         04-Dec-22 A	02-Nov-24           25-Sep-24           03-Oct-24           18-Oct-24           02-Nov-24           25-Sep-24           25-Sep-24           12-Dec-24           01-Sep-24	<ul> <li>24- Apr-24</li> <li>16- Apr-24</li> <li>20- May-24</li> <li>04- Jun-24</li> <li>29- Apr-24</li> <li>29- Apr-24</li> <li>19- Apr-24</li> <li>19- Apr-24</li> </ul>	19-May-24 19-May-24 03-Jun-24 18-Jun-24 19-May-24 19-May-24 31-Jul-24 20-Apr-24	-129 -136 -136 -136 -136 -129 -129 Update Lag from Predecessor; Update Original Duration from 11d to 21d -134		Supplier Submission and Approval
-1260 ocurement for H rocurement of IS 6-1270(7) 6-1280(7) 6-1290(7) 6-1300(7) ocurement for C -1340 ocurement for C -1350 -1360	S Limiter         IS Limiter Design Approval         Manufacturing of IS Limiter         Factory Acceptance Test (FAT)         Delivery to Site         Control SCADA Systems         Delivery to Site         Onshore Crane at Berth         Supplier Submission and Approval         Material & Equipment Procurement	368           4           90           15           15           21           682           60           180	63 26 33 15 15 21 21 21 21 04 2 2 72	01-Jan-23 A           0%         01-Jan-23 A           63.33%         31-Dec-23 A           0%         03-Oct-24           0%         18-Oct-24           0%         05-Sep-24           0%         05-Sep-24           0%         04-Dec-22 A           96.67%         04-Dec-24 A           60%         01-Apr-24 A	02-Nov-24           25-Sep-24           03-Oct-24           18-Oct-24           02-Nov-24           25-Sep-24           25-Sep-24           12-Dec-24           01-Sep-24           12-Nov-24	24-Apr-24 16-Apr-24 20-May-24 04-Jun-24 29-Apr-24 29-Apr-24 19-Apr-24 19-Apr-24 21-Apr-24	19-May-24 19-May-24 03-Jun-24 18-Jun-24 19-May-24 19-May-24 31-Jul-24 20-Apr-24 01-Jul-24	-129 -136 -136 -136 -136 -129 -129 Update Lag from Predecessor; Update Original Duration from 11d to 21d -134 -134		Supplier Submission and Approval
-1260 Decurement for H rocurement of IS 6-1270(7) 6-1280(7) 6-1290(7) 6-1300(7) Decurement for C -1340 Decurement for C -1350 -1360 -1370	S Limiter         IS Limiter Design Approval         Manufacturing of IS Limiter         Factory Acceptance Test (FAT)         Delivery to Site         Control SCADA Systems         Delivery to Site         Onshore Crane at Berth         Supplier Submission and Approval         Material & Equipment Procurement         Factory Acceptance Test (FAT)	368           4           90           15           21           682           60	63 26 33 15 21 21 21 104 2	01-Jan-23 A           0%         01-Jan-23 A           63.33%         31-Dec-23 A           0%         03-Oct-24           0%         18-Oct-24           0%         5-Sep-24           0%         05-Sep-24           0%         04-Dec-22 A           96.67%         04-Dec-24 A	02-Nov-24           25-Sep-24           03-Oct-24           18-Oct-24           02-Nov-24           25-Sep-24           25-Sep-24           12-Dec-24           01-Sep-24           12-Nov-24           12-Dec-24           12-Dec-24	24-Apr-24 16-Apr-24 20-May-24 04-Jun-24 29-Apr-24 29-Apr-24 19-Apr-24 19-Apr-24 21-Apr-24	19-May-24 19-May-24 03-Jun-24 18-Jun-24 19-May-24 19-May-24 31-Jul-24 01-Jul-24 31-Jul-24	-129 -136 -136 -136 -136 -129 -129 Update Lag from Predecessor; Update Original Duration from 11d to 21d -134		Supplier Submission and Approval
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3-Month Rolling Programme (August 2024)	
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Actual Work 

Critical Remaining Work 🔶 ٠

Critical Milestone

Contract No. EP/SP/66/12 D/-4



2 Sep 82	024 Oct 83	Nov 84
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		1 1
	Factory Acceptance Test (FAT) for ACC-3	
Deliv	ery to Site ACC-2	to Site ACC-3
Delivery to Ch		
Delivery to Site	e	
		Delivery to Site
	Mechanical Equipment Procurement (Incl. FAT) Pipe Material Procurement (Incl. FAT)	
	Electrical and Instrumentation Material Procurement	
	Delive	y to Site
Electrical and Instrume	ntation Material Procurement (Incl. FAT) Delivery to Site	
IS Lir	niter Design Approval	
	Manufacturing of IS Limiter Factory Acceptance T	est (FAT)
		Delivery to Site
Deliv	ery to Site	
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		Delivery to Site (EIAC
	Material Submission and Approval	
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<ul> <li>Actrual Milestor</li> </ul>		

Designer	D	Adivity Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finis	h Late Start	Late Finish	Total I Float	M81 Remarks	Aug	ted Waste Manage	
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Normal Work       1       1       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2 <th cols<="" td=""><td>Phase II - Reclamat</td><td>tion, Breakwater and Berth Construction</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td>Phase II - Reclamat</td> <td>tion, Breakwater and Berth Construction</td> <td></td>	Phase II - Reclamat	tion, Breakwater and Berth Construction										
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Seawall and Berth # Marine Access       665       13       2 2Mar 23       14 Jan 25       09 Apr 24       24 Jan 25       09 Apr 24       24 Jan 25       09 Apr 24       24 Sp 24       05 Jan 24       01 Ja		Breakwater Profile Barrier and Davement Road											
06.1330(2)       Construction of Seawalf and Wave Wall Extension from +3mP0 to Dock Level       -3       0       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10	.,												
Sewate intake Structure       90       11       92.467.23       10.58p.24       94.pr.24       144       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4       4	Remain Works			2					-109			•	
06.2006(b)       Construction of Seawater Intake       90       11       87.78%       22.49:24       10.5ep.24       10.4ep.24       22.49:24       1.45         06.2006(b)       Construction of Fire Boat Access       120       120       10       16.5ep.24       14.4ep.25       25.4pr.2       24.99:24       -145       Intage 20.4ep.25       14.4ep.25       25.4pr.24       14.4ep.25       25.4pr.24       14.4ep.25       25.4pr.24       14.4ep.24       14.5ep.24       14.4ep.24       14.5ep.24       14.4ep.24       14.5ep.24       14.4ep.24       14.5ep.24       14.4ep.24       14.5ep.24       14.4ep.24       14.5ep.24       14.4ep.24       14.4ep.24       14.5ep.24	.,				,	· · ·							
Fre Boat Access       120       120       120       16 Sep 24       16 Sep 24       16 Sep 24       14 Sep 24       1												Construction	
Indexing Dolphins       Mooing Dolphins Piling Works       90       90       94-800 (6)       14-8ep-24       12-Bec 24       14-May 24       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14       1-14				120								·	
Notified Columber         Modified Dolphins Piling Works         Modified Dolphins Piling Works         Modified Dolphins Piling Works         Modified Dolphins Piling Works         12-Dec-24         14-Way-24								-	_				
undation Works       440       77       05 Auge23 A       15 Nov-24       06 Mar. 24       14 Jule24       -124         ky Deck Foundation       82       28       23 Jun. 24 A       28 Sep. 24       06 Mar. 24       03 Apr. 24       -177         Sky Deck Pile Caps Construction       82       28       23 Jun. 24 A       28 Sep. 24       06 Mar. 24       03 Apr. 24       -177         09-2730(M62)       Excavation to Pile Cap Formation       21       14       32%       23 Jun. 24 A       14 Sep. 24       06 Mar. 24       20 Mar. 24       -177         09-2730(M62)       Pile Cuboff & Capping Plate (2 Welders @ 2nr/d)       21       12       41%       03 Jule 24 A       21 Sep. 24       16 Mar. 24       20 Mar. 24       -177         crocess Building - Waste Bunker & Tipping Hall Bld Foundation       21       12       41%       03 Jule 24 A       21 Sep. 24       16 Mar. 24       09 Apr. 24       -177         crocess Building - Waste Bunker & Tipping Hall Bld Foundation       26       2       05 Auge23 A       02 Sep. 24       04 Apr. 24       -177       Change Relationship from Predecessor 09 - 2740(M62) from FS0 to FF7							-	-					
ky Deck Foundation       88       28       29       29-29       64Mar-24       9-Apr-24       9-Apr-24      9-Apr-24       9-Apr-24 <td>oundation Works</td> <td></td> <td></td> <td>⁷⁰ 77</td> <td>·</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>	oundation Works			⁷⁰ 77	·			-					
Sky Deck Pile Caps: Construction       82       28       23-Jun-24       28-Sep-24       06-Mar-24       03-Apr-24       04-Mar-24       04-Mar			82	28	23-Jun-24 A	28-Sep-24	06-Mar-24	03-Apr-24	-177				
Pile Cutoff & Capping Plate (2 Welders @ 2nr/d)       Pile Cutoff & Capping Plate (2 Welders @ 2nr/d)       Pile Cutoff & Capping Plate (2 Welders @ 2nr/d)       Pile Cutoff & Capping Plate (2 Welders @ 2nr/d)       Pile Cutoff & Capping Plate (2 Welders @ 2nr/d)       Pile Caps Construction	· ·		82	28	23-Jun-24 A	28-Sep-24	06-Mar-24	03-Apr-24	-177			-	
09-2750(M62)       Pile Caps Construction       30       25       18%       27-Aug-24       28-Sep-24       10-Mar-24       03-Apr-24       1-17       Change Relationship from Predecessor 09-2740(M62) from FS0 to FF7         rocess Building - Waste Bunker & Tipping Hall Bld Foundation       26       2       05-Aug-23       02-Sep-24       09-Apr-24       09-Apr-24       1-16         Process Building - Waste Bunker & Tipping Hall Bld Foundation       26       2       05-Aug-23       02-Sep-24       07-Apr-24       09-Apr-24       1-16         Process Building Pile Cap Construction       26       2       05-Aug-23       02-Sep-24       07-Apr-24       09-Apr-24       1-16         Pile Cap Stage 3 (Module 3 Between Grid PB22 to PB32)       26       2       05-Aug-23       02-Sep-24       07-Apr-24       09-Apr-24       1-16	09-2730(M62)					· ·						Excava	
rocess Building - Waste Bunker & Tipping Hall Bld Foundation       26       2       05-Aug-23 A       02-Sep-24       07-Apr-24       09-Apr-24       04-Apr-24       04-Apr-24       09						· ·				Change Relationship from Prodesses			
Process Building Pile Cap Construction       26       2       05-Aug-23 A       02-Sep-24       07-Apr-24       09-Apr-24       -14         Pile Cap Stage 3 (Module 3 Between Grid PB22 to PB32)       26       2       05-Aug-23 A       02-Sep-24       07-Apr-24       09-Apr-24       -146	07-273U(IVIOZ)	r në dapis Cutistitutituti	30	25	1070 27-AUG-24 A	20-Sep-24	10-11/12/1-24	из-арг-24					
Pile Cap Stage 3 (Module 3 Between Grid PB22 to PB32)         26         2         05-Aug-23 A         02-Sep-24         07-Apr-24         09-Apr-24         -146				2	v	· · · ·		· ·	-146				
	-				v	· · ·		· ·					
			26 26	2									

	境保護署 wironmental Protection Department
2024 Oct	Nov
83	84
st Concrete Wall Panel Moulding & Fabrication	
	Precasting of Concrete Panels
	Precasting of Concrete Panels
	Factory Accept
Precasting of C	ncrete Panels Factory Accept
	Precasting of Concrete Panels Factory Accept
	Precasting of Concrete Panels
	Precasting of Concrete Panels
lid ballast, toe protection, precast concrete blocksetc Laying	
	Wall Extension from +3mPD to Deck Level for Sea
awall and Wave Wall Extension from +3mPD to Deck Level for Seawall B struction of Seawal and Wave Wall Extension from +3mPD to Deck Level	for Seawall B No. C1 & C2 (Caisson A2 & A3)
Construction of Seawal and Wave Wall Extension norm +3mPD	
Seawall and Wave Wall Extension from +3mPD to Deck Level (Bay 1 to E	av 8)
Construction of Seawall and Wave Wall Extension from +3mPD	to Deck Level
f Seawater Intake	
ion to Pile Cap Formation	
Pile Cut-off & Capping Plate (2 Welders @ 2nr/d)	
Pile Caps Construction	
ual Milestone	
cal Milestone	

	Seghers All And All All All All All All All All All Al								Inter	Co grated Waste Managel
ty ID	Activity Name		naining uration	Activity % Current Start Complete	Current Finish	Late Start	Late Finish	Total M81 Remarks Float	Aug	Sep
09-1260	Pile Caps and Raft Foundation Construction (60m x 24m 4set@100m2/7day)	26	2	92.12% 05-Aug-23 A	02-Sep-24	07-Apr-24	09-Apr-24	-146	81	82 Pile Caps and Raft Foundation (
ACC Equipment Fo	oundation	64	51	12-Jul-24 A	24-Oct-24	13-May-24	14-Jul-24	-102		
ACC Pile Cap Cor	nstruction	64	51	12-Jul-24 A	24-Oct-24	13-May-24	14-Jul-24	-102		
09-1710-3(M78)	Tie Beams Construction (Module 2 & 3 @+6.5mPD) Grid ACA-ACD, AC4-AC6	30	6		· ·	,	,	-114		Tie Beams Constru
09-1720-1(M58)	On-grade Slab Construction Grid ACA-ACG, AC3-AC4	45	45		24-Oct-24	,		-102		
	nent Plant & Water Treatment Plant Bld Foundation	78	9							
	ment Plant & Water Treatment Plant Bld Pile Cap Construction	78	9		· · ·					
	tment Plant Pile Cap Construction	78	9				27-Mar-24	-165		Excavation to Pile Cap Formation
09-1920	Excavation to Pile Cap Formation Pile Cut-off & Capping Plate (410nrs, @20/d)	39	2	95.57% 22-Jan-24 A 93% 01-Feb-24 A				-158 -158		Pile Cut-off & Capping Plate (410
09-1940	Pile Caps Construction	60	9	7070 01100 2171	· ·	-		-165		Pile Caps Constructi
Elevated Drive Wa	ay and Associated Structures Foundation	21	3	30-Dec-23 A	02-Sep-24	03-Apr-24	06-Apr-24	-150		
Elevated Drive Wa	ay Pile Cap Construction	21	3	30-Dec-23 A	02-Sep-24	03-Apr-24	06-Apr-24	-150		
Elevated Drive W	Vay RSU to RSAF	21	3	30-Dec-23 A	02-Sep-24	03-Apr-24	06-Apr-24	-150		
09-2730(M57)	Pile Caps Construction	21	3	86.35% 30-Dec-23 A	02-Sep-24	03-Apr-24	06-Apr-24	-150		Pile Caps Construction
<b>Reception Pavilion</b>	n Foundation	30	30	09-Oct-24			06-Jun-24	-155		
09-2100	Formation, Compaction & Raft Foundation Construction	30	30	0% 09-Oct-24		,	06-Jun-24	-155		
Weighbridge Foun		45	45			-	19-Jun-24	-149		
09-2710(6F)	Excavation & Construction of Weighbridge Bays and Cast-in bolts	45	45	0% 02-Oct-24		,	19-Jun-24		_	
Heavy Load Acces	SS	3	3	26-Sep-24			07-Apr-24	-174		
Demolition		3	3	26-Sep-24			07-Apr-24	-174		
09-3040(6D)	Removal of Sub Base & Road Base & Foundation Works (Stage 3)	665	3 176				07-Apr-24 19-Oct-24	-174 -126		
Superstructure We										
	Viewing Gallery Bld Structure	67	71					-129		Column & Wall to +17.0mPl
10-1030 10-1040	Column & Wall to +17.0mPD Beam & Slab to +17.0mPD	21	8	80% 25-Jul-24 A 60% 25-Jul-24 A	· ·		· ·	-129 Update Actual Start Date     -129 Update Actual Start Date; Change     Relationship from Predecessor 10-103     from FS0 to SS0	30	Beam & Slab to +17.
10-1050	Column & Wall to +22.5mPD	21	21	0% 08-Sep-24	29-Sep-24	02-May-24	22-May-24			
10-1060	Beam & Slab to +22.5mPD	21	21	0% 29-Sep-24			12-Jun-24	-129		
10-1070	Roof Parapet and Dog House	21	21	0% 20-Oct-24		13-Jun-24		-129		
Sky Deck Structure	re	81	81	13-Sep-24	03-Dec-24	20-Mar-24	08-Jun-24	-177		
10-2310 (M55)	Construction of RC Column (16nr, 0.9m Dia x 11m, 3 pours @ 5d/pour with 4 formwork sets)	60	60	0% 13-Sep-24	12-Nov-24	20-Mar-24	18-May-24	-177		
10-2315 (7)	Beam & Slab to Deck Level app.+18mPD (appx. 600m3)	30	30	0% 03-Nov-24	03-Dec-24	,	08-Jun-24	-177		
	- Waste Bunker & Tipping Hall Bld Structure	243	120	· · ·			, v			
	nker Bld Structure	243	120	21-Apr-24 A			04-Aug-24			
	g (Module 2) Waste & Ash Bunker Bld Structure	165	42				29-Apr-24	-165		
10-1260	Column & Wall to +33.5mPD	30	8	75% 21-Apr-24 A	· ·					Column & Wall to +33 Beam & Slab to +33.5
10-1280	Beam & Slab to +33.5mPD Column, Wall & Beam to +41.0mPD	30	6 21	80% 24-May-24 A 0% 31-Aug-24				-161 -174		Beam & Stab to +33.2
10-1300	Column & Wall to +53.7mPD	21	21	5	11-Oct-24			-165		
Process Building	g (Module 3) Waste & Ash Bunker Bld Structure	105	74	· · ·				-204		
10-1370	Column & Wall to +33.5mPD	18	14	25% 21-Jul-24 A	13-Sep-24	09-Feb-24	22-Feb-24	-204		Column & V
10-1390	Beam & Slab to +33.5mPD	18	18	0% 13-Sep-24	01-Oct-24	23-Feb-24	11-Mar-24	-204		
10-1400	Column, Wall & Beam to +41.0mPD	21	21	0% 01-Oct-24	22-Oct-24		01-Apr-24	-204		
10-1410	Column & Wall to +53.7mPD	21	21	0% 22-Oct-24	12-Nov-24			-204		
	g Waste & Ash Bunker Bld Structural Steel Roof	90	106	09-Aug-24 A				-156		Install 1
10-2075(M81) 10-2080	Install Temporary Construction Platform for Steel Roof Erection Module 1 Bunker Steel Roof Erection	30 45	16 45	46.67% 09-Aug-24 A 0% 16-Sep-24	15-Sep-24 30-Oct-24	-	12-Apr-24 27-May-24	-156 New Activity     -156 Update Activity Name; Update Origina	1	
10-2000		*5	73	070 10-3cp-24	30-001-24	13-Api-24	27-1Wdy-24	Duration		
10-2080-01(M81) 10-2220(7)	Module 2 Bunker Steel Roof Erection Module 1 Bunker Roof Cladding Installation	45 30	45 30	0% 31-Oct-24 0% 31-Oct-24		28-May-24 06-Jun-24		-156 New Activity -147 Update Activity Name; Update Origina Duration	1	
Process Building	g Waste & Ash Bunker Bld Structure Between Bunker 1 and 2	72	24	01-May-24 A	23-Sep-24	16-Apr-24	09-May-24	-137		
10-2370 (M78)	Beam & Slab to +33.5mPD Grid Line PBG to PBJ	21	6	70% 01-May-24 A	06-Sep-24	03-May-24	09-May-24	-119		Beam & Slab to +33.5m
10-2390 (M78)	Beam & Slab to +17.5mPD	14	3	80% 06-Jul-24 A	02-Sep-24	16-Apr-24	18-Apr-24	-137		Beam & Slab to +17.5mPD
10-2400 (M78)	Beam & Slab to +27.28mPD	12	10	15% 15-Aug-24 A	12-Sep-24	20-Apr-24	30-Apr-24	-135		Beam & Sla
10-2410 (M78)	Beam & Slab to +11.58mPD and +12.4mPD	11	11		23-Sep-24		-	-137		
10-2420 (M78)	Beam & Slab to +33.5mPD Grid Line PBA to PBG	9	9 34			-	09-May-24	-137 Update Activity Name -187		
	g Waste & Ash Bunker Bld Structure Between Bunker 2 and 3			27-Jun-24 A						Beam & Slab to +
10-2430 (M78) 10-2440 (M78)	Beam & Slab to +20.5mPD Beam & Slab to +33.5mPD Grid Line PBG to PBJ	14	10 21	30% 27-Jun-24 A 0% 09-Sep-24	09-Sep-24 30-Sep-24			-184		
10-2440 (M78)	Beam & Stab to + 33.5mPD Gita Line PBG to PBJ Beam & Stab to + 17.5mPD	14	13	10% 22-Aug-24 A				-187		Beam & Sla
10-2470 (M78)	Beam & Slab to +27.28mPD	12	12		24-Sep-24			-187		
10-2480 (M78)	Beam & Slab to +11.58mPD and +12.4mPD	11	11	0% 22-Sep-24	· ·	-	30-Mar-24	-187		
10-2490 (M78)	Beam & Slab to +33.5mPD Grid Line PBA to PBG	9	9				30-Mar-24	-187 Update Activity Name		
	g Waste & Ash Bunker Bld Misc. Steel Structure	120	120	У				-146		
10-2330 (M63)	Facade Structural Frame Installation at Module 1	60	60	0% 21-Sep-24		,	24-Jul-24	-118		
10-2340 (M63)	Facade Structural Frame Installation at Module 2 Facade Structural Frame Installation at Module 3	60	60 60	0% 12-Oct-24		-	04-Aug-24	-128		
10 2250 (M/ 2)										
10-2350 (M63) 10-2360-1(M81)	Waste Crane Runway Beam at Module 1	35	21	0% 29-Oct-24 40% 02-Aug-24 A	28-Dec-24 20-Sen-24	09-Apr-24		-204 -140 New Activity		

3-Month Rolling Programme (August 2024)	Actual Work	Critical Remaining Work	<b>♦</b>
PAGE 7 OF 16	Remaining Work	♦ ♦ Milestone	٠

Contract No. EP/SP/66/12	環境保護署
Management Facilities, Phase 1	Environmental Protection Department
Z024           Sep         Oct           82         83	Nov 84
aft Foundation Construction (60m x 24m 4set@100m2/7day)	
Beams Construction (Module 2 & 3 @+6.5mPD) Grid ACA-ACD, AC4-AC6	grade \$lab Construction Grid ACA-ACG, AC3-AC4
o	
Cap Formation ping Plate (410nrs, @20/d) caps Construction	
ruction	
	Formation, Compaction & Raft Foun
	Excavation & Construct
Removal of Sub Base & Road Base & Foundation	i Works (Stage 3)
all to +17.0mPD	
& Slab to +17.0mPD	
Column & Wall to +22.5mPD	
· · · · · · · · · · · · · · · · · · ·	ab to +22.5mPD
	Roof Parapet and Dog House
	Construction of RC Column (
& Wall to +33.5mPD	
Slab to +33.5mPD Column, Wall & Beam to +41.0mPD	
Column & Wall to +53.7ml	PD
Column & Wall to +33.5mPD	
Beam & Slab to +33.5mPD Column	n, Wall & Beam to +41.0mPD
	Column & Wall to +53.7mPD
Install Temporary Construction Platform for Steel Roof Erection	
	Module 1 Bunker Steel Roof Erection
slab to +33.5mPD Grid Line PBG to PBJ	
+17.5mPD Beam & Slab to +27.28mPD	
Beam & Slab to +11.58mPD and +12.4mPD Beam & Slab to +33.5mPD Grid Line PBA to PBG	
Dealil & Sipulo + 55.5hird Gird Line PDA to PDG	
m & Slab to + 20.5mPD Beam & Slab to + 33.5mPD Grid Line PBG to I	PBJ
Beam & Slab to +17.5mPD	
Beam & Şlab to +27.28mPD Beam & Slab to +11.58mPD and +12.4m	
Beam & Slab to + 33.5mPD Grid Line PB.	A to PBC
	Facade Structura
Waste Crane Runway Beam at Module 1	Waste Crane Runway Beam at Mod
	wase orang runway beam at 1000
♦ Actrual Milestone	

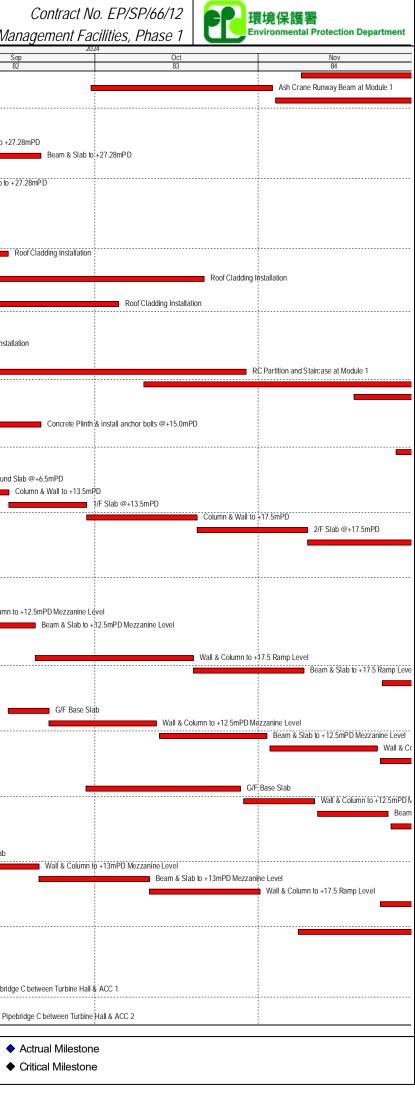
Critical Milestone

吉寶西格斯 KEPHILSUGHURS-3	- 茶 神 県 令 公 년 HINS HILA ROSET VESTURE								Integ	C prated Waste Manage
ity ID	Adivity Name	Original Duration	Remaining Duration		Current Finis	h Late Start	Late Finish	Total M81 Remarks Float	Aug 81	
10-2360-3(M81)	Waste Crane Runway Beam at Module 3	35	35				01-Aug-24	-134 New Activity		
10-2360-4(M81) 10-2360-5(M81)	Ash Crane Runway Beam at Module 1 Ash Crane Runway Beam at Module 2	35	35		03-Nov-24 08-Dec-24		06-Jun-24 11-Jul-24	-150 New Activity -150 New Activity		
Tipping Hall Bld St		128	21					-24		
Process Building	(Module 2) Tipping Hall Bld Structure	43	21	12-Apr-24 A	20-Sep-24	09-Apr-24	29-Apr-24	-144		
10-1510	Column & Wall to +27.28mPD	21	2		· ·		11-Apr-24	-144		Column & Wall to +27.28mPE
10-1520	Beam & Slab to +27.28mPD	21	19 3				· ·	-144 -8		
10-3070-6(7)	(Module 3) WWTP & Tipping Hall Structure Beam & Slab to +27.28mPD	14	3					-8 Update Actual Start Date		Beam & Slab to +27.28m
.,,	Boiler & Flue Gas Treatment Bld Structure	629	140			5	5			
Steel Structure		453	52	21-Aug-23 A	21-Oct-24	27-Apr-24	17-Jun-24	-126		
Boiler Building St	eel Structure	453	52	21-Aug-23 A	21-Oct-24	27-Apr-24	17-Jun-24	-126		
Process Building (Mo	dule 1) Steel Structure Erection	60	14	21-Aug-23 A	14-Sep-24	03-Jun-24	17-Jun-24	-88		
10-1640	Roof Cladding Installation	60	14	5			17-Jun-24	-88		Roof Cla
Process Building (Mo	Adule 2) Steel Structure Erection Roof Cladding Installation	60 60	52 52				17-Jun-24	-126		
	odule 3) Process Building Steel Structure Erection	60	35				17-Jun-24	-109		
10-1720	Roof Cladding Installation	60	35	41% 12-Dec-23 A	05-Oct-24	13-May-24	17-Jun-24	-109		
	nt Bld Steel Structure	30	3	· · · ·				-91		
	bdule 3) Steel Structure Erection	30						-91		Roof Cladding Installation
10-1840	Roof Cladding Installation nternal Partition Wall and Staircase	30	3 140		02-Sep-24 17-Jan-25		03-Jun-24 02-Aug-24	-91 -168		
10-1850	RC Partition and Staircase at Module 1	60	60	<u> </u>	29-Oct-24		02-Aug-24	-178		
10-1860	RC Partition and Staircase at Module 2	60	60	5	08-Dec-24		23-Jun-24	-168		
10-1870	RC Partition and Staircase at Module 3	60	60		17-Jan-25		02-Aug-24	-168		
Compressor & CCC		21	21	9	20-Sep-24		06-May-24			
10-2210	Concrete Plinth & install anchor bolts @+15.0mPD	21	21 40	5	20-Sep-24		06-May-24 30-Sep-24	-137 -97		
Chimney Structure	Chimney Roof Slab (47th Pour)	40	40		05-Jan-25	, v	30-Sep-24	-97 Remove Predecessor 10-2240 FS1		
	ent Plant Bld Structure	183	92				13-Jul-24	-140		
10-2090	Ground Slab @+6.5mPD	21	10	53% 20-Mar-24 A	09-Sep-24	18-Mar-24	28-Mar-24	-165		Ground Slab @+
10-2095	Column & Wall to +13.5mPD	21	15	30% 08-May-24 A	14-Sep-24	18-Mar-24	02-Apr-24	-165		Column
10-2096	1/F Slab @+13.5mPD	21	15	5			16-Apr-24	-165		
10-2100	Column & Wall to +17.5mPD 2/F Slab @+17.5mPD	21	21		20-Oct-24 10-Nov-24		07-May-24 22-Jun-24	-165 -140		
10-2120	Column & Wall to +23.0mPD	21	21		01-Dec-24		13-Jul-24	-140		
Water Treatment Pla	ant Bld Structure	21	3	16-Jul-24 A	03-Sep-24	10-Apr-24	13-Apr-24	-142		
10-2390(6F)	Parapet Wall	21	3		03-Sep-24	10-Apr-24	13-Apr-24	-142		Parapet Wall
,	and Associated Structures	288	176					-126		
	y RSA to RSG (FS Control Rm & Vehicle Washing Facility)	207	176					-126		Wall & Column to +12.5
10-2220(M57) 10-2230(M57)	Wall & Column to +12.5mPD Mezzanine Level Beam & Slab to +12.5mPD Mezzanine Level	30	5 20					-138 -139 Update Actual Start Date; Change		Wali & Column to +12.5
10-2230(1137)		21	20	570 20-Aug-24 A	17-3cp-24	14-Api-24	03-1Wdy-24	Relationship from Predecessor from FS0 to		
10-2250(M57)	Wall & Column to +17.5 Ramp Level	30	20	0% 19-Sep-24	19-Oct-24	04 May 24	02-Jun-24	-139 FF14		
10-2250(M57) 10-2260(M57)	Beam & Slab to +17.5 Ramp Level	21	30 21		09-Nov-24		23-Jun-24	-139		
10-2270(M57)	Truck Washing Facility House Column and Roof Slab to +28mPD	90	90		22-Feb-25			-126		
Elevated Drive Way	y RSG to RSX (Transform Room)	131	92	15-May-24 A	14-Dec-24	16-Apr-24	16-Jul-24	-151		
10-2310(M57)	G/F Base Slab	30	8	,	· · ·		23-Apr-24	-151		
10-2320(M57) 10-2330(M57)	Wall & Column to +12.5mPD Mezzanine Level Beam & Slab to +12.5mPD Mezzanine Level	21	21		12-Oct-24 02-Nov-24		14-May-24 04-Jun-24	-151 -151		
10-2340(M57)	Wall & Column to +17.5 Ramp Level	21	21				25-Jun-24	-151		
10-2350(M57)	Beam & Slab to +17.5 Ramp Level	21	21	0% 24-Nov-24	14-Dec-24	26-Jun-24	16-Jul-24	-151		
Elevated Drive Way		72	72	· · · · ·	09-Dec-24			-174		
10-2410(M81)	G/F Base Slab	30	30		28-Oct-24		07-May-24	-174 New Activity		
10-2420(M81) 10-2430(M81)	Wall & Column to +12.5mPD Mezzanine Level Beam & Slab to +12.5mPD Mezzanine Level	14	14		11-Nov-24 25-Nov-24		21-May-24 04-Jun-24	-174 New Activity -174 New Activity		
10-2440(M81)	Wall & Column to +17.5 Ramp Level	14			09-Dec-24			-174 New Activity		
Elevated Drive Way	y RSAB to RSAF	112	115	15-Apr-24 A	23-Dec-24	01-Apr-24	02-Jul-24	-174		
10-2360(M57)	G/F Base Slab	45	5					-151		G/F Base Slab
10-2370(M57) 10-2380(M57)	Wall & Column to +13mPD Mezzanine Level Beam & Slab to +13mPD Mezzanine Level	45	20	·				-151 -151		
10-2380(M57) 10-2390(M57)	Wall & Column to +17.5 Ramp Level	30	21	,				-151		
10-2400(M57)	Beam & Slab to +17.5 Ramp Level	30	30					-174		
<b>Reception Pavilion</b>	Structure	30	30	08-Nov-24	08-Dec-24	07-Jun-24	06-Jul-24	-155		
10-2280	Reception Pavilion RC Structure Construction	30	30		08-Dec-24			-155		
Pipebridge Structur	e	9	9			-		-93		
Pipe Bridge C		9	9	3	08-Sep-24		07-Jun-24	-93		
Connect to ACC 1		3	3	, s	02-Sep-24			-93		Fraction of Disphridge C has
10-2310(6)	Erection of Pipebridge C between Turbine Hall & ACC 1	3	3				01-Jun-24 04-Jun-24	-93 -93		Erection of Pipebridge C bet
Connect to ACC 2		3	3	03-5ch-24	00-5cp-24	02-5un-24	01-Juil-24			

3-Month Rolling Programme	(August 2024)
PAGE 8 OF 16	

Critical Remaining Work 🔶 ♦ ♦ Milestone

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	Adivity Name	Original	I Remainir	ng Activity % Current S	art Current Fir	sh Late Start	Late Finish	Total	M81 Remarks		rated Waste Manag
		Duration		on Complete				Float		Aug 81	Sep 82
Connect to ACC		3		3 06-Sep-2		05-Jun-24		-93			Erection of Pipel
10-2310-2(M63) hicle Fuel Filli	Erection of Pipebridge C between Turbine Hall & ACC 3	3		3 0% 06-Sep-2 5 02-Oct-2		05-Jun-24 14-May-24		-93 -141			
)-2450(6D)	Filling Station Structure Construction	45		15 0% 02-Oct-2		14-May-24					
ssel Offloadin	, , , , , , , , , , , , , , , , , , ,	120				13-Jun-24					
3-2420(7)	Vehicle Ferry Ramp Installation	120	) 12	0 0% 24-Oct-2	21-Feb-25	13-Jun-24	10-Oct-24	-134			
e <mark>ighbridg</mark> e Kio	osk	45	5 4	02-Oct-2	15-Nov-24	06-May-24	19-Jun-24	-149			
3-2430(M79)	Construction of Weighbridge Kiosk	45	i 4	15 0% 02-Oct-2	15-Nov-24	06-May-24	19-Jun-24	-149			
CC Yard		223	3 13	31-Mar-2	4 A 08-Jan-25	04-Apr-24	13-Aug-24	-148			
8-2000	Delivery and Erection of ACC Steel Structure & Steel Structure Support of Condensate Tank (Module 1)	90			4 A 14-Oct-24		19-May-24				
8-2040 8-2080	Delivery and Erection of ACC Steel Structure & Steel Structure Support of Condensate Tank (Module 2) Delivery and Erection of ACC Steel Structure & Steel Structure Support of Condensate Tank (Module 3)	90		0 0% 25-Sep-2 0 0% 11-Oct-2			02-Jul-24 13-Aug-24	-174 -148			
	ilders Works & Finishes	436	_		3 A 09-May-25	-	ů.	-17			
	g - Waste Bunker & Tipping Hall Bld ABWF Works	350	) 20	00 20-Nov-2	3 A 19-Mar-25	06-May-24	03-Jan-25	-74			
-1070	Metal Railings, Platforms, Gratings, Cable trench covers Installations	90	) 9	0 0% 13-Sep-2				23			
-1080	Internal Wall and Floor Finishes	230		· · ·	3 A 19-Mar-25		06-Dec-24	-103			
-1090	False ceiling and Raise Floor installation (in CCR)	45		15 0% 31-Aug-2				-117			
-1100	External Finishes, Curtain Walls and Roof Waterproofing	90			4 A 26-Nov-24		30-Sep-24	-56			
-1540(M63)	Facade Panels Erection for Module 2 (284pcs. @4pcs/d)	77		7 0% 11-Nov-2	4 26-Jan-25	06-Jul-24	20-Sep-24		Change Relationship to Successor 16-1570 from FS0 to FF0		
-1550(M63)	Facade Panels Erection for Module 3 (612pcs. @8pcs/d)	77	7	7 0% 27-Nov-2	4 12-Feb-25	08-May-24	23-Jul-24	-204			
ocess Building	g - Boiler & Flue Gas Bld ABWF Works	283	3 25	25-Jul-24	A 09-May-25	07-Feb-24	03-Jan-25	-126			
-1120	Metal Railings, Staircase, Platforms & Gratings Installations	200				18-Jun-24		-126			
-1130	Internal Wall and Floor Finishes	180		5	4 A 08-Feb-25				Update Actual Start Date		
-1560(7) -1570(7)	Transformer Room 1 & 2 Blockwork and Finishes Transformer Room 3 & 4 Blockwork and Finishes	30			A 17-Sep-24 4 A 28-Sep-24			-194	Update Actual Start Date		
-1580(7)	Transformer Room 5 & 6 Blockwork and Finishes	30		5	A 26-Sep-24				Change Relationship from Predecessor		
									from FS-14 to FF-14		
rbine Hall Bld		286	5 16	o3 09-Dec-2	3 A 09-Feb-25	11-Feb-24	09-Aug-24	-184			
lectrical Bld Al	BWF Works	213	3 9	0 09-Dec-2	3 A 28-Nov-24	24-Mar-24	18-Jul-24	-133			
1-1150	Door, Windows and Louvers Installation	90		0 0% 31-Aug-2		20-Apr-24		-133			
1-1160	Metal Railings, Platforms, Gratings, Cable trench covers Installations	90		·	A 19-Nov-24			-124			
1-1170	Internal Wall and Floor Finishes False ceiling and Raise Floor installation	90		6 82% 09-Dec-2 0 0% 31-Aug-2	3 A 16-Sep-24 4 28-Nov-24	02-Jui-24 24-Mar-24	18-Jul-24 21-Jun-24	-59 -160			·
1-1190	External Finishes, Roof Waterproofing	90		0 0% 31-Aug-2		20-Apr-24			Change Lag from Predecessor 11-1150		
									from FF30 to FF0		
1-1540	Facade Panels Erection (167pcs. @8pcs/d)	23		23 0% 22-Oct-2			_	-118			
urbine Hall AB		163		9			09-Aug-24	-184			
1-1200	Door, Roller Shutter, Windows and Louvers Installation Metal Railings, Platforms, Gratings, Cable trench covers Installations	60		0 0% 12-Nov-2 0 0% 31-Aug-2		24-Apr-24 25-Apr-24	22-Jun-24	-202 -128			
1-1220	Internal Wall and Floor Finishes for remain area	90		0 0% 31-Aug-2		12-May-24					
1-1240	External Finishes, Curtain Walls and Roof Waterproofing	120	) 12			25-Mar-24		-202			
1-1540-1(M63)	Facade Structural Frame Erection	52	2 5	62 0% 31-Aug-2			02-Apr-24	-202			
1-1550	Facade Panels Erection (207pcs. @4pcs/d)	51		0% 22-Oct-2		03-Apr-24	,				
	CCCW Bld ABWF Works	90		20 31-Aug-2		20-Apr-24		-133			
-1250 -1260	Door, Roller Shutter, Windows and Louvers Installation Metal Railings, Platforms, Gratings, Cable trench covers Installations	90		0 0% 31-Aug-2 0 0% 31-Aug-2		20-Apr-24 20-Apr-24		-133	Change Lag from Successor 11-1290 from		
-1200	ivietai realinings, Pratuonnis, Gratings, Cable tiench covers instantations	90	7	0 0 % 31-Aug-2	+ 20-11UV-24	20-Api-24	10-Jul-24		FF30 to FF0		
-1270	Internal Wall and Floor Finishes	90	) 9	0 0% 31-Aug-2	4 28-Nov-24	20-Apr-24	18-Jul-24	-133			
-1280	False ceiling and Raise Floor installation	90		0 0% 31-Aug-2		20-Apr-24		-133			
-1290	External Finishes and Roof Waterproofing	90		0 0% 31-Aug-2		20-Apr-24		-133			
nimney ABWF		85			4 30-Nov-24	,		-48			
)-2240	Erection of Steel Grating Platform	55	5	5 0% 07-Sep-2	4 31-Oct-24	10-May-24	03-Jul-24		Add Predecessor 10-2230 FS11; Update Original Duration from 90d to 55d		
-1000	Installation of Metal Staircase, Railings, Lift Shaft	26	5 2	e 0% 01-Nov-2	4 26-Nov-24	27-Jul-24	21-Aug-24	-97	Update Activity Name; Update Relation		
									ship from Predecessor 10-2240 from FF30 to FS0; Update Original Duration from 90d		
-1490	Door and Windows Installation	60	) 6	0 0% 20-Sep-2	4 18-Nov-24	15-Aug-24	13-Oct-24		Change Relationship from Predecessor		
		00		070 20-3eμ-2	. 10-1107-24	13-Ady-24	13-001-24	- 30	from FF30 to SS13		
-1500	Internal Wall and Floor Finishes	30	) 3	0% 01-Nov-2	4 30-Nov-24	24-Jul-24	22-Aug-24	-100			
	tment Plant & Water Treatment Plant Bld ABWF Works	179		<b>,</b>		13-Apr-24		-40			
	atment Plant ABWF Works	120				05-Sep-24		-40			
1-1310	Metal Railings, Platforms, Gratings, Cable trench covers Installations	120				19-Sep-24		-40			
1-1320	Internal Wall and Floor Finishes	120				05-Sep-24	02-Jan-25 01-Aug-24	-54 -142			
1-1600(7)	tt Plant ABWF Works Door, Roller Shutter, Windows and Louvers Installation	90		0 0% 21-Sep-2		04-May-24	, v		Change Lag from Predecessor 11-1650(7)		
1-1000(7)	2007, RUIRT SHUTTEL, WINDOWS AND LOUVELS INSIGNATION	90	, ,	0 /0 21-Sep-2	T 17-Dec-24	04-1Vidy-24	or-Aug-24	- 140	from FF10 to FF0		
1-1610(7)	Metal Railings, Platforms, Gratings, Cable trench covers Installations	90		0 0% 31-Aug-2	4 28-Nov-24	04-May-24	01-Aug-24	-119	Update Original Duration from 120d to 90d		
1-1620(7)	Internal Wall and Floor Finishes	90		0 0% 14-Sep-2		04-May-24	-		Update Original Duration from 120d to 90d		
1-1630(7)	External Finishes, and Roof Waterproofing	90	9	0 0% 23-Sep-2	4 22-Dec-24	04-May-24	01-Aug-24	-142	Change Lag from Predecessor 10-2390(6F) from FS30 to FS20; Change		
									Lag from Predecessor 05-4750 from FS0 to		
1-1640(7)	Facade Structural Frame Erection	90	) 9	0 0% 31-Aug-2	4 28-Nov-24	13-Apr-24	11-Jul-24	-140			
	Facade Panels Erection (272pcs. @8pcs/d)	80		0% 01-Oct-2	19-Dec-24		01-Aug-24	1.10	Change Lag from Predecessor from FF30		1.1

3-Month Rolling Programme (August 2024)	Actual Work
o Month Rolling Programmo (Ragust 2027)	Remaining Work
PAGE 9 OF 16	Nerhanning Work

Critical Remaining Work 🔶 ♦ Milestone

• Critical

	act No. EP/S		予環境	<b>〔保護署</b>
lanageme	nt Facilities,	Phase 1	Envir	onmental Protection Department
Sep 82		Oct 83		Nov 84
	etween Turbine Hall & A			
i oi Pipebilaye C be		100 3		
				Filling Station Structure
				Construction of Weight
		Delivery an	H Frection of ACC St	eel Structure & Steel Structure Support of Cond
		Delivery an		er snuchte a steer snuchte support of cond
		, Feler er ile	and Daise Flagships	
		False cellin	g and Raise Floor ins	taliation (in CCR)
				_
Transforme	er Room 1 & 2 Blockwor			
	i .	om 3 & 4 Blockwork and 5 & 6 Blockwork and Fir		
			lianca	
				Metal Railings,
Internal Wall	and Floor Finishes			
				Facade Panels Erection (1
			Facade Structural Fi	ame Fraction
			Tucuuc Siluciulari	
			·····	
			Fr	ection of Steel Grating Platform
				-
				Ins
				Door and Window
-				
			:	
A	la ato :			
<ul> <li>Actrual M</li> <li>Oritical Mi</li> </ul>				
<ul> <li>Critical Mi</li> </ul>	iesione			

D	Activity Name	Original	Remaining	Activity % Current Start Complete	Current Finis	h Late Start	Late Finish		M81 Remarks	Aug	rated Waste Manag
		Duration	Duration 71		00 Nov 24	22 Apr 24	22 Apr 25	Float		81	82
1-1340	Door, Roller Shutter, Windows and Louvers Installation	248 60	58				17-Oct-24	164 -10			
1-1340	Metal Railings, Platforms, Gratings, Cable trench covers Installations	90	50			04-Mar-25		186			
1-1360	Internal Wall and Floor Finishes	90	5				· ·	-130			Internal Wall and Floor
1-1370	False ceiling and Raise Floor installation	90	5	95% 06-Dec-23 A	04-Sep-24	23-Apr-24	27-Apr-24	-130			False ceiling and Raise
1-1380	External Finishes and Roof Waterproofing	86	71					164			
1-1560-1(M63)	Facade Structural Frame Installation	64 57	64 57			14-Aug-24 07-Aug-24		-17 -95			
	Way and Associated Structures ABWF Works	57	57		05-Jan-25	-		-95			
11-1420-2	e Way RSA to RSG Facade Structural Frame Erection RSA to RSG	57	57		05-Jan-25	07-Aug-24		-95			
	e Chamber ABWF Works	90	90			20-Apr-24		134			
1-1670(7)	Floor, wall and ceiling finishes	30	30		10-Oct-24		19-May-24				
1-1680(7)	Steel platforms, metal covers, cat ladder and staircase	30	30		09-Nov-24	· ·		-128			
1-1690(7)	Roller Shutter installation	30	30			24-Mar-25		134			
uilding Servio	ces Installation	391	236	20-May-22 A	23-Apr-25	20-Apr-24	19-Feb-25	-63			
dministration	& Viewing Gallery Bld BS Works	206	206	31-Aug-24	24-Mar-25	28-May-24	19-Feb-25	-33			
2-1000	Plumbing & Drainage System	120	120	0% 24-Nov-24	24-Mar-25		19-Feb-25	-33			
2-1010	MVAC System	120	120		24-Mar-25	10-Jul-24	06-Nov-24	-138			
2-1020 2-1030	Fire Service System (Admin building) Electrical and Lighting System	120	120 150		24-Mar-25 16-Feb-25	24-Jun-24 12-Jun-24		-154 -100			
2-1030	CCTV & Surveillance System	150	150		27-Jan-25	28-May-24	-	- 100			
-1050	FS Lift & Escalator Installation	60	60	5	09-Jan-25	,	01-Sep-24	-129			
ocess Buildir	ng - Waste Bunker & Tipping Hall Bld BS Works	210	167	11-Oct-23 A	14-Feb-25	16-May-24	19-Feb-25	6			
2-1060	Plumbing & Drainage System	180	151	16% 11-Oct-23 A	29-Jan-25	21-Sep-24	19-Feb-25		Change Relationship from Predecessor		
1070	MMAC # OCS Sustam	100	96	200/ 14 Oct 22 A	04 Dec 24	02 101 24	0( Oct 24		05-4010 from FS0 to FF0		
2-1070	MVAC & OCS System	120	90	20% 14-Oct-23 A	04-Dec-24	03-Jul-24	00-0Cl-24		Change Relationship from Predecessor 05-3990 & 05-4000 from FS0 to FF0;		
									Remove Lag from Predecessors 10-1300		
2-1080	Fire Service System (Waste Bunker and Tipping Hall)	180	158	12% 11-Oct-23 A		,	21-Oct-24	-106			
2-1090 2-1100	Electrical and Lighting System Security, Surveillance & Communication System	180	167 144	7% 18-Oct-23 A 20% 25-Apr-24 A		25-May-24 03-Jun-24	-	-97 -89			
	ng - Boiler & Flue Gas Bld BS Works	365	144	· · ·			04-Dec-24				
-1120	MVAC System	180	153	, , , , , , , , , , , , , , , , , , ,			06-Nov-24				
2-1140	Electrical and Lighting System	180	135			17-Jun-24		-140			
2-1150	Security, Surveillance & Communication System	180	162	10% 25-Apr-24 A	18-Mar-25	16-May-24	24-Oct-24	-145			
2-1160	FS Lift & Escalator Installation (Boiler & Flue Gas Bld)	120	120	0% 30-Oct-24	26-Feb-25	05-May-24	01-Sep-24		Update Original Duration; Change Lag from		
2-1580(6E)	Earthing and Lightning Protection System	180	171	5% 20-May-22 A	22 Apr 25	17 Jup 24	04-Dec-24		Predecessor 10-1870 from FF60 to FF30 Change Lag to Successor 16-1660 from		
2-1300(0E)		100	171	570 20-1Mdy-22 A	23-Api-23	17-3011-24	04-DCC-24		FF30 to FF15		
Irbine Hall Bl	d BS Works	243	92	11-Oct-23 A	01-Dec-24	20-Apr-24	24-Oct-24	-37			
lectrical Bld I	BS Works	150	92	11-Oct-23 A	01-Dec-24	24-Jul-24	24-Oct-24	-37			
2-1270	Plumbing & Drainage System	60	50	17% 11-Oct-23 A			12-Sep-24	-37			
2-1280	MVAC System	120	30				23-Aug-24	-37			
2-1290 2-1300	Fire Service System (Electrical Building) Electrical and Lighting System	120 120	65 62			-	21-Oct-24 24-Sep-24	-13 -37			
2-1300	Security, Surveillance & Communication System	90	26			28-Sep-24		-37			
urbine Hall B		210	90		28-Nov-24		24-Oct-24	-35			
2-1320	Plumbing & Drainage System	90	28	68.89% 11-Oct-23 A	27-Sep-24	20-Apr-24	17-May-24	-133			
2-1330	MVAC System	90	90	0% 31-Aug-24	28-Nov-24	20-Apr-24	18-Jul-24	-133			
2-1340	Fire Service System (Turbine Hall)	90	90				21-Oct-24	-38			
2-1350	Electrical and Lighting System	90	28					13			
2-1360	Security, Surveillance & Communication System	90 192	90 91		28-Nov-24			-35 -23			
-1370	CCCW Bld BS Works	60									
1370	Plumbing & Drainage System MVAC System	120	18 30		· · ·		09-Aug-24 06-Nov-24	-39 38			
1390	Fire Service System (CCCW Bld)	120	91				21-Oct-24	-39			
1400	Electrical and Lighting System	120	84	30% 20-Mar-24 A	22-Nov-24	02-Aug-24	24-Oct-24	-29			
-1410	Security, Surveillance & Communication System	90	29	68% 20-Mar-24 A				-29			-
nimney BS W		60	60	01-Nov-24	30-Dec-24	04-Jul-24	01-Sep-24	-120			
-1570	Lift Installation (Chimney)	60	60		30-Dec-24		01-Sep-24				
	eatment Plant & Water Treatment Plant Bld BS Works	212	181				08-Nov-24				
	eatment BS Works	131	131		27-Feb-25	09-Jun-24					
2-1420	Plumbing & Drainage System	120	120		17-Feb-25	09-Jun-24	06-Oct-24	-133 -133			
2-1430 2-1440	MVAC & OCS System Fire Service System	120 107	120 107	0% 20-Oct-24 0% 20-Oct-24	17-Feb-25 04-Feb-25	09-Jun-24 07-Jul-24	06-Oct-24 21-Oct-24	-133			
2-1450	Electrical and Lighting System	120	120		27-Feb-25	12-Jul-24	08-Nov-24				
2-1460	Security, Surveillance & Communication System	90	90		27-Jan-25	27-Jul-24	24-Oct-24	-94			
2-1460-1(6C)	Lift Installation	60	60	0% 30-Oct-24	28-Dec-24	04-Jul-24	01-Sep-24	-118			
ater Treatme	ent Plant BS Works	151	132	30-Jun-24 A	09-Jan-25	24-Jun-24	24-Oct-24	-77			
2-1580(7)	Plumbing & Drainage System	120	115			24-Jun-24		-67			
2-1590(7)	MVAC & OCS System	120	104			24-Jun-24	06-Oct-24	-67			
1/00/7	Fire Service System	107	104	3% 28-Jul-24 A	09-Jan-25	10-Jul-24	21-Oct-24	-80			<b>—</b>
2-1600(7) 2-1610(7)	Electrical and Lighting System	120	119	1% 15-Aug-24 A	27 Dec 24	20 Jun 24	24-Oct-24	24	Update Actual Start Date		

3-Month Rolling Programme (August 2024)	
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Actual Work 

Critical

		境保護署 ivironmental Protection Department
	Oct 83	Nov 84
nes Finstallation		y, Roller Shutter, Windows and Louvers Installation orms, Gratings, Cable trench covers Installations
		External Finishes and Roof Water
	Floor, wall and ceiling finishes	Steel platforms, metal covers, cat
	Plumbing & Drainag	e System
		Fire Service System (Electrical Building) Electrical and Lighting System
Plu	mbing & Drainage System	
Éle	ctrical and Lighting System	
bing & Drainage	System MVAC System	
		Electrical a Security, S
		-
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l Mileston Milestone		

	Adivity Name	Original	Remaining	Activity % Current Start	Current Finis	sh Late Start Late		otal M81 Remarks	Aug	d Waste Manag
		Duration	Duration 19	Complete	10.0	20.1424 0(.1		49	Aug 81	82
MF Substation		120 90				30-May-24 06-N		93		Plumbin
-1470 -1480	Plumbing & Drainage System MVAC System	90	13		· · ·	29-Oct-24 06-N		59		MVAC System
-1490	Fire Service System (IWMF Substation)	90	9			30-May-24 07-J		93		Fire Service Sys
-1500	Electrical and Lighting System	90	19			11-Oct-24 30-C		42		-
-1510	Security, Surveillance & Communication System	90	14		· ·	11-Oct-24 24-0		42		Security
C Equipment S	Structure BS Works	90	90	22-Oct-24	19-Jan-25	09-Aug-24 19-F	eb-25	31		
-1580(5a)	Plumbing & Drainage System	60	60	0% 22-Oct-24	20-Dec-24	22-Dec-24 19-F	eb-25	61		
-1590(5a)	MVAC System	90	90	0% 22-Oct-24	19-Jan-25	09-Aug-24 06-N	lov-24	74		
-1600(5a)	Fire Service System (Equipment/Appliance)	60	60	0% 22-Oct-24	20-Dec-24	23-Aug-24 21-C	Oct-24 ·	-60		
-1610(5a)	Electrical and Lighting System	60	60		20-Dec-24			-1		
-1620(5a)	Security, Surveillance & Communication System	60	60			26-Aug-24 24-C		57		
	ng Station BS Works	60	60	16-Nov-24	14-Jan-25	28-Jun-24 08-N		-67		
-2020(6D)	Fire Service System (Vehicle Filling Station)	60	60		14-Jan-25	23-Aug-24 21-C		85		
-2030(6D)	Electrical and Lighting System (Vehicle Filling Station)	60	60		14-Jan-25			67		
-2040(6D)	Security, Surveillance & Communication System (Vehicle Filling Station)	30	30 60		15-Dec-24	· ·		52		
-2050(6D)	Install Fuel Filling Kiosk	90	80 90		14-Jan-25	28-Jun-24 26-A 20-May-24 06-N	3	41 63		
	Chamber BS Works									
1630(7)	Plumbing & Drainage System	60	60 60			20-May-24 18-J		33		
1640(7) 1650(7)	MVAC System Eira Sanica System (Equipment/Appliance)	60	60	0% 10-Oct-24 0% 10-Oct-24		08-Sep-24 06-N 23-Aug-24 21-C		49		
1650(7) 1660(7)	Fire Service System (Equipment/Appliance) Electrical and Lighting System	60	60		09-Dec-24 09-Dec-24	*		49		
670(7)	Security, Surveillance & Communication System	60	60		09-Dec-24 08-Jan-25			76		
()	ent Installation	484				31-Jan-24 25-D		23		
	- Waste Bunker & Tipping Hall Bld Process Equipment Installation	420				31-Jan-24 24-C				
	ng and Instrument Installation and Connection Works	420	176	· · · · · · · · · · · · · · · · · · ·		31-Jan-24 29-A	° .			
ocess Buildin	ıg (Module 1)	142	111	30-Jun-24 A	19-Dec-24	04-Apr-24 23-J	ul-24 -1	49		
-3010(6F)	Piping Installation Works	80	72	10% 30-Jun-24 A	10-Nov-24	04-Apr-24 14-J	un-24 -1	49		
-3020(6F)	Pipe Testing	60	60			10-May-24 08-J		49		
-3030(6F)	Piping Insulation Works	60	60			25-May-24 23-J		49		
ocess Buildin	ig (Module 2)	281	176	02-Jan-24 A	22-Feb-25	31-Jan-24 24-J	ul-24 -2	213		
-3040(6F)	Embedded Piping Installation	60	15	75% 02-Jan-24 A	14-Sep-24	12-Mar-24 26-N	Nar-24 -1	72		En
-3050(6F)	Piping Installation Works	90	90			31-Jan-24 29-A		213		
2-3060(6F)	Pipe Testing	60	60			27-Mar-24 25-N	,	213		
2-3070(6F)	Piping Insulation Works	90	90			26-Apr-24 24-J		213		
2-3075(M71)	Equipment Installation at Basin Area at +6.5mPD (included Boiler Drainage Tanks)	90	90	5		26-Mar-24 23-J		58		
rocess Buildin	ig (Module 3)	190	134	05-Feb-24 A	11-Jan-25	25-Apr-24 23-J		72		
-3080(6F)	Embedded Piping Installation	60	45	25% 05-Feb-24 A		2				
2-3090(6F)	Piping Installation Works	90	90			25-Apr-24 23-J		72		
rocess Buildin		60	60	20-Sep-23 A	01-Nov-24	09-Apr-24 08-J	un-24 -1	46		
2-3160(6F)	Embedded Piping Installation	60	60	· · ·		09-Apr-24 08-J				
h Treatment I	Equipment (Module 1)	120	36	10-Mar-24 A	05-Oct-24	19-May-24 23-J	un-24 -1	04		
-4000(6G_R1)	Deliver and installation of Ash Treatment Equipments	120	36	70% 10-Mar-24 A	05-Oct-24	19-May-24 23-J	un-24 -1	04		
h Treatment I	Equipment (Module 2)	120	108	30-Jun-24 A	16-Dec-24	23-Mar-24 08-J	ul-24 -1	61		
-4010(6G_R1)	Deliver and installation of Ash Treatment Equipments	120	108	10% 30-Jun-24 A	16-Dec-24	23-Mar-24 08-J	ul-24 -1	61		
h Treatment I	Equipment (Module 3)	120	116	15-Jul-24 A	25-Dec-24	05-May-24 29-A	Nug-24 -1	17		
-4020(6G_R1)	Deliver and installation of Ash Treatment Equipments	120	116	3% 15-Jul-24 A	25-Dec-24	05-May-24 29-A	Nug-24 -1	17		
	g (Cranes and Shredder)	266	144		21-Jan-25		•	89		
-	ig (Module 1)	246	124	15-Mar-24 A	01-Jan-25	10-May-24 06-C	)ct-24 -	87		
-1000-1(6)	Ash Crane Nos. 1 & 2 Installation @+15.3mPD	70	42	40% 30-Apr-24 A		,				
-1000-1(0)	Shredder No.1 Installation	60	42	· · · ·		10-May-24 08-J		37		
1000-2(6) 1000-5(6B)	Waste Crane Control Room 1 Equipment (+33.5)	70	70	· · · · ·		29-Jul-24 06-C		33 Rename Activity Name; Remove		
. /								Predecessor 05-4940-3(6E)		
-1000-6(6B)	EOTC & Monorail Hoist System installation in Ash Crane Control Room (+15.8mPD & +19.9mPD)	70	70	0% 23-Oct-24	01-Jan-25	29-Jul-24 06-C	Oct-24 -	87 Add Predecessor 10-2420 (M78) FS30;		
1000 7// 5	FOTO 9 Manazail Unist Custom Install-Vice in Machanical Chard And A COST DD			00/ 22.0.01	02.0- 01	20 101 24 24 2	Dat 2.4	Remove Successor 16-1390 FS0		
-1000-7(6B)	EOTC & Monorail Hoist System installation in Mechanical Shredder Area +28.5mPD	70	70	0% 23-Sep-24	02-Dec-24			57 Add Predecessor 10-2420 (M78) FS0		
-1000-8(6B)	Monorail Hoist System installation in CCR Electrical Switch room +13.75mPD	60	60 60		29-Oct-24			03 03		
- 1000-9(6B) - 1010(6B)	Monorail Hoist System installation in CCR Electrical Switch room +23mPD EOTC Hoist System installation in Main Workshop & Store +15.3mPD	60	60 21		29-Oct-24 20-Sep-24	-		16		
-1010(6B) -1020(M81)	Ash Crane Control Room 1 Equipment	4	21 A			03-Oct-24 06-C		9 New Activity ID		
cess Buildin		115	115	· · ·		31-Mar-24 24-C		89		
-1004-2(M71)	Shredder No.2 Installation	70	70			31-Mar-24 08-J		87		
-1004-2(M71)	Waste Crane Hoist Installation (Grid PB21-PB22)	70	70	0% 03-0ct-24	24-Dec-24			61 Rename Activity Name; Remove		
		10	,0	070 10-00l-24	2. 000-24			Successor 16-1390 FS0		
-1004-6(M71)	EOTC & Monorail Hoist System installation in Ash Crane Control Room (+15.8mPD & +19.9mPD)	70	70	0% 17-Oct-24	26-Dec-24	16-Aug-24 24-C	Oct-24 -	-63 Add Successor 10-2490 (M78) FS14;		
								Remove Successor 16-1390 FS0		
-1004-7(M71)	EOTC & Monorail Hoist System installation in Mechanical Shredder Area +28.5mPD	70	70	0% 28-Sep-24	07-Dec-24			62		
-1008-5(M71)	Waste Crane Control Room 2 Equipment	70	70	0% 12-Nov-24	21-Jan-25	16-Aug-24 24-C	Oct-24 -	89 Rename Activity Name; Add Predecessor		
								10-2490 (M78) FS30; Remove Successor 16-1390 FS0		
-1008-8(M81)	Ash Control Room 2 Equipment	30	30	0% 02-Nov-24	02-Dec-24	25-Sep-24 24-C	)ct-24 -	39 New Activity		
cess Buildin		70	70	22-Oct-24		16-Aug-24 24-C		-68		
-1008-3(M71)			70							
1000-3(IVI/I)	Waste Crane Hoist Installation (Grid PB31-PB32)	70	/0	0% 22-Oct-24	SI-DeC-24	16-Aug-24 24-C	JUI-24 -	68 Rename Activity Name; Remove Successor 16-1390 FS0		

3-Month Rolling Programme (August 2024)
PAGE 11 OF 16

Critical Remaining Work
 Milestone

Critical

ntract No. EP nent Facilities			現境保護署 Ivironmental Protection Department
2024	Oct		Nov
	83		84
ainage System			
WMF Substation) trical and Lighting System	n		
/eillance & Communicatio			
I			Piping Installation Works
Piping Installation			[
	Embedde	ed Piping Installation	
			Embedded Piping Installation
	Deliver and installation o	f Ash Treatment Eq	uipments
			Shredder N Waste Crane Control Room 1 Equip
		M	onorail Hoist System installation in CCR Electrical S
	llation in Main Workshop a	M & Store +15.3mPD	onorail Hoist System installation in CCR Electrical S
Ash Crane Co	ontrol Room 1 Equipment		
_			
l Milestone Milestone			



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Intoaratod	1/1/acto	1/2020	1/
Integrated	<i>vvasic</i>	iviariau	

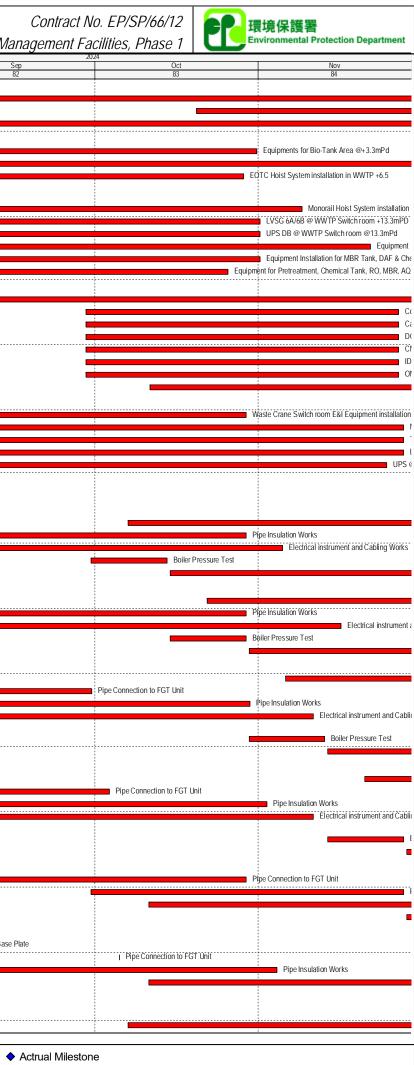
ty ID	Adivity Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finis	Late Start	Late Finish	Tota Floa	M81 Remarks	Aug	Sep
Dresses Duilding (		140		01-Mar-23 A	19 Doc 24	00 Apr 24	01 Aug 24			81	82
Process Building (		140	108								
13-1010-1(6) 13-1010-10(6E)	WWTP Piping and instrument installation Provision of Temporary Power Supply for WWTP Testing & Commissioning	60		10.04% 01-Mar-23 A 0% 20-Oct-24		· ·	25-Jui-24 01-Aug-24	-140	Update forecast Finish Date		
13-1010-2(6)	WWTP Electrical Equipment installation & Cable pulling and termination	90	90	0% 02-Sep-24	01-Dec-24		5		Update Original Duration from 120d to 90d		
	al equipment installation	120	90	· ·	01-Dec-24			-128	1 8		
13-1010-12(M63)	Equipments for Bio-Tank Area @+3.3mPd	120	60	50.04% 07-Jul-24 A	31-Oct-24	27-May-24	25-Jul-24	-98			
13-1010-13(M63)	Equipments for Centrate Area, Inlet Sump & EQ Tank Area @+2.0mPd	90	90	0% 02-Sep-24		27-Apr-24		-128	Update Original Duration from 100d to 90d		
13-1010-5(6B)	EOTC Hoist System installation in WWTP +6.5	60	57	5% 15-Aug-24 A	29-Oct-24	10-May-24	05-Jul-24	-115	Remove Lag from Predecessors		
									10-3060(6F) and 10-3070-4(M63); Update Actual Start Date		
12 1010 (//D)		(0	(0	00/ 10 Car 24	00 Nov 04	07 14 24	05 1.1.24	10/			
13-1010-6(6B)	Monorail Hoist System installation in WWTP +10mPD & +13.3mPD LVSG 6A/6B @ WWTP Switch room +13.3mPD	60 60		0% 10-Sep-24		07-May-24		-126			
13-1010-7(6B) 13-1010-8(6B)	UPS DB @ WWTP Switch room @13.3mPd	60		0% 02-Sep-24 0% 02-Sep-24	01-Nov-24 01-Nov-24	27-Apr-24		-128			
13-1020(6F)	Equipment Installation for Equipment Rm, Sludge Dewatering Rm & Chemical Rm Area @+6.5mPd	90		10% 02-3ep-24		-			Update Actual Start Date		
13-1020(6F)	Equipment Installation for MBR Tank, DAF & Chemical Tank Area @+10.0mPd	60		0% 02-Sep-24	01-Nov-24			-128			
13-1040(6F)	Equipment for Pretreatment, Chemical Tank, RO, MBR, AQP, MCC & Control Area @+12.5mPd	60	54	10% 20-Aug-24 A		03-May-24			Update Actual Start Date		
	(Central Control System Installation)	102	102	31-Aug-24		,	01-Aug-24	-131			
13-1010-3(6B)	Mechanical equipment installation (Control Room 2 +36.5mPD)	98	98	0% 31-Aug-24	06-Dec-24		01-Aug-24	-127			
13-1980	Control Systems Installation at CCR	60	60	0% 29-Sep-24	27-Nov-24	20-May-24	0	-132			
13-1990	Cable laying and Termination	60		0% 29-Sep-24	27-Nov-24			-132			
13-2160(6B)	DCS Installation	60		0% 29-Sep-24		20-May-24		-132			
13-2210(6B)	CMMS Installation	60		0% 29-Sep-24	27-Nov-24	,		-132			
13-2260(6B)	IDMS installation	60	60	0% 29-Sep-24	27-Nov-24			-132			
13-2270(6B)	OMS Installation	60	60	0% 29-Sep-24	27-Nov-24	20-May-24		-132			
13-2280(6D)	Monorail Hoist System installation in CCR Electrical Switch room +13.75mPD	60	60	0% 11-Oct-24	10-Dec-24	20-May-24	18-Jul-24	-145			
Process Building (	(Switch Room)	91	90	20-Aug-24 A	28-Nov-24	20-Apr-24	18-Jul-24	-133			
13-1000-4(6B)	Waste Crane Switch room E&I Equipment installation @+29.5mPd, inclusive of Control Chair and Junction box in WCCR	60	60	0% 31-Aug-24	29-Oct-24	20-May-24	18-Jul-24	-103			
13-1010-4(6B)	Mechanical equipment installation (Switch Room +28.25mPD)	90	90	0% 31-Aug-24	28-Nov-24	20-Apr-24	18-Jul-24	-133	Update Original Duration from 120d to 90d		! [
13-2280(6B)	Transformer @ Process Bldg. switch room x4 Nos. @+13.3 mPD	90	90	0% 31-Aug-24	28-Nov-24	20-Apr-24	18-Jul-24	-133			
13-2280-1(6B)	LVSG 1A/1B and 2A/2B (below Toilet/Server Room - Process building Switch room)	90	90	0% 31-Aug-24	28-Nov-24	20-Apr-24	18-Jul-24	-133			
13-2280-2(6B)	UPS @ Process Building Switch room and Battery room	90	86	5% 20-Aug-24 A	25-Nov-24	24-Apr-24	18-Jul-24	-130			
Process Building -	Boiler House & Flue Gas Treatment Bld Process Equipment Installation	364	180	01-Dec-23 A	26-Feb-25	09-Feb-24	18-Oct-24	-131			
Process Building (	(Installation TPU Module)	364	180	22-Dec-23 A	26-Feb-25	25-Feb-24	18-Oct-24	-131			
TPU Train 1		135	135	31-Aug-24	12-Jan-25	18-Apr-24	30-Sep-24	-104			
13-1040	Boiler Condition Check and Repair	70	70	0% 07-Oct-24	15-Dec-24	23-Jul-24	30-Sep-24	-76			
13-1070	Pipe Insulation Works	60		0% 31-Aug-24	29-Oct-24		23-Jun-24	-128			
13-1080	Electrical instrument and Cabling Works	67	67	0% 31-Aug-24	05-Nov-24	18-Apr-24	23-Jun-24	-135			
13-1090	Boiler Pressure Test	15	15	0% 30-Sep-24	14-Oct-24	25-Apr-24	09-May-24	-158			
13-1100	Boiler Refractory works	90	90	0% 15-Oct-24	12-Jan-25	03-Jul-24	30-Sep-24	-104	Add Successor 13-2620 FF0		
TPU Train 2		150	150	31-Aug-24	27-Jan-25	25-Apr-24	30-Sep-24	-119			
13-1130	Boiler Condition Check and Repair	70	70	0% 22-Oct-24	30-Dec-24	23-Jul-24	30-Sep-24	-91			
13-1160	Pipe Insulation Works	60	60	0% 31-Aug-24	29-Oct-24	25-Apr-24	23-Jun-24	-128			
13-1170	Electrical instrument and Cabling Works	67	67	0% 11-Sep-24	16-Nov-24	03-May-24	08-Jul-24	-131			
13-1180	Boiler Pressure Test	15	15	0% 15-Oct-24	29-Oct-24	10-May-24	24-May-24	-158			
13-1190	Boiler Refractory works	90	90	0% 30-Oct-24	27-Jan-25	03-Jul-24	30-Sep-24		Add Successor 13-2620 FF0		
TPU Train 3		289	165	12-Jan-24 A	11-Feb-25	27-Feb-24	18-Oct-24	-116			
13-1220	Boiler Condition Check and Repair	71	71	0% 06-Nov-24	15-Jan-25	09-Aug-24	18-Oct-24	-89			
13-1240	Pipe Connection to FGT Unit	121	30	75% 12-Jan-24 A	30-Sep-24	27-Feb-24	28-Mar-24	-186			
13-1250	Pipe Insulation Works	60	60	0% 31-Aug-24	30-Oct-24		18-Oct-24		Update Original Duration from 120d to 60d		
13-1260	Electrical instrument and Cabling Works	67	67	0% 05-Sep-24	11-Nov-24	03-Mar-24	08-May-24	-187	Change Lag from Predecessor 13-1795(6A) from FF60 to FF30		
13-1270	Boiler Pressure Test	15	10	0% 20 0~+ 24	13-Nov 24	25 May 24	08-Jun-24	-158			
13-1270 13-1280	Boiler Pressure Lest Boiler Refractory works	90		0% 30-Oct-24 0% 14-Nov-24		,	08-Jun-24 18-Oct-24	- 158			
		287	90 176	12-Jan-24 A				-131			
TPU Train 4	Poiler Condition Check and Danoir										
13-1310	Boiler Condition Check and Repair	70			29-Jan-25	•	18-Oct-24	-103			
13-1330 13-1340	Pipe Connection to FGT Unit Pipe Insulation Works	120		75% 12-Jan-24 A 0% 04-Sep-24	03-Oct-24	27-Feb-24 20-Aug-24	28-Mar-24		Update Original Duration from 120d to 60d		
13-1350	Electrical instrument and Cabling Works	60	60	0% 04-Sep-24 0% 05-Sep-24	02-INOV-24 11-Nov-24		08-May-24		Change Lag from Predecessor		
13-1330	Electrical instrument and cability works	0/	07	070 03-3ep-24	11-1101-24	03-1vid1-24	00 ⁻¹ 1/10 y-24	-10/	13-1795(6A) from FF60 to FF30		
13-1360	Boiler Pressure Test	15	15	0% 14-Nov-24	28-Nov-24	09-Jun-24	23-Jun-24	-158			
13-1370	Boiler Refractory works	90	90	0% 29-Nov-24	26-Feb-25	21-Jul-24	18-Oct-24	-131			
TPU Train 5		207	108	27-Mar-24 A	16-Dec-24	25-Feb-24	23-Jul-24	-146			
13-1510	Pipe Connection to FGT Unit	120	60	50% 27-Mar-24 A	29-Oct-24	25-Feb-24	24-Apr-24	-188			
13-1520	Pipe Insulation Works	60		0% 30-Sep-24			24-May-24		Update Original Duration from 120d to 60d		}
13-1530	Electrical Instrument and Cabling Works	67	67	0% 11-Oct-24		18-May-24	,	-146			
13-1540	Boiler Pressure Test	15	15	0% 29-Nov-24	13-Dec-24	24-Jun-24	08-Jul-24	-158			
TPU Train 6		292	108	22-Dec-23 A	16-Dec-24	18-Mar-24	24-May-24	-206			
13-1395(M63)-2	TPU-6 Welding to Base Plate	20	1	95.84% 22-Dec-23 A	31-Aug-24	18-Mar-24	18-Mar-24	-166			TPU-6 Welding to Base Plate
13-1420	Pipe Connection to FGT Unit	120	0	99.9% 28-Mar-24 A	•			-164			
13-1430	Pipe Insulation Works	60	60	0% 05-Sep-24	04-Nov-24	26-Mar-24	24-May-24	-164	Update Original Duration from 120d to 60d		
13-1440	Electrical instrument and Cabling Works	67	67	0% 11-Oct-24	16-Dec-24	19-Mar-24	24-May-24	-206			
Process Building (	(Installation of Flue Gas Module)	320	152	01-Dec-23 A	29-Jan-25	09-Feb-24	18-Oct-24	-103			
FGC Train 1		275	107	01-Dec-23 A	15-Dec-24	10-Apr-24	30-Sep-24	-76			
	FGC Unit Condition Check and Repair	70	70	0% 07-Oct-24	15-Dec-24	23-Jul-24	30-Sep-24	-76			
13-1580	T GC Offic Condition Check and Repair										

3-Month Rolling Programme (August 2024) PAGE 12 OF 16

Actual Work Remaining Work

Critical Remaining Work 🔶 ♦ ♦ Milestone

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Critical Milestone

	Adivity Name	Original	Remaining	Activity % Current Start	Current Finish	Late Start	Late Finish	Total M81 Remarks	Integrated Waste Ma
1/00	Disc Connection Media to TDLL and Dischelders	Duration	Duration	Complete	00 Con 34	02 May 24	11 May 24	Float	Aug Si 81 8 Pipe Conne
1600 1610	Pipe Connection Works to TPU and Pipebridge Pipe Insulation Works	90	8 90	91% 01-Dec-23 A 0% 31-Aug-24		,	,	-120	
1620	Electrical instrument and Cabling Works	67	67	0% 11-Sep-24	16-Nov-24	03-May-24	08-Jul-24	-131	
C Train 2		281	122				30-Sep-24	-91	
1650 1655(6A)	FGC Unit Condition Check and Repair Installation 4 nos. of Transformers for Process Module 1	70	70 14		30-Dec-24 17-Sep-24		· ·	-91 -131	
1670	Pipe Connection Works to TPU and Pipebridge	90	8		08-Sep-24		12-Jun-24	-87	Pipe Conne
1680	Pipe Insulation Works	90	90	0% 31-Aug-24	28-Nov-24	10-Apr-24	08-Jul-24	-143	
1690	Electrical instrument and Cabling Works	67	67	0% 11-Sep-24	16-Nov-24	03-May-24			
C Train 3	ECO Unit Constitute Observation	229	137	20-Jan-24 A	14-Jan-25		18-Oct-24	-88	
1720 1740	FGC Unit Condition Check and Repair Pipe Connection Works to TPU and Pipebridge	70 90	70 24		14-Jan-25 30-Sep-24		18-Oct-24 28-Mar-24	-88	
1750	Pipe Insulation Works	90	90		29-Nov-24		09-May-24	-203	· · · · · · · · · · · · · · · · · · ·
1760	Electrical instrument and Cabling Works	67	67	0% 05-Sep-24	11-Nov-24	04-Mar-24	09-May-24	-186 Change Lag from Predecessor	
C Train 4		279	152	20-Jan-24 A	29-Jan-25	10-Feb-24	18-Oct-24	13-1795(6A) from FF60 to FF30	
1790	FGC Unit Condition Check and Repair	70	70		29-Jan-25		18-Oct-24	-103	
1795(6A)	Installation 4 nos. of Transformers for Process Module 2	14	14		12-Oct-24	5	08-Apr-24	-187	
1810	Pipe Connection Works to TPU and Pipebridge	90	24		03-Oct-24		28-Mar-24	-190	
1820	Pipe Insulation Works Electrical instrument and Cabling Works	90 67	90 67	U	28-Nov-24		09-May-24 09-May-24	-203	
1830	Electrical instrument and Cabling Works	67	67	0% 09-Sep-24	15-Nov-24	04-1Viaf-24	оя-мау-24	-190 Change Lag from Predecessor 13-1795(6A) from FF60 to FF30	
C Train 5		193	108	15-May-24 A	16-Dec-24	25-Feb-24	24-May-24	-206	
1880	Pipe Connection Works to TPU and Pipebridge	90	44		_		24-Apr-24	-172	
1890	Pipe Insulation Works	90	90	U	28-Nov-24		24-May-24	-188	
900 Train 6	Electrical instrument and Cabling Works	67 179	67 108	0% 11-Oct-24	16-Dec-24 16-Dec-24		24-May-24	-206	
935(6A)	Installation 4 nos. of Transformers for Process Module 3	14	14	,	10-Dcc-24		18-Mar-24		
1950	Pipe Connection Works to TPU and Pipebridge	90	44	· · ·			29-Apr-24	-183	
960	Pipe Insulation Works	90	90	0% 31-Aug-24	28-Nov-24	25-Feb-24	24-May-24	-188	
970	Electrical instrument and Cabling Works	67	67		16-Dec-24		24-May-24		
Equipment I		267	175		21-Feb-25			-120	
	1 Installation	202	110				06-Oct-24	-73	
000-1(M63) 010	Condensate Tank & Equipments Delivery and installation (Module 1) Piping and Instrument Installation and Connection Works	80	36 80	,	05-Oct-24 18-Nov-24		30-May-24 07-Aug-24	-128	
010-1(6E)	Air Tight Test	14	14		02-Dec-24	-	-	-63	
020	Pipe Insulation Works	80	80	0% 30-Sep-24	18-Dec-24	19-Jul-24	06-Oct-24	-73	
030	Cable Laying and Termination Works	80	80	· · ·	18-Dec-24			-73	
	2 Installation	150	150	· · · · ·	21-Feb-25		24-Oct-24	-120	
040-1(M63)	Condensate Tank & Equipments Delivery and installation (Module 2) Diping and Instrument Installation and Connection Works	90	90 90		23-Dec-24	· ·		-153	
050	Piping and Instrument Installation and Connection Works Pipe Insulation Works	90	90 90	0% 25-Oct-24 0% 24-Nov-24	22-Jan-25 21-Feb-25	15-Jun-24 21-Jul-24	12-Sep-24 18-Oct-24	-132	
070	Cable Laying and Termination Works	90	90		_	27-Jul-24		-120	
Equipment	3 Installation	105	105	16-Oct-24	28-Jan-25	16-May-24	28-Aug-24	-153	
)80-1(M63)	Condensate Tank & Equipments Delivery and installation (Module 3)	90	90		13-Jan-25		13-Aug-24	-153	
)90	Piping and Instrument Installation and Connection Works	90 264	90 141		28-Jan-25		28-Aug-24	-153	
	Equipment Installation	90	90	· · · ·	18-Jan-25 28-Nov-24		12-Aug-24 10-Jul-24	-159	
130	dule 1 Installation Equipment, Piping and Instrument Installation and Connection Works	60	60	<u>_</u>	29-Oct-24		10-Jui-24	-141	
30-1(6E)	STG & TBS Piping hydrostatic test	7	7	0% 30-Oct-24	05-Nov-24		20-Jun-24	-138	
40	Turbine Hall Piping Insulation Works	60	60		28-Nov-24		10-Jul-24	-141	
50	Turbine Electrical installation and instrumentation Works	90	90	5		12-Apr-24		-141	
	dule 2 Installation	238	115	· · ·			09-Aug-24	-136	
70-3(7)	STG Module 2 unpack and assembly	27 60	24	5	· · ·		18-Mar-24	-190 Update Actual Start Date	
80 80-1(6E)	Equipment, Piping and Instrument Installation and Connection Works STG & TBS Piping hydrostatic test	7	60 7	0% 25-Sep-24 0% 24-Nov-24	24-Nov-24 01-Dec-24		17-May-24 24-May-24	-190 -190	
90	Turbine Hall Piping Insulation Works	60	60		24-Dec-24	-	-	-136	
200	Turbine Electrical installation and instrumentation Works	90	90	0% 01-Sep-24	30-Nov-24	08-May-24	05-Aug-24	-116	
210(6)	Install Maintenance Girder & Crane at Module 2 @+22.247mPd	21	1	7070 00 7401 2171			23-Feb-24	-190	Install Maintenance Gir
	dule 3 Installation	203	141				12-Aug-24	-159	TBS Tower 3 Tran
20-1(6H) 20-3(7)	TBS Tower 3 Transport to final position STG Module 3 unpack and assembly	4 30	4	•••• •••••j=••••	03-Sep-24 20-Oct-24		31-Mar-24 14-May-24	-156 Update Actual Start Date	
20-5(7)	Equipment, Piping and Instrument Installation and Connection Works	60	60		19-Dec-24		13-Jul-24	-159	
40	Turbine Hall Piping Insulation Works	60	60		18-Jan-25	-	12-Aug-24	-159	
50	Turbine Electrical installation and instrumentation Works	90	90	· · · ·	19-Dec-24	-	08-Aug-24	-133	
60(6) no Hall Eloc	Install Maintenance Girder & Crane at Module 3 @+22.247mPd	21	21 134	0% 29-Jun-24 A 15-Aug-24 A			15-Mar-24 12-Aug-24	-189 -152	
1 <b>ne Hall Elec</b> 180-1(6A)	Ctrical Room Equipment Installation Transport and Position 4 nos. of Transformers @ 1F (ZH)	150	134	<u> </u>	28-Sep-24		21-Apr-24	-160	
80-1(6A) 600	Other Associated Equipment Installation	90	90					-155	
310	Cable Laying and Termination for Module 1	80	80		17-Dec-24			-160 Update Original Duration from 90d to 80d	
30(7)	Cable Laying and Termination for Module 2	90	90		11-Jan-25	-	09-Aug-24	-155	
40(7)	Cable Laying and Termination for Module 3	90	90				12-Aug-24	-152	
	ectrical Room @+15.00mPD	136	90	, v	28-Nov-24			-133	
290-1(6B)	Switchgear & electrical equipment Installation 1F - I&C room (I/O, Server, Control Panel, Workstation)	120	90	25% 15-Aug-24 A	28-Nov-24	20-Apr-24	18-Jul-24	-133 Update Target Finish Date	

PAGE 13 OF 16

Sep 82	acilities, Phase 1 🛛 🕻	Environmental Protection Department
	Oct 83	Nov 84
Connection Works to TPU and I		84
		Electrical instrum
		Electrical instrum
	Transformers for Process Module 1	
onnection Works to TPU and I	Plpebridge	
		Electrical instrum
	Pipe Connection Works to TPU and Pipe	ebridge
		Electrical instrument and C
	lastellation data	f Terra forman for Decessor Madula 2
	Pipe Connection Works to TPU an	of Transformers for Process Module 2
		Electrical instrumer
	Pine Connectio	n Works to TPU and Pipebridge
	ripe connectio	
_	Installation 4 nos. of T	ransformers for Process Module 3
		Pipe Connection Works to TPU and Pipebridge
		:
	Condensate Tank & Equipmer	ts Delivery and installation (Module 1)
		Piping and In
1		
		Equipment, Piping and Instrument Installation an
		STG & TBS Piping hydrostatic test
I		
STG N	Nodule 2 unpack and assembly	
		Equ
Girder & Crane at Module 2 @	@+22.247mPd	
ansport to final position	······································	Module 3 unpack and assembly
	SIC	nour and assembly
	aboo Cirdor & Crono at Madula 2 a ano	7mPd
Install Mainten	ahce Girder & Crane at Module 3@+22.24	
	ance Girder & Crane at Module 3 @+22.24	
		ers @ 1F (2H)
		ers @ 1F (2H)
		ers @ 1F (2H)

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t T	市 格	对 - 波	1. 单 项	a series a	4)
KEPNE	SECHE	8-2803	III.A.100		86

Integrated	Macto	Managam
Integrateg	Wasie	ivialiauelli

D	Activity Name	Original	Remaining	Activity	6 Current Start	Current Finis	n Late Start	Late Finish	Total	M81 Remarks		ed Waste Manager
	num num	Duration	Duration			Guneric I mis		Edite i misir	Float		Aug 81	Sep 82
13-2290-2(6B)	Switchgear & electrical equipment Installation 1F - Generator Control Room (GPP,SP,DC batter Charger,Generator control	120	90	25	% 15-Aug-24 A	28-Nov-24	20-Apr-24	18-Jul-24	-133	Update Target Finish Date		02
13-2290-3(6B)	Switchgear & electrical equipment Installation 1F - Battery Room (AC UPS, DC Battery Charger)	120	90	25	% 15-Aug-24 A	28-Nov-24	20-Apr-24	18-Jul-24	-133	Update Target Finish Date		
13-2290-4(6B)	Switchgear & electrical equipment Installation 1F - HV Switch room (GCB)	90	90	0	% 31-Aug-24	28-Nov-24	20-Apr-24	18-Jul-24	-133	Update Original Duration from 120d to 90d	<b>–</b>	
13-2290-5(6B)	Monorail Hoist System installation in Turbine Hall (1st Floor @+15)	90	90	0	% 31-Aug-24	28-Nov-24	20-Apr-24	18-Jul-24	-133		•	
Turbine Hall Elec	ctrical Room @+23.50mPD	90	90		30-Aug-24 A	28-Nov-24	20-Apr-24	18-Jul-24	-133			
13-2280-2(6A)	Installation 6 nos. of Transformers @ Turbine Hall Electrical Room 3F 23.5mPD	60	6	909	% 30-Aug-24 A	05-Sep-24	13-Jul-24	18-Jul-24		Change Relationship from Predecessor		Installation 6 nos. of Trans
										05-3390-4(M46) from FS0 to FF0		
13-2290	Switchgear & electrical equipment Installation 3F (MCC-7,8,9,14,15,16, VSD ,soft starter,UPS)	90	90		% 31-Aug-24		20-Apr-24	18-Jul-24		Update Original Duration from 120d to 90d		
13-2290-6(6B)	Monorail Hoist System installation in Turbine Hall (3rd Floor @+23.5)	90	90		% 31-Aug-24			18-Jul-24	-133			
Compressor & CC	CW Bld Equipment Installation	247	94				17-Apr-24		-137			
Air Compressor E	Equipment Installation	243	90		25-Mar-24 A	28-Nov-24	20-Apr-24	18-Jul-24	-133			
13-2320	Air Compressor Rm Equipment installations	90	9	909	% 25-Mar-24 A	08-Sep-24	11-May-24	19-May-24	-112			Air Compressor Rm
13-2700(M62)	Piping installation and connections	90	32		% 01-Jun-24 A		18-May-24		-112			
13-2710(M62)	Electrical Instrumentation and Insulation Installations	90	90		% 31-Aug-24		20-Apr-24		-133			
13-2720(M62)	Cable Laying and Termination Works for Air Compressor	90	90		% 31-Aug-24		20-Apr-24		-133		-	
CCCW Bld Equip	ment Installation	186	93		01-May-24 A	02-Dec-24	17-Apr-24	18-Jul-24	-137			•
13-2330	CCCW Equipment Installation	100	27	73	% 01-May-24 A	27-Sep-24	17-Apr-24	13-May-24	-137			
13-2340	Piping installation and connections	90	54		% 01-Jun-24 A		· ·	12-Jun-24	-137			
13-2350	Electrical Instrumentation and Insulation Installations	90	90		% 04-Sep-24	02-Dec-24		18-Jul-24	-137			
13-2360	Cable Laying and Termination Works	90	90	0	% 04-Sep-24	02-Dec-24	20-Apr-24	18-Jul-24		Change Lag from Predecessor 13-2350 from FF10 to FF0		
		1/0	105		20 Eab 24 A	12 Dec 24	OF Apr 24	04 Oct 24	_			
	3Id Process Equipment Installation	168	105				05-Apr-24		-68			
13-2390	Mechanical Equipment and Piping Installation	150	60		% 20-Feb-24 A		03-May-24		-126			
13-2410	Electrical and instrumentation Installation	90	90		% 31-Aug-24		21-Apr-24			Update Original Duration from 120d to 90d		
13-2410-1(6D)	Transformer @ WTP Bldg Switchroom +6.5mPD	90	90		% 31-Aug-24	28-Nov-24	· ·	03-Jul-24		Update Original Duration from 120d to 90d		
13-2410-3(6D)	Delivery and fabrication of Water Tank @+6.5mPD	90	36		% 20-Feb-24 A		· ·	01-Jun-24	-126			
13-2410-4(6B)	EOTC & Monorail Hoist System installation in WTP +6.5mPD	90	63		% 11-Aug-24 A			06-Oct-24		Update Actual Start Date		
13-2410-5(6B)	Monorail Hoist System installation in WTP +13.5mPD	90	90		% 31-Aug-24	28-Nov-24	· ·	24-Jul-24	-127			
13-2410-6(6B)	MCC-12 @ WTP Switch Room	90	90	-	% 15-Sep-24		20-Apr-24	18-Jul-24	-148			· · · · · · · · · · · · · · · · · · ·
13-2410-7(6B)	DB for MCC-12 @ WTP Switch Room	90	90		% 15-Sep-24		20-Apr-24	18-Jul-24	-148			
13-2410-8(6B)	UPS DB @ WTP Switch room @+6.5mPd	90	90	0	% 31-Aug-24	28-INOV-24	20-Apr-24	18-Jul-24		Change Lag from Predecessor 13-2410-1(6D) from SS15 to SS0		
13-2410-9(M55)	WTP chemical storage tank installation	60	18	709	% 06-May-24 A	17-Sep-24	02-Jul-24	19-Jul-24	-60			WT
	BId Equipment Installation	185	93				20-Apr-24		-136			
13-2430	Deliver and Position of 11kV Trans formers @+6.5mPD (KS)	15			% 31-Aug-24		20-Apr-24					Deliver a
13-2430	132kV GIS Switch Gear @+6.5mPD	110	72		% 15-May-24 A	· ·	· ·			Update Target Finish Date		
13-2450	GIS Insulation Switchboard installation	110	72		% 15 May 24 A			03-Jul-24	_	Update Target Finish Date		
13-2460	Main Switch Board Installation	110	72		% 15-May-24 A		· ·	03-Jul-24	_	Update Target Finish Date		
13-2470	Other Associated Equipment Installation	30	30		% 02-Nov-24	02-Dec-24	19-Jun-24	18-Jul-24		Change Lag to Successor 13-2480 from		
13 2170		50	50	0.	0 02 1101 24	02 000 24	17 501124	10 501 24		FF15 to FF0		
13-2480	Cable Laying and Termination	90	90	0	% 03-Sep-24	02-Dec-24	20-Apr-24	18-Jul-24	-136	Change Lag from Predecessor 13-2430		
										from FS-7 to SS0; Update Original Duration		
		100	100		47.0.1.04	07.4 05	00.1.1.04	05.0	_	from 110d to 90d		
	y & Storage Bld Equipment Installation	192					09-Jul-24					
13-2500	Workshop Equipment	150			% 29-Nov-24							
13-2630-2(6D)	EOTC Hoist System installation in Vehicle Workshop +6.5mPD	90	90		% 17-Oct-24		09-Jul-24					
eawater Intake Cl	hamber	90	90		25-Sep-24	24-Dec-24	21-May-24	18-Aug-24	-128			
13-2540-1(6B)	Monorail Hoist System installation in Sea Water Intake Pump Area	90	90	0	% 25-Sep-24	24-Dec-24	21-May-24	18-Aug-24		Change Lag to Successor 16-1300 from		:
										FS0 to FS-30		
13-2540-2(7)	Seawater Intake Pumps and Associated equipment installation	60	60	0	% 25-Oct-24	24-Dec-24	20-Jun-24	18-Aug-24		Change Lag to Successor 16-1300 from FS0 to FS-30		i
auinment Installs	ation at External Area	65	65		11-Nov-24	14. Jan-25	20-Jun-24	26-Aug-24	_			
13-2520	Fuel Oil Reception and Distribution System Installation at Berth Area	60	60		% 11-Nov-24	09-Jan-25		26-Aug-24	_			:
3-2525	Weighbridge Equipment Installation	60	60		% 16-Nov-24			18-Aug-24		New Activity		
13-2530	Weighbridge System & Equipment Installation	60	60 14E		% 16-Nov-24					Remove Predecessor 08-2430(M79)		
xternal Process F		237	145				25-Feb-24					
Process and Non-	-process Piping Works	237	145		01-May-24 A	22-Jan-25	25-Feb-24	06-Oct-24	-108			
Piping from Mod	lule 1 to Turbine Bld	189	97		01-May-24 A	05-Dec-24	25-Apr-24	23-Jul-24	-135			
13-2550	Piping Installation Works	60	21	65	% 01-May-24 A	20-Sep-24	04-May-24	24-May-24	-119			
13-2560	Piping Pressure Test	60	60		% 07-Sep-24		25-Apr-24					
13-2570	Piping Insulation Works	60	60	0	% 07-Oct-24		25-May-24		-135			
Pipe Rack Piping	g from Module 2 & 3 to Turbine Bld	122	122		31-Aug-24	31-Dec-24	25-Feb-24	23-Jun-24	-190			
13-2580	Piping Installation Works	60	60	00	% 31-Aug-24	29-Oct-24	25-Feb-24	24-Apr-24	-188			
13-2590	Piping Pressure Test	60	60		% 02-Oct-24		26-Mar-24	· ·				
13-2600	Piping Insulation Works	60	60		% 01-Nov-24		25-Apr-24					1
	ping from Turbine Bld 1 to CCCW Bld	90	90		31-Aug-24		25-Apr-24		-128			
13-2680	Piping Pressure Test	60	60		% 31-Aug-24		25-Apr-24			Remove Predecessor 13-2230-1(6E) FF0		
13-2690	Piping Insulation Works	60	60		% 30-Sep-24		25-May-24		-128			
	ping from Turbine Bld 2&3 to CCCW Bld	90	90		31-Aug-24		08-Jun-24					
					, v							
13-2710	Piping Pressure Test	60	60		% 31-Aug-24			06-Aug-24				
13-2720	Piping Insulation Works	60	60		% 30-Sep-24	28-Nov-24		05-Sep-24				1
	ping from Turbine Bld to ACC 1	120	120		20-Sep-24			06-Oct-24	-103			
		1 10	10	00	1/ 20 Can 24	18-Nov-24	09-Jun-24	07-Aug-24	-103			
13-2640	Piping Installation Works	60	60		% 20-Sep-24						1	
	Piping Installation Works       Piping Pressure Test       Piping Insulation Works	60 60 60	60 60 60	09	% 20-Sep-24 % 20-Oct-24 % 19-Nov-24	18-Dec-24		06-Sep-24	-103			

3-Month Rolling Programme (August 2024) PAGE 14 OF 16

Critical Remaining Work •

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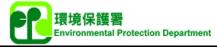
anagement Fac 202 82	4 Oct 83	Nov 84
nos. of Transformers @ Turb	ne Hall Electrical Room 3F 23.5mPD	
oressor Rm Equipment instal	ations Piping installation and connections	
co	CW Equipment Installation Pipin	g installation and connections
		Mechanical Equipment and Piping Install
	Delivery and fabrication of Water Tank @+6	5mPD EOTC & Monorail Hoist System installation in
WTP chemical storag	e tank installation	
Deliver and Position of 11k	V Trans formers @+6.5mPD (KS)	132kV GIS Switch Gear @+6. GIS Insulation Switchboard in Main Switch Board Installation
Piping Installation	n Works	Piping Pressure Test
	P	ping Installation Works
I		ping Pressure Test
		Piping Installat
Actrual Mileston		

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		Duration	Duration	Complete		Late Start	Late Finish	Float		Aug 81	Sep 82
Pipe Bridge C Pipi	ing from Turbine BId to ACC 2	60	60	24-Nov-24	22-Jan-25	15-Jul-24	12-Sep-24	-132		01	82
13-2700(M64)	Piping Installation Works	60	60	0% 24-Nov-24	22-Jan-25	15-Jul-24	12-Sep-24	-132			
himney Flue Gas	Ducting Works	116	116	25-Jun-24 A	24-Dec-24	22-May-24	13-Oct-24	-72			
13-2510(7)	Fabrication and Delivery of Chimney Flue Gas Duct	110	82			22-May-24	*		Update Actual Start Date		
13-2610	Line 1 & 2 Flue Gas Duct Erection Works and weld test	24	24	0% 07-Nov-24	30-Nov-24	13-Aug-24	05-Sep-24		Update Activity Name and Original Duration from 80d to 24d; Update Lag from		
									Predecessor 13-2510(7) from FF30 to		
13-2610-0(M81)	Line 3 & 4 Flue Gas Duct Erection Works and weld test	28	28	0% 27-Nov-24	24-Dec-24	18-Aug-24	14-Sep-24	-101	New Activity		
13-2630	CEMS Delivery and installation (3nrs.)	30	30	0% 22-Sep-24	21-Oct-24	14-Sep-24		-8			
ndscape, Externa	al Road and Drains Works	1042	280	28-Apr-22 A	06-Jun-25	24-Feb-24	18-Aug-26	438			
te Wide/External E	3S System	203	203	16-Nov-24	06-Jun-25	05-Jul-24	26-Jan-25	-131			
4-1000(M81)	BS Works for Weighbridge	45	45		30-Dec-24	05-Jul-24			New Activity		
4-1100(6D)	Site Wide and External BS System	200	200	0% 19-Nov-24	06-Jun-25	11-Jul-24		-131			
kternal Utilities Wo		1042	280	·	06-Jun-25		, v				
External Utilities Ca		334	280		06-Jun-25	07-Mar-24		-108			
14-1055(7)	Cable Duct and Drawpit Utility Trench Construction Section UT2 (27nr Semi-precast segments @3nrs/5d)	280	280 27	0% 31-Aug-24 55% 15-Jun-24 A	06-Jun-25	,	18-Feb-25	-108 -169			
14-4010(7) 14-4025(7)	Utility Trench Construction Section UT2b (11nr Semi-precast segments @2nrs/5d)	45	- 27	80% 02-Jul-24 A	-	15-Mar-24 02-Apr-24			Change Relationship from Predecessors		Utility Tr
14-4023(7)		-5	,	0070 02-50F24 A	12-30p-24	02-Api-24	10-Api-24		05-5040 & 05-5050 from FS0 to SS0		
14-4030(7)	Utility Trench Construction Section UT4 (36nr Semi-precast segments @3nrs/5d)	70	70	0% 22-Sep-24	01-Dec-24	01-Apr-24	09-Jun-24	-175			
14-4035(M80)	Utility Trench Construction Section FT1	70	70	0% 22-Sep-24	01-Dec-24	15-Apr-24		-161			. <u></u>
14-4040(7)	Utility Trench Construction Section UT5 (29nr Semi-precast segments @3nrs/5d)	60	39	35% 15-Jul-24 A			19-May-24				
14-4060(7) 14-4070(7)	Utility Trench Construction Section UT7 (43nr Semi-precast segments @3nrs/5d) Utility Trench Construction Section UT8 (90nr Semi-precast segments @3nrs/5d)	80	80 150	0% 12-Sep-24 0% 10-Nov-24	30-Nov-24 08-Apr-25	07-Mar-24 05-May-24	,	-189 -189			
14-4070(7)	Utility Trench Construction Section UT8 (90nr Semi-precast segments @3nrs/5d) Utility Trench Construction Section UT9 (62nr Semi-precast segments @3nrs/5d)	110	150	0% 10-Nov-24	27-Feb-25	05-May-24 05-May-24		-189			
4-4090(7)	Utility Trench Construction Section UT10 (25nr Semi-precast segments @3nrs/5d)	45	45	0% 22-Sep-24	06-Nov-24	15-Jun-24	-	-109			
	Signal Cable Laying in Utility Trench	99	99		07-Dec-24	11-Apr-24		-142			
14-4100(7)	External Power & Signal Cable Laying - Substation to Electrical Building and ACC	60	60	0% 31-Aug-24	29-Oct-24	20-May-24		-103		, l <b>i</b>	
14-4110(7)	External Power & Signal Cable - Electrical Building to PB Module 1 & 2 and CCCW	60	60	0% 27-Sep-24	25-Nov-24	11-Apr-24		-169	Change Lag from Predecessor 05-4580		
									from FS0 to FF0		
14-4130(7)	External Power & Signal Cable Laying - Electrical Building to MT & WTP, Process Building Module 1	60	60	0% 09-Oct-24	07-Dec-24	20-May-24	18-Jul-24		Change Relationship from Predecessor 05-4580 from FS0 to FF0		
xternal Watermair		120	120	29-Nov-24	28-Mar-25	24-Jun-24	21-Oct-24	-158			
4-4210(7)	Vatermain Laying - ACC Area to CCCW (Appx. 70m @6m/3d)	35	35	0% 29-Nov-24	02-Jan-25	17-Sep-24		-73			
4-4230(7)	Watermain Laying - Recence to Cecew (Appx: 1011 @ 011/30) Watermain Laying - Substation to Reception Pavilion (Approx. 240m @6m/3d)	120	120	0% 29-Nov-24	28-Mar-25	24-Jun-24		-158			
rainage Works		240	240	31-Aug-24	27-Apr-25	24-Feb-24		478			;;
Overtopping Drain	System	162	162	31-Aug-24		24-Feb-24	°.	163			
East Culvert (3.5m x 2	· ·	40	40	28-Sep-24		12-Jun-25		257			
14-2020	Rectangular Section (69m @10m/5d)	40	40	0% 28-Sep-24		12-Jun-25		257			
West Culvert (2.5m x		162	162	31-Aug-24		24-Feb-24		-61			
14-3010	Pipe Section (69m @5m/d)	62	62	0% 31-Aug-24	31-Oct-24	24-Feb-24	25-Apr-24	-189		,	
14-3020	Rectangular Section (184m @10m/5d)	100	100	0% 01-Nov-24	08-Feb-25	01-Sep-24	09-Dec-24	-61			
U/G Storm Draina	ge System	240	240	31-Aug-24	27-Apr-25	26-Mar-24	20-Nov-24	-158			
14-1000(6D)	External Drainage System Construction Works (Common trench construction Utility Trench)	220	220	0% 20-Sep-24	27-Apr-25		20-Nov-24				
14-1010(M81)	Construction of Outfall-01	60	60	0% 31-Aug-24	29-Oct-24		-		New Activity		
14-1020(M81)	Construction of Outfall-02	60	60	0% 30-Oct-24		25-May-24	1		New Activity		
U/G Wastewater D	5 7	200	200	20-Sep-24		15-Apr-24		-158			
14-1000-1(M55)10	External Sewage Drainage System Construction Works (Common trench construction Utility Trench)	200	200 60	0% 20-Sep-24 01-Oct-24		15-Apr-24	1		Update Original Duration from 220d to 200		
Brine Discharge P						20-Jun-26					
14-1070(M81)	Brine Discharte Outfall Prefabrication	60 180	60 90	0% 01-Oct-24	29-Nov-24 28-Nov-24	20-Jun-26 16-Apr-24		-137	New Activity	·	,
arthing System	Installation of Cround Earthing Mosh										
6-1900-2(6)	Installation of Ground Earthing Mesh	180 210	90 210			16-Apr-24 08-Jun-24		-137			
kternal Road Work 4-1010-2(6D)	KS Road Works	210	210		-				Change Lag from Predecessor 08-1320(6)		
		210	210	0% 30-Oct-24	21-1VIdy-20	08-Jun-24	03-JdH-23	- 144	from SS60 to SS30		
orks By CLP		210	123	20-Jul-24 A	31-Dec-24	19-May-24	18-Sep-24	-104			
<u> </u>	ion Works by CLP	210	123	20-Jul-24 A	31-Dec-24	19-May-24	18-Sep-24	-104			
-1007	Telecom / Digital / Security / Metering Equipment Installation	210				-					
ering & Energiza		4	4		29-Nov-24	-					
ergization of Sub		4	4		29-Nov-24		, in the second s				
-1040-8(7)	Energization of Sub System - CCCW Building Area (EDG Temporary Power)	4	4		29-Nov-24		, v				
sting & Commiss		221			08-Mar-25						,
		221			08-Mar-25		, in the second s				
	missioning Tests	14	107	-		19-Jul-24	-				
IkV Electrical Sys							, v				
	CW Building 11kV T&C	14	14			19-Jul-24	, v				
6-1940(1)	Systemwise Construction Completion Inspection and Testing	14	14 14		12-Dec-24 12-Dec-24	19-Jul-24 19-Jul-24	01-Aug-24 01-Aug-24				
ompressor & CCC							-				
Air Compressor		14	14		12-Dec-24		01-Aug-24				
16-1210	Systemwise Construction Completion Inspection	14	14			19-Jul-24					
sh Treatment Equ		30	30			24-Jun-24		-104			
16-1970(M62)	Systemwise Construction Completion Inspection - Module 1	30	30 14	0% 06-Oct-24		24-Jun-24		-104			
ontrol SCADA Sy	Stems F&C	14	14	28-INOV-24	11-Dec-24	19-Jul-24	or-Aug-24	-132			
In the D	lling Programme (August 2024)								Actual Work	Critical Remaining Wo	'ork 🔷 🛛 🔷 A

ntract No. EP/SP/66/12
nent Facilities, Phase 1



nem i a		
20.	24 Oct	Nov
	83	84
		Fabrication and
	CEMC Deliver	Land is shall at it as (2 and )
	CEMS Delivery	and installation (3nrs.)
Utility	Trench Construction Section UT2 (27nr Semi-precas	tsegments @3nrs/5d)
Construction Se	ction UT3b (11nr Semi-precast segments @2nrs/5d)	
	· · · · · · · · · · · · · · · · · · ·	
	Utility Trench Construction Section UT	5 (29nr Semi-precast segments @3nrs/5d)
	-	
		Litility Transk Construction Construction
		Utility Trench Construction Section UT1
		xternal Power & Signal Cable Laying - Substation to
	·	Exterr
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		Rectangular Section (69m @10m/5d)
		Pipe Section (69m @5m/d)
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		Systemwise Construction Completion Inspe
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Milestone	9	

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KEPHIL STGHES	RS- 2005 NO. A DIST VESTURE								Integra	ted Waste Manageme
Adivity ID	Activity Name	Original Duration		Activity % Current Sta Complete	t Current Finis	h Late Start	Late Finish	Total M81 Remarks Float	Aug 81	Sep 82
16-1780	Systemwise Construction Completion Inspection	14	14	0% 28-Nov-24	11-Dec-24	19-Jul-24	01-Aug-24	-132		
Earthing & Light	tning Protection System T&C	10	10	29-Nov-24	08-Dec-24	19-Jul-24	28-Jul-24	-133		
16-1970(6D)	Systemwise Construction Completion Inspection	10	10	0% 29-Nov-24	08-Dec-24	19-Jul-24	28-Jul-24	-133		
Incineration Proc	cessing T&C	221	189	15-May-24	A 08-Mar-25	05-Apr-24	23-Aug-24	-197		
Module 1 & Equ	uipments (Train 1 & 2)	210	178	15-May-24	A 25-Feb-25	05-Apr-24	23-Aug-24	-186		
16-1540	Site Acceptance Test (Systemwise Construction Completion Inspection)	120	110	8.33% 15-May-24	A 19-Dec-24	05-Apr-24	23-Jul-24	-149 Remove Predecessor 11-1070 FF15		
16-1550	Site Acceptance Test (Pre-commissioning Test)	120	120	0% 29-Oct-24	25-Feb-25	26-Apr-24	23-Aug-24	-186	_	
Module 2 & Equ	uipments (Train 3 & 4)	120	120	09-Nov-24	08-Mar-25	10-Apr-24	07-Aug-24	-213		
16-1560	Site Acceptance Test (Systemwise Construction Completion Inspection)	120	120	0% 09-Nov-24	08-Mar-25	10-Apr-24	07-Aug-24	-213		

3-Month Rolling Programme (August 2024)	Actual Work	Critical Remaining Work	<b>♦</b>	Actrua
PAGE 16 OF 16	Remaining Work	♦ ♦ Milestone	•	<ul> <li>Critica</li> </ul>

ntract No. EP/SP/66/12 ment Facilities, Phase 1	<mark>境保護署</mark> wironmental Protection Department
2024 Oct	Nov
83	84

# Appendix B Summary of Implementation Status of Environmental Mitigation

## Appendix B

Table B.1 Implementation	Schedule for Air Quality Measures for the IWMF at the artificial island near SKC
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			Lesster (		Imple	Implementation Stag		tages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Status and Remarks	
S3b.8.1	<ul> <li><u>Air Pollution Control (Construction Dust)</u> <u>Regulation &amp; Good Site Practices</u></li> <li>Use of regular watering, with complete coverage, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather.</li> <li>Use of frequent watering for particularly dusty construction areas and areas close to ASRs.</li> <li>Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines.</li> <li>Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.</li> <li>Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.</li> <li>Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.</li> <li>Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading</li> </ul>	Work site / During the construction period	Contractor					Air Pollution Control (Construction Dust) Regulation	Implemented N/A for dust control measures for transportation outside site boundary	

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				Imple	ementa	ation S	tages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Status and Remarks
	<ul> <li>points, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods.</li> <li>Imposition of speed controls for vehicles on unpaved site roads. Ten kilometers per hour is the recommended limit.</li> <li>Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs</li> <li>Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise.</li> </ul>								
S3b.6.3	<ul> <li>Odour Removal by Deodorizers</li> <li>Deodorizers with 95% odour removal efficiency would be installed for the air ventilated from the mechanical treatment plant before discharge to the atmosphere</li> </ul>	Waste reception halls, the waste storage area, the mechanical treatment plant / During design & operation phase	IWMF Operator	~		✓		EIAO-TM	N/A
S3b.8.2	Air Pollution Control and Stack Monitoring	IWMF stack emissions / During	IWMF Operator	~		~		EIAO-TM, Supporting Document for	N/A

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EIA Ref       Legisition Measures       Decidin/ Timing       Implementation Agent       Des       C       O       Dec       Legisition Agent       Status and Guidelines <ul> <li>Air pollution control and stack monitoring system will be installed for the IWMF to ensure that the emissions from the IWMF stack will meet the proposed target emission limits.</li> <li>Voluntary Enhancement Measures in Flue Gas Cleaning and Emission Monitoring:</li> <li>Two-stage bag filter system with respectively;</li> <li>In addition to SCR, provide SNCR for removal of NO; tighten emission limit for half-hourly and daily NO, to 160 mg/m3 and 80 mg/m3, respectively;</li> <li>Well-mixed feed waste: to minimize the fluctuation of pollutant loading on the flue gas treatment system;</li> <li>Two more AQMSs would be set up at South Lantau and Shek Kwu Chau respectively;</li> <li>Limit levels will be set under the IWMF DBO contract to require that waste feed shall cease if any of the ari pollutant has exceeded 95% of the emission concentration limits as stipulated</li> </ul> Implementation Agent     Des     C     O     Dec     Legisiation Agints		Environmental Protection			Imple	ementa	tion S	tages*	Relevant	Implementation
<ul> <li>Air pollution control and stack monitoring system will be installed for the IWMF to ensure that the emissions from the IWMF stack will meet the proposed target emission limits.</li> <li>Voluntary Enhancement Measures in Flue Gas Cleaning and Emission Monitoring;</li> <li>1. Two-stage bag filter system with reagent recirculation;</li> <li>2. In addition to SCR, provide SNCR for removal of NO_x; tighten emission limit for half-hourly and daily NO_x to 160 mg/m³ and 80 mg/m₃ respectively;</li> <li>3. Well-mixed feed waste: to minimize the fluctuation of pollutant loading on the flue gas treatment system;</li> <li>4. Two more AdMSs would be set up at South Lantau and Shek Kwu Chau respectively;</li> <li>5. Limit levels will be set under the IWMF DBC contract to require that waste feed shall cease if any of the air pollutant has exceeded 95% of the emission concentration limit as stipulated</li> </ul>	EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec		Status and
concentration limit as stipulated		<ul> <li>Air pollution control and stack monitoring system will be installed for the IWMF to ensure that the emissions from the IWMF stack will meet the proposed target emission limits.</li> <li>Voluntary Enhancement Measures in Flue Gas Cleaning and Emission Monitoring: <ol> <li>Two-stage bag filter system with reagent recirculation;</li> <li>In addition to SCR, provide SNCR for removal of NO_x; tighten emission limit for halfhourly and daily NO_x to 160 mg/m³ and 80 mg/m₃ respectively;</li> <li>Well-mixed feed waste: to minimize the fluctuation of pollutant loading on the flue gas treatment system;</li> <li>Two more AQMSs would be set up at South Lantau and Shek Kwu Chau respectively;</li> <li>Limit levels will be set under the IWMF DBO contract to require that waste feed shall cease if any of the air pollutant has</li> </ol> </li> </ul>	design & operation	Agent					Guidelines Application for Variation of Environmental Permit (EP-	Remarks
in the Special Process license;		concentration limit as stipulated								

				Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	<ol> <li>Each incineration chamber shall be fitted with auxiliary burners to ensure complete burn out of the combustion gases.</li> </ol>								
-	<ul> <li>Treated Fly Ash and Air Pollution Control Residues:</li> <li>During testing and commissioning, the Contractor shall sample and test over container of treated fly ash and</li> </ul>	IWMF stack emissions / During design & operation phase	IWMF Operator					Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012)	N/A

				Imple	ementa	ation S	Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	of the Environmental Permit. The								
	Contractor shall take two samples								
	from each shipload for testing and								
	the Contractor shall not dispose of								
	any of that shipload of treated fly ash								
	and air pollution control residues until								
	the test results confirm that the two								
	samples conform to the limits and the								
	criteria. If a test result confirms that								
	any one of the two samples does not								
	conform to the limits and the criteria,								
	the Contractor shall be required to								
	sample and test every shipload of								
	treated fly ash and air pollution								
	control residues for conformance to								
	the Incineration Residue Pollution								
	Control Limits and leachability								
	criteria for the next six months. The								
	Contractor shall make due allowance								
	in the Design and the Operation for								
	the time to sample and test treated fly								
	ash and air pollution control residues								
	before disposal.								
	<ul> <li>Provided that there is no non-</li> </ul>								
	conformance to the Incineration								
	Residue Pollution Control Limits and								
	leachability criteria shown in Table 2								
	of the Environmental Permit								
	throughout a continuous sixmonth								
	period in the Operation Period, the								
	testing frequency shall be reduced to								
	monthly interval.Two samples from								
	one shipload of treated fly ash and air								

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	pollution control residues shall be collected and tested for conformance to the Incineration Residue Pollution Control Limits and leachability criteria. The Contractor shall not dispose of any of the treated fly ash and air pollution control residues in the shipload which the samples are taken until the test results confirm that the samples conform to the limits and the criteria. If the test result confirm that any one of the samples does not conform to the limits and the criteria, the Contractor shall be required to sample and test every shipload of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and leachability criteria shown in Table 2 of the Environmental Permit for the next six months.								
	<ul> <li>Bottom Ash:</li> <li>During testing and commissioning, the Contractor shall sample and test every container of bottom ash for conformance to the leachability criteria shown in Table 2 of the Environmental Permit. If a test result confirms that any one of the samples does not conform to the criteria, the Contractor shall be required to sample and test every</li> </ul>	IWMF stack emissions / During design & operation phase	IWMF Operator	×		✓		Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012)	N/A

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				Imple	ementa	ation S	Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	container of bottom ash for								
	conformance to the leachability								
	criteria for the next six months.								
	• During the first six months of								
	operation, if the requirements in (d)								
	could be fully conformed with, the								
	Contractor shall sample and test one shipload of bottom ash each								
	month for conformance to the								
	leachability criteria shown in Table 2								
	of the Environmental Permit. The								
	Contractor shall take two samples								
	from the shipload for testing and the								
	Contractor shall not dispose of any								
	of that shipload of bottom ash until								
	the test results confirm that the two								
	samples conform to the criteria. If a								
	test result confirms that any one of								
	the two samples does not conform								
	to the criteria, the Contractor shall								
	be required to sample and test each								
	shipload of bottom ash for								
	conformance to the leachability criteria for the next six months. The								
	Contractor shall make due								
	allowance in the Design and the								
	Operation for the time to sample and								
	test bottom ash before disposal.								
	<ul> <li>Provided that there is no non-</li> </ul>								
	conformance to the leachability								
	criteria shown in Table 2 of the								
	Environmental Permit throughout a								
	continuous six month period in the								

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	Operation Period, the Contractor shall be allowed to take two samples from any one shipload of bottom ash once every six months for conformance to the leachability criteria. The Contractor shall not dispose of any of the bottom ash in the shipload which the samples are taken until the test results confirm that the samples conform to the criteria. If the test result confirm that any one of the samples does not conform to the criteria, the Contractor shall be required to sample and test one shipload of bottom ash each month for conformance to the leachability criteria shown in Table 2 of the Environmental Permit for the next six months as stipulated above.								

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

#### Table B.2 Implementation Schedule for Noise Impact Measures for the IWMF at the artificial island near SKC

	Environmental Protection				Imple	ementa	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Implemen Timing Agen		tion	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
S4b.8	Good site practices to limit noise emissions a source and use of quiet plant and working methods, whenever practicable.	Work Sites / Construction Period	EPD and contractors	its		~			EIAO-TM	Implemented
& S4b.8	All the ventilation fans installed in the below will be provided with silencers or acoustics treatment. (i) Stack of the incinerator (ii) Ventilation systems within the IWMF Enclosure and discharge silencer or other acoustic treatment equipment should be installed in the air-cooled chillers Other than provision of silencer or other acoustic treatment equipment for the stack of the incinerator and ventilation system, the detailed design should incorporate the following good practice in order to minimize the nuisance on the neighboring NSRs. (i) The exhaust of the ventilation system and any opening of the building should be located facing away from any NSRs; and	Within IWMF area / Construction Period	EPD and contractors	its	×		×		EIAO-TM	N/A
	<ul> <li>Louver or other acoustic treatment equipment could also be applied to the exhaust of the ventilation system.</li> </ul>									

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				Imple	ementa	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures Timing Agent	Des	С	ο	Dec	Legislation and Guidelines	Implementation Status and Remarks		
-	<ul> <li><u>Voluntary Enhancement Measure</u></li> <li>Provision of air-conditioner and double glazed windows to nearby NSR at Shek Kwu Chau (i.e. SARDA) as precautionary measures.</li> </ul>	IWMF site	Design team, contractor, IWMF operator	•	~			Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012)	Implemented

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

#### Table B.3 Implementation Schedule for Water Quality Measures for the Artificial Island near SKC

			Implementation Agent	Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing		Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
S5b.8.1.1			Contractor					Guidelines EIAO-TM; ProPECC PN 2/23; WPCO	Deficiency of Mitigation Measures but rectified by the Contractor

				Imple	ement	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 2/23, which states that the retention time for silt/sand traps should be 5 minutes under maximum flow conditions. The detailed design of the sand/silt traps shall be undertaken by the contractor prior to the commencement of construction.								
	<ul> <li>Water pumped out from foundation piles must be discharged into silt removal facilities.</li> </ul>								
	<ul> <li>Measures should be taken to minimize the ingress of site runoff and drainage into excavations. Drainage water pumped out from excavations should be discharged into storm drains via silt removal facilities.</li> </ul>								
	• During rainstorms, exposed slope/soil surfaces should be covered by a tarpaulin or other means, as far as practicable. Other measures that need to be implemented before, during and after rainstorms are summarized in ProPECC PN 2/23.								
	• Exposed soil areas should be minimized to reduce potential for increased siltation and contamination of runoff.								
	Earthwork final surfaces should be well compacted and subsequent permanent								

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				Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	<ul> <li>work or surface protection should be immediately performed.</li> <li>Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms.</li> </ul>								
S5b.8.1.2	-	Work site / During the construction period	Contractor		V			EIAO-TM; ProPECC PN 2/23; WPCO	Deficiency of Mitigation Measures but rectified by the Contractor

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				Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
S5b.8.1.3	There is a need to apply to EPD for a discharge license for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge license. All the run-off and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS. The beneficial uses of the treated effluent for other on-site activities such as dust suppression and general cleaning etc., can minimize water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the relevant WPCO license which is under the ambit of regional office of EPD.	During the construction	Contractor		~			EIAO-TM; ProPECC PN 2/23; WPCO	Implemented Discharge License was issued on 15/02/2022
S5b.8.1.4	Accidental Spillage Contractor must register as a chemical waste producer if chemical wastes would be produced from construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	Work site / During the construction period	Contractor		~			EIAO-TM; ProPECC PN 2/23; WPCO; WDO	Deficiency of Mitigation Measures but rectified by the Contractor
S5b.8.1.5		During the construction	Contractor		<b>v</b>			EIAO-TM; ProPECC PN 2/23; WPCO; WDO	Implemented

				Imple	ementat	tion S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	appropriately equipped to control these discharges.								
S5b.8.1.6	Oils and fuels should only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas should be sited on sealed areas in order to prevent spillage of fuels and solvents to the nearby watercourses. All waste oils and fuels should be collected in designated tanks prior to disposal.	During the construction	Contractor		~				Deficiency of Mitigation Measures but rectified by the Contractor
S5b.8.1.7	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows:	Work site / During the construction period	Contractor		~			EIAO-TM; ProPECC PN 2/23; WPCO; WDO	Implemented
	<ul> <li>Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport.</li> <li>Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents.</li> <li>Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.</li> </ul>								

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	Environmental Protection Measures / Mitigation Measures			Implementation Stages*				Relevant	
EIA Ref		Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
S5b.8.1.8	<u>Sewage Effluent</u> Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor would be responsible. For appropriate disposal and maintenance of these facilities.	Work site / During the construction period	Contractor		~			EIAO-TM; ProPECC PN 2/23; WPCO	Implemented
S5b.8.1.9		penou	Contractor					EIAO-TM; WPCO, Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012) Further Environmental Permit No. FEP- 01/429/2012/A	N/A

	Environmental Protection Measures / Mitigation Measures			Imple	emen	tation S	stages*	Relevant	
EIA Ref		Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	of the North Western seawall, away from the identified coral communities and will be shielded by silt curtains systems to control sediment plume dispersion.								
	• The silt curtain system at marine access opening should be closed as soon as the barges passes through the marine access opening in order to minimize the period of curtain opening. Filling should only be carried out behind the silt curtain when the silt curtain is completely closed.								
	• To enhance the effectiveness of the silt curtain at the marine access, the northern breakwater would be built before the commencement of the reclamation to reduce the current velocity towards the marine access opening.								
	• The silt curtain system at marine access opening should be regularly checked and maintained to ensure proper functioning.								
	• Where public fill is proposed for filling below +2.5mPD, the fine content in the public fill will be controlled to 25% which is in line with the CEDD's General Specification;								
	• The filling for reclamation should be carried out behind the seawall. The filling material should only consist of public fill, rock and sand. The filling composition and filling rates at each filling area should follow those delineated in Table 1 of the FEP-01/429/2012/. The filling above high watermark is not restricted;								

	Environmental Protection Measures / Mitigation Measures			Impl	ementa	ation S	Stages*	Relevant	Implementation Status and Remarks
EIA Ref		Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	<ul> <li>No dredging should be carried out within 16m to the nearest non-translocatable coral community;</li> </ul>								
	• Daily site audit including full-time on-site monitoring by the ET is recommended during the dredging for anti-scouring protection layer for checking the compliance with the permitted no. of grab;								
	<ul> <li>Closed grab dredger should be used to minimize the loss of sediment during the raising of the loaded grabs through the water column;</li> </ul>								
	<ul> <li>Frame-type silt curtains should be deployed around the dredging operations;</li> </ul>								
	<ul> <li>Floating-type silt curtains should be used to surround the circular cell during the sheetpiling work;</li> </ul>								
	<ul> <li>The descent speed of grabs should be controlled to minimize the seabed impact speed;</li> </ul>								
	<ul> <li>Barges should be loaded carefully to avoid splashing of material;</li> </ul>								
	<ul> <li>All barges used for the transport of dredged materials should be fitted with tight bottom seals in order to prevent leakage of material during loading and transport;</li> </ul>								
	<ul> <li>All barges should be filled to a level which ensures that material does not spill over during loading and transport to the disposal site and that adequate freeboard is</li> </ul>								

	Environmental Protection Measures / Mitigation Measures			Impl	ementa	tion S	tages*	Relevant	
EIA Ref		Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	maintained to ensure that the decks are not washed by wave action.								
	• No DCM works should be carried out within 100m to the nearest non-translocatable coral colony / colonies.								
	• Silt curtains should be employed to enclose DCM field trial and any full scale DCM work to minimize the potential impacts on water aspect.								
	• A sand blanket is to be placed on top of the marine deposit using tremie pipes prior to the DCM ground treatment to avoid seabed sediment disturbance.								
S5b.8.2.3	<u>Operational Phase Discharges</u> A pipeline drainage system will serve the development area collecting surface runoff from paved areas, roof, etc. Sustainable drainage principle would be adopted in the drainage system design to minimize peak surface runoff, maximize permeable surface and maximize beneficial use of rainwater.	Within IWMF site / During the operational phase	IWMF Operator	~		~		WPCO	N/A
S5b.8.2.4	Oil interceptors should be provided in the drainage system of any potentially contaminated areas (such as truck parking area and maintenance workshop) and regularly cleaned to prevent the release of oil products into the storm water drainage system in case of accidental spillages. Accidental spillage should be cleaned up as soon as practicable and all waste oils and fuels should be collected and handled in	Within IWMF site / During the operational phase	IWMF Operator	~				WPCO; WDO	N/A

				Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	Ο	Dec	Legislation and Guidelines	
	compliance with the Waste Disposal Ordinance.								
S5b.8.2.5	Refuse Entrapment Collection and removal of floating refuse should be performed at regular intervals for keeping the water within the Project site boundary and the neighboring water free from rubbish.	Within the Project site / During the operational phase	IWMF Operator			~		WPCO	N/A
S5b.8.2.6		Transportat ion of Incineration Ash / During the operational phase	IWMF Operator			✓			N/A

* Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

#### Table B.4 Implementation Schedule for Waste Management Measures for the IWMF at the artificial island near SKC

	Environmental Protection Measures / Mitigation Measures	Location / Timing			ementa			Relevant	
EIA Ref			Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
6b.5.1.2	<ul> <li><u>Good Site Practices</u></li> <li>Adverse environmental impacts in relation to waste management are not expected, provided that good site practices are strictly followed. Recommendations for good site practices during the construction activities would include:</li> <li>Obtain relevant waste disposal permits from appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354) and subsidiary Regulations and the Land (Miscellaneous Provisions) Ordinance (Cap. 28);</li> <li>Provide staff training for proper waste management and chemical handling procedures;</li> <li>Provide sufficient waste disposal points and regular waste collection;</li> <li>Provide appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and</li> <li>Carry out regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;</li> <li>Separate chemical wastes for special handling and disposed of to licensed facility for treatment; and</li> <li>Employ licensed waste collector to collect waste.</li> </ul>	Work Site/ During Construction Period	Contractor					ETWB TCW	Deficiency of Mitigation Measures but rectified by the Contractor

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant	
				Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
6b.5.1.3	Waste Reduction Measures           Good management and control can prevent the generation of a significant amount of waste. Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices.           Recommendations to achieve waste reduction include:           Design foundation works that could minimize the amount of excavated material to be generated.           Provide training to workers on the importance of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling;           Sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.);           Segregate and store different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;           Encourage the collection of aluminum cans by providing separate labelled bins to enable this waste to be segregated from other general refuse generated by the work force;           Proper storage and site practices to minimize the potential for damage or contamination of construction materials;	Work Site/ During Design & Construction Period	Contractor						Implemented N/A for demolition items

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					Imple	ementa	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementat Agent	Implementation Agent		С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	<ul> <li>Plan and stock construction materials carefully to minimize amount of waste to be generated and to avoid unnecessary generation of waste.</li> </ul>									
6b.5.1.7	Dredged Sediment – Application of Dumping Permit The project proponent should agree in advance with MFC of CEDD on the site allocation. The project proponent or contractor for the dredging works shall then apply for the site allocations of marine sediment disposal based on the prior agreement with MFC/CEDD. The project proponent or contractor should also be responsible for the application of all necessary permits from relevant authorities, including the dumping permit as required under DASO from EPD, for the disposal of dredged sediment prior to the commencement of the dredging works.	Seawall and Reclamation site / Construction Period	EPD and contractor	its	~	✓			DASO ETWB TCW 34/2002	Implemented
6b.5.1.8	Dredged Sediment – Sediment Quality Report The project proponent or contractor will need to satisfy the appropriate authorities that the quality of the marine sediment to be dredged has been identified according to the requirements of ETWB TCW 34/2002. This should be completed well before the dredging works and would include at least the submission of a formal Sediment Quality Report under Tier I of ETWB TCW No. 34/2002 to DEP for approval. Subject to advice from DEP, it is possible that further marine SI in	Seawall and Reclamation site / Construction Period	EPD and contractor	its					DASO ETWB TCW 34/2002	Implemented

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				Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	accordance with ETWB TCW 34/2002 might be necessary for the application of dumping permit under DASO. In such case, a sediment sampling and testing proposal shall be submitted to and approved by DEP before the additional marine SI works.								
6b.5.1.9	Dredged Sediment – Sediment <u>Transportation</u> The barge transporting the sediments to the designated disposal sites should be equipped with tight fitting seals to prevent leakage and should not be filled to a level that would cause overflow of materials or laden water during loading or transportation. In addition, monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the DEP.	Seawall and Reclamation site / Construction Period	EPD and its contractor		✓			DASO ETWB TCW 34/2002	Implemented
6b.5.1.10		Work Site/ During Design & Construction Period	Contractor	×	*			ETWB TCW No. 19/2005	Implemented

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				Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
EIA Ref 6b.5.1.1 1 – 6b.5.1.12	Measures(EMP), should be prepared in accordance with ETWB TCW No.19/2005;• A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be adopted for easy tracking; and• In order to monitor the disposal of C&D materials at public filling facilities and landfills and to control fly-tipping, a trip- ticket system should be adopted (refer to <i>ETWB TCW No. 31/2004</i> ).The Contactor should prepare and implement an EMP in accordance with ETWB TCW No.19/2005, which describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from construction activities. Such a management plan should incorporate site specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable	Timing Work Site/ During Design &		Des	C	0	Dec	and	
	materials. The EMP should be submitted to the Engineer for approval. The Contractor should implement waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor, preferably on a monthly basis.								

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				Imple	menta	ation S	stages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	All surplus C&D materials arising from or in connection with construction works should become the property of the Contractor when it is removed unless otherwise stated. The Contractor would be responsible for devising a system to work for on-site sorting of C&D materials and promptly removing all sorted and process materials arising from the construction activities to minimize temporary stockpiling on-site. The system should be included in the EMP identifying the source of generation, estimated quantity, arrangement for on-site sorting, collection, temporary storage areas and frequency of collection by recycling Contractors or frequency of removal off-site.								
6b.5.1.13	<u>Chemical Wastes</u> Should chemical wastes be produced at the construction site, the Contractor would be required to register with EPD as a Chemical Waste Producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste (such as explosive, flammable, oxidizing, irritant, toxic, harmful, or corrosive). The Contractor should employ a licensed collector to transport and dispose	Work Site/ During Construction Period	Contractor		V			Waste Disposal (Chemical Waste) (General) Regulation	Implemented

				Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	of the chemical wastes, to either the Chemical Waste Treatment Centre at Tsing Yi, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.								
6b.5.1.14	<u>General Refuse</u> General refuse should be stored in enclosed bins or compaction units separate from C&D materials. A licensed waste collector should be employed by the Contractor to remove general refuse from the site, separately from C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	Work Site/ During Construction Period	Contractor		~				Deficiency of Mitigation Measures but rectified by the Contractor
6b.5.1.1 6 – 6b.5.1.33	Biogas Generation	Reclamation site (if dredging at the reclamation site is not required) / Design & Construction Period	Designer and/or contractor	✓	✓			EPD/TR8/97	N/A

	Environmental Protection			Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	<ul> <li>precautions during construction works;</li> <li>precautions prior to entry of belowground services</li> </ul>								
6b.5.2.1	<ul> <li><u>Good Site Practices</u></li> <li>It is recommended that the following good operational practices should be adopted to minimise waste management impacts:</li> <li>Obtain the necessary waste disposal permits from the appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354) and Waste Disposal (Chemical Waste) (General) Regulation;</li> <li>Nomination of an approved person to be responsible for good site practice, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site;</li> <li>Use of a waste haulier licensed to collect specific category of waste;</li> <li>A trip-ticket system should be included as one of the contractual requirements and implemented by the Environmental Team to monitor the disposal of solid wastes at landfills, and to control fly tipping. Reference should be made to ETWB TCW No. 31/2004.</li> <li>Training of site personnel in proper waste management and chemical waste handling procedures;</li> </ul>	IWMF Site/During Operation Period	IWMF Operator					Waste Disposal Ordinance (Cap.354); Waste Disposal (Chemical Waste) (General) Regulation; ETWB TCW No. 1/2004	N/A

				Imple	ementa	ation Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	O Dec	Legislation and Guidelines	
	<ul> <li>Separation of chemical wastes for special handling and appropriate treatment at a licensed facility;</li> <li>Routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors;</li> <li>Provision of sufficient waste disposal points and regular collection for disposal;</li> <li>Adoption of appropriate measures to minimize windblown litter and dust during transportation of waste, such as covering trucks or transporting wastes in enclosed containers; and</li> <li>Implementation of a recording system for the amount of wastes generated, and disposal sites).</li> </ul>							
6b.5.2.2	<ul> <li>Waste Reduction Measures</li> <li>Good management and control can prevent the generation of significant amounts of waste. It is recommended that the following good operational practices should be adopted to ensure waste reduction:</li> <li>Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;</li> <li>Encourage collection of aluminum cans, plastic bottles and packaging material (e.g. carton boxes) and office</li> </ul>	Period	IWMF Operator			×		Implemented

				Imple	ementation Stages*			Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	<ul> <li>paper by individual collectors.</li> <li>Separate labelled bins should be provided to help segregate this waste from other general refuse generated by the work force; and</li> <li>Any unused chemicals or those with remaining functional capacity should be reused as far as practicable.</li> </ul>								
6b.5.2.3	<ul> <li><u>Storage</u>, <u>Handling</u>, <u>Treatment</u>, <u>Collection</u> <u>and Disposal of Incineration By-Products</u></li> <li>The following measures are recommended for the storage, handling and collection of the incineration by- products: <ul> <li>Ash should be stored in storage silos;</li> <li>Ash should be handled and conveyed in closed systems fully segregatedfrom the ambient environment;</li> <li>Ash should be wetted with water to control fugitive dust, where necessary;</li> <li>All fly ash and APC residues should</li> </ul> </li> </ul>	IWMF Site/ During Operation Period	IWMF Operator			V		Incineration Residue Pollution Control Limits	N/A
	be treated, e.g. by cement solidification or chemical stabilization, for compliance with the proposed Incineration Residue Pollution Control Limits and leachability criteria prior to disposal;								

				Impl	ementa	ation S	stages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	Ο	Dec	Legislation and Guidelines	Implementation Status and Remarks
	The ash should be transported in covered trucks or containers to the designated landfill site.								
	The Contractor should provide EPD with chemical analysis results of the bottom ash, and treated fly ash and APC residues to confirm that the ash/residue can comply with the proposed Incineration Residue Pollution Control Limits before disposal.								
6b.6.3.1	<ul> <li>Fuel Oil Tank Construction and Test</li> <li>The fuel tank to be installed should be of specified durability.</li> <li>Double skin tanks are preferred.</li> <li>Underground fuel storage tank should be placed within a concrete pit.</li> <li>The concrete pit shall be accessible to allow regular tank integrity tests to be carried out at regular intervals.</li> <li>Tank integrity tests should be conducted by an independent qualified surveyor or structural engineer.</li> <li>Any potential problems identified in the test should be rectified as soon as possible.</li> </ul>	Fuel Oil Storage Tank/ During Design, Construction and Operation Periods	IWMF Contractor		<b>~</b>	<b>~</b>			N/A

				Imple	ement	ation S	stages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
6b.6.3.1	<ul> <li>Fuel Oil Pipeline Construction and Test</li> <li>Installation of aboveground fuel oil pipelines is preferable; if underground pipelines are unavoidable, concrete lined trenches should be constructed to contain the pipelines.</li> <li>Double skin pipelines are preferred.</li> </ul>	Fuel Oil Pipelines/ During Design, Construction and Operation Periods	IWMF Contractor	V	~	~			N/A
	• Distance between the fuel oil refuelling points and the fuel oil storage tank shall be minimized.								
	<ul> <li>Integrity tests for the pipelines should be conducted by an independent qualified surveyor or structural engineer at regular intervals.</li> <li>Any potential problems identified in the test should be rectified as soon as possible.</li> </ul>								
6b.6.3.1	<ul> <li>Fuel Oil Leakage Detection</li> <li>Installation of leak detection device at storage tank and pipelines.</li> <li>Installation and use of pressure gauges (e.g. at the two ends of a filling line) in fuel filling, which allows unexpected pressure drop or difference and sign of leakage to be detected.</li> </ul>	Fuel Oil Storage Tank and Pipelines/ During Design, Construction and Operation Periods	IWMF Contractor	×	V	×			N/A
6b.6.3.1	Fuel Oil Storage Tank Refuelling	Fuel Oil Refuelling Point/	IWMF Operator			✓			N/A

	E			Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	• Storage tank refuelling (from road tanker) should only be conducted by authorized staff of the oil company using the company's standard procedures.	During Operation Period							
6b.6.3.1	Fuel Oil Spillage Response An Oil Spill Response Plan should be prepared by the operator to document the appropriate response procedures for oil spillage incidents in detail. General procedures to be taken in case of fuel oil spillage are presented below.	IWMF Site/ During Operation Period	IWMF Operator			✓			N/A
	Training								
	<ul> <li>Training on oil spill response actions should be given to relevant staff. The training shall cover the followings:</li> </ul>								
	<ul> <li>Tools &amp; resources to combat oil spillage and fire, e.g. locations of oil spill handling equipment and fire fighting equipment;</li> <li>General methods to deal with oil spillage and fire incidents;</li> <li>Procedures for emergency drills in the event of oil spills and fire; and</li> <li>Regular drills shall be carried out.</li> </ul>								
	Communication								
	-Establish communication channel with the Fire Services Department (FSD) and EPD to report any oil spillage incident								

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	so that necessary assistance from relevant department can be quickly sought.								
	Response Procedures								
	-Any fuel oil spillage within the IWMF site should be immediately reported to the Plant Manager with necessary details including location, source, possible cause and extent of the spillage.								
	<ul> <li>Plant Manager should immediately attend to the spillage and initiate any appropriate action to confine and clean up the spillage. The response procedures shall include the following:</li> <li>Identify and isolate the source of spillage as soon as possible.</li> <li>Contain the oil spillage and avoid infiltration into soil/ groundwater and discharge to storm water channels.</li> <li>Remove the oil spillage.</li> </ul>								
	➤Clean up the contaminated area.								
	<ul> <li>If the oil spillage occurs during storage tank refuelling, the refueling operation should immediately be stopped.</li> <li>Recovered contaminated fuel oil</li> </ul>								
	and the associated material to remove the spilled oil should be considered as chemical waste. The handling and disposal								

				Impl	ementa	ation S	Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	procedures for chemical wastes are discussed in the following paragraphs.								
6b.6.3.2	<ul> <li><u>Chemicals and Chemical Wastes Handling &amp; Storage</u></li> <li>Chemicals and chemical wastes should only be stored in suitable containers in purpose-built areas.</li> <li>The storage of chemical wastes should comply with the requirements of the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.</li> <li>The storage areas for chemicals and chemical wastes shall have an impermeable floor or surface. The impermeable floor/ surface shall possess the following properties:         <ul> <li>Not liable to chemically react with the materials and their containers to be stored.</li> <li>Able to withstand normal loading and physical damage caused by container handling</li> <li>The integrity and condition of the impermeable floor or surface at regular intervals to ensure that it is satisfactorily maintained</li> </ul> </li> </ul>	Chemicals and Chemical Wastes Storage Area / During Operation Period	IWMF Operator						N/A
	For liquid chemicals and chemical wastes storage, the								

				Imple	menta	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	storage area should be bunded to contain at least 110% of the storage capacity of the largest containers or 20% of the total quantity of the chemicals/chemical wastes stored, whichever is the greater.								
	Storage containers shall be checked at regular intervals for their structural integrity and to ensure that the caps or fill points are tightly closed.								
	Chemical handling shall be conducted by trained workers under supervision.								
6b.6.3.2	<ul> <li><u>Chemicals and Chemical Wastes Spillage</u> <u>Response</u></li> <li>A Chemicals and/ or Chemical Wastes Spillage Response Plan shall be prepared by the operator to document in detail the appropriate response procedures for chemicals or chemical wastes spillage incidents. General procedures to be undertaken in case of chemicals/ chemical waste spillages are presented below.</li> <li>Training</li> </ul>	IWMF Site/ During Operation Period	IWMF Operator			✓			N/A
	<ul> <li>Training on spill response actions should be given to relevant staff. The training shall cover the followings:</li> </ul>								

				Impl	ementa	ation Stag	es*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	O D	ec	Legislation and Guidelines	
	Tools & resources to handle spillage, e.g. locations of spill handling equipment;								
	General methods to deal with spillage; and								
	Procedures for emergency drills in the event of spills.								
	Communication								
	<ul> <li>Establish communication channel with FSD and EPD to report the spillage incident so that necessary assistance from relevant department can be quickly sought.</li> </ul>								
	Response Procedures								
	<ul> <li>Any spillage within the IWMF site should be reported to the Plant Manager.</li> </ul>								
	<ul> <li>Plant Manager shall attend to the spillage and initiate any appropriate actions needed to confine and clean up the spillage. The response procedures shall include the followings:</li> </ul>								
	Identify and isolate the source of spillage as soon as possible;								
	Contain the spillage and avoid infiltration into soil/								

				Impl	ement	ation S	stages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	groundwater and discharge to storm water channels (in case the spillage occurs at locations out of the designated storage areas);								
	Remove the spillage; the removal method/ procedures documented in the Material Safety Data Sheet (MSDS) of the chemicals spilled should be observed;								
	Clean up the contaminated area (in case the spillage occurs at locations out of the designated storage areas); and								
	The waste arising from the cleanup operation should be considered as chemical wastes.								
6b.6.3.3	<ul> <li><u>Preventive Measures for Incineration Byproducts Handling</u></li> <li>The recommended measures listed below can minimize the potential contamination to the surrounding environment due to the incineration by-products: <ul> <li>Ash should be stored in storage silos;</li> <li>Ash should be handled and conveyed in closed systems fully segregated</li> </ul> </li> </ul>	Storage, Handling & Collection of Incineration Ash at IWMF/ During Operation Period	IWMF Operator			Ý			N/A

			Imple	menta	ation S	tages*	Relevant		
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	from the ambient environment;								
	<ul> <li>Ash should be wetted with water to control fugitive dust, where necessary;</li> </ul>								
	<ul> <li>All fly ash and APC residues should be treated, e.g. by cement solidification or chemical stabilization, for compliance with the proposed Incineration Residue Pollution Control Limits and leachability criteria prior to disposal;</li> </ul>								
	• The ash should be transported in covered trucks or containers to the designated landfill site.								
6b.6.3.4 -6b.6.3.6	Incident Record After any spillage, an incident report should be prepared by the Plant Manager. The incident report should contain details of the incident including the cause of the incident, the material spilled and estimated spillage amount, and also the response actions undertaken. The incident record should be kept carefully and able to be retrieved when necessary. The incident report should provide sufficient details for the evaluation of any environmental impacts due to the spillage and assessment of the effectiveness of measures taken.	IWMF Site/ During Operation Period	IWMF Operator			✓		Guidance Manual for Use of Risk-based Remediation Goals for Contaminated Land Management and the Guidance Note for Contaminated Land and Remediation.	N/A

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	Environmental Protection			Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	In case any spillage or accidents results in significant land contamination, EPD should be informed immediately and the IWMF operator should be responsible for the cleanup of the affected area. The responses procedures described in <b>Section 6b.6.3.1</b> and <b>Section 6b.6.3.2</b> of EIA report should be followed accordingly together with the land contamination assessment and remediation guidelines stipulated in the <i>Guidance Manual for Use</i> of <i>Risk-based Remediation Goals for</i> <i>Contaminated Land Management and the</i> <i>Guidance Note for Contaminated Land and</i> <i>Remediation.</i>								

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
7b.8.2.1	<ul> <li>Measures to avoid direct loss of intertidal habitat</li> <li>The site boundary has been proposed to avoid direct contact with the intertidal natural rocky shore of Shek Kwu Chau. It avoids direct loss of intertidal communities and the existing natural rocky shore habitat, where Reef Egret and White-bellied Sea Eagle have been recorded within and in the vicinity of this habitat.</li> </ul>	IWMF site	Design team					EIAO-TM	N/A
7b.8.2.2	<ul> <li>Measures to minimise loss of coastal subtidal habitat</li> <li>Extensive coral colonies were recorded at the coastal hard bottom habitat at Shek Kwu Chau. To avoid and minimise the extensive direct impact on the coral colonies, the proposed reclamation area has been moved further offshore to minimise loss of subtial habitat near shore.</li> </ul>	IWMF site	Design team	×				EIAO-TM	N/A
7b.8.2.3	<ul> <li>Zero Discharge Scheme</li> <li>The design scheme of the Project has avoided discharge of wastewater into the marine environment. A zero discharge scheme would be adopted during the operation of the Project. An on-site wastewater treatment plant would be</li> </ul>	IWMF site	Design team, IWMF operator	×		~		WPCO	N/A

### Table B.5 Implementation Schedule for Ecological Quality Measures for the IWMF at the artificial island near SKC

Integrated Waste Management Facilities, Phase 1

	Environmental Protection				Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Des Agent		С	ο	Dec	Legislation and Guidelines	Implementation Status and Remarks	
	provided to treat the wastewater generated from the IWMF (mainly human sewage). The treated effluent would be re-used in the incineration plant and mechanical treatment plant, or for onsite washdown and landscape.									
7b.8.2.4	<ul> <li>Measures to avoid loss of plant species of conservation importance</li> <li>Landing portal construction works would not cause direct lost to the recorded individual of protected plant species,</li> <li>Aquilaria sinensis, at the coastal shrubland habitat at Cheung Sha. As a precautionary measure, the plant should be tagged with eye- catching tape and fenced off prior to works, in order to avoid any damage by workers.</li> </ul>	Cheung Sha Ianding portal	Design Contractor	team,	✓	~		<b>√</b>	EIAO-TM	N/A
7b.8.3.1 - 7b.8.3.1 5	<ul> <li>Measures to minimise water quality impact</li> <li>Measures for water quality as recommended in Section 5b of the EIA Report should be implemented.</li> </ul>	Work site	Design contractor, operator	team, IWMF	~	~	~	~	EIAO-TM; ProPECC PN 2/23; WPCO	Implemented
7b.8.3.1 6 - 7b.8.3.3 0	Measures to minimise disturbance on Finless Porpoise Minimisation of Habitat Loss for Finless Porpoise	IWMF site, work site, marine traffic route	Design contractor, operator	team, IWMF	✓	~	<b>√</b>	•	EIAO-TM, Supporting Document for Application for Variation of the Environmental	Implemented for avoidance of construction works that may produce underwater acoustic disturbance, Vessel Travel Route implementation, training of staff; N/A for other

Integrated Waste Management Facilities, Phase 1

	Environmental Protection			Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	<ul> <li>Substantial revision has been made on the layout plan and form of the breakwater, in order to minimise the potential loss of important habitat for Finless Porpoise. The revision has greatly reduced the size of the embayment area, as well as the Project footprint. As a result, the size of habitat loss for Finless Porpoise has reduced from the original ~50 ha, down to ~31 ha.</li> <li>Avoidance of peak season for finless porpoise occurrence</li> </ul>							Guidelines Permit (EP- 429/2012)	
	<ul> <li>To minimise potential acoustic disturbance from construction activities on Finless Porpoise, construction works that may produce underwater acoustic disturbance should be scheduled outside the months with peak Finless Porpoise occurrence (December to May), including:         <ul> <li>sheet piling works for construction of cofferdam surrounding the reclamation area (Phase 1);</li> <li>sheet piling works for construction of the shorter section of breakwater (Phase 1);</li> </ul> </li> </ul>								

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	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	<ul> <li>sheet piling works for construction of the remaining section of breakwater (Phase 3) and</li> <li>bored piling works for berth area (Phase 3)</li> </ul>								
	Such works should be restricted within June to November. This approach would not only avoid the peak season for Finless Porpoise occurrence, the magnitude of impacts arise from acoustic disturbance would also be minimised.								
	• Since the DCM ground treatment and the installation of precast seawalls and breakwaters should generate no underwater acoustic disturbance to Finless Porpoise, no specific mitigation measures are required.								
	Opt for quieter construction methods and plants								
	<ul> <li>Considering the sensitivity of marine mammals to underwater acoustic disturbance, instead of the previously proposed conventional breakwater and reclamation peripheral structure,</li> </ul>								
	and reclamation peripheral structure, which requires noisy piling works, the current circular cells structure for								

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	Environmental Protection			Imple	ement	tation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	<ul> <li>breakwater and reclamation peripheral structure is proposed. A quieter sheet piling method using vibratory hammer or hydraulic impact hammer, should be adopted for the installation of circular cells for cellular cofferdam and northern breakwater during Phase 1, and southern breakwater Phase 3;</li> <li>Non-percussive bore piling method</li> </ul>								
	would be adopted for the installation of tubular piles for the berth construction during Phase 3.								
	Monitored exclusion zones								
	<ul> <li>During the installation/re- installation/relocation process of floating type silt curtains, in order to avoid the accidental entrance and</li> </ul>								
	entrapment of marine mammals within the silt curtains, a monitored exclusion zone of 250 m radius from silt curtain should be implemented. The								
	exclusion zone should be closely monitored by an experienced marine mammal observer at least 30 minutes before the start of installation/re-								
	installation/relocation process. If a marine mammal is noted within the exclusion zone, all marine works								
	should stop immediately and remain idle for 30 minutes, or until the								

Integrated Waste Management Facilities, Phase 1

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	exclusion zone is free from marine mammals.								
	• The experienced marine mammal observer should be well trained to detect marine mammals. Binoculars should be used to search the exclusion zone from an elevated platform with unobstructed visibility. The observer should also be independent from the project proponent and has the power to call-off construction activities.								
	<ul> <li>In addition, as marine mammals cannot be effectively monitored within the proposed monitored exclusion zone at night, or during adverse weather conditions (i.e. Beaufort 5 or above, visibility of 300 meters or below), marine works should be avoided under weather conditions with low visibility.</li> </ul>								
	Marine mammal watching plan								
	Upon the completion of the installation/re- installation/relocation of floating type silt curtain, all marine works would be conducted within a fully enclosed environment within the silt curtain, hence exclusion zone monitoring would no longer								

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	Environmental Protection			Stages*	Relevant				
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	be required. Subsequently, a marine mammal watching plan should be implemented.								
	The plan should include regular inspection of silt curtains, and visual inspection of the waters surrounded by the curtains. Special attention should be paid to Phase 2 (reclamation) where the floating type still curtain would be opened occasionally for vessel access, leaving a temporary 50 m opening. An action plan should be devised to cope with any unpredicted incidents such as the case when marine mammals are found within the waters surrounded by the silt curtains.								
	Small openings at silt curtains								
	• The openings for vessel access at the silt curtains should be as small as possible to minimise the risk of accidental entrance.								
	Adoption of regular travel route								
	• During construction and operation, captains of all vessels should adopt regular travel route, in order to minimize the chance of vessel collision with								

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	Environmental Protection			Imple	ement	tation S	Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	marine mammals, which may otherwise result in damage to health or mortality. The regular travel route should avoid areas with high sighting density of Finless Porpoise as much as possible.								
	Vessel speed limit								
	<ul> <li>The frequent vessel traffic in the vicinity of works area may increase the chance of mammal mammals being killed or seriously injured by vessel collision. A speed limit of ten knots should be strictly enforced within areas with high density of Finless Porpoise.</li> <li>Passive acoustic monitoring and land-based theodolite monitoring surveys should be adopted to verify the predicted impacts and effectiveness of the proposed mitigation measures.</li> </ul>								
	Training of Staff								
	• Staff, including captains of vessels, should be aware of the guidelines for safe vessel operations in the presence of cetaceans during construction and operation phases. Adequate trainings should be provided								

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	Environmental Protection				Impl	ementa	ation S	Stages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Impleme Age		Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
7b.8.3.3 1 - 7b.8.3.3 4	Measures to minimise impact on corals Coral translocation	IWMF site	Design contractor, operator	team, IWMF	~	<b>√</b>	~	~	EIAO-TM	Implemented, tagged coral found missing after hitting by typhoons
	<ul> <li>Coral communities within and in proximity to the proposed dredging sites would be disturbed by the Project due to the dredging operations. In order to minimise direct loss of coral communities, translocation of corals that are attached to movable rocks with diameter less than 50 cm are recommended. In order to avoid disturbance to corals during the spawning period, the spawning season of corals (June to August) should be avoided; and that translocation should be carried out during the winter season (November- March).</li> </ul>									Re-tagging of 10 coral colonies at indirect impact site and control site were conducted in November and December 2018 respectively.
	• The REA survey results suggest that the 198 directly affected coral colonies were attached to movable rocks (less than 50 cm in diameter). It is technically feasible to translocate them to avoid direct loss.									
	<ul> <li>Prior to coral translocation, a more detailed baseline survey, including a coral mapping survey, is recommended to further confirm the</li> </ul>									

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	Environmental Protection			Imple	ement	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	Implementation Status and Remarks
	exact number and location of coral colonies within the potentially affected area. A more detailed coral translocation plan, including selection of suitable recipient site, plan for coral translocation, and event / action plan for coral monitoring should be submitted upon approval of this Project, prior to commencement of construction works. Advice from relevant governmental departments (i.e. AFCD) and professionals would be sought after, in order to identify a desirable location for the relocation of coral communities. Post-translocation monitoring on the translocated corals should also be considered.								
	Coral monitoring programme								
	<ul> <li>A coral monitoring programme is recommended to assess any adverse and unacceptable impacts to the coral communities at the coasts of Shek Kwu Chau during construction of the Project.</li> </ul>								
	Phasing of Works								
	<ul> <li>To minimize environmental impacts, the proposed phasing of construction works has been carefully designed to</li> </ul>								

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	Environmental Protection			Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	Implementation Status and Remarks
	reduce the amount of concurrent works, hence minimize SS elevation and the associated impacts on corals.								
7b.8.3.3 5 - 7b.8.3.4 1	<ul> <li><u>Specific measures to minimize</u> <u>disturbance on breeding White-bellied</u> <u>Sea Eagle</u></li> <li>Avoidance of noisy works during the breeding season of White-bellied Sea Eagle</li> <li>To minimize potential noise disturbance from construction activities on WBSE, noisy construction works should be scheduled outside their breeding season (December to May) to minimise potential degradation in breeding ground quality and breeding activities, including:</li> <li>sheet piling works for construction of cofferdam surrounding the reclamation area (Phase 1);</li> <li>sheet piling works for construction of the shorter section of breakwater (Phase 1);</li> <li>sheet piling works for construction of the remaining section of breakwater (Phase 3); and</li> <li>bored piling works for berth area (Phase 3).</li> </ul>		Design Team, Contractor, IWMF operator					EIAO-TM	Implemented

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	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	Opt for quieter construction methods and plants								
	<ul> <li>To minimise potential construction noise disturbance on WBSE, quieter construction methods and plants should be adopted. The recommended noise mitigation measures in the Noise chapter (Section 4b.8 of the EIA Report) should be implemented to minimise potential noise disturbance to acceptable levels.</li> </ul>								
	Restriction on vessel access near the nest of White-bellied Sea Eagle								
	• During construction and operation, in order to minimize disturbance on the existing WBSE nest, a pre-defined practical route to restrict vessel access near the nest should be adopted to keep vessels and boats as far away from the nest as possible.								
	White-bellied Sea Eagle monitoring programme								
	<ul> <li>A WBSE monitoring programme is recommended to assess any adverse and unacceptable impacts to the breeding activities of WBSE during construction and operation of the</li> </ul>								

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	Environmental Protection	Leasting (		Imple	ementa	ation S	Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	<ul> <li>Project. Monitoring surveys for WBSE would include pre-construction phase (twice per month for duration of three months during their breeding season -between December and May, immediately before the commencement of works), construction phase, and operation phase (two years after the completion of construction works).</li> <li>Surveys should be conducted twice per month during their breeding season (from December to May); and once per month outside breeding season (June to November). More details on monitoring for WBSE are presented in the EM&amp;A Manual.</li> </ul>								
	Education of staff								
	• Staff, including captains of all vessels during construction and operation phases, should be aware of the ecological importance of WBSE. Awareness should be raised among staff to minimise any intentional or unintentional disturbance to the nest.								
	Minimisation of Glare Disturbance								

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	Environmental Protection			Impl	ementa	ation Sta	ages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	<ul> <li>To minimise glare disturbance on WBSE, which may cause disorientation of birds by interfering with their magnetic compass, and disruption in behavioural patterns such as reproduction, fat storage and foraging pattern, any un-necessary outdoor lighting should be avoided, and in-ward and down-ward pointing of lights should be adopted.</li> </ul>								
-	<ul> <li><u>Construction of Seawall/Breakwaters</u></li> <li>To widen the open channel between the Artificial Island and Shek Kwu Chau.</li> <li>To design the precast concrete seawall with environmental friendly features.</li> </ul>	IWMF site	Design team, contractor, IWMF operator	✓	<ul> <li>Image: A start of the start of</li></ul>			Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012)	N/A
7b.8.3.42	<ul> <li>Opt for Quieter Construction Methods and Plants</li> <li>Quieter construction methods and plants should be used to minimise disturbance to the nearby terrestrial habitat and the associated wildlife.</li> </ul>	Work site	Design team, contractor, IWMF operator		~		<ul> <li>Image: A start of the start of</li></ul>	EIAO-TM	Implemented
7b.8.3.43		IWMF site	Design team, contractor, IWMF operator	<b>v</b>	<ul> <li>Image: A start of the start of</li></ul>	V		EIAO-TM	Implemented

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	Environmental Protection			Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
7b.8.3.4 4 - 7b.8.3.4 5	<ul> <li>Measures to minimize accidental spillage</li> <li>Regular maintenance of vessels, vehicles and equipment that may cause leakage and spillage should only be undertaken within predesignated areas, which are appropriately equipped to control the associated discharges.</li> <li>Oils, fuels and chemicals should be contained in suitable containers, and only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas should be sited on sealed areas in order to prevent spillage of fuels and solvents to the nearby watercourses. All waste oils and fuels should be collected in designated tanks prior to disposal.</li> </ul>	Work site	Contractor, IWMF operator			✓	×	EIAO-TM	Deficiency of Mitigation Measures but rectified by the Contractor.
7b.8.3.46	<ul> <li>Measures to minimise sewage effluent</li> <li>Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce.</li> </ul>	Work site	Contractor		~			EIAO-TM	N/A
7b.8.3.47		Work site	Contractor		<ul> <li>Image: A start of the start of</li></ul>		~	EIAO-TM	N/A

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	Environmental Protection			Imple	ement	ation S	Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	<ul> <li>runoff could be minimised via the detailed mitigation measures in Section 5b.8 of the EIA Report. The following presents some of the mitigation measures: <ul> <li>On-site drainage system with implemented sedimentation control facilities.</li> <li>Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities.</li> <li>Provision of embankment at boundaries of earthworks for flood protection.</li> <li>Water pumped out from foundation piles must be discharged into silt removal facilities.</li> <li>During rainstorms, exposed slope/soil surfaces should be minimized to reduce siltation and runoff.</li> <li>Earthwork final surfaces should be well compacted. Subsequent permanent surface protection should be immediately performed.</li> </ul> </li> </ul>								

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	Environmental Protection			Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	site should be covered with tarpaulin or similar fabric during rainstorms.								
7b.8.3.48	<ul> <li>Measures to minimise impacts from general construction activities</li> <li>To avoid the entering of construction solid waste into the nearby habitats, construction solid waste should be collected, handled and disposed of properly to avoid entering to the nearby habitats. It is recommended to clean the construction sites on a regular basis.</li> </ul>	Work site	Contractor		~			EIAO-TM	Implemented
7b.8.3.49	Pest Control         Good waste management practices should be adopted at the IWMF in order to minimise the risk of introduction of pest to the island:         -       Transportation of wastes in enclosed containers         -       Waste storage area should be well maintained and cleaned         -       Waste should only be disposed of at designated areas         -       Timely removal of the newly arrived waste         -       Removal of items that are capable of retaining water         -       Rapid clean up of any waste spillages		IWMF operator			V			N/A

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	Environmental Protection			Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	<ul> <li>Maintenance of a tidy and clean site environment</li> <li>Regular application of pest control</li> <li>Education of staff the importance of site clean linear</li> </ul>								
7b.8.3.50	site cleanliness Control of Marine Habitat Quality during Operation Phase	IWMF site	IWMF operator			~		EIAO-TM; WPCO	N/A
	<ul> <li>Depending on the seabed condition of the approach channel for marine vessels during operation phase of the IWMF, maintenance dredging may be required to ensure safe access. In order to avoid degradation in water quality due to elevation in SS and dispersion of sediment plume due to dredging works, it is recommended that any future maintenance dredging works should not be carried out within 100 m from the shore, similar to that of the dredging for anti-scouring protection layer during construction phase. All maintenance dredging works should be carried out with the implementation of silt curtain to control the dispersion of SS. The production rate should comply with the permit dredging rate and number of grab per hour.</li> </ul>								
7b.8.4. 1 –	Compensation of loss of important habitat of Finless Porpoise	Waters between Shek	Project Proponent	~		~		EIAO-TM	N/A

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	Environmental Protection			Imple	ement	ation S	stages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
7b.8.4. 8	Designation of Marine Park	Kwu Chau and Soko Islands							
	<ul> <li>The Project Proponent has made a firm commitment to seek to designate a marine park of approximately 700 ha in the waters between Soko Islands and Shek Kwu Chau, in accordance with the statutory process stipulated in the Marine Parks Ordinance, as a compensation measure for the habitat loss arising from the construction of the IWMF at the artificial island near SKC.</li> <li>The Project Proponent shall seek</li> </ul>								
	to complete the designation by 2018 to tie in with the operation of the IWMF at the artificial island near SKC.								
	<ul> <li>A further study should be carried out to review relevant previous studies and collate available information on the ecological characters of the proposed area for marine park designation; and review available survey data for Finless Porpoise, water quality, fisheries, marine traffic and planned development projects in the vicinity. Based on the findings, ecological profiles of the proposed area for marine park designation should be</li> </ul>								

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	Environmental Protection			Imple	ementa	tion S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	location of the proposed marine park be determined. The adequacy of enhancement measures should also be reviewed.								
	<ul> <li>In addition, a management plan for the proposed marine park should be proposed, covering information on the responsible departments for operation and management (O&amp;M) of the marine park, as well as the O&amp;M duties of each of the departments involved. Consultation with relevant government departments and stakeholders should be conducted under the study. The study should be submitted to Director of Environmental Protection (DEP) for approval before the commencement of construction works.</li> </ul>								
	The Project Proponent should provide								
	assistance to AFCD during the process of the marine park designation.								
7b.8.5.	Additional Enhancement or	Within the	Project Proponent	$\checkmark$		$\checkmark$		EIAO-TM	N/A
1 – 7b.8.5.	Precautionary Measures Deployment of Artificial Reefs	proposed marine park							
1.0.5. 1	Deployment of Annolar Neels	under this							
	• Deployment of artificial reefs (ARs) is	study							
	an enhancement measure for the								
	marine habitats. ARs are proposed to								
	be deployed within the proposed								

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	Environmental Protection			Imple	ement	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	marine park under this Project. The exact location, dimension and type of ARs to be deployed are to be further investigated along with the further study of the proposed marine park under this Project. The proposed ARs would be deployed at the same time as the complete designation of marine park.								
	Release of Fish Fry at Artificial Reefs and Marine Park								
	<ul> <li>Release of fish fry at the proposed ARs, as well as the proposed marine park under this study, should enhance the fish resources in the nearby waters, and subsequently food sources for Finless Porpoise. The proposed ARs with various micro-habitats would have the potential to provide shelter and nursery ground for the released fish fry. The frequency and quantity of fry to be released should be agreed by AFCD.</li> </ul>								

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

					Imple	ementa	tion S	Stages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implemer Age		Des	С	0	Dec	Legislation and Guidelines	Status and Remarks
8b.8.1.2	<ul> <li>Measure to minimize loss of and disturbance on fisheries resources</li> <li>Alteration to the phasing of works, construction method, and layout plan of the IWMF at the artificial island near SKC has been made. The total fishing ground to be permanently lost due to the project has been significantly reduced from ~50 ha to ~31 ha. By adopting the current circular cells</li> </ul>	IWMF site	Design contractor	team,	×	~		~	EIAO-TM	N/A
	instead of the conventional seawall construction method, SS elevation would be greatly reduced, minimizing adverse impact on the health of fisheries resources.									
8b.8.1.3	Measure to minimize impingement and entrainment	IWMF site	Design contractor, operator	team, IWMF	•	~	~		EIAO-TM	N/A
	<ul> <li>Provision of a screen at the water intake point for desalination plant would be essential to minimize the risk of impingement and entrainment of fisheries resources (including fish, larvae and egg) through the intake point.</li> </ul>									

### Table B.6 Implementation Schedule for Fisheries Measures for the IWMF at the artificial island near SKC

						Imple	ementa	ation S	Stages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Locat Tim	tion / ning	Impleme Age		Des	С	0	Dec	Legislation and Guidelines	Status and Remarks
8b.8.1.4- 8b.8.1.6	<ul> <li>Measures to control water quality</li> <li>No wastewater effluent, anti-fouling agent, heavy metals and other contaminants would be released during operation phase of the Project.</li> </ul>		site, IWMF	Design contractor, operator	team, IWMF	<b>√</b>	~	✓	×	EIAO-TM	Implemented
	Mitigation measures recommended in the water quality impact assessment during construction and operation would serve to protect fisheries resources from indirect impacts resulted from the Project										
8b.8.1.7 - 8b.8.1.8	<ul> <li><u>Additional Enhancement / Precautionary</u> <u>Measures</u></li> <li>Artificial Reefs (ARs) are proposed to be deployed within the proposed marine park under this Project as an enhancement measure for the marine habitats. This enhancement feature would bring positive impacts to the previously identified important spawning and nursery ground for fisheries resources.</li> <li>Release of Fish Fry at Artificial Reefs</li> <li>Release of fish fry has been proposed under this Project. The proposed deployment of ARs within the proposed marine park would provide shelter and nursery ground for the released fish fry. The frequency and quantity of</li> </ul>	Within propose marine in the betweer Islands Shek Chau	park waters	Project Pro	ponent	✓		✓		EIAO-TM	N/A

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Table B.7	Implementation Schedule for Landscape and	a visual measure	es for the IWWF at the	e artific	cial Isla	and ne	ar SKC		
				Imple	ementa	ation S	tages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Status and Remarks
S10b.10 MLVC- 01	Grass-hydroseeded bare soil surface and stock pile area	Work site / During construction phase	Contractor		~				N/A
S10b.10 MLVC-02	<ul> <li>Landscape Design</li> <li>1) Early planting using fast grow trees and tall shrubs at strategic locations within site as buffer to block view corridors to the site from the VSRs, and to locally screen haul roads, excavation works and site preparation works.</li> <li>2) Use of tree species of dense tree crown to serve as visual barrier.</li> <li>3) Hard and soft landscape treatment (e.g. trees and shrubs) of open areas within development to provide a background for the outdoor containers from open view, shade and shelter, and a green appearance from surrounding viewpoints.</li> <li>4) Planting strip along the periphery of the project site.</li> <li>5) Selected tree species suitable for the coastal condition.</li> </ul>		Contractor	✓	✓				N/A

### Table B.7 Implementation Schedule for Landscape and Visual Measures for the IWMF at the artificial island near SKC

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				Implemen	tation S	Stages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des C	0	Dec	Legislation and Guidelines	Status and Remarks
S10b.10 MLVC-03	<ul> <li><u>Adoption of Natural Features of the Existing</u></li> <li><u>Shoreline</u></li> <li>1) Use of boulders in different sizes and with the similar textures of the existing rocky shores for the construction of breakwater and artificial shoreline in order to blend into the existing natural shoreline.</li> </ul>	Work site / During construction phase	Contractor	✓				N/A
	2) Use of cellular cofferdam together with the natural boulders to form a curvature shoreline for the reclamation area to echo with the natural shoreline of SKC.							
S10b.10 MLVC-04	<ul> <li><u>Greening Design (Rooftop &amp; Vertical Greening)</u></li> <li>1) Implementation of rooftop and vertical greening (vertical building envelope) along the periphery of each building block to increase the amenity value of the work, moderate temperature extremes and enhance building energy performance. The greening appearance of the building shall enhance its visual harmony with the natural surroundings as well as reduce the apparent visual mass of the structure.</li> </ul>	Work site / During design & construction phases	Contractor	✓ ✓				N/A
	<ol> <li>Sufficient space between concrete enclosure and stack to minimize heat transfer.</li> </ol>							
	3) Introduction of landscape decks at the stack to further enhance the overall natural and green concept unique for this site.							

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EIA Ref				Imple	menta	ation S	tages*	Relevant	Implementation					
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Status and Remarks					
S10b.10 MVC-01	Visual Mitigation and Aesthetic Design	Structures in IWMF /	Contractor	~	$\checkmark$				N/A					
MVC-01	<ol> <li>Use of natural materials with recessive color to minimize the bulkiness of the building.</li> </ol>	During design & constructio												
	<ol> <li>Adoption of innovative aesthetic design to the chimney to minimize or visually mitigate the massing of the chimney so as to reduce its visual impact to the surroundings.</li> </ol>	n phases												
	<ol> <li>Color of the chimney in a gradual changing manner to match with the color of the sky.</li> </ol>													
	<ol> <li>Provision of observation deck for public enjoyment at the top of the chimney to diminish the feeling of chimney.</li> </ol>													
	<ul> <li>5) Provision of sky gardens between the two stacks to allow additional greening for enhancing the aesthetic quality. Maintenance access (elevator and staircase) from the ground floor to the sky gardens will be provided to allow maintenance of the sky gardens.</li> </ul>													
	<ol> <li>Integration of the visitor's walkway with different material façade design of incinerator plant to enhance the aesthetic quality.</li> </ol>					c								
S10b.10 MVC-02	Control of the security floodlight for construction areas at night to avoid excessive glare to the surrounding receiver.	Work site / During construction phase	Contractor		✓				Implemented					

MVC-03				Imple	menta	tion S	Stages*	Relevant	Implementation
	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Status and Remarks
	Optimization of the construction sequence and construction programme to minimize the duration of impact.	Work site / During design & construction phases	Contractor	×	✓				Implemented
	Storage of the backfilling materials for site formation & construction materials / wastes on site at a maximum height of 2m, covered with an impermeable material of visually un- obtrusive material (in earth tone).	Work site / During construction phase	Contractor		~				N/A
S10b.10 MVC-05	Reduction of the number of construction traffic at the site to practical minimum.	Work site / During construction phase	Contractor		✓				Implemented
S10b.10 MLVO-01	Planting Maintenance Provision of proper planting maintenance and replacement of defective plant species on the new planting areas to enhance aesthetic and landscape quality.	Project site / During Operation phase	Contractor			~			N/A
S10b.10 MVO-01	Environmental Education Centre Development of an Environmental Education Center, in which regular exhibitions and lectures to promote environmental awareness and waste reduction concept would be provided, as a part of the IWMF for the general public to alleviate negative public perceptions of the development.	Project site / During Operation phase	Contractor			~			N/A
S10b.10 MVO-02	Control of Light         Control the numbers of lights and their intensity         to a level that is good enough to meet the         safety requirements at night but not excessive.	Project site / During Operation phase	Contractor			✓			N/A

Keppel Seghers – Zhen Hua Joint Venture

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Imple Des	ementatio C		ages* Dec	Relevant Legislation and Guidelines	Implementation Status and Remarks
S10b.10 MVO-03	Control of Operation Time	Project site / During	Contractor			✓			N/A
	Minimization of the frequency of waste	Operation							
	transportation to practical minimum (e.g. limit	phase							
	the reception of MSW from 8 am to 8 pm)	•							

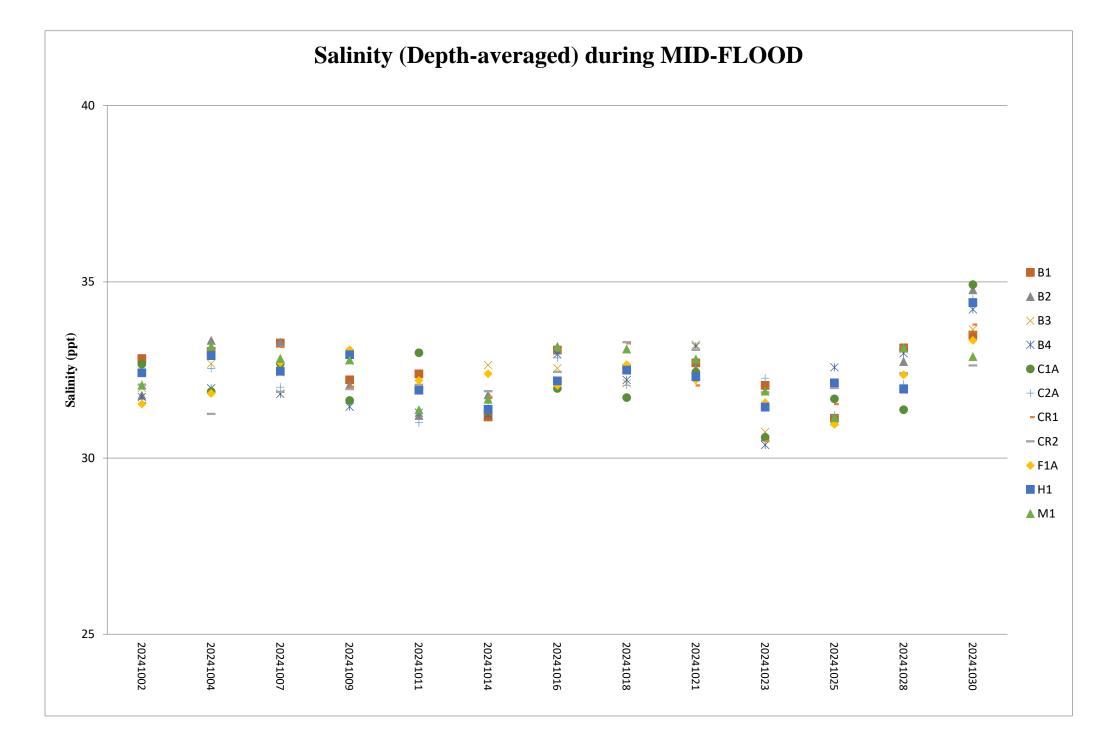
* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

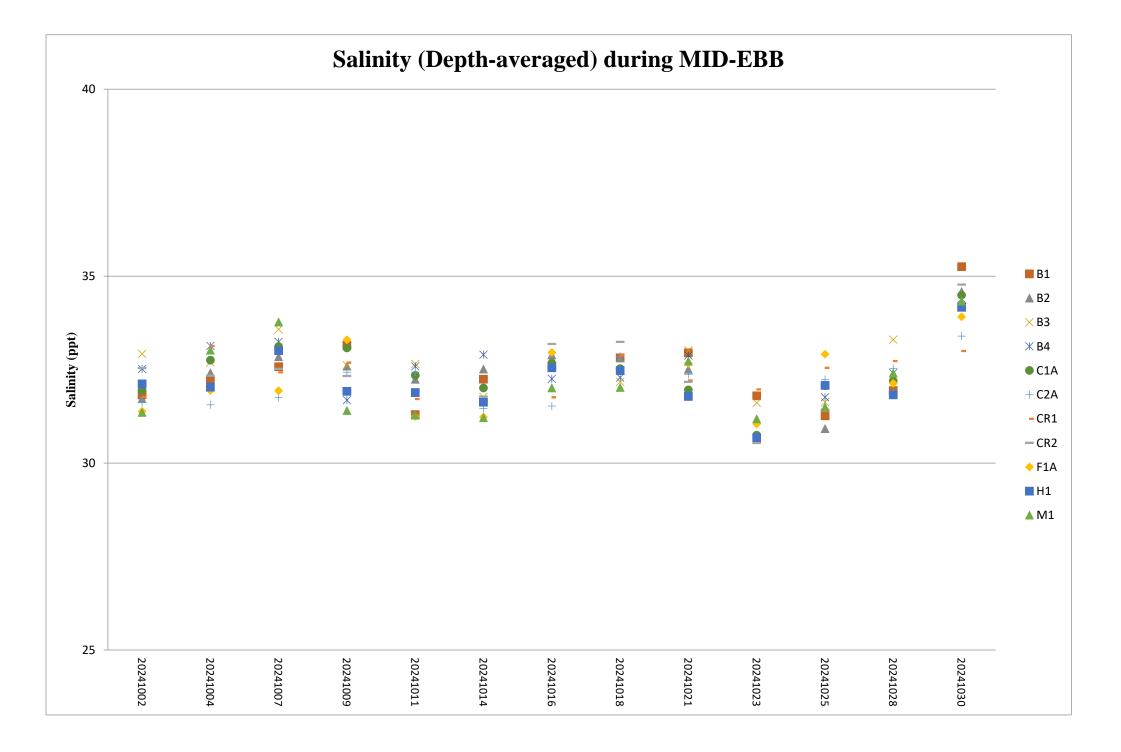
# Appendix C Impact Monitoring Schedule of the Reporting Month

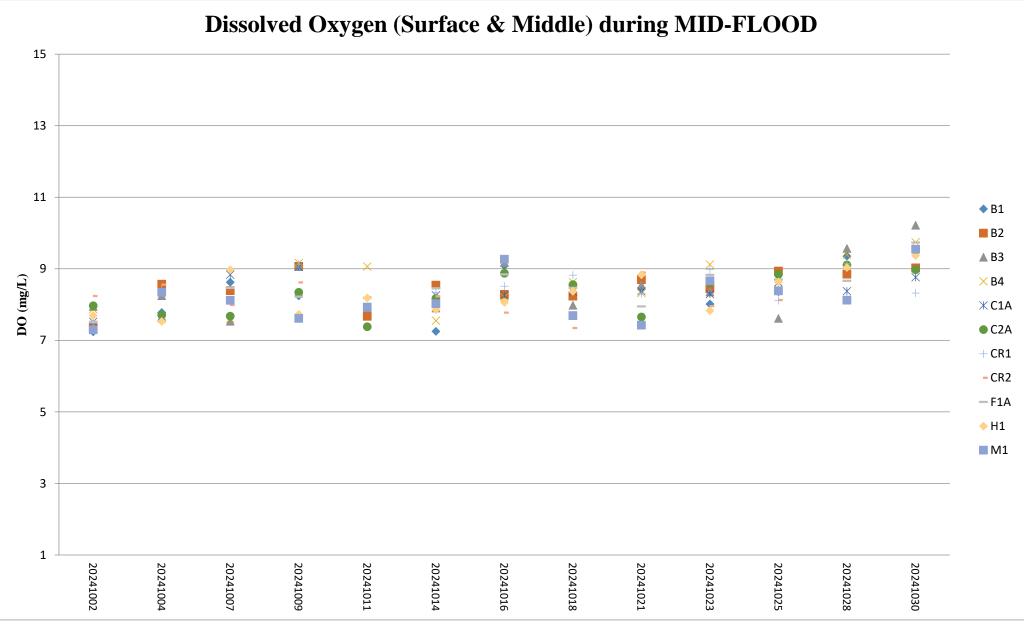
			Impact Monitoring Schedule for IWMF Oct-24			
	Mon	Tue	Oct-24	Thu	Pri	Sat
	800	1	2	3	4	5
			Impat Water Quality monitoring for Mi. R. 28, B. 84, HI, CIA, CIA, FIA, CRI, CR2, MI Tail Provid: Bibb Tail: 0913-1521 Filed Taile: (521-2127 Monitoring Time Mid-bib: 033-1402 \$582Mid-flood: 1539-1900 Deptime & Evening Noise monitoring for MI, M2 & M3	Impat Night time Noise monitoring for M1, M2 & M3	Impact Water Quality monitoring for File, R2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1 Tail Penda: Ebb Tale 1031 - 1602 Fbot Tale 1053 - 1031 Monitoring Times Micheller 1131 - 1501 *#\$Mid-floxd: 08:50 - 10:11	
	7	8	9	10	11	12
	Impact Water Quality monitoring for HI, BL 28, BA, HI, CIA, CZA, FIA, CRI, CR2, MJ Tabl Breach Ebb Tiske 12:36 - 16:47 Field Tiske 15:39 - 12:26 Monitoring Time Mid-ebb 12:56 - 16:25 9 (10) - 10:25 Daytime & Evening Noise monitoring for MI, MZ & M3	Impact Night time Noise monitoring for MI, M2 & M3	Impact Water Quality monitoring for Shi, JRE 28, BA, HI, CIA, CIA, FIA, CRI, CRZ, MI Tabl Denois Bibb Table: 1500 - 1700 Floot Table: 6800 - 1500 Monitoring Time: #SMu54eth: 1508 - 1654 Mad-Rood: 0945 - 1315		Impact Water Quality monitoring for Bi, IR, 2B, 3B, 4H, CIA, C2A, FIA, CRI, CR2, MI Table Pareda: Ebb Table 01:08 - 10:20 Floot Table 10:29 - 10:20 Floot Table 10:29 - 29 <u>Monitoring Time</u> *#SMul-beb: 08:09 - 10:01 Mid-floot: 15:29 - 18:59	
	14	16	16	17	19	10
	Impact Water Quality monitoring for Hi, IR, 28, B, 8, HI, CIA, CZA, FIA, CRI, CR2, MI Hill Brenac Ebb Table (5847–1318) Froot Table (1318–2024 Monitoring Time: **SN5.46-6: (826–11:17 Mid.dock: 1506–18:36 Daytime & Evening Noise monitoring for MI, M2 & M3	Impact Night time Noise monitoring for MI, M2 & M3	Impart Water Quality monitoring for SHL 28, 38, 44, HL CIA, C2A, FIA, CRI, CR2, MI Tail Period: Bib Tail: 0802, 1423 Floot Tail: (423, 2051) Monitoring Time Midshew 027, 1257 #\$\$\$\$Mid-flood; 1552 - 1990		Impact Water Quality monitoring for Hi, RE, 2B, 3B, 4H, CLA, C2A, FIA, CR1, CR2, M1 Tail Prend: Ebb Tale 1000 - 15:06 Floot Tale 15:06 - 21:44 Monitoring Time: Mi-drebb 1058 - 14:28 #582Mid-flood: 15:44 - 19:00	
	21	23	23	24	25	26
	Input: Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1 B2, M1	Inspact Night time Noise monitoring for M1, M2 & M3	Impat Water Quality monitoring for B1, R2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1 Table Transl. Deb Trate: U0024 Field Table 0824 - 2359 Manitoring Time #85Mad-ebb: 0860 - 08;24 Mid-flood: 14:25 - 1756		Inspact Water Quality monitoring for [1], B2, B3, B4, B4, H1, C1A, C2A, F1A, CR1, C22, M1 Example 20, C22, M1 Example 20, C22, C22, C22, C22, C22, C22, C22,	
	28	29	30	31		
	Impact Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1 Tabl Deviate Bb Tabc 66:39 - 1314 Fbood Tabc 1314 - 2007 Monitoring Time Malesher 08:11 - 1141 Mid-flood: 14:55 - 18:25 Daytime & Evening Noise monitoring for M1, M2 & M3 Ecology monitoring for Minit Numark by Voss-Based Line-Transect	Impact Night time Noise monitoring for M1, M2 & M3	Impact Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CRT, R2, M1 <u>Titlel Parisci</u> Bb TisLeo 9620-1 4266 Flood Tidle: 1406 - 2025 <u>Monitoring Time</u> Mid-ebte: 0928 - 1258 Mid-flood: 1530 - 1900			
				· · · · · · · · · · · · · · · · · · ·		
onitoring (07:00-1900). Evening Time Noise Monitor	ing (1900-2300), Night Time Noise Monitoring (2300-0700)					

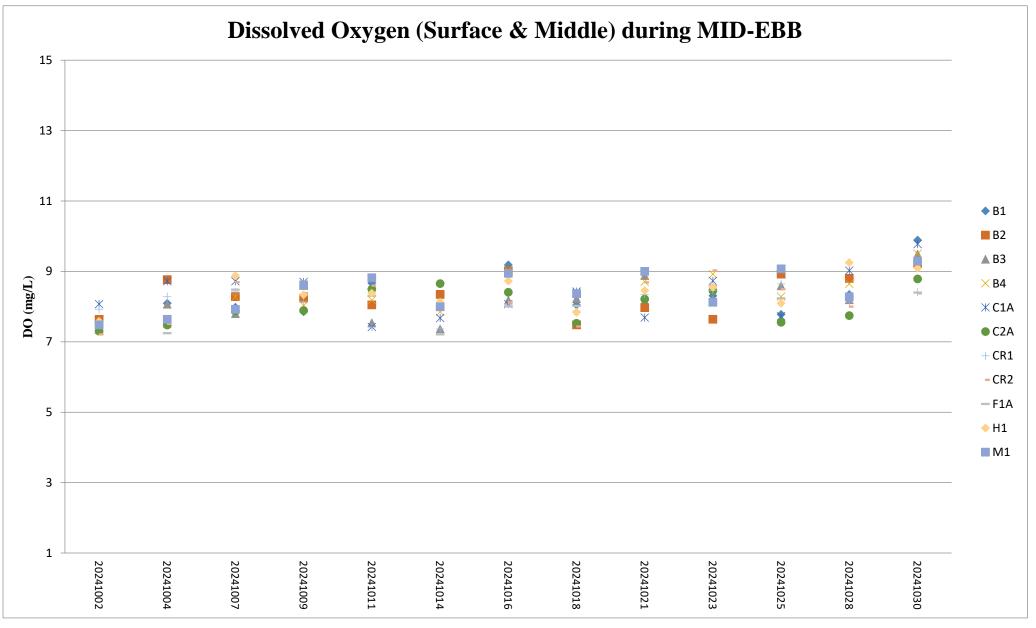
* as per Marine Department Note: No 107 d218, all vessels employed for the works aboud aisy in the works are oxtiside the hours of works (070 + Prioritized routing). Mole Birbl, C1 = 3-4, C2 = C1 + Remaining stations and Mole Aboc, C1 = 3-4, C2 = 3-4, C2 = 11-Remaining stations and S1 = Size produced tale is shorter that 3.5 hours, method of 90% tial period a monitoring time is approached. & C = 0.6 to safety counce for sampling energy of 0.9 % to large of a monitoring time is approached. As the soft of 0.9 % to large of a monitoring time is approached and end at 1900.

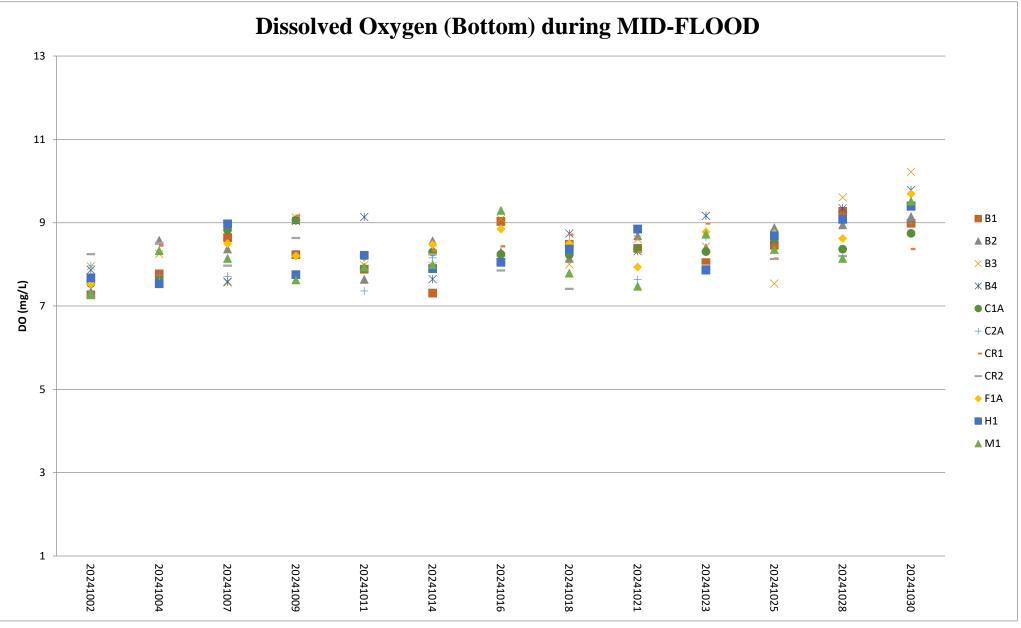
# Appendix D Water Quality Monitoring Data



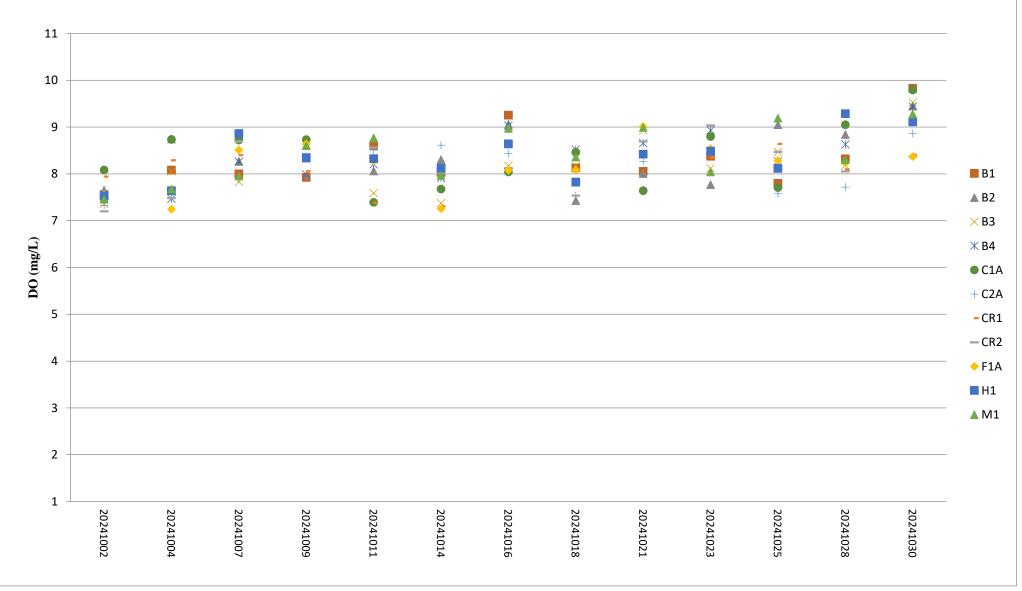




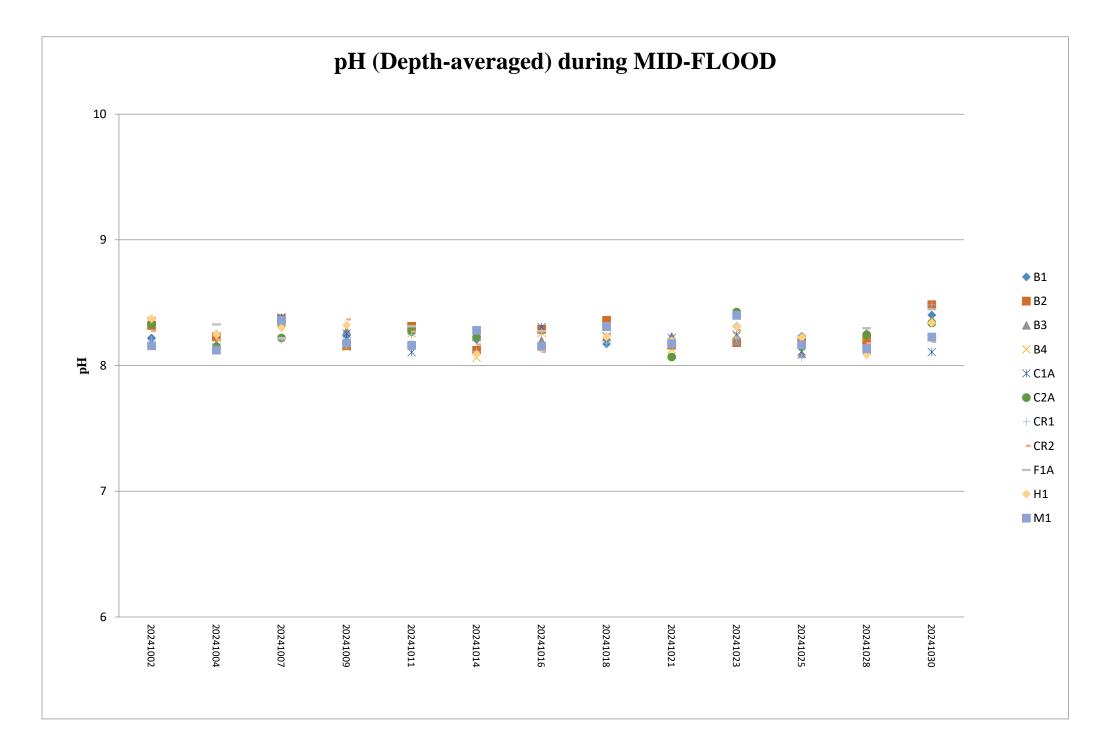


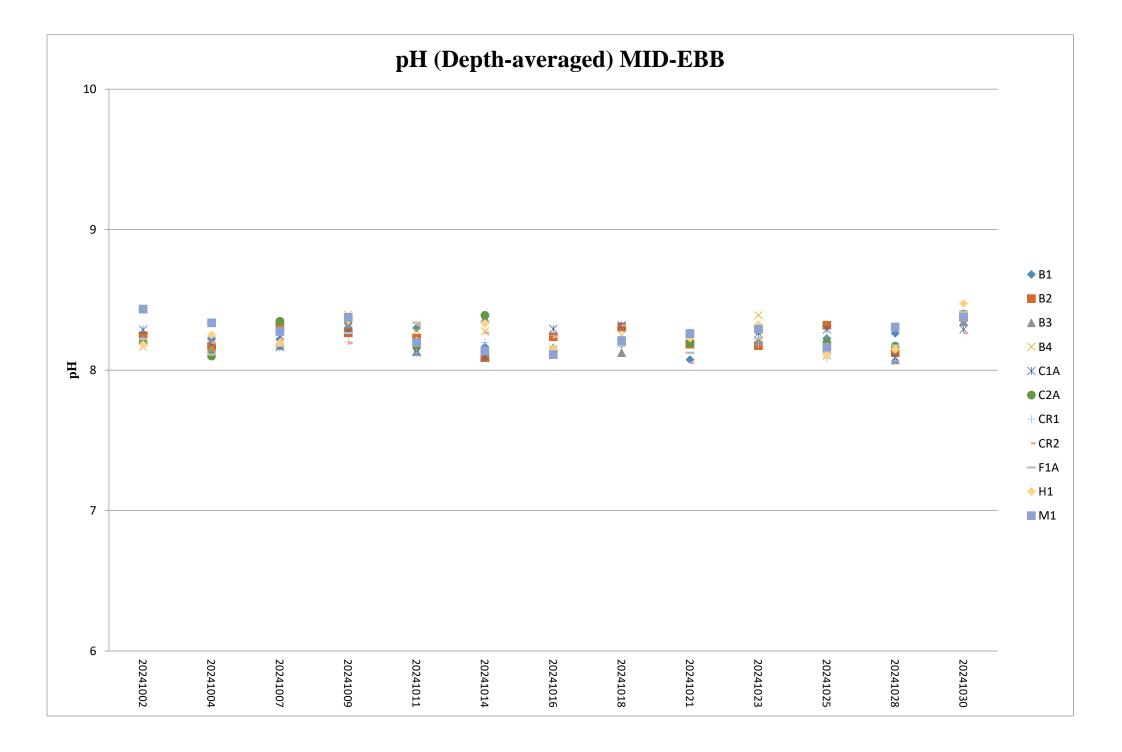


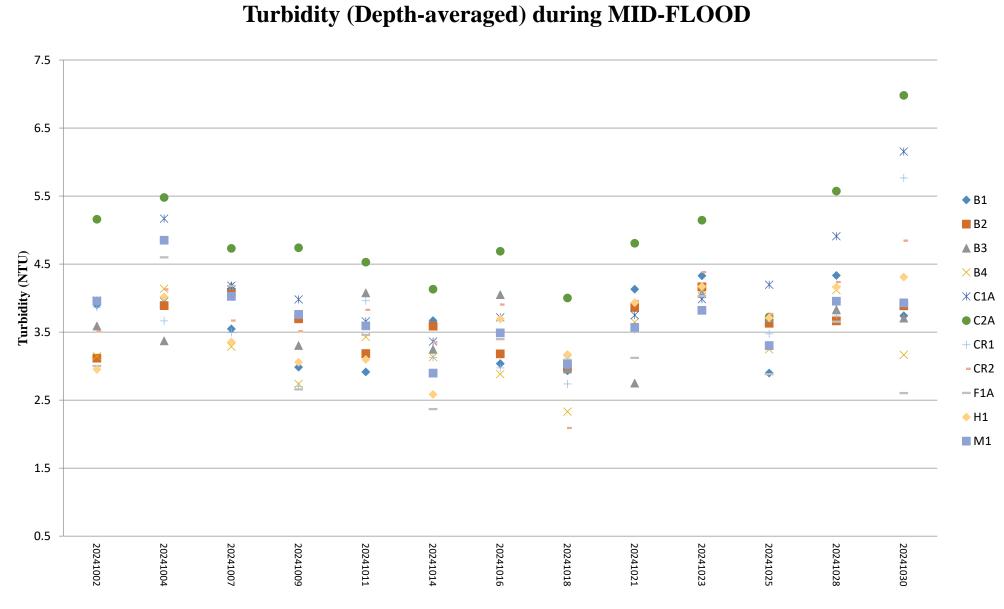
## **Dissolved Oxygen (Bottom) during MID-EBB**

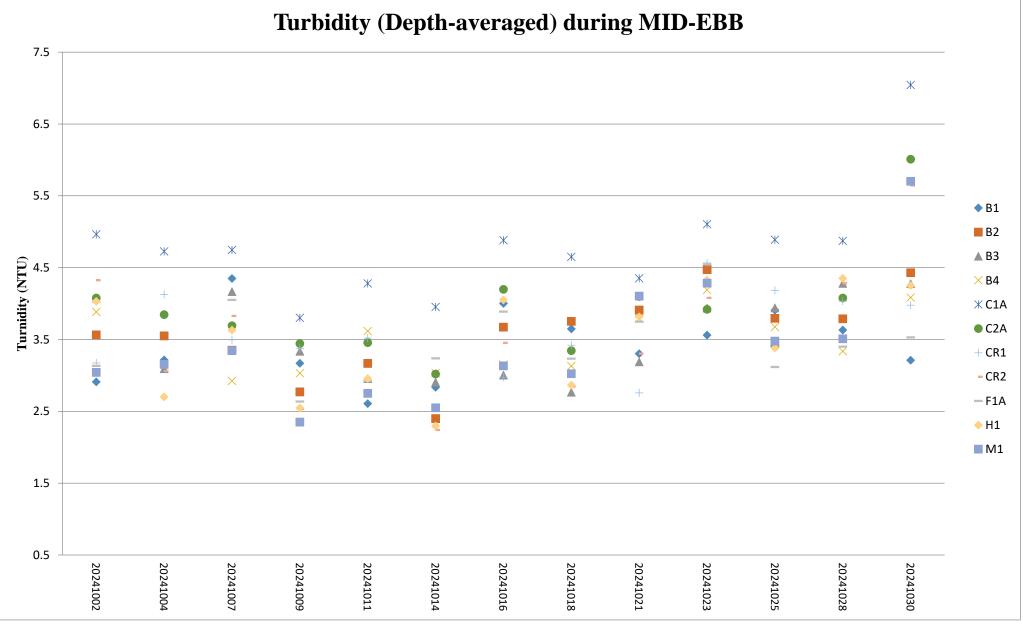


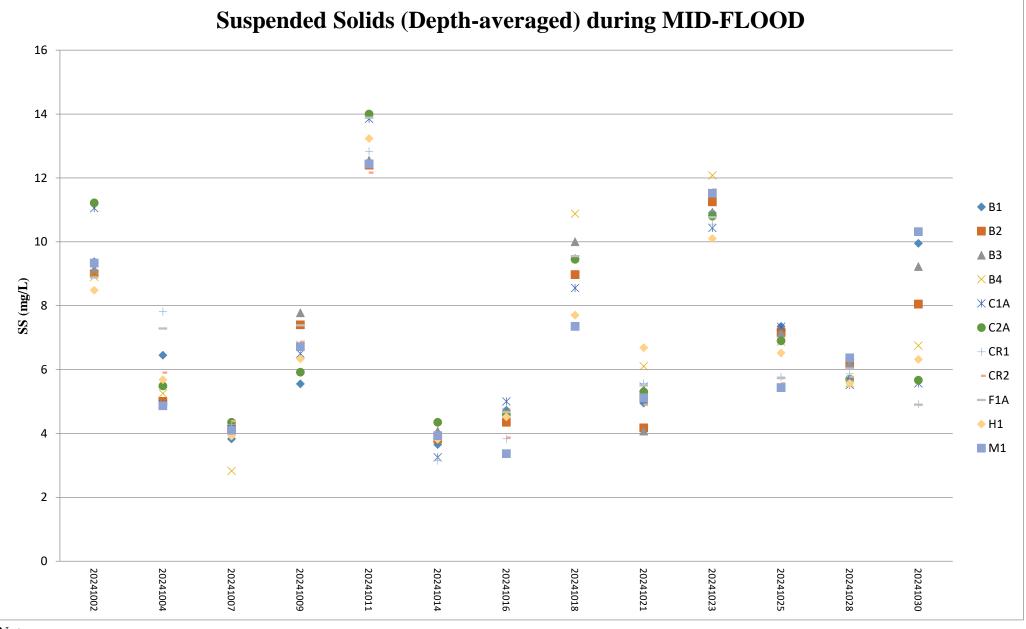
Note:



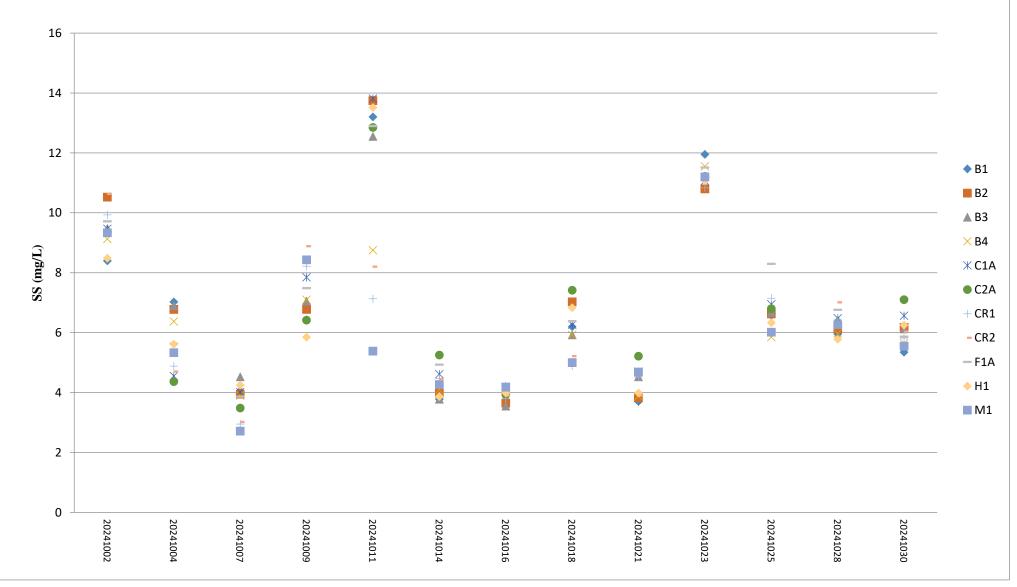




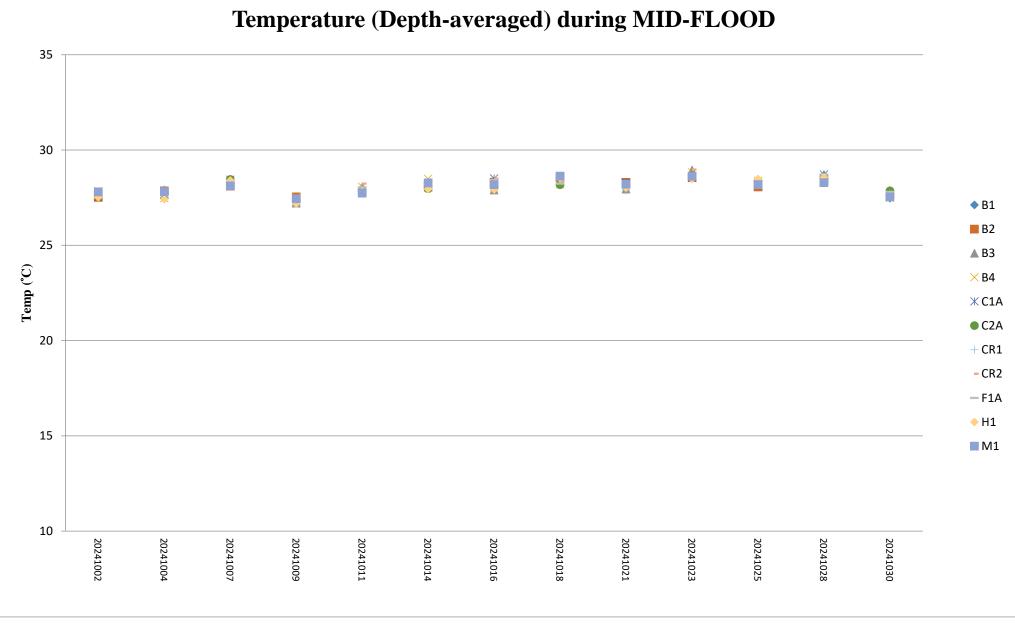




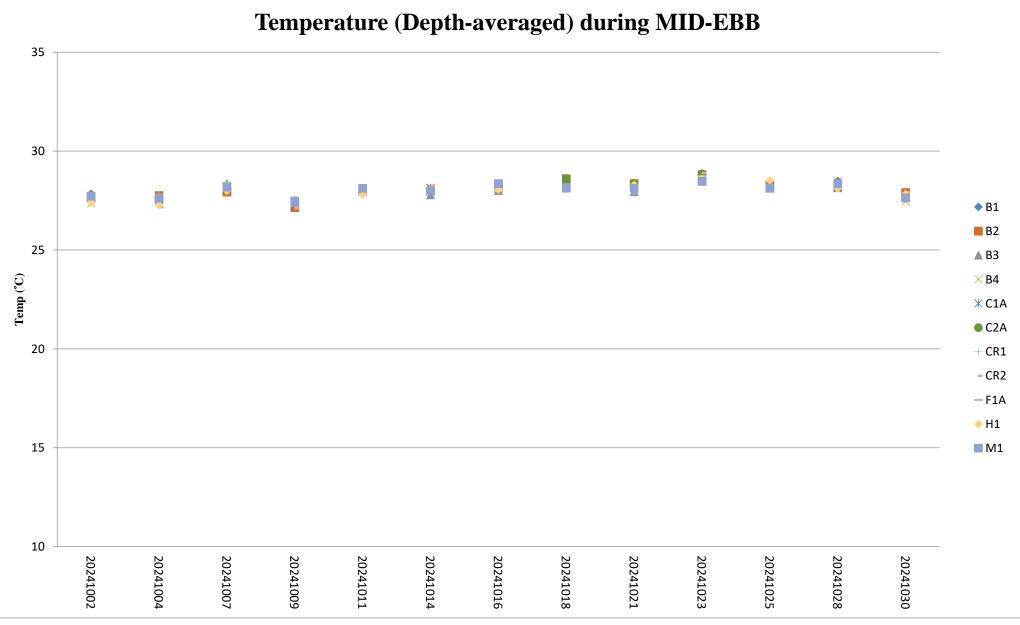
# Suspended Solids (Depth-averaged) during MID-EBB



Note:



1. The Action and Limit Levels of temperature can be referred to Table 2.7 of the monthly EM&A report.



1. The Action and Limit Levels of temperature can be referred to Table 2.7 of the monthly EM&A report.

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
B1	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:16	7.62	8.2	31.85	27.8	2.6	8.3
B1	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:16	7.55	8.2	31.86	27.86	2.6	9
B1	20241002	Sunny	Moderate	Mid-Ebb	Bottom	4	10:58	7.56	8.18	31.79	27.85	3.2	8.7
B1	20241002	Sunny	Moderate	Mid-Ebb	Bottom	4	10:58	7.56	8.16	31.79	27.84	3.2	7.6
B2	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:08	7.64	8.23	31.74	27.6	3.4	11.2
B2	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:08	7.63	8.23	31.74	27.66	3.3	9.8
B2	20241002	Sunny	Moderate	Mid-Ebb	Bottom	4.8	11:16	7.65	8.25	31.67	27.7	3.8	11.3
B2	20241002	Sunny	Moderate	Mid-Ebb	Bottom	4.8	11:16	7.65	8.27	31.73	27.6	3.8	9.8
B3	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	10:34	7.35	8.23	32.92	27.79	3.8	9.5
B3	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	10:34	7.36	8.22	32.96	27.74	3.9	8.8
B3	20241002	Sunny	Moderate	Mid-Ebb	Bottom	3.5	10:53	7.39	8.23	32.91	27.69	4.3	10.2
B3	20241002	Sunny	Moderate	Mid-Ebb	Bottom	3.5	10:53	7.32	8.22	32.88	27.79	4.4	9.4
B4	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:53	7.44	8.17	32.65	27.37	3.5	8.6
B4	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:53	7.42	8.17	32.46	27.37	3.6	8.9
B4	20241002	Sunny	Moderate	Mid-Ebb	Bottom	3.8	11:08	7.48	8.16	32.52	27.36	4.2	10.1
B4	20241002	Sunny	Moderate	Mid-Ebb	Bottom	3.8	11:08	7.5	8.17	32.44	27.35	4.2	8.9
C1A	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	12:16	8.07	8.27	31.92	27.66	4.7	10.1
C1A	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	12:16	8.1	8.31	31.86	27.64	4.9	8.6
C1A	20241002	Sunny	Moderate	Mid-Ebb	Middle	5.5	11:37	8.09	8.3	31.96	27.61	4.9	9.7
C1A	20241002	Sunny	Moderate	Mid-Ebb	Middle	5.5	11:37	8.03	8.3	31.94	27.59	5.0	9.2
C1A	20241002	Sunny	Moderate	Mid-Ebb	Bottom	10	10:32	8.07	8.28	31.98	27.64	5.1	10.2
C1A	20241002	Sunny	Moderate	Mid-Ebb	Bottom	10	10:32	8.09	8.27	32.04	27.57	5.2	9
C2A	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	10:36	7.31	8.2	31.69	27.62	3.9	9.4
C2A	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	10:36	7.29	8.17	31.51	27.63	3.9	8.9
C2A	20241002	Sunny	Moderate	Mid-Ebb	Middle	5.95	10:35	7.28	8.21	31.66	27.7	4.0	9.7
C2A	20241002	Sunny	Moderate	Mid-Ebb	Middle	5.95	10:35	7.34	8.19	31.67	27.68	4.0	9.4
C2A	20241002	Sunny	Moderate	Mid-Ebb	Bottom	10.9	10:34	7.33	8.21	31.64	27.62	4.3	9.5
C2A	20241002	Sunny	Moderate	Mid-Ebb	Bottom	10.9	10:34	7.32	8.21	31.54	27.65	4.4	9.2
CR1	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	12:08	7.93	8.19	31.84	27.79	2.9	9.6
CR1	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	12:08	7.92	8.21	31.81	27.72	2.9	9.5
CR1	20241002	Sunny	Moderate	Mid-Ebb	Middle	6.5	12:07	7.94	8.21	31.73	27.77	3.1	9.9
CR1	20241002	Sunny	Moderate	Mid-Ebb	Middle	6.5	12:07	7.91	8.19	31.8	27.78	3.2	11.1
CR1	20241002	Sunny	Moderate	Mid-Ebb	Bottom	12	12:06	7.93	8.22	31.77	27.73	3.5	9.7
CR1	20241002	Sunny	Moderate	Mid-Ebb	Bottom	12	12:06	7.95	8.19	31.65	27.74	3.4	9.8
CR2	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:55	7.21	8.19	32.51	27.68	4.1	11
CR2	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:55	7.17	8.17	32.63	27.71	4.0	12.2
CR2	20241002	Sunny	Moderate	Mid-Ebb	Middle	5.45	11:54	7.23	8.16	32.48	27.74	4.2	9.8
CR2	20241002	Sunny	Moderate	Mid-Ebb	Middle	5.45	11:54	7.24	8.19	32.54	27.68	4.3	8.8
CR2	20241002	Sunny	Moderate	Mid-Ebb	Bottom	9.9	11:53	7.23	8.18	32.47	27.72	4.7	10.3
CR2	20241002	Sunny	Moderate	Mid-Ebb	Bottom	9.9	11:53	7.17	8.17	32.6	27.66	4.6	11.7
F1A	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:42	7.51	8.23	31.44	27.81	2.9	10.3
F1A	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:42	7.58	8.24	31.41	27.9	2.8	9.5

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
F1A	20241002	Sunny	Moderate	Mid-Ebb	Middle	4.1	11:41	7.5	8.23	31.27	27.83	3.1	9.6
F1A	20241002	Sunny	Moderate	Mid-Ebb	Middle	4.1	11:41	7.5	8.21	31.42	27.84	3.2	9.4
F1A	20241002	Sunny	Moderate	Mid-Ebb	Bottom	7.2	11:40	7.54	8.21	31.34	27.89	3.5	9.8
F1A	20241002	Sunny	Moderate	Mid-Ebb	Bottom	7.2	11:40	7.58	8.22	31.4	27.85	3.4	9.7
H1	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:39	7.6	8.19	32.14	27.4	3.8	8.7
H1	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	11:39	7.59	8.18	32.26	27.42	3.8	8.2
H1	20241002	Sunny	Moderate	Mid-Ebb	Middle	4.25	11:38	7.58	8.18	32.08	27.42	4.1	8.9
H1	20241002	Sunny	Moderate	Mid-Ebb	Middle	4.25	11:38	7.56	8.16	32.07	27.44	3.9	8.1
H1	20241002	Sunny	Moderate	Mid-Ebb	Bottom	7.5	11:37	7.52	8.2	32.08	27.43	4.3	8.4
H1	20241002	Sunny	Moderate	Mid-Ebb	Bottom	7.5	11:37	7.54	8.18	32.07	27.43	4.3	8.6
M1	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	12:18	7.44	8.44	31.31	27.73	2.7	9.1
M1	20241002	Sunny	Moderate	Mid-Ebb	Surface	1	12:18	7.49	8.45	31.31	27.74	2.9	9.5
M1	20241002	Sunny	Moderate	Mid-Ebb	Middle	4.65	12:17	7.51	8.42	31.47	27.72	3.1	10.6
M1	20241002	Sunny	Moderate	Mid-Ebb	Middle	4.65	12:17	7.49	8.44	31.37	27.72	3.0	9.2
M1	20241002	Sunny	Moderate	Mid-Ebb	Bottom	8.3	12:16	7.47	8.44	31.31	27.69	3.4	8
M1	20241002	Sunny	Moderate	Mid-Ebb	Bottom	8.3	12:16	7.44	8.42	31.34	27.75	3.3	9.6
B1	20241002	Sunny	Moderate	Mid-Flood	Surface	1	17:06	7.23	8.23	32.92	27.51	3.7	9.2
B1	20241002	Sunny	Moderate	Mid-Flood	Surface	1	17:06	7.25	8.21	32.83	27.47	3.6	9.3
B1	20241002	Sunny	Moderate	Mid-Flood	Bottom	3.6	17:05	7.26	8.21	32.78	27.47	4.2	9.2
B1	20241002	Sunny	Moderate	Mid-Flood	Bottom	3.6	17:05	7.28	8.23	32.77	27.53	4.1	9.8
B2	20241002	Sunny	Moderate	Mid-Flood	Surface	1	17:24	7.36	8.32	31.78	27.54	2.9	8.8
B2	20241002	Sunny	Moderate	Mid-Flood	Surface	1	17:24	7.38	8.32	31.86	27.51	2.8	9.2
B2	20241002	Sunny	Moderate	Mid-Flood	Bottom	4	17:23	7.35	8.31	31.69	27.47	3.3	9.8
B2	20241002	Sunny	Moderate	Mid-Flood	Bottom	4	17:23	7.34	8.33	31.78	27.54	3.5	8.2
B3	20241002	Sunny	Moderate	Mid-Flood	Surface	1	16:59	7.97	8.36	31.88	27.74	3.4	9.9
B3	20241002	Sunny	Moderate	Mid-Flood	Surface	1	16:59	7.92	8.36	32.03	27.8	3.3	9.6
B3	20241002	Sunny	Moderate	Mid-Flood	Bottom	3.4	16:58	7.97	8.32	32.09	27.83	3.9	8.6
B3	20241002	Sunny	Moderate	Mid-Flood	Bottom	3.4	16:58	7.94	8.32	31.97	27.8	3.8	8.5
B4	20241002	Sunny	Moderate	Mid-Flood	Surface	1	17:14	7.85	8.32	31.69	27.81	2.9	8.8
B4	20241002	Sunny	Moderate	Mid-Flood	Surface	1	17:14	7.9	8.35	31.73	27.83	2.9	8.5
B4	20241002	Sunny	Moderate	Mid-Flood	Bottom	4.2	17:13	7.87	8.34	31.76	27.88	3.4	9.2
B4	20241002	Sunny	Moderate	Mid-Flood	Bottom	4.2	17:13	7.86	8.34	31.76	27.84	3.4	9.1
C1A	20241002	Sunny	Moderate	Mid-Flood	Surface	1	16:42	7.52	8.2	32.75	27.54	3.8	11
C1A	20241002	Sunny	Moderate	Mid-Flood	Surface	1	16:42	7.53	8.19	32.68	27.52	3.7	12
C1A	20241002	Sunny	Moderate	Mid-Flood	Middle	5.55	16:41	7.5	8.18	32.58	27.54	3.9	11.3
C1A	20241002	Sunny	Moderate	Mid-Flood	Middle	5.55	16:41	7.53	8.17	32.63	27.46	3.9	10.8
C1A	20241002	Sunny	Moderate	Mid-Flood	Bottom	10.1	16:40	7.53	8.17	32.77	27.48	4.3	10.5
C1A	20241002	Sunny	Moderate	Mid-Flood	Bottom	10.1	16:40	7.55	8.21	32.58	27.55	4.2	10.7
C2A	20241002	Sunny	Moderate	Mid-Flood	Surface	1	16:41	7.95	8.33	32.06	27.79	4.9	12.4
C2A	20241002	Sunny	Moderate	Mid-Flood	Surface	1	16:41	7.97	8.34	32.22	27.75	4.9	11.1
C2A	20241002	Sunny	Moderate	Mid-Flood	Middle	6	16:40	8	8.33	32.07	27.8	5.1	10.7

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
C2A	20241002	Sunny	Moderate	Mid-Flood	Middle	6	16:40	7.95	8.32	32.12	27.84	5.1	11
C2A	20241002	Sunny	Moderate	Mid-Flood	Bottom	11	16:39	7.98	8.34	32.04	27.84	5.5	11.5
C2A	20241002	Sunny	Moderate	Mid-Flood	Bottom	11	16:39	7.95	8.31	32.04	27.74	5.5	10.6
CR1	20241002	Sunny	Moderate	Mid-Flood	Surface	1	18:15	7.65	8.19	31.55	27.59	3.7	10.6
CR1	20241002	Sunny	Moderate	Mid-Flood	Surface	1	18:15	7.6	8.19	31.66	27.57	3.6	9.7
CR1	20241002	Sunny	Moderate	Mid-Flood	Middle	6.45	18:14	7.35	8.22	31.48	27.59	3.8	8.3
CR1	20241002	Sunny	Moderate	Mid-Flood	Middle	6.45	18:14	7.31	8.22	31.5	27.64	3.9	8.7
CR1	20241002	Sunny	Moderate	Mid-Flood	Bottom	11.9	18:13	7.26	8.21	31.46	27.59	4.1	9.5
CR1	20241002	Sunny	Moderate	Mid-Flood	Bottom	11.9	18:13	7.21	8.19	31.69	27.59	4.1	9.1
CR2	20241002	Sunny	Moderate	Mid-Flood	Surface	1	18:02	8.2	8.27	32.02	27.81	3.3	9.4
CR2	20241002	Sunny	Moderate	Mid-Flood	Surface	1	18:02	8.22	8.3	32.15	27.81	3.3	8.7
CR2	20241002	Sunny	Moderate	Mid-Flood	Middle	5.8	18:01	8.28	8.3	32.12	27.86	3.5	9.8
CR2	20241002	Sunny	Moderate	Mid-Flood	Middle	5.8	18:01	8.27	8.26	31.99	27.89	3.4	9
CR2	20241002	Sunny	Moderate	Mid-Flood	Bottom	10.6	18:00	8.21	8.26	32.11	27.82	3.7	9
CR2	20241002	Sunny	Moderate	Mid-Flood	Bottom	10.6	18:00	8.28	8.26	32.11	27.85	3.8	10.2
F1A	20241002	Sunny	Moderate	Mid-Flood	Surface	1	17:45	7.48	8.39	31.48	27.77	2.8	8.8
F1A	20241002	Sunny	Moderate	Mid-Flood	Surface	1	17:45	7.53	8.39	31.53	27.7	2.7	9.6
F1A	20241002	Sunny	Moderate	Mid-Flood	Middle	3.8	18:04	7.56	8.38	31.55	27.73	3.0	9
F1A	20241002	Sunny	Moderate	Mid-Flood	Middle	3.8	18:04	7.51	8.38	31.53	27.72	3.0	8.5
F1A	20241002	Sunny	Moderate	Mid-Flood	Bottom	6.6	18:03	7.54	8.36	31.54	27.71	3.2	8.8
F1A	20241002	Sunny	Moderate	Mid-Flood	Bottom	6.6	18:03	7.52	8.38	31.58	27.67	3.4	8.6
H1	20241002	Sunny	Moderate	Mid-Flood	Surface	1	17:44	7.7	8.38	32.49	27.52	2.8	8.7
H1	20241002	Sunny	Moderate	Mid-Flood	Surface	1	17:44	7.66	8.35	32.31	27.47	2.7	8.2
H1	20241002	Sunny	Moderate	Mid-Flood	Middle	3.8	17:47	7.7	8.38	32.42	27.55	3.0	8.9
H1	20241002	Sunny	Moderate	Mid-Flood	Middle	3.8	17:47	7.72	8.39	32.43	27.55	2.8	8.1
H1	20241002	Sunny	Moderate	Mid-Flood	Bottom	6.6	17:46	7.67	8.35	32.43	27.53	3.2	8.4
H1	20241002	Sunny	Moderate	Mid-Flood	Bottom	6.6	17:46	7.68	8.39	32.43	27.53	3.3	8.6
M1	20241002	Sunny	Moderate	Mid-Flood	Surface	1	18:22	7.27	8.15	31.99	27.82	3.6	9.1
M1	20241002	Sunny	Moderate	Mid-Flood	Surface	1	18:22	7.31	8.17	32.02	27.78	3.8	9.5
M1	20241002	Sunny	Moderate	Mid-Flood	Middle	3.8	17:46	7.33	8.14	32.09	27.77	3.9	10.6
M1	20241002	Sunny	Moderate	Mid-Flood	Middle	3.8	17:46	7.27	8.17	32.03	27.84	3.9	9.2
M1	20241002	Sunny	Moderate	Mid-Flood	Bottom	6.7	17:45	7.27	8.16	32.12	27.83	4.3	8
M1	20241002	Sunny	Moderate	Mid-Flood	Bottom	6.7	17:45	7.29	8.16	32.13	27.78	4.3	9.6
B1	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:00	8.11	8.22	32.21	27.46	2.9	5
B1	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:00	8.08	8.26	32.26	27.34	3.0	5.6
B1	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	4	11:59	8.09	8.22	32.14	27.45	3.4	8.4
B1	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	4	11:59	8.07	8.22	32.23	27.42	3.5	9.1
B2	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:18	8.78	8.17	32.51	27.75	3.3	6.9
B2	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:18	8.75	8.16	32.36	27.74	3.4	7.6
B2	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	4.4	12:17	8.79	8.19	32.42	27.75	3.8	6
B2	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	4.4	12:17	8.7	8.16	32.36	27.76	3.8	6.6

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
В3	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	11:57	8.06	8.16	32.77	27.4	2.8	6.7
B3	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	11:57	8.07	8.15	32.68	27.47	2.9	7.5
B3	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	11:56	8.04	8.14	32.64	27.49	3.4	6.3
B3	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	11:56	8.06	8.17	32.67	27.48	3.3	7.1
B4	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:10	7.51	8.14	33.13	27.59	2.9	5.5
B4	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:10	7.51	8.17	33.11	27.6	3.0	6.4
B4	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	12:09	7.47	8.15	33.16	27.6	3.4	7
B4	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	12:09	7.46	8.18	33.13	27.62	3.3	6.6
C1A	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	11:33	8.77	8.2	32.81	27.58	4.5	4.6
C1A	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	11:33	8.7	8.2	32.79	27.62	4.4	4.6
C1A	20241004	Cloudy	Moderate	Mid-Ebb	Middle	5.3	11:32	8.71	8.18	32.73	27.53	4.9	4.3
C1A	20241004	Cloudy	Moderate	Mid-Ebb	Middle	5.3	11:32	8.7	8.18	32.78	27.52	4.8	5.1
C1A	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	9.6	11:31	8.77	8.19	32.67	27.58	4.9	4.9
C1A	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	9.6	11:31	8.7	8.21	32.73	27.6	4.9	3.8
C2A	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	11:39	7.47	8.11	31.59	27.45	3.6	4.1
C2A	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	11:39	7.47	8.08	31.5	27.54	3.7	4.5
C2A	20241004	Cloudy	Moderate	Mid-Ebb	Middle	6.15	11:38	7.49	8.11	31.58	27.51	3.9	3.6
C2A	20241004	Cloudy	Moderate	Mid-Ebb	Middle	6.15	11:38	7.47	8.08	31.59	27.44	3.8	4.4
C2A	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	11.3	11:37	7.47	8.1	31.51	27.48	4.1	5.1
C2A	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	11.3	11:37	7.48	8.12	31.56	27.53	4.1	4.5
CR1	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	13:09	8.25	8.23	33.11	27.8	4.0	5.1
CR1	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	13:09	8.33	8.24	33.12	27.8	3.9	5.3
CR1	20241004	Cloudy	Moderate	Mid-Ebb	Middle	6.2	13:08	8.28	8.24	33.09	27.71	4.1	2.9
CR1	20241004	Cloudy	Moderate	Mid-Ebb	Middle	6.2	13:08	8.26	8.23	33.22	27.74	4.1	4
CR1	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	11.4	13:07	8.27	8.22	33.09	27.8	4.4	5.5
CR1	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	11.4	13:07	8.31	8.24	33.14	27.73	4.4	6.5
CR2	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:56	7.53	8.18	32.35	27.13	2.9	5.2
CR2	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:56	7.55	8.18	32.3	27.17	2.9	3.8
CR2	20241004	Cloudy	Moderate	Mid-Ebb	Middle	6.05	12:55	7.49	8.19	32.31	27.18	3.0	4.4
CR2	20241004	Cloudy	Moderate	Mid-Ebb	Middle	6.05	12:55	7.48	8.2	32.41	27.13	3.0	5.6
CR2	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	11.1	12:54	7.47	8.21	32.36	27.19	3.3	4.3
CR2	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	11.1	12:54	7.49	8.21	32.29	27.17	3.4	4.9
F1A	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:45	7.24	8.13	31.92	27.6	3.0	6.3
F1A	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:45	7.27	8.1	31.93	27.63	2.9	7.7
F1A	20241004	Cloudy	Moderate	Mid-Ebb	Middle	4.1	12:44	7.21	8.13	31.98	27.65	3.2	4
F1A	20241004	Cloudy	Moderate	Mid-Ebb	Middle	4.1	12:44	7.26	8.09	31.95	27.56	3.2	5
F1A	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	7.2	12:43	7.26	8.11	31.89	27.58	3.3	5.3
F1A	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	7.2	12:43	7.23	8.11	31.96	27.67	3.5	5.5
H1	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:40	7.64	8.23	32.05	27.27	2.4	7.1
H1	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	12:40	7.66	8.27	31.96	27.24	2.5	5.5
H1	20241004	Cloudy	Moderate	Mid-Ebb	Middle	4	12:39	7.65	8.25	32.02	27.25	2.7	5.4

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
H1	20241004	Cloudy	Moderate	Mid-Ebb	Middle	4	12:39	7.63	8.26	31.98	27.23	2.7	6.4
H1	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	7	12:38	7.63	8.26	32.1	27.34	3.0	4.9
H1	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	7	12:38	7.65	8.24	32.08	27.3	3.0	4.4
M1	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	13:21	7.65	8.34	33.06	27.63	2.9	4.3
M1	20241004	Cloudy	Moderate	Mid-Ebb	Surface	1	13:21	7.63	8.33	33.01	27.62	2.9	5.2
M1	20241004	Cloudy	Moderate	Mid-Ebb	Middle	4.8	13:20	7.61	8.33	33	27.6	3.1	4.5
M1	20241004	Cloudy	Moderate	Mid-Ebb	Middle	4.8	13:20	7.66	8.33	33.04	27.62	3.2	5.9
M1	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	8.6	13:19	7.69	8.34	33.05	27.67	3.4	7.4
M1	20241004	Cloudy	Moderate	Mid-Ebb	Bottom	8.6	13:19	7.66	8.35	32.95	27.64	3.5	4.7
B1	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	09:20	7.77	8.28	33.02	27.47	3.8	7.6
B1	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	09:20	7.79	8.24	33.11	27.38	3.7	7.7
B1	20241004	Cloudy	Moderate	Mid-Flood	Bottom	4.5	09:19	7.8	8.24	32.97	27.48	4.3	5.5
B1	20241004	Cloudy	Moderate	Mid-Flood	Bottom	4.5	09:19	7.74	8.24	32.99	27.5	4.2	5
B2	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	09:39	8.56	8.21	33.38	27.87	3.6	5.6
B2	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	09:39	8.58	8.25	33.29	27.9	3.7	4.5
B2	20241004	Cloudy	Moderate	Mid-Flood	Bottom	4.1	09:38	8.56	8.22	33.36	27.81	4.1	6
B2	20241004	Cloudy	Moderate	Mid-Flood	Bottom	4.1	09:38	8.59	8.24	33.31	27.82	4.2	3.9
B3	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:20	8.21	8.15	32.6	27.85	3.1	6.1
B3	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:20	8.29	8.18	32.69	27.94	3.1	4.6
B3	20241004	Cloudy	Moderate	Mid-Flood	Bottom	4.2	08:19	8.23	8.19	32.72	27.92	3.7	5.9
B3	20241004	Cloudy	Moderate	Mid-Flood	Bottom	4.2	08:19	8.27	8.18	32.71	27.92	3.7	5.6
B4	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:35	7.69	8.22	32	27.43	3.9	4.1
B4	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:35	7.62	8.21	32.01	27.48	3.9	5.3
B4	20241004	Cloudy	Moderate	Mid-Flood	Bottom	4.1	08:34	7.6	8.23	31.96	27.48	4.4	5.6
B4	20241004	Cloudy	Moderate	Mid-Flood	Bottom	4.1	08:34	7.63	8.22	31.94	27.51	4.3	6
C1A	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:55	7.62	8.15	31.91	27.74	4.9	5.4
C1A	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:55	7.71	8.16	31.89	27.68	5.0	4
C1A	20241004	Cloudy	Moderate	Mid-Flood	Middle	6	08:54	7.64	8.13	31.91	27.7	5.2	4.7
C1A	20241004	Cloudy	Moderate	Mid-Flood	Middle	6	08:54	7.71	8.15	31.84	27.72	5.2	5.2
C1A	20241004	Cloudy	Moderate	Mid-Flood	Bottom	11	08:53	7.64	8.13	31.88	27.64	5.4	5.6
C1A	20241004	Cloudy	Moderate	Mid-Flood	Bottom	11	08:53	7.62	8.14	31.86	27.71	5.4	4.6
C2A	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:02	7.73	8.17	32.54	27.73	5.2	6.1
C2A	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:02	7.73	8.16	32.5	27.72	5.0	5.7
C2A	20241004	Cloudy	Moderate	Mid-Flood	Middle	5.6	08:01	7.68	8.13	32.63	27.78	5.4	5.7
C2A	20241004	Cloudy	Moderate	Mid-Flood	Middle	5.6	08:01	7.7	8.16	32.49	27.73	5.4	5.8
C2A	20241004	Cloudy	Moderate	Mid-Flood	Bottom	10.2	08:00	7.74	8.14	32.53	27.74	6.1	4.4
C2A	20241004	Cloudy	Moderate	Mid-Flood	Bottom	10.2	08:00	7.71	8.14	32.56	27.75	5.9	5.2
CR1	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:20	8.47	8.23	32.9	27.58	3.5	7.9
CR1	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:20	8.44	8.24	32.93	27.53	3.5	8.3
CR1	20241004	Cloudy	Moderate	Mid-Flood	Middle	6.2	08:19	8.43	8.24	32.94	27.53	3.6	8.2
CR1	20241004	Cloudy	Moderate	Mid-Flood	Middle	6.2	08:19	8.41	8.24	32.94	27.56	3.6	8.1

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
CR1	20241004	Cloudy	Moderate	Mid-Flood	Bottom	11.4	08:18	8.42	8.22	32.93	27.48	3.9	7.2
CR1	20241004	Cloudy	Moderate	Mid-Flood	Bottom	11.4	08:18	8.48	8.24	32.95	27.56	3.9	7.2
CR2	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:36	8.57	8.21	31.31	27.86	3.9	5.1
CR2	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	08:36	8.51	8.19	31.27	27.82	3.9	5.6
CR2	20241004	Cloudy	Moderate	Mid-Flood	Middle	5.55	08:35	8.57	8.21	31.26	27.8	4.0	9.8
CR2	20241004	Cloudy	Moderate	Mid-Flood	Middle	5.55	08:35	8.58	8.19	31.18	27.88	4.2	6
CR2	20241004	Cloudy	Moderate	Mid-Flood	Bottom	10.1	08:34	8.53	8.22	31.29	27.86	4.4	4.4
CR2	20241004	Cloudy	Moderate	Mid-Flood	Bottom	10.1	08:34	8.5	8.22	31.21	27.82	4.5	4.5
F1A	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	09:08	7.54	8.34	31.8	27.82	4.5	6.3
F1A	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	09:08	7.55	8.34	31.78	27.77	4.3	6.2
F1A	20241004	Cloudy	Moderate	Mid-Flood	Middle	3.85	09:07	7.52	8.32	31.88	27.73	4.5	6.7
F1A	20241004	Cloudy	Moderate	Mid-Flood	Middle	3.85	09:07	7.51	8.33	31.89	27.73	4.5	7.1
F1A	20241004	Cloudy	Moderate	Mid-Flood	Bottom	6.7	09:06	7.57	8.32	31.78	27.84	4.9	6.2
F1A	20241004	Cloudy	Moderate	Mid-Flood	Bottom	6.7	09:06	7.54	8.32	31.88	27.85	5.0	11.2
H1	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	10:08	7.53	8.26	32.86	27.38	3.8	4.8
H1	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	10:08	7.49	8.23	32.96	27.38	3.7	6
H1	20241004	Cloudy	Moderate	Mid-Flood	Middle	3.9	10:07	7.57	8.27	32.95	27.44	4.0	5.5
H1	20241004	Cloudy	Moderate	Mid-Flood	Middle	3.9	10:07	7.52	8.23	32.93	27.44	4.0	4.2
H1	20241004	Cloudy	Moderate	Mid-Flood	Bottom	6.8	10:06	7.58	8.26	32.89	27.46	4.3	6.2
H1	20241004	Cloudy	Moderate	Mid-Flood	Bottom	6.8	10:06	7.49	8.24	32.85	27.42	4.3	7.4
M1	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	09:44	8.34	8.12	33.2	27.77	4.7	5.5
M1	20241004	Cloudy	Moderate	Mid-Flood	Surface	1	09:44	8.32	8.14	33.22	27.88	4.6	4.7
M1	20241004	Cloudy	Moderate	Mid-Flood	Middle	4.3	09:43	8.34	8.13	33.14	27.89	4.8	5.2
M1	20241004	Cloudy	Moderate	Mid-Flood	Middle	4.3	09:43	8.38	8.13	33.2	27.78	4.8	4.8
M1	20241004	Cloudy	Moderate	Mid-Flood	Bottom	7.6	09:42	8.34	8.1	33.1	27.79	5.1	4.5
M1	20241004	Cloudy	Moderate	Mid-Flood	Bottom	7.6	09:42	8.31	8.12	33.16	27.77	5.1	4.5
B1	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	13:23	7.98	8.21	32.62	28.36	4.1	3.9
B1	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	13:23	7.98	8.2	32.52	28.28	4.1	4.7
B1	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	13:22	7.99	8.23	32.58	28.32	4.7	3.2
B1	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	13:22	8.01	8.24	32.58	28.32	4.6	4.4
B2	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	13:41	8.28	8.33	32.88	28	3.1	3.4
B2	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	13:41	8.29	8.32	32.87	27.92	3.2	3.9
B2	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	4.9	13:40	8.31	8.29	32.82	27.91	3.6	4.8
B2	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	4.9	13:40	8.22	8.34	32.8	27.89	3.6	3.7
B3	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	13:16	7.78	8.16	33.57	28.28	3.9	3.7
В3	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	13:16	7.82	8.19	33.58	28.37	3.9	5
В3	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	4.5	13:15	7.85	8.17	33.58	28.34	4.5	5.3
B3	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	4.5	13:15	7.81	8.19	33.56	28.4	4.4	4.1
B4	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	13:31	8.28	8.33	33.21	28.26	2.7	4.2
B4	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	13:31	8.26	8.35	33.24	28.26	2.7	4.1
B4	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	3.1	13:30	8.22	8.33	33.25	28.23	3.2	3.4

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
B4	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	3.1	13:30	8.3	8.34	33.25	28.23	3.1	3.9
C1A	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	12:58	8.73	8.18	33.09	28.1	4.4	6.3
C1A	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	12:58	8.72	8.19	33.13	28.04	4.2	5.9
C1A	20241007	Cloudy	Moderate	Mid-Ebb	Middle	5	12:57	8.74	8.18	33.13	28.07	4.9	2
C1A	20241007	Cloudy	Moderate	Mid-Ebb	Middle	5	12:57	8.7	8.14	33.1	28.02	4.7	2.7
C1A	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	9	12:56	8.74	8.16	33.1	28.13	5.1	4.2
C1A	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	9	12:56	8.7	8.14	33.13	28.05	5.2	3
C2A	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	12:58	7.86	8.38	31.78	28.02	3.5	4.2
C2A	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	12:58	7.86	8.33	31.8	28.05	3.5	5.5
C2A	20241007	Cloudy	Moderate	Mid-Ebb	Middle	6.25	12:57	7.85	8.36	31.73	28	3.6	2.4
C2A	20241007	Cloudy	Moderate	Mid-Ebb	Middle	6.25	12:57	7.91	8.34	31.76	28.02	3.6	2.5
C2A	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	11.5	12:56	7.91	8.33	31.68	28.11	4.0	2.6
C2A	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	11.5	12:56	7.88	8.35	31.76	28.07	4.0	3.7
CR1	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	14:32	8.4	8.28	32.44	28.3	3.3	3
CR1	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	14:32	8.37	8.31	32.46	28.25	3.3	2.7
CR1	20241007	Cloudy	Moderate	Mid-Ebb	Middle	6.65	14:31	8.46	8.29	32.38	28.29	3.4	2.7
CR1	20241007	Cloudy	Moderate	Mid-Ebb	Middle	6.65	14:31	8.43	8.29	32.43	28.34	3.4	2.4
CR1	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	12.3	14:30	8.42	8.28	32.42	28.29	3.8	3.5
CR1	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	12.3	14:30	8.38	8.3	32.42	28.22	3.8	3.4
CR2	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	14:19	8.66	8.22	32.5	27.98	3.7	3.5
CR2	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	14:19	8.7	8.2	32.55	27.99	3.6	2.2
CR2	20241007	Cloudy	Moderate	Mid-Ebb	Middle	6.15	14:18	8.7	8.23	32.5	27.95	3.8	3.1
CR2	20241007	Cloudy	Moderate	Mid-Ebb	Middle	6.15	14:18	8.72	8.21	32.53	27.95	3.7	3.2
CR2	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	11.3	14:17	8.67	8.25	32.52	28.05	4.1	2.6
CR2	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	11.3	14:17	8.71	8.22	32.51	28.03	4.1	3.5
F1A	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	14:04	8.51	8.16	31.92	28.33	3.8	4
F1A	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	14:04	8.46	8.17	32	28.44	3.9	5
F1A	20241007	Cloudy	Moderate	Mid-Ebb	Middle	4.4	14:03	8.49	8.2	31.96	28.39	3.9	2.8
F1A	20241007	Cloudy	Moderate	Mid-Ebb	Middle	4.4	14:03	8.47	8.15	31.89	28.37	4.1	4.1
F1A	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	7.8	14:02	8.51	8.19	31.89	28.39	4.4	3.7
F1A	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	7.8	14:02	8.51	8.17	31.93	28.44	4.3	3.6
H1	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	14:03	8.87	8.19	32.99	28.04	3.4	3.8
H1	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	14:03	8.88	8.17	33.03	27.95	3.3	4
H1	20241007	Cloudy	Moderate	Mid-Ebb	Middle	4	14:02	8.9	8.21	32.94	27.94	3.6	4
H1	20241007	Cloudy	Moderate	Mid-Ebb	Middle	4	14:02	8.85	8.21	33.02	27.95	3.6	4.4
H1	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	7	14:01	8.86	8.19	33.01	28.03	3.9	4.4
H1	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	7	14:01	8.86	8.19	33.04	28.01	4.0	4.9
M1	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	14:40	7.92	8.3	33.82	28.19	3.1	2
M1	20241007	Cloudy	Moderate	Mid-Ebb	Surface	1	14:40	7.91	8.27	33.84	28.21	3.1	2.8
M1	20241007	Cloudy	Moderate	Mid-Ebb	Middle	4.85	14:39	7.91	8.26	33.75	28.15	3.4	2.8
M1	20241007	Cloudy	Moderate	Mid-Ebb	Middle	4.85	14:39	7.95	8.27	33.72	28.16	3.3	2.8

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
M1	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	8.7	14:38	8	8.28	33.75	28.15	3.5	2.8
M1	20241007	Cloudy	Moderate	Mid-Ebb	Bottom	8.7	14:38	7.91	8.27	33.75	28.22	3.7	3.1
B1	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	09:27	8.61	8.38	33.28	28.38	3.4	3.2
B1	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	09:27	8.64	8.34	33.29	28.32	3.2	4.2
B1	20241007	Cloudy	Moderate	Mid-Flood	Bottom	4.2	09:26	8.61	8.37	33.21	28.34	3.9	3.8
B1	20241007	Cloudy	Moderate	Mid-Flood	Bottom	4.2	09:26	8.68	8.35	33.28	28.38	3.7	4.1
B2	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	09:46	8.36	8.37	33.33	28.11	3.8	4.7
B2	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	09:46	8.42	8.36	33.33	28.07	3.9	4.4
B2	20241007	Cloudy	Moderate	Mid-Flood	Bottom	3.4	09:45	8.37	8.36	33.23	28.08	4.4	3.7
B2	20241007	Cloudy	Moderate	Mid-Flood	Bottom	3.4	09:45	8.37	8.4	33.25	28.19	4.3	3.7
B3	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	08:22	7.52	8.33	32.41	28.46	3.9	4.1
B3	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	08:22	7.55	8.37	32.42	28.42	4.0	5
B3	20241007	Cloudy	Moderate	Mid-Flood	Bottom	4	08:21	7.58	8.33	32.43	28.48	4.4	4
B3	20241007	Cloudy	Moderate	Mid-Flood	Bottom	4	08:21	7.55	8.35	32.47	28.38	4.4	4
B4	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	08:37	7.64	8.35	31.78	28.11	3.1	2.6
B4	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	08:37	7.57	8.35	31.78	28.1	3.0	2.3
B4	20241007	Cloudy	Moderate	Mid-Flood	Bottom	3.5	08:36	7.6	8.33	31.86	28.14	3.5	3.3
B4	20241007	Cloudy	Moderate	Mid-Flood	Bottom	3.5	08:36	7.57	8.32	31.86	28.11	3.6	3.1
C1A	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	09:02	8.79	8.4	32.67	28.44	4.0	3.5
C1A	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	09:02	8.84	8.4	32.75	28.47	4.0	3.8
C1A	20241007	Cloudy	Moderate	Mid-Flood	Middle	5.25	09:01	8.86	8.35	32.69	28.42	4.1	4.8
C1A	20241007	Cloudy	Moderate	Mid-Flood	Middle	5.25	09:01	8.86	8.39	32.64	28.46	4.2	4.8
C1A	20241007	Cloudy	Moderate	Mid-Flood	Bottom	9.5	09:00	8.85	8.38	32.67	28.49	4.4	3.2
C1A	20241007	Cloudy	Moderate	Mid-Flood	Bottom	9.5	09:00	8.81	8.38	32.65	28.36	4.4	4.8
C2A	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	08:04	7.65	8.2	32.03	28.48	4.7	3.5
C2A	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	08:04	7.68	8.23	31.98	28.45	4.6	3.4
C2A	20241007	Cloudy	Moderate	Mid-Flood	Middle	5.5	08:03	7.7	8.23	32.07	28.45	4.7	4.6
C2A	20241007	Cloudy	Moderate	Mid-Flood	Middle	5.5	08:03	7.68	8.22	32	28.46	4.7	5.2
C2A	20241007	Cloudy	Moderate	Mid-Flood	Bottom	10	08:02	7.69	8.2	32.02	28.47	4.9	5.1
C2A	20241007	Cloudy	Moderate	Mid-Flood	Bottom	10	08:02	7.73	8.24	31.96	28.42	4.8	4.3
CR1	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	08:24	8.94	8.23	33.18	28.13	3.3	6.3
CR1	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	08:24	8.95	8.2	33.14	28.15	3.2	3.5
CR1	20241007	Cloudy	Moderate	Mid-Flood	Middle	6.3	08:23	8.94	8.2	33.16	28.07	3.4	4
CR1	20241007	Cloudy	Moderate	Mid-Flood	Middle	6.3	08:23	8.98	8.2	33.11	28.12	3.4	4.2
CR1	20241007	Cloudy	Moderate	Mid-Flood	Bottom	11.6	08:22	8.96	8.21	33.22	28.06	3.8	4.3
CR1	20241007	Cloudy	Moderate	Mid-Flood	Bottom	11.6	08:22	9	8.19	33.1	28.15	3.8	3.4
CR2	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	08:43	7.99	8.19	31.85	28.4	3.4	4.8
CR2	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	08:43	8.01	8.22	31.89	28.37	3.5	5.4
CR2	20241007	Cloudy	Moderate	Mid-Flood	Middle	5.6	08:42	8	8.23	31.86	28.43	3.6	4.1
CR2	20241007	Cloudy	Moderate	Mid-Flood	Middle	5.6	08:42	7.96	8.22	31.87	28.43	3.7	4
CR2	20241007	Cloudy	Moderate	Mid-Flood	Bottom	10.2	08:41	7.99	8.2	31.86	28.43	3.9	3.8

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
CR2	20241007	Cloudy	Moderate	Mid-Flood	Bottom	10.2	08:41	7.95	8.21	31.93	28.45	4.0	4.2
F1A	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	09:10	8.46	8.23	32.72	28.42	3.9	4.1
F1A	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	09:10	8.49	8.2	32.68	28.44	4.0	4.5
F1A	20241007	Cloudy	Moderate	Mid-Flood	Middle	4.2	09:09	8.45	8.2	32.73	28.35	4.1	3.9
F1A	20241007	Cloudy	Moderate	Mid-Flood	Middle	4.2	09:09	8.45	8.23	32.75	28.44	4.2	3.7
F1A	20241007	Cloudy	Moderate	Mid-Flood	Bottom	7.4	09:08	8.48	8.23	32.64	28.34	4.4	4.3
F1A	20241007	Cloudy	Moderate	Mid-Flood	Bottom	7.4	09:08	8.52	8.22	32.73	28.35	4.5	3.7
H1	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	10:18	8.98	8.29	32.52	28.44	3.1	4.4
H1	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	10:18	8.99	8.32	32.43	28.38	3.2	4.7
H1	20241007	Cloudy	Moderate	Mid-Flood	Middle	4.15	10:17	8.96	8.31	32.46	28.4	3.3	2.8
H1	20241007	Cloudy	Moderate	Mid-Flood	Middle	4.15	10:17	8.96	8.3	32.51	28.43	3.2	4.2
H1	20241007	Cloudy	Moderate	Mid-Flood	Bottom	7.3	10:16	8.98	8.29	32.4	28.36	3.7	3.2
H1	20241007	Cloudy	Moderate	Mid-Flood	Bottom	7.3	10:16	8.96	8.3	32.44	28.39	3.7	4.2
M1	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	09:46	8.08	8.38	32.85	28.1	3.8	4.9
M1	20241007	Cloudy	Moderate	Mid-Flood	Surface	1	09:46	8.16	8.37	32.81	28.17	3.8	5.1
M1	20241007	Cloudy	Moderate	Mid-Flood	Middle	4.25	09:45	8.12	8.37	32.78	28.06	3.9	2.9
M1	20241007	Cloudy	Moderate	Mid-Flood	Middle	4.25	09:45	8.12	8.34	32.88	28.15	4.1	3.8
M1	20241007	Cloudy	Moderate	Mid-Flood	Bottom	7.5	09:44	8.13	8.37	32.77	28.07	4.3	3.5
M1	20241007	Cloudy	Moderate	Mid-Flood	Bottom	7.5	09:44	8.15	8.34	32.86	28.17	4.3	4.4
B1	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:33	7.89	8.34	33.22	27.35	3.0	5.7
B1	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:33	7.82	8.35	33.22	27.33	2.9	6
B1	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	15:32	7.94	8.33	33.05	27.32	3.4	7.1
B1	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	15:32	7.91	8.32	33.09	27.38	3.4	6.9
B2	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:51	8.27	8.27	32.57	27.16	2.5	7.1
B2	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:51	8.21	8.28	32.62	27.14	2.6	7.4
B2	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	15:50	8.36	8.27	32.56	27.16	3.0	5.5
B2	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	15:50	8.31	8.24	32.61	27.12	3.1	7.1
B3	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:26	8.63	8.34	32.69	27.43	3.0	9.5
B3	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:26	8.57	8.31	32.66	27.45	3.1	7.7
B3	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	4.2	15:25	8.64	8.34	32.56	27.37	3.6	4.6
B3	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	4.2	15:25	8.64	8.31	32.54	27.42	3.6	6.4
B4	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:41	8.04	8.4	31.69	27.38	2.7	6.6
B4	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:41	8.02	8.41	31.77	27.41	2.8	7.2
B4	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	3.4	15:40	7.98	8.38	31.68	27.41	3.3	7
B4	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	3.4	15:40	8	8.4	31.59	27.39	3.4	7.6
C1A	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:08	8.7	8.27	33.1	27.2	3.6	5.6
C1A	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:08	8.77	8.27	33.02	27.2	3.8	6.9
C1A	20241009	Cloudy	Moderate	Mid-Ebb	Middle	5	15:07	8.69	8.3	33.13	27.26	3.9	5
C1A	20241009	Cloudy	Moderate	Mid-Ebb	Middle	5	15:07	8.64	8.26	33	27.23	3.8	10.4
C1A	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	9	15:06	8.76	8.29	33.09	27.24	4.0	8.7
C1A	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	9	15:06	8.7	8.26	33.11	27.26	3.9	10.5

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
C2A	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:08	7.94	8.37	32.39	27.49	3.2	7.9
C2A	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	15:08	7.91	8.34	32.51	27.54	3.2	7.4
C2A	20241009	Cloudy	Moderate	Mid-Ebb	Middle	5.9	15:07	7.87	8.37	32.39	27.48	3.5	4.6
C2A	20241009	Cloudy	Moderate	Mid-Ebb	Middle	5.9	15:07	7.84	8.38	32.44	27.49	3.4	4.3
C2A	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	10.8	15:06	7.92	8.35	32.33	27.5	3.7	7
C2A	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	10.8	15:06	7.91	8.35	32.5	27.55	3.8	7.3
CR1	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	16:42	8.18	8.2	32.59	27.15	3.2	7.6
CR1	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	16:42	8.15	8.21	32.76	27.18	3.2	7.1
CR1	20241009	Cloudy	Moderate	Mid-Ebb	Middle	6.5	16:41	8.19	8.19	32.71	27.2	3.2	7.9
CR1	20241009	Cloudy	Moderate	Mid-Ebb	Middle	6.5	16:41	8.07	8.2	32.72	27.22	3.3	9.5
CR1	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	12	16:40	8.08	8.22	32.65	27.21	3.7	7.5
CR1	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	12	16:40	8.03	8.19	32.66	27.18	3.7	9.7
CR2	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	16:29	8.31	8.21	32.45	27.11	2.3	8.1
CR2	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	16:29	8.41	8.18	32.25	27.08	2.3	8.2
CR2	20241009	Cloudy	Moderate	Mid-Ebb	Middle	5.85	16:28	8.39	8.18	32.32	27.15	2.4	8.3
CR2	20241009	Cloudy	Moderate	Mid-Ebb	Middle	5.85	16:28	8.43	8.2	32.39	27.13	2.5	7.3
CR2	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	10.7	16:27	8.36	8.17	32.25	27.09	2.8	10.8
CR2	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	10.7	16:27	8.43	8.21	32.31	27.12	2.9	10.6
F1A	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	16:14	8.53	8.28	33.32	27.36	2.3	5.6
F1A	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	16:14	8.61	8.28	33.29	27.38	2.3	6.2
F1A	20241009	Cloudy	Moderate	Mid-Ebb	Middle	4.6	16:13	8.62	8.25	33.28	27.39	2.7	8.5
F1A	20241009	Cloudy	Moderate	Mid-Ebb	Middle	4.6	16:13	8.51	8.27	33.39	27.36	2.7	9.3
F1A	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	8.2	16:12	8.59	8.24	33.3	27.41	2.9	8
F1A	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	8.2	16:12	8.69	8.26	33.2	27.39	2.9	7.3
H1	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	16:13	8.41	8.37	31.99	27.56	2.3	7.3
H1	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	16:13	8.27	8.36	31.83	27.58	2.3	6.7
H1	20241009	Cloudy	Moderate	Mid-Ebb	Middle	3.9	16:12	8.31	8.35	32.01	27.54	2.6	6
H1	20241009	Cloudy	Moderate	Mid-Ebb	Middle	3.9	16:12	8.35	8.34	31.96	27.58	2.5	6
H1	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	16:11	8.41	8.34	31.86	27.58	2.8	4
H1	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	16:11	8.29	8.37	31.86	27.53	2.9	5.1
M1	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	16:50	8.67	8.37	31.42	27.47	2.2	7.1
M1	20241009	Cloudy	Moderate	Mid-Ebb	Surface	1	16:50	8.67	8.37	31.49	27.46	2.1	7.1
M1	20241009	Cloudy	Moderate	Mid-Ebb	Middle	4.9	16:49	8.57	8.37	31.32	27.49	2.3	6.5
M1	20241009	Cloudy	Moderate	Mid-Ebb	Middle	4.9	16:49	8.56	8.37	31.33	27.46	2.3	8.2
M1	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	8.8	16:48	8.63	8.38	31.33	27.44	2.6	7.9
M1	20241009	Cloudy	Moderate	Mid-Ebb	Bottom	8.8	16:48	8.57	8.39	31.54	27.5	2.6	13.8
B1	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:51	8.32	8.24	32.32	27.32	2.7	4.3
B1	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:51	8.17	8.24	32.19	27.35	2.8	5.3
B1	20241009	Cloudy	Moderate	Mid-Flood	Bottom	4.6	10:50	8.27	8.23	32.2	27.34	3.3	6.4
B1	20241009	Cloudy	Moderate	Mid-Flood	Bottom	4.6	10:50	8.2	8.25	32.16	27.36	3.2	6.2
B2	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	11:10	9.1	8.14	32.01	27.53	3.4	7.6

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
B2	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	11:10	9.04	8.15	32	27.55	3.4	6
B2	20241009	Cloudy	Moderate	Mid-Flood	Bottom	3.4	11:09	9.04	8.17	32.22	27.56	4.1	7.9
B2	20241009	Cloudy	Moderate	Mid-Flood	Bottom	3.4	11:09	9.1	8.17	32.04	27.52	4.0	8.1
B3	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:05	9.01	8.26	32.74	27.19	3.0	7.6
B3	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:05	9.12	8.3	32.73	27.22	3.1	7.5
B3	20241009	Cloudy	Moderate	Mid-Flood	Bottom	3.4	10:04	9.07	8.29	32.73	27.24	3.6	7.3
B3	20241009	Cloudy	Moderate	Mid-Flood	Bottom	3.4	10:04	9.18	8.27	32.82	27.19	3.5	8.7
B4	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:20	9.16	8.14	31.37	27.56	2.5	4.8
B4	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:20	9.16	8.16	31.47	27.57	2.5	5.1
B4	20241009	Cloudy	Moderate	Mid-Flood	Bottom	4.3	10:19	9.04	8.14	31.5	27.54	3.1	6.4
B4	20241009	Cloudy	Moderate	Mid-Flood	Bottom	4.3	10:19	9.05	8.15	31.48	27.54	2.9	10.8
C1A	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:26	9.07	8.25	31.64	27.27	3.7	5
C1A	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:26	9.04	8.27	31.56	27.32	3.7	5.3
C1A	20241009	Cloudy	Moderate	Mid-Flood	Middle	6	10:25	9.12	8.25	31.76	27.29	3.9	6.9
C1A	20241009	Cloudy	Moderate	Mid-Flood	Middle	6	10:25	8.98	8.24	31.55	27.32	4.2	7.2
C1A	20241009	Cloudy	Moderate	Mid-Flood	Bottom	11	10:24	9.05	8.25	31.68	27.31	4.2	7.1
C1A	20241009	Cloudy	Moderate	Mid-Flood	Bottom	11	10:24	9.08	8.27	31.6	27.34	4.2	7.5
C2A	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	09:47	8.37	8.19	33.02	27.37	4.6	5.2
C2A	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	09:47	8.37	8.21	32.99	27.41	4.8	5.8
C2A	20241009	Cloudy	Moderate	Mid-Flood	Middle	5.75	09:46	8.4	8.17	32.92	27.38	4.7	5
C2A	20241009	Cloudy	Moderate	Mid-Flood	Middle	5.75	09:46	8.24	8.18	33.12	27.37	4.8	7.6
C2A	20241009	Cloudy	Moderate	Mid-Flood	Bottom	10.5	09:45	8.28	8.17	33.13	27.34	4.8	6.1
C2A	20241009	Cloudy	Moderate	Mid-Flood	Bottom	10.5	09:45	8.24	8.19	32.95	27.39	4.8	5.8
CR1	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	09:51	9.11	8.17	32.03	27.22	2.4	7.5
CR1	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	09:51	9.16	8.17	32.02	27.21	2.5	7
CR1	20241009	Cloudy	Moderate	Mid-Flood	Middle	6.5	09:50	9.13	8.15	32.09	27.18	2.7	6.1
CR1	20241009	Cloudy	Moderate	Mid-Flood	Middle	6.5	09:50	9.12	8.16	31.98	27.16	2.6	6.2
CR1	20241009	Cloudy	Moderate	Mid-Flood	Bottom	12	09:49	9.16	8.14	32.06	27.16	3.1	6.4
CR1	20241009	Cloudy	Moderate	Mid-Flood	Bottom	12	09:49	9.18	8.15	31.97	27.22	2.9	6.6
CR2	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:07	8.56	8.36	31.93	27.37	3.2	7.5
CR2	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:07	8.62	8.39	31.95	27.34	3.3	6.6
CR2	20241009	Cloudy	Moderate	Mid-Flood	Middle	5.35	10:06	8.66	8.38	31.86	27.35	3.5	6.7
CR2	20241009	Cloudy	Moderate	Mid-Flood	Middle	5.35	10:06	8.64	8.35	32.04	27.38	3.5	7
CR2	20241009	Cloudy	Moderate	Mid-Flood	Bottom	9.7	10:05	8.64	8.36	32.09	27.39	3.7	7.2
CR2	20241009	Cloudy	Moderate	Mid-Flood	Bottom	9.7	10:05	8.63	8.37	31.86	27.38	3.9	6.2
F1A	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:53	8.27	8.18	33.1	27.24	2.3	8.6
F1A	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	10:53	8.22	8.22	33.09	27.27	2.4	6.8
F1A	20241009	Cloudy	Moderate	Mid-Flood	Middle	4	10:52	8.28	8.19	33.03	27.3	2.6	8
F1A	20241009	Cloudy	Moderate	Mid-Flood	Middle	4	10:52	8.12	8.22	33.04	27.29	2.7	6.5
F1A	20241009	Cloudy	Moderate	Mid-Flood	Bottom	7	10:51	8.14	8.19	33.09	27.25	3.0	8
F1A	20241009	Cloudy	Moderate	Mid-Flood	Bottom	7	10:51	8.26	8.18	33.1	27.25	2.9	6.4

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
H1	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	11:39	7.74	8.34	32.98	27.15	2.7	7.4
H1	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	11:39	7.7	8.33	32.9	27.19	2.8	6.4
H1	20241009	Cloudy	Moderate	Mid-Flood	Middle	4.2	11:38	7.75	8.3	33.01	27.18	3.0	5.5
H1	20241009	Cloudy	Moderate	Mid-Flood	Middle	4.2	11:38	7.72	8.32	32.83	27.21	3.0	6.4
H1	20241009	Cloudy	Moderate	Mid-Flood	Bottom	7.4	11:37	7.81	8.32	32.89	27.21	3.4	6.9
H1	20241009	Cloudy	Moderate	Mid-Flood	Bottom	7.4	11:37	7.7	8.32	32.99	27.2	3.4	5.4
M1	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	11:29	7.61	8.16	32.9	27.45	3.5	6.5
M1	20241009	Cloudy	Moderate	Mid-Flood	Surface	1	11:29	7.59	8.19	32.83	27.4	3.6	7.7
M1	20241009	Cloudy	Moderate	Mid-Flood	Middle	3.95	11:28	7.55	8.18	32.84	27.45	3.7	7.9
M1	20241009	Cloudy	Moderate	Mid-Flood	Middle	3.95	11:28	7.71	8.16	32.7	27.43	3.8	8
M1	20241009	Cloudy	Moderate	Mid-Flood	Bottom	6.9	11:27	7.56	8.19	32.74	27.45	4.0	5.4
M1	20241009	Cloudy	Moderate	Mid-Flood	Bottom	6.9	11:27	7.69	8.2	32.68	27.43	4.1	4.8
B1	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:27	8.65	8.29	31.25	27.86	2.5	13.2
B1	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:27	8.68	8.33	31.31	27.83	2.4	12.5
B1	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:26	8.62	8.27	31.29	27.82	2.8	13.5
B1	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:26	8.58	8.31	31.33	27.86	2.8	13.6
B2	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:45	8.04	8.23	32.25	27.99	2.8	14.3
B2	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:45	8.06	8.21	32.15	27.97	2.9	12.7
B2	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	4.9	08:44	8.03	8.21	32.26	27.94	3.5	14.5
B2	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	4.9	08:44	8.09	8.26	32.29	27.93	3.5	13.5
B3	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:24	7.54	8.15	32.58	28.07	2.8	12.4
B3	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:24	7.54	8.14	32.64	28.07	2.7	11.6
B3	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	08:23	7.61	8.11	32.74	28	3.1	12.8
B3	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	08:23	7.56	8.13	32.64	28.11	3.3	13.4
B4	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:39	8.21	8.32	32.54	28.07	3.3	12.8
B4	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:39	8.16	8.26	32.64	28.04	3.3	13.4
B4	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	3.7	08:38	8.15	8.26	32.63	28.04	4.0	4.1
B4	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	3.7	08:38	8.26	8.28	32.53	28.05	3.9	4.7
C1A	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:02	7.42	8.15	32.42	28.13	4.1	14.5
C1A	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:02	7.41	8.14	32.29	28.1	4.3	14.3
C1A	20241011	Cloudy	Moderate	Mid-Ebb	Middle	5.2	08:01	7.41	8.14	32.35	28.18	4.4	13.2
C1A	20241011	Cloudy	Moderate	Mid-Ebb	Middle	5.2	08:01	7.44	8.1	32.31	28.1	4.4	13.7
C1A	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	9.4	08:00	7.43	8.1	32.38	28.08	4.3	14.4
C1A	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	9.4	08:00	7.35	8.13	32.32	28.15	4.3	12.8
C2A	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:06	8.45	8.18	32.43	28.12	3.4	13.6
C2A	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	08:06	8.56	8.18	32.4	28.09	3.3	12.8
C2A	20241011	Cloudy	Moderate	Mid-Ebb	Middle	6.1	08:05	8.48	8.18	32.43	28.07	3.4	11.7
C2A	20241011	Cloudy	Moderate	Mid-Ebb	Middle	6.1	08:05	8.49	8.16	32.45	28.09	3.5	13.1
C2A	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	11.2	08:04	8.47	8.16	32.4	28.05	3.6	13.1
C2A	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	11.2	08:04	8.55	8.16	32.48	28.1	3.5	12.8
CR1	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	09:36	7.46	8.15	31.64	28.09	3.3	2.6

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
CR1	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	09:36	7.42	8.13	31.71	28.14	3.4	3.2
CR1	20241011	Cloudy	Moderate	Mid-Ebb	Middle	6.8	09:35	7.37	8.11	31.78	28.09	3.4	5.3
CR1	20241011	Cloudy	Moderate	Mid-Ebb	Middle	6.8	09:35	7.42	8.12	31.77	28.17	3.5	4.4
CR1	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	12.6	09:34	7.37	8.1	31.71	28.1	3.7	14.1
CR1	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	12.6	09:34	7.39	8.12	31.66	28.16	3.9	13.2
CR2	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	09:23	8.62	8.33	31.95	27.88	2.6	4.8
CR2	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	09:23	8.57	8.34	31.92	27.89	2.6	5.6
CR2	20241011	Cloudy	Moderate	Mid-Ebb	Middle	5.45	09:22	8.6	8.29	32.03	27.86	2.7	6.3
CR2	20241011	Cloudy	Moderate	Mid-Ebb	Middle	5.45	09:22	8.58	8.33	31.97	27.85	2.7	6.2
CR2	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	9.9	09:21	8.55	8.31	32.01	27.82	3.1	12.8
CR2	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	9.9	09:21	8.57	8.34	31.96	27.84	3.1	13.5
F1A	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	09:12	8.26	8.31	31.3	27.73	2.7	12.2
F1A	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	09:12	8.3	8.36	31.3	27.84	2.7	13.2
F1A	20241011	Cloudy	Moderate	Mid-Ebb	Middle	4	09:11	8.36	8.33	31.18	27.81	2.9	14.2
F1A	20241011	Cloudy	Moderate	Mid-Ebb	Middle	4	09:11	8.29	8.35	31.17	27.8	2.9	12.3
F1A	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	7	09:10	8.25	8.34	31.3	27.78	3.2	13.4
F1A	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	7	09:10	8.29	8.34	31.22	27.82	3.2	12.1
H1	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	09:07	8.33	8.23	31.97	27.85	2.8	13.2
H1	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	09:07	8.44	8.2	31.86	27.82	2.7	13.6
H1	20241011	Cloudy	Moderate	Mid-Ebb	Middle	3.9	09:06	8.4	8.21	31.84	27.8	2.9	13.7
H1	20241011	Cloudy	Moderate	Mid-Ebb	Middle	3.9	09:06	8.36	8.23	31.84	27.75	3.0	13.4
H1	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	09:05	8.33	8.18	31.88	27.78	3.2	14.1
H1	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	09:05	8.32	8.19	31.9	27.86	3.2	13.1
M1	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	09:48	8.84	8.19	31.29	28.08	2.5	1.7
M1	20241011	Cloudy	Moderate	Mid-Ebb	Surface	1	09:48	8.82	8.17	31.23	28.13	2.5	4.8
M1	20241011	Cloudy	Moderate	Mid-Ebb	Middle	4.5	09:47	8.82	8.21	31.35	28.13	2.7	5.1
M1	20241011	Cloudy	Moderate	Mid-Ebb	Middle	4.5	09:47	8.8	8.22	31.19	28.14	2.7	2.8
M1	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	8	09:46	8.77	8.18	31.35	28.07	3.1	4.8
M1	20241011	Cloudy	Moderate	Mid-Ebb	Bottom	8	09:46	8.77	8.21	31.25	28.13	3.0	13.1
B1	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	15:57	7.83	8.24	32.4	27.77	2.6	12.3
B1	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	15:57	7.89	8.27	32.41	27.8	2.6	12.8
B1	20241011	Cloudy	Moderate	Mid-Flood	Bottom	4.4	15:56	7.87	8.3	32.32	27.82	3.2	11.4
B1	20241011	Cloudy	Moderate	Mid-Flood	Bottom	4.4	15:56	7.9	8.25	32.41	27.85	3.2	13.3
B2	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	16:15	7.66	8.31	31.2	27.84	3.0	12.7
B2	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	16:15	7.68	8.29	31.15	27.82	2.9	13.1
B2	20241011	Cloudy	Moderate	Mid-Flood	Bottom	4.1	16:14	7.63	8.32	31.24	27.84	3.4	11.2
B2	20241011	Cloudy	Moderate	Mid-Flood	Bottom	4.1	16:14	7.65	8.33	31.23	27.78	3.4	12.6
B3	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	15:49	7.92	8.29	31.93	28.05	3.8	12
B3	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	15:49	7.92	8.31	31.95	28.07	3.9	13.2
В3	20241011	Cloudy	Moderate	Mid-Flood	Bottom	3.6	15:48	7.99	8.31	31.94	28.06	4.4	13
B3	20241011	Cloudy	Moderate	Mid-Flood	Bottom	3.6	15:48	7.97	8.25	31.89	28.08	4.3	12

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
B4	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	16:04	9.06	8.27	31.21	28.08	3.1	11.3
B4	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	16:04	9.07	8.28	31.31	28.06	3.1	12.5
B4	20241011	Cloudy	Moderate	Mid-Flood	Bottom	4.1	16:03	9.15	8.24	31.37	28.07	3.7	12.4
B4	20241011	Cloudy	Moderate	Mid-Flood	Bottom	4.1	16:03	9.12	8.24	31.26	28.07	3.8	13.5
C1A	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	15:32	7.96	8.07	32.97	27.9	3.4	13.6
C1A	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	15:32	7.94	8.13	33.06	27.83	3.5	13.9
C1A	20241011	Cloudy	Moderate	Mid-Flood	Middle	5.9	15:31	7.86	8.12	33.02	27.83	3.6	13.3
C1A	20241011	Cloudy	Moderate	Mid-Flood	Middle	5.9	15:31	7.89	8.08	33.04	27.84	3.6	12.9
C1A	20241011	Cloudy	Moderate	Mid-Flood	Bottom	10.8	15:30	7.91	8.11	32.92	27.84	4.0	14.4
C1A	20241011	Cloudy	Moderate	Mid-Flood	Bottom	10.8	15:30	7.88	8.13	32.9	27.84	3.9	15
C2A	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	15:31	7.37	8.3	30.94	27.85	4.4	14.8
C2A	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	15:31	7.35	8.26	30.92	27.83	4.4	14.3
C2A	20241011	Cloudy	Moderate	Mid-Flood	Middle	6	15:30	7.39	8.26	31.07	27.85	4.5	12.9
C2A	20241011	Cloudy	Moderate	Mid-Flood	Middle	6	15:30	7.41	8.31	31.04	27.92	4.6	12.8
C2A	20241011	Cloudy	Moderate	Mid-Flood	Bottom	11	15:29	7.37	8.26	31.03	27.9	4.7	13.5
C2A	20241011	Cloudy	Moderate	Mid-Flood	Bottom	11	15:29	7.35	8.26	31.01	27.87	4.7	15.7
CR1	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	17:06	7.87	8.25	31.99	28.04	3.8	12.4
CR1	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	17:06	7.91	8.25	31.97	28.02	3.7	13.6
CR1	20241011	Cloudy	Moderate	Mid-Flood	Middle	6.2	17:05	7.87	8.24	32.09	27.94	4.0	12.3
CR1	20241011	Cloudy	Moderate	Mid-Flood	Middle	6.2	17:05	7.94	8.26	31.95	27.98	3.9	12.7
CR1	20241011	Cloudy	Moderate	Mid-Flood	Bottom	11.4	17:04	7.84	8.21	31.97	28	4.2	13.6
CR1	20241011	Cloudy	Moderate	Mid-Flood	Bottom	11.4	17:04	7.91	8.27	32.06	28	4.3	12.4
CR2	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	16:53	8.25	8.25	32.1	28.26	3.6	11.7
CR2	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	16:53	8.18	8.26	32.11	28.26	3.5	12.6
CR2	20241011	Cloudy	Moderate	Mid-Flood	Middle	5.8	16:52	8.24	8.28	32.08	28.19	3.8	11.7
CR2	20241011	Cloudy	Moderate	Mid-Flood	Middle	5.8	16:52	8.14	8.28	32.1	28.27	3.7	12.8
CR2	20241011	Cloudy	Moderate	Mid-Flood	Bottom	10.6	16:51	8.2	8.31	32	28.26	4.1	11.3
CR2	20241011	Cloudy	Moderate	Mid-Flood	Bottom	10.6	16:51	8.17	8.25	32.09	28.2	4.2	12.9
F1A	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	16:37	8.15	8.29	32.24	27.98	3.2	14
F1A	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	16:37	8.21	8.31	32.18	28.06	3.2	13.8
F1A	20241011	Cloudy	Moderate	Mid-Flood	Middle	4.15	16:36	8.19	8.3	32.15	28.06	3.3	12.5
F1A	20241011	Cloudy	Moderate	Mid-Flood	Middle	4.15	16:36	8.21	8.34	32.21	28.07	3.5	14.7
F1A	20241011	Cloudy	Moderate	Mid-Flood	Bottom	7.3	16:35	8.17	8.34	32.17	28.06	3.8	13.3
F1A	20241011	Cloudy	Moderate	Mid-Flood	Bottom	7.3	16:35	8.16	8.3	32.25	28.03	3.8	15
H1	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	16:37	8.17	8.13	31.94	27.79	2.9	12.9
H1	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	16:37	8.17	8.17	31.91	27.75	2.9	13.4
H1	20241011	Cloudy	Moderate	Mid-Flood	Middle	3.75	16:36	8.2	8.18	31.88	27.79	3.0	12.8
H1	20241011	Cloudy	Moderate	Mid-Flood	Middle	3.75	16:36	8.21	8.19	31.92	27.8	3.0	12
H1	20241011	Cloudy	Moderate	Mid-Flood	Bottom	6.5	16:35	8.21	8.19	31.95	27.81	3.3	14.3
H1	20241011	Cloudy	Moderate	Mid-Flood	Bottom	6.5	16:35	8.23	8.18	31.94	27.8	3.4	14
M1	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	17:13	7.94	8.17	31.29	27.73	3.3	11.9

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
M1	20241011	Cloudy	Moderate	Mid-Flood	Surface	1	17:13	7.94	8.15	31.38	27.72	3.3	12.2
M1	20241011	Cloudy	Moderate	Mid-Flood	Middle	3.95	17:12	7.96	8.17	31.41	27.79	3.6	12.2
M1	20241011	Cloudy	Moderate	Mid-Flood	Middle	3.95	17:12	7.89	8.14	31.4	27.74	3.5	12.5
M1	20241011	Cloudy	Moderate	Mid-Flood	Bottom	6.9	17:11	7.9	8.18	31.42	27.74	4.0	12.9
M1	20241011	Cloudy	Moderate	Mid-Flood	Bottom	6.9	17:11	7.97	8.15	31.3	27.74	3.9	12.9
B1	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:35	7.97	8.14	32.14	28.17	2.6	3.6
B1	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:35	8.08	8.19	32.28	28.11	2.6	4.2
B1	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	3.9	08:34	8.01	8.14	32.25	28.03	3.0	3.6
B1	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	3.9	08:34	8.05	8.19	32.3	28.13	3.2	3.7
B2	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:53	8.33	8.11	32.48	28.03	2.4	4.2
B2	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:53	8.36	8.06	32.52	27.91	2.2	3.8
B2	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	4.7	08:52	8.37	8.11	32.6	27.91	2.5	4.2
B2	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	4.7	08:52	8.24	8.08	32.44	28.06	2.6	3.7
B3	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:36	7.33	8.34	31.71	27.84	2.7	3.6
B3	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:36	7.4	8.37	31.7	27.8	2.7	4.5
B3	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	4.3	08:35	7.36	8.39	31.8	27.73	3.1	3.4
B3	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	4.3	08:35	7.39	8.39	31.85	27.78	3.1	3.6
B4	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:50	7.86	8.26	32.97	28.18	2.8	2.9
B4	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:50	7.85	8.28	32.73	28.05	2.8	4.8
B4	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	3.1	08:49	7.92	8.26	32.94	28.06	3.4	5.1
B4	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	3.1	08:49	7.91	8.3	32.95	28.06	3.3	3.6
C1A	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:10	7.77	8.12	31.98	28.15	3.9	4.2
C1A	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:10	7.63	8.11	31.94	28.14	3.9	4.5
C1A	20241014	Cloudy	Moderate	Mid-Ebb	Middle	5.25	08:09	7.63	8.1	32	28.25	4.0	5.3
C1A	20241014	Cloudy	Moderate	Mid-Ebb	Middle	5.25	08:09	7.67	8.09	32.03	28.09	4.0	4.7
C1A	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	9.5	08:08	7.65	8.08	31.97	28.11	4.0	4.8
C1A	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	9.5	08:08	7.7	8.08	32.12	28.12	4.0	4.2
C2A	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:17	8.63	8.36	31.48	27.94	2.8	5.3
C2A	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	08:17	8.62	8.4	31.53	27.95	2.8	5.3
C2A	20241014	Cloudy	Moderate	Mid-Ebb	Middle	5.75	08:16	8.67	8.41	31.3	27.9	3.0	5.3
C2A	20241014	Cloudy	Moderate	Mid-Ebb	Middle	5.75	08:16	8.69	8.39	31.46	27.95	3.1	5.5
C2A	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	10.5	08:15	8.66	8.37	31.45	27.97	3.3	4.5
C2A	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	10.5	08:15	8.56	8.41	31.53	28	3.3	5.6
CR1	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	09:44	7.32	8.18	31.6	27.96	2.3	3.8
CR1	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	09:44	7.4	8.21	31.6	27.82	2.3	5.4
CR1	20241014	Cloudy	Moderate	Mid-Ebb	Middle	6.5	09:43	7.4	8.21	31.61	27.96	2.5	4.2
CR1	20241014	Cloudy	Moderate	Mid-Ebb	Middle	6.5	09:43	7.34	8.18	31.72	27.85	2.5	4.1
CR1	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	12	09:42	7.28	8.19	31.71	27.88	2.9	5.1
CR1	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	12	09:42	7.33	8.22	31.61	27.94	2.8	4.2
CR2	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	09:31	8.02	8.27	31.86	28.2	2.3	4.5
CR2	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	09:31	8.03	8.26	31.7	28.26	2.3	4.8

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
CR2	20241014	Cloudy	Moderate	Mid-Ebb	Middle	5.7	09:30	7.97	8.26	31.84	28.24	2.2	4.5
CR2	20241014	Cloudy	Moderate	Mid-Ebb	Middle	5.7	09:30	8.01	8.27	31.74	28.32	2.1	4.3
CR2	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	10.4	09:29	8.05	8.27	31.69	28.33	2.4	4.1
CR2	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	10.4	09:29	7.97	8.27	31.83	28.21	2.3	4.5
F1A	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	09:24	7.21	8.35	31.26	28.17	3.0	4.9
F1A	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	09:24	7.28	8.35	31.21	28.08	3.0	5.8
F1A	20241014	Cloudy	Moderate	Mid-Ebb	Middle	4.25	09:23	7.19	8.34	31.23	28.07	3.1	4.3
F1A	20241014	Cloudy	Moderate	Mid-Ebb	Middle	4.25	09:23	7.17	8.36	31.29	28.15	3.3	4.8
F1A	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	7.5	09:22	7.26	8.32	31.22	28.04	3.5	4.8
F1A	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	7.5	09:22	7.25	8.34	31.17	28.13	3.6	5
H1	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	09:14	8.17	8.35	31.67	28.07	2.3	3.9
H1	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	09:14	8.06	8.33	31.58	27.97	2.5	3.8
H1	20241014	Cloudy	Moderate	Mid-Ebb	Middle	4.45	09:13	8.13	8.34	31.73	28.09	2.4	4
H1	20241014	Cloudy	Moderate	Mid-Ebb	Middle	4.45	09:13	8.15	8.32	31.51	28.05	2.3	4
H1	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	7.9	09:12	8.12	8.33	31.6	28.04	2.2	3.7
H1	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	7.9	09:12	8.12	8.32	31.66	27.94	2.2	3.8
M1	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	10:00	7.96	8.14	31.16	27.94	2.3	4
M1	20241014	Cloudy	Moderate	Mid-Ebb	Surface	1	10:00	8.04	8.13	31.15	28	2.3	4.4
M1	20241014	Cloudy	Moderate	Mid-Ebb	Middle	4.95	09:59	7.99	8.13	31.17	28	2.4	4.1
M1	20241014	Cloudy	Moderate	Mid-Ebb	Middle	4.95	09:59	7.99	8.12	31.33	28.02	2.5	5.1
M1	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	8.9	09:58	7.97	8.13	31.3	27.93	2.9	3.8
M1	20241014	Cloudy	Moderate	Mid-Ebb	Bottom	8.9	09:58	7.97	8.17	31.16	27.92	2.9	4.2
B1	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:33	7.2	8.23	31.09	28.07	3.5	3.2
B1	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:33	7.3	8.19	31.12	28.05	3.4	4.2
B1	20241014	Cloudy	Moderate	Mid-Flood	Bottom	4.6	15:32	7.35	8.21	31.27	28.07	3.9	3.4
B1	20241014	Cloudy	Moderate	Mid-Flood	Bottom	4.6	15:32	7.27	8.2	31.18	28.15	3.9	3.8
B2	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:53	8.49	8.13	31.81	28.18	3.3	4.2
B2	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:53	8.6	8.12	31.79	28.15	3.3	3.3
B2	20241014	Cloudy	Moderate	Mid-Flood	Bottom	4	15:52	8.49	8.12	31.78	28.19	3.9	4.1
B2	20241014	Cloudy	Moderate	Mid-Flood	Bottom	4	15:52	8.64	8.12	31.79	28.15	3.8	3.7
B3	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:27	7.97	8.22	32.58	28.06	3.0	4
B3	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:27	7.84	8.23	32.73	28.09	2.9	4
B3	20241014	Cloudy	Moderate	Mid-Flood	Bottom	3.5	15:26	7.96	8.22	32.55	28.12	3.6	4.4
В3	20241014	Cloudy	Moderate	Mid-Flood	Bottom	3.5	15:26	7.96	8.24	32.69	28.02	3.5	3.9
B4	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:42	7.56	8.06	31.21	28.47	2.9	3.9
B4	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:42	7.54	8.06	31.17	28.5	3.0	3.6
B4	20241014	Cloudy	Moderate	Mid-Flood	Bottom	3.7	15:41	7.65	8.08	31.24	28.53	3.3	3.8
B4	20241014	Cloudy	Moderate	Mid-Flood	Bottom	3.7	15:41	7.64	8.05	31.29	28.47	3.4	4.3
C1A	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:10	8.25	8.22	31.34	28.08	3.1	2.5
C1A	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:10	8.26	8.22	31.37	28.03	3.1	3.5
C1A	20241014	Cloudy	Moderate	Mid-Flood	Middle	5.9	15:09	8.19	8.25	31.39	27.98	3.3	2.9

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
C1A	20241014	Cloudy	Moderate	Mid-Flood	Middle	5.9	15:09	8.33	8.25	31.45	28.06	3.3	3.8
C1A	20241014	Cloudy	Moderate	Mid-Flood	Bottom	10.8	15:08	8.27	8.24	31.24	28.01	3.7	3.8
C1A	20241014	Cloudy	Moderate	Mid-Flood	Bottom	10.8	15:08	8.32	8.25	31.25	28.06	3.7	3
C2A	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:09	8.18	8.24	31.44	27.95	4.0	4.1
C2A	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	15:09	8.21	8.23	31.31	27.99	4.0	4.1
C2A	20241014	Cloudy	Moderate	Mid-Flood	Middle	5.65	15:08	8.14	8.21	31.48	27.94	4.2	4.3
C2A	20241014	Cloudy	Moderate	Mid-Flood	Middle	5.65	15:08	8.16	8.24	31.49	27.99	4.1	4.4
C2A	20241014	Cloudy	Moderate	Mid-Flood	Bottom	10.3	15:07	8.16	8.22	31.43	27.94	4.2	4.6
C2A	20241014	Cloudy	Moderate	Mid-Flood	Bottom	10.3	15:07	8.15	8.23	31.49	27.98	4.3	4.6
CR1	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	16:44	8.31	8.12	31.65	28.35	2.9	3.2
CR1	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	16:44	8.34	8.1	31.83	28.3	2.9	4.1
CR1	20241014	Cloudy	Moderate	Mid-Flood	Middle	6.25	16:43	8.33	8.12	31.72	28.32	3.0	2.6
CR1	20241014	Cloudy	Moderate	Mid-Flood	Middle	6.25	16:43	8.37	8.1	31.77	28.25	3.1	2.7
CR1	20241014	Cloudy	Moderate	Mid-Flood	Bottom	11.5	16:42	8.31	8.13	31.76	28.34	3.5	3.6
CR1	20241014	Cloudy	Moderate	Mid-Flood	Bottom	11.5	16:42	8.36	8.11	31.7	28.25	3.4	2.7
CR2	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	16:31	8.24	8.16	31.83	27.99	3.2	4.1
CR2	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	16:31	8.25	8.18	31.85	27.97	3.1	4
CR2	20241014	Cloudy	Moderate	Mid-Flood	Middle	5.45	16:30	8.28	8.15	31.78	28	3.3	4.3
CR2	20241014	Cloudy	Moderate	Mid-Flood	Middle	5.45	16:30	8.15	8.18	31.97	27.98	3.3	3.2
CR2	20241014	Cloudy	Moderate	Mid-Flood	Bottom	9.9	16:29	8.22	8.17	31.99	28.01	3.6	4.5
CR2	20241014	Cloudy	Moderate	Mid-Flood	Bottom	9.9	16:29	8.26	8.17	31.96	28.02	3.6	4
F1A	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	16:15	8.44	8.31	32.38	28.04	2.2	4.4
F1A	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	16:15	8.49	8.3	32.28	28.07	2.1	4.1
F1A	20241014	Cloudy	Moderate	Mid-Flood	Middle	3.95	16:14	8.41	8.3	32.36	28.12	2.3	3.6
F1A	20241014	Cloudy	Moderate	Mid-Flood	Middle	3.95	16:14	8.48	8.3	32.49	28.06	2.3	4.6
F1A	20241014	Cloudy	Moderate	Mid-Flood	Bottom	6.9	16:13	8.46	8.29	32.47	28.15	2.6	3.3
F1A	20241014	Cloudy	Moderate	Mid-Flood	Bottom	6.9	16:13	8.48	8.29	32.37	28.16	2.7	3.6
H1	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	16:17	7.95	8.09	31.41	27.9	2.4	3.6
H1	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	16:17	7.8	8.07	31.44	28.01	2.3	4.4
H1	20241014	Cloudy	Moderate	Mid-Flood	Middle	4.3	16:16	7.88	8.09	31.47	28.01	2.5	4
H1	20241014	Cloudy	Moderate	Mid-Flood	Middle	4.3	16:16	7.81	8.1	31.31	27.93	2.5	4
H1	20241014	Cloudy	Moderate	Mid-Flood	Bottom	7.6	16:15	7.91	8.11	31.34	27.96	2.9	3.9
H1	20241014	Cloudy	Moderate	Mid-Flood	Bottom	7.6	16:15	7.89	8.09	31.34	27.92	2.9	3
M1	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	16:51	8.07	8.29	31.59	28.25	2.6	4
M1	20241014	Cloudy	Moderate	Mid-Flood	Surface	1	16:51	7.98	8.29	31.61	28.3	2.7	5
M1	20241014	Cloudy	Moderate	Mid-Flood	Middle	3.9	16:50	8.04	8.27	31.68	28.25	2.8	3.1
M1	20241014	Cloudy	Moderate	Mid-Flood	Middle	3.9	16:50	8.01	8.28	31.59	28.3	2.9	4.4
M1	20241014	Cloudy	Moderate	Mid-Flood	Bottom	6.8	16:49	8.01	8.26	31.78	28.3	3.2	3.6
M1	20241014	Cloudy	Moderate	Mid-Flood	Bottom	6.8	16:49	7.97	8.3	31.73	28.22	3.2	3.5
B1	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:03	9.19	8.26	32.56	28.04	3.7	3.8
B1	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:03	9.18	8.25	32.6	28.05	3.7	4.6

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
B1	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	10:02	9.2	8.24	32.6	28.09	4.4	4
B1	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	10:02	9.31	8.22	32.57	28.1	4.3	4.4
B2	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:22	9.1	8.25	32.8	28.08	3.5	4.3
B2	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:22	8.93	8.23	32.91	28.13	3.4	3.6
B2	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	4.7	10:21	9.04	8.22	32.93	28.14	3.9	2.9
B2	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	4.7	10:21	9.08	8.25	32.91	28.14	3.9	3.8
B3	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:05	8.17	8.18	32.56	28.02	2.7	3
B3	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:05	8.19	8.16	32.56	28.03	2.8	3.9
B3	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	3.7	10:04	8.11	8.17	32.57	27.95	3.3	3.8
B3	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	3.7	10:04	8.24	8.13	32.48	28.01	3.2	3.5
B4	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:21	8.95	8.14	32.26	28.23	2.9	4.2
B4	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:21	9.11	8.15	32.22	28.22	2.9	3.8
B4	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	10:20	8.99	8.16	32.33	28.26	3.5	3.6
B4	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	10:20	9.07	8.15	32.19	28.21	3.4	4
C1A	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	09:38	8.09	8.28	32.66	28.29	4.8	4.3
C1A	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	09:38	8.13	8.31	32.69	28.32	4.7	4.2
C1A	20241016	Cloudy	Moderate	Mid-Ebb	Middle	4.75	09:37	8.05	8.29	32.69	28.28	4.9	4.2
C1A	20241016	Cloudy	Moderate	Mid-Ebb	Middle	4.75	09:37	8.01	8.29	32.63	28.36	5.0	4.6
C1A	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	8.5	09:36	8.1	8.28	32.7	28.33	4.9	3.9
C1A	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	8.5	09:36	7.98	8.31	32.64	28.32	5.0	4
C2A	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	09:48	8.48	8.16	31.46	28.39	3.9	4
C2A	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	09:48	8.39	8.14	31.57	28.33	3.9	4
C2A	20241016	Cloudy	Moderate	Mid-Ebb	Middle	5.7	09:47	8.42	8.14	31.57	28.35	4.1	3.8
C2A	20241016	Cloudy	Moderate	Mid-Ebb	Middle	5.7	09:47	8.35	8.13	31.54	28.32	4.2	3.7
C2A	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	10.4	09:46	8.37	8.12	31.47	28.31	4.5	3.8
C2A	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	10.4	09:46	8.49	8.16	31.53	28.31	4.5	4.3
CR1	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	11:12	8.02	8.22	31.77	28.27	2.7	3.8
CR1	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	11:12	8.17	8.26	31.82	28.21	2.8	4
CR1	20241016	Cloudy	Moderate	Mid-Ebb	Middle	6.35	11:11	8.07	8.23	31.7	28.23	3.0	4.2
CR1	20241016	Cloudy	Moderate	Mid-Ebb	Middle	6.35	11:11	8.05	8.24	31.76	28.2	2.9	3.6
CR1	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	11.7	11:10	8.13	8.26	31.69	28.18	3.2	3.9
CR1	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	11.7	11:10	8.11	8.27	31.81	28.2	3.2	3.3
CR2	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:59	8.04	8.22	33.15	28.24	3.1	4
CR2	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:59	8.21	8.25	33.15	28.24	3.2	3
CR2	20241016	Cloudy	Moderate	Mid-Ebb	Middle	5.75	10:58	8.08	8.26	33.14	28.2	3.5	4.2
CR2	20241016	Cloudy	Moderate	Mid-Ebb	Middle	5.75	10:58	8.16	8.23	33.22	28.28	3.4	3.7
CR2	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	10.5	10:57	8.16	8.24	33.18	28.22	3.8	4.5
CR2	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	10.5	10:57	8.08	8.22	33.27	28.23	3.8	4
F1A	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:54	7.95	8.13	33	28.02	3.6	3.5
F1A	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:54	7.97	8.17	32.9	28.02	3.6	4.2
F1A	20241016	Cloudy	Moderate	Mid-Ebb	Middle	4.45	10:53	8.1	8.15	32.96	27.99	3.9	3.9

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
F1A	20241016	Cloudy	Moderate	Mid-Ebb	Middle	4.45	10:53	8.01	8.14	32.95	28.02	3.9	4.5
F1A	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	7.9	10:52	8.02	8.16	32.95	27.94	4.2	4.2
F1A	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	7.9	10:52	8.13	8.13	32.99	27.94	4.2	4.1
H1	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:43	8.61	8.15	32.51	28.01	3.8	3.8
H1	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	10:43	8.77	8.14	32.57	28.1	3.8	4.2
H1	20241016	Cloudy	Moderate	Mid-Ebb	Middle	4.35	10:42	8.76	8.16	32.5	28.03	4.0	4.3
H1	20241016	Cloudy	Moderate	Mid-Ebb	Middle	4.35	10:42	8.77	8.17	32.56	28.05	4.0	3.7
H1	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	7.7	10:41	8.64	8.14	32.56	28.05	4.3	3.5
H1	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	7.7	10:41	8.64	8.13	32.57	28.1	4.4	4.4
M1	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	11:30	9.01	8.13	32.02	28.36	2.9	4.4
M1	20241016	Cloudy	Moderate	Mid-Ebb	Surface	1	11:30	8.89	8.11	31.97	28.37	2.9	4.4
M1	20241016	Cloudy	Moderate	Mid-Ebb	Middle	4.8	11:29	8.96	8.1	31.98	28.32	3.2	4.3
M1	20241016	Cloudy	Moderate	Mid-Ebb	Middle	4.8	11:29	8.92	8.11	32.04	28.4	3.0	3.9
M1	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	8.6	11:28	8.97	8.11	31.95	28.33	3.4	4.1
M1	20241016	Cloudy	Moderate	Mid-Ebb	Bottom	8.6	11:28	8.97	8.11	32.08	28.38	3.4	4
B1	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	15:21	9.09	8.17	33.06	28.41	2.7	5
B1	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	15:21	9.08	8.12	33.06	28.41	2.8	4.4
B1	20241016	Cloudy	Moderate	Mid-Flood	Bottom	3.8	15:20	9.04	8.14	33.1	28.33	3.4	4.4
B1	20241016	Cloudy	Moderate	Mid-Flood	Bottom	3.8	15:20	9.02	8.17	33.03	28.33	3.3	5.1
B2	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	15:39	8.26	8.3	33.16	28.28	2.8	5
B2	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	15:39	8.31	8.27	33.1	28.33	3.0	4.4
B2	20241016	Cloudy	Moderate	Mid-Flood	Bottom	4.2	15:38	8.38	8.3	33.03	28.29	3.4	4.4
B2	20241016	Cloudy	Moderate	Mid-Flood	Bottom	4.2	15:38	8.21	8.28	33.03	28.34	3.5	3.6
B3	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	15:14	9.18	8.17	32.53	27.95	3.8	4.6
B3	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	15:14	9.17	8.21	32.62	27.89	3.8	4.4
B3	20241016	Cloudy	Moderate	Mid-Flood	Bottom	3.7	15:13	9.05	8.21	32.5	27.86	4.3	4.7
B3	20241016	Cloudy	Moderate	Mid-Flood	Bottom	3.7	15:13	9.12	8.21	32.53	27.91	4.3	4.7
B4	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	15:30	8.15	8.26	32.95	28.02	2.7	4.3
B4	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	15:30	8.28	8.25	32.93	28.05	2.6	4.6
B4	20241016	Cloudy	Moderate	Mid-Flood	Bottom	3.7	15:29	8.19	8.25	32.91	28.04	3.1	5
B4	20241016	Cloudy	Moderate	Mid-Flood	Bottom	3.7	15:29	8.19	8.28	33	28.08	3.2	4.8
C1A	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	14:56	8.31	8.33	31.99	28.54	3.5	4.6
C1A	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	14:56	8.22	8.31	31.99	28.48	3.5	5
C1A	20241016	Cloudy	Moderate	Mid-Flood	Middle	5.9	14:55	8.31	8.32	31.96	28.51	3.7	5.8
C1A	20241016	Cloudy	Moderate	Mid-Flood	Middle	5.9	14:55	8.2	8.29	31.96	28.46	3.7	4.9
C1A	20241016	Cloudy	Moderate	Mid-Flood	Bottom	10.8	14:54	8.18	8.29	31.97	28.52	4.0	4.8
C1A	20241016	Cloudy	Moderate	Mid-Flood	Bottom	10.8	14:54	8.3	8.3	31.97	28.5	3.9	4.9
C2A	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	14:56	8.94	8.17	32.83	28.06	4.4	5
C2A	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	14:56	8.84	8.17	32.86	28.07	4.6	4.8
C2A	20241016	Cloudy	Moderate	Mid-Flood	Middle	5.55	14:55	8.84	8.12	32.83	28.08	4.6	3.6
C2A	20241016	Cloudy	Moderate	Mid-Flood	Middle	5.55	14:55	8.88	8.16	32.79	28.06	4.6	4.7

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
C2A	20241016	Cloudy	Moderate	Mid-Flood	Bottom	10.1	14:54	8.89	8.12	32.84	28.03	4.9	4.6
C2A	20241016	Cloudy	Moderate	Mid-Flood	Bottom	10.1	14:54	8.83	8.13	32.91	28.07	5.0	4.8
CR1	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	16:31	8.58	8.27	33.02	28.28	2.8	3.3
CR1	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	16:31	8.5	8.27	33.07	28.26	2.7	4
CR1	20241016	Cloudy	Moderate	Mid-Flood	Middle	6.35	16:30	8.45	8.25	33.09	28.29	2.9	3.9
CR1	20241016	Cloudy	Moderate	Mid-Flood	Middle	6.35	16:30	8.53	8.28	33	28.24	2.9	4.4
CR1	20241016	Cloudy	Moderate	Mid-Flood	Bottom	11.7	16:29	8.41	8.28	33.09	28.21	3.3	3.6
CR1	20241016	Cloudy	Moderate	Mid-Flood	Bottom	11.7	16:29	8.46	8.25	33.05	28.23	3.3	3.8
CR2	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	16:16	7.71	8.12	32.43	28.53	3.7	3.4
CR2	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	16:16	7.81	8.09	32.43	28.51	3.7	4.1
CR2	20241016	Cloudy	Moderate	Mid-Flood	Middle	5.6	16:15	7.75	8.1	32.42	28.52	3.9	3.7
CR2	20241016	Cloudy	Moderate	Mid-Flood	Middle	5.6	16:15	7.83	8.14	32.48	28.48	3.9	4.4
CR2	20241016	Cloudy	Moderate	Mid-Flood	Bottom	10.2	16:14	7.86	8.12	32.42	28.46	4.2	4.2
CR2	20241016	Cloudy	Moderate	Mid-Flood	Bottom	10.2	16:14	7.85	8.09	32.5	28.51	4.2	3.4
F1A	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	16:02	8.95	8.26	31.99	28.41	3.1	4.9
F1A	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	16:02	8.81	8.26	32.11	28.43	3.2	4.3
F1A	20241016	Cloudy	Moderate	Mid-Flood	Middle	4.35	16:01	8.83	8.3	32.05	28.42	3.4	4.7
F1A	20241016	Cloudy	Moderate	Mid-Flood	Middle	4.35	16:01	8.79	8.26	32.03	28.39	3.3	4.9
F1A	20241016	Cloudy	Moderate	Mid-Flood	Bottom	7.7	16:00	8.81	8.26	32.12	28.44	3.6	4.6
F1A	20241016	Cloudy	Moderate	Mid-Flood	Bottom	7.7	16:00	8.89	8.31	32.06	28.46	3.7	4.6
H1	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	16:00	7.98	8.11	32.14	27.94	3.5	5.3
H1	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	16:00	8.06	8.15	32.14	27.9	3.5	4.6
H1	20241016	Cloudy	Moderate	Mid-Flood	Middle	4.3	15:59	8.11	8.15	32.24	27.93	3.6	4.7
H1	20241016	Cloudy	Moderate	Mid-Flood	Middle	4.3	15:59	8.09	8.15	32.21	27.93	3.7	4.4
H1	20241016	Cloudy	Moderate	Mid-Flood	Bottom	7.6	15:58	8.08	8.13	32.17	27.9	3.9	3.8
H1	20241016	Cloudy	Moderate	Mid-Flood	Bottom	7.6	15:58	8.02	8.13	32.22	27.94	3.9	4.3
M1	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	16:36	9.26	8.13	33.16	28.2	3.3	3.1
M1	20241016	Cloudy	Moderate	Mid-Flood	Surface	1	16:36	9.31	8.16	33.2	28.14	3.2	3.6
M1	20241016	Cloudy	Moderate	Mid-Flood	Middle	4.15	16:35	9.24	8.16	33.13	28.17	3.4	3.2
M1	20241016	Cloudy	Moderate	Mid-Flood	Middle	4.15	16:35	9.27	8.14	33.11	28.21	3.5	3.2
M1	20241016	Cloudy	Moderate	Mid-Flood	Bottom	7.3	16:34	9.3	8.17	33.21	28.23	3.8	3.6
M1	20241016	Cloudy	Moderate	Mid-Flood	Bottom	7.3	16:34	9.29	8.16	33.16	28.18	3.8	3.5
B1	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:26	8.01	8.2	32.91	28.45	3.3	5.2
B1	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:26	8.09	8.2	32.78	28.37	3.4	5.3
B1	20241018	Sunny	Moderate	Mid-Ebb	Bottom	4	11:25	8.07	8.17	32.79	28.39	3.9	8.8
B1	20241018	Sunny	Moderate	Mid-Ebb	Bottom	4	11:25	8.18	8.18	32.77	28.37	4.0	5.5
B2	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:43	7.52	8.3	32.84	28.64	3.5	7.8
B2	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:43	7.44	8.29	32.8	28.59	3.5	6.5
B2	20241018	Sunny	Moderate	Mid-Ebb	Bottom	4.3	11:42	7.47	8.34	32.78	28.59	3.9	6.6
B2	20241018	Sunny	Moderate	Mid-Ebb	Bottom	4.3	11:42	7.39	8.3	32.83	28.58	4.0	7.2
B3	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:21	8.2	8.13	32.21	28.48	2.5	6.8

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
B3	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:21	8.25	8.11	32.25	28.48	2.5	6.1
B3	20241018	Sunny	Moderate	Mid-Ebb	Bottom	3.4	11:20	8.2	8.13	32.14	28.46	3.0	5.4
B3	20241018	Sunny	Moderate	Mid-Ebb	Bottom	3.4	11:20	8.13	8.13	32.1	28.49	3.1	5.4
B4	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:36	8.41	8.27	32.25	28.16	2.9	6.4
B4	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:36	8.44	8.24	32.33	28.21	3.0	5.2
B4	20241018	Sunny	Moderate	Mid-Ebb	Bottom	3.7	11:35	8.53	8.23	32.36	28.22	3.4	5.4
B4	20241018	Sunny	Moderate	Mid-Ebb	Bottom	3.7	11:35	8.51	8.26	32.2	28.23	3.4	6.7
C1A	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:01	8.55	8.29	32.43	28.58	4.4	5.7
C1A	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:01	8.35	8.34	32.53	28.59	4.4	5.4
C1A	20241018	Sunny	Moderate	Mid-Ebb	Middle	4.65	11:00	8.4	8.31	32.52	28.51	4.7	5.5
C1A	20241018	Sunny	Moderate	Mid-Ebb	Middle	4.65	11:00	8.4	8.33	32.57	28.58	4.6	5.7
C1A	20241018	Sunny	Moderate	Mid-Ebb	Bottom	8.3	10:59	8.5	8.33	32.58	28.52	4.9	7.8
C1A	20241018	Sunny	Moderate	Mid-Ebb	Bottom	8.3	10:59	8.42	8.31	32.52	28.54	5.0	7.5
C2A	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:05	7.57	8.2	32.92	28.59	3.1	7.5
C2A	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	11:05	7.54	8.23	32.81	28.58	3.2	8.6
C2A	20241018	Sunny	Moderate	Mid-Ebb	Middle	6.2	11:04	7.52	8.23	32.8	28.64	3.3	6.6
C2A	20241018	Sunny	Moderate	Mid-Ebb	Middle	6.2	11:04	7.48	8.21	32.87	28.56	3.3	6.8
C2A	20241018	Sunny	Moderate	Mid-Ebb	Bottom	11.4	11:03	7.53	8.2	32.86	28.66	3.7	7.5
C2A	20241018	Sunny	Moderate	Mid-Ebb	Bottom	11.4	11:03	7.52	8.2	32.86	28.63	3.6	7.5
CR1	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	12:37	7.98	8.18	32.94	28.12	3.2	4
CR1	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	12:37	7.84	8.16	32.87	28.12	3.2	4.3
CR1	20241018	Sunny	Moderate	Mid-Ebb	Middle	6.3	12:36	7.87	8.2	32.89	28.05	3.3	3.9
CR1	20241018	Sunny	Moderate	Mid-Ebb	Middle	6.3	12:36	7.8	8.2	32.87	28.05	3.5	4.2
CR1	20241018	Sunny	Moderate	Mid-Ebb	Bottom	11.6	12:35	7.85	8.16	32.92	28.06	3.6	6.9
CR1	20241018	Sunny	Moderate	Mid-Ebb	Bottom	11.6	12:35	7.76	8.18	32.78	28.04	3.8	6
CR2	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	12:22	7.47	8.3	33.33	28.31	2.6	4.8
CR2	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	12:22	7.39	8.33	33.26	28.29	2.5	6
CR2	20241018	Sunny	Moderate	Mid-Ebb	Middle	5.45	12:21	7.48	8.3	33.18	28.24	2.8	5.1
CR2	20241018	Sunny	Moderate	Mid-Ebb	Middle	5.45	12:21	7.4	8.33	33.25	28.24	2.9	5
CR2	20241018	Sunny	Moderate	Mid-Ebb	Bottom	9.9	12:20	7.54	8.32	33.18	28.22	3.1	5.7
CR2	20241018	Sunny	Moderate	Mid-Ebb	Bottom	9.9	12:20	7.53	8.33	33.24	28.32	3.2	4.7
F1A	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	12:11	8.02	8.16	32.48	28.37	3.0	7.5
F1A	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	12:11	8.04	8.18	32.37	28.29	3.1	7.4
F1A	20241018	Sunny	Moderate	Mid-Ebb	Middle	4	12:10	8.09	8.17	32.44	28.29	3.2	6.8
F1A	20241018	Sunny	Moderate	Mid-Ebb	Middle	4	12:10	7.94	8.2	32.52	28.3	3.1	6.4
F1A	20241018	Sunny	Moderate	Mid-Ebb	Bottom	7	12:09	8.04	8.19	32.41	28.27	3.5	5
F1A	20241018	Sunny	Moderate	Mid-Ebb	Bottom	7	12:09	8.12	8.15	32.49	28.27	3.5	5.2
H1	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	12:06	7.87	8.24	32.49	28.17	2.7	6
H1	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	12:06	7.86	8.23	32.55	28.1	2.6	5.4
H1	20241018	Sunny	Moderate	Mid-Ebb	Middle	4.5	12:05	7.89	8.21	32.47	28.19	2.7	6.9
H1	20241018	Sunny	Moderate	Mid-Ebb	Middle	4.5	12:05	7.72	8.22	32.46	28.14	2.9	7.9

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
H1	20241018	Sunny	Moderate	Mid-Ebb	Bottom	8	12:04	7.8	8.24	32.4	28.19	3.2	7.4
H1	20241018	Sunny	Moderate	Mid-Ebb	Bottom	8	12:04	7.85	8.23	32.46	28.13	3.1	7.4
M1	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	12:48	8.31	8.2	32.01	28.1	2.8	5.6
M1	20241018	Sunny	Moderate	Mid-Ebb	Surface	1	12:48	8.31	8.21	31.96	28.17	2.8	5.1
M1	20241018	Sunny	Moderate	Mid-Ebb	Middle	4.95	12:47	8.43	8.21	32.06	28.14	3.1	4.9
M1	20241018	Sunny	Moderate	Mid-Ebb	Middle	4.95	12:47	8.43	8.2	32.05	28.1	3.0	4.8
M1	20241018	Sunny	Moderate	Mid-Ebb	Bottom	8.9	12:46	8.36	8.22	32.03	28.15	3.2	4.5
M1	20241018	Sunny	Moderate	Mid-Ebb	Bottom	8.9	12:46	8.36	8.22	32.01	28.14	3.2	5.1
B1	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:11	8.61	8.16	32.54	28.5	2.7	10.3
B1	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:11	8.43	8.17	32.5	28.47	2.6	8.8
B1	20241018	Sunny	Moderate	Mid-Flood	Bottom	4.4	16:10	8.44	8.19	32.52	28.53	3.3	9.6
B1	20241018	Sunny	Moderate	Mid-Flood	Bottom	4.4	16:10	8.53	8.17	32.55	28.54	3.2	9.2
B2	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:29	8.24	8.37	32.47	28.59	2.8	7.8
B2	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:29	8.24	8.34	32.64	28.54	2.8	10
B2	20241018	Sunny	Moderate	Mid-Flood	Bottom	3.4	16:28	8.21	8.36	32.53	28.53	3.2	8.7
B2	20241018	Sunny	Moderate	Mid-Flood	Bottom	3.4	16:28	8.07	8.37	32.58	28.54	3.2	9.4
B3	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:05	7.94	8.23	32.1	28.61	2.7	10.8
B3	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:05	8.02	8.23	32.09	28.63	2.7	9.9
B3	20241018	Sunny	Moderate	Mid-Flood	Bottom	4.3	16:04	7.92	8.21	32.18	28.56	3.3	10
B3	20241018	Sunny	Moderate	Mid-Flood	Bottom	4.3	16:04	8.08	8.24	32.13	28.65	3.2	9.3
B4	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:20	8.66	8.31	32.16	28.16	2.1	15.3
B4	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:20	8.6	8.32	32.26	28.24	2.0	10.4
B4	20241018	Sunny	Moderate	Mid-Flood	Bottom	3.6	16:19	8.74	8.3	32.28	28.19	2.7	9.9
B4	20241018	Sunny	Moderate	Mid-Flood	Bottom	3.6	16:19	8.74	8.29	32.16	28.23	2.5	7.9
C1A	20241018	Sunny	Moderate	Mid-Flood	Surface	1	15:46	8.37	8.24	31.76	28.37	2.9	8.8
C1A	20241018	Sunny	Moderate	Mid-Flood	Surface	1	15:46	8.37	8.22	31.7	28.41	3.0	7.5
C1A	20241018	Sunny	Moderate	Mid-Flood	Middle	5.1	15:45	8.37	8.26	31.71	28.4	3.1	8
C1A	20241018	Sunny	Moderate	Mid-Flood	Middle	5.1	15:45	8.34	8.22	31.7	28.33	3.0	9.2
C1A	20241018	Sunny	Moderate	Mid-Flood	Bottom	9.2	15:44	8.17	8.25	31.79	28.36	3.3	8.9
C1A	20241018	Sunny	Moderate	Mid-Flood	Bottom	9.2	15:44	8.29	8.21	31.62	28.4	3.4	8.9
C2A	20241018	Sunny	Moderate	Mid-Flood	Surface	1	15:46	8.67	8.3	32.06	28.14	3.8	9.9
C2A	20241018	Sunny	Moderate	Mid-Flood	Surface	1	15:46	8.46	8.33	32.1	28.2	3.8	8.7
C2A	20241018	Sunny	Moderate	Mid-Flood	Middle	5.85	15:45	8.52	8.33	32.01	28.17	4.0	10
C2A	20241018	Sunny	Moderate	Mid-Flood	Middle	5.85	15:45	8.58	8.34	32.04	28.19	4.0	9
C2A	20241018	Sunny	Moderate	Mid-Flood	Bottom	10.7	15:44	8.46	8.29	32.14	28.16	4.2	10.1
C2A	20241018	Sunny	Moderate	Mid-Flood	Bottom	10.7	15:44	8.63	8.29	32.05	28.23	4.2	9
CR1	20241018	Sunny	Moderate	Mid-Flood	Surface	1	17:20	8.69	8.19	33.35	28.57	2.5	8.6
CR1	20241018	Sunny	Moderate	Mid-Flood	Surface	1	17:20	8.85	8.17	33.21	28.64	2.5	7.8
CR1	20241018	Sunny	Moderate	Mid-Flood	Middle	6.2	17:19	8.85	8.18	33.24	28.61	2.7	7.1
CR1	20241018	Sunny	Moderate	Mid-Flood	Middle	6.2	17:19	8.89	8.2	33.18	28.62	2.7	7.2
CR1	20241018	Sunny	Moderate	Mid-Flood	Bottom	11.4	17:18	8.76	8.17	33.2	28.56	3.0	8

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
CR1	20241018	Sunny	Moderate	Mid-Flood	Bottom	11.4	17:18	8.67	8.17	33.34	28.66	3.1	7.6
CR2	20241018	Sunny	Moderate	Mid-Flood	Surface	1	17:08	7.42	8.23	33.29	28.41	1.8	7.3
CR2	20241018	Sunny	Moderate	Mid-Flood	Surface	1	17:08	7.27	8.26	33.23	28.35	1.8	7.1
CR2	20241018	Sunny	Moderate	Mid-Flood	Middle	5.7	17:07	7.33	8.25	33.32	28.36	2.1	7.5
CR2	20241018	Sunny	Moderate	Mid-Flood	Middle	5.7	17:07	7.36	8.22	33.35	28.37	2.1	7.3
CR2	20241018	Sunny	Moderate	Mid-Flood	Bottom	10.4	17:06	7.4	8.26	33.28	28.32	2.3	6.9
CR2	20241018	Sunny	Moderate	Mid-Flood	Bottom	10.4	17:06	7.42	8.27	33.26	28.41	2.5	7.6
F1A	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:52	8.44	8.31	32.74	28.27	2.9	9
F1A	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:52	8.43	8.31	32.58	28.19	2.9	8.9
F1A	20241018	Sunny	Moderate	Mid-Flood	Middle	4.2	16:51	8.45	8.34	32.67	28.26	3.1	13.4
F1A	20241018	Sunny	Moderate	Mid-Flood	Middle	4.2	16:51	8.56	8.35	32.73	28.28	3.1	8.1
F1A	20241018	Sunny	Moderate	Mid-Flood	Bottom	7.4	16:50	8.58	8.36	32.57	28.25	3.3	9
F1A	20241018	Sunny	Moderate	Mid-Flood	Bottom	7.4	16:50	8.41	8.36	32.6	28.19	3.3	8.9
H1	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:54	8.47	8.22	32.42	28.53	2.9	8.6
H1	20241018	Sunny	Moderate	Mid-Flood	Surface	1	16:54	8.31	8.22	32.56	28.5	2.9	8.7
H1	20241018	Sunny	Moderate	Mid-Flood	Middle	3.75	16:53	8.42	8.22	32.54	28.5	3.1	5.3
H1	20241018	Sunny	Moderate	Mid-Flood	Middle	3.75	16:53	8.28	8.23	32.43	28.53	3.2	6.9
H1	20241018	Sunny	Moderate	Mid-Flood	Bottom	6.5	16:52	8.35	8.25	32.55	28.5	3.5	7
H1	20241018	Sunny	Moderate	Mid-Flood	Bottom	6.5	16:52	8.39	8.24	32.48	28.53	3.4	9.7
M1	20241018	Sunny	Moderate	Mid-Flood	Surface	1	17:24	7.61	8.3	33.16	28.65	2.8	7
M1	20241018	Sunny	Moderate	Mid-Flood	Surface	1	17:24	7.81	8.34	33.12	28.62	2.8	6.9
M1	20241018	Sunny	Moderate	Mid-Flood	Middle	4	17:23	7.64	8.32	33.19	28.66	3.1	7.6
M1	20241018	Sunny	Moderate	Mid-Flood	Middle	4	17:23	7.71	8.29	33.06	28.62	3.0	7.6
M1	20241018	Sunny	Moderate	Mid-Flood	Bottom	7	17:22	7.78	8.32	33.01	28.63	3.2	7.4
M1	20241018	Sunny	Moderate	Mid-Flood	Bottom	7	17:22	7.8	8.29	33.01	28.63	3.3	7.6
B1	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	13:48	8.07	8.09	32.99	28.18	3.0	4.2
B1	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	13:48	8.07	8.08	32.91	28.16	3.0	2.7
B1	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	13:47	8.05	8.06	32.97	28.16	3.6	4.1
B1	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	13:47	8.05	8.07	32.91	28.15	3.6	3.8
B2	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	14:06	8.01	8.16	32.46	28.39	3.7	4
B2	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	14:06	7.93	8.18	32.43	28.35	3.6	3.8
B2	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	4.2	14:05	8.02	8.21	32.58	28.33	4.2	3.7
B2	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	4.2	14:05	7.99	8.19	32.54	28.33	4.2	3.8
B3	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	13:41	8.86	8.24	33.04	27.97	3.0	4.3
В3	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	13:41	8.9	8.24	33.04	27.98	3.0	6
B3	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	13:40	8.89	8.23	33.04	27.93	3.4	4
В3	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	13:40	8.96	8.2	32.93	27.91	3.4	3.8
B4	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	13:56	8.72	8.2	32.86	28.41	3.6	4.5
B4	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	13:56	8.7	8.22	32.84	28.38	3.5	4.8
B4	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	3.2	13:55	8.65	8.2	32.88	28.45	4.0	2.7
B4	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	3.2	13:55	8.66	8.22	32.93	28.43	4.1	3.5

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
C1A	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	13:23	7.68	8.23	32.02	28.17	4.1	4.1
C1A	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	13:23	7.69	8.26	31.98	28.19	4.2	5
C1A	20241021	Cloudy	Moderate	Mid-Ebb	Middle	5.55	13:22	7.67	8.21	31.99	28.17	4.3	5.4
C1A	20241021	Cloudy	Moderate	Mid-Ebb	Middle	5.55	13:22	7.72	8.24	31.88	28.16	4.3	4.6
C1A	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	10.1	13:21	7.64	8.23	31.86	28.16	4.7	4.1
C1A	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	10.1	13:21	7.64	8.25	31.99	28.2	4.6	5
C2A	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	13:23	8.21	8.21	32.37	28.4	3.9	5.1
C2A	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	13:23	8.19	8.2	32.41	28.4	4.0	4.4
C2A	20241021	Cloudy	Moderate	Mid-Ebb	Middle	6.25	13:22	8.26	8.17	32.39	28.34	4.2	7.2
C2A	20241021	Cloudy	Moderate	Mid-Ebb	Middle	6.25	13:22	8.19	8.2	32.26	28.36	4.2	5.5
C2A	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	11.5	13:21	8.26	8.18	32.4	28.4	4.1	4.3
C2A	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	11.5	13:21	8.27	8.18	32.38	28.32	4.1	4.8
CR1	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	14:57	8.34	8.29	32.26	27.84	2.5	6.5
CR1	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	14:57	8.33	8.29	32.21	27.84	2.5	5.8
CR1	20241021	Cloudy	Moderate	Mid-Ebb	Middle	6.6	14:56	8.33	8.28	32.14	27.86	2.8	2.7
CR1	20241021	Cloudy	Moderate	Mid-Ebb	Middle	6.6	14:56	8.38	8.29	32.22	27.87	2.7	3
CR1	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	12.2	14:55	8.38	8.27	32.22	27.9	3.1	3.6
CR1	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	12.2	14:55	8.38	8.24	32.2	27.87	3.0	5.5
CR2	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	14:44	8.7	8.04	32.08	27.99	3.1	3.7
CR2	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	14:44	8.61	8.07	32.14	27.98	3.1	4.2
CR2	20241021	Cloudy	Moderate	Mid-Ebb	Middle	5.8	14:43	8.72	8.06	32.23	28	3.2	3.6
CR2	20241021	Cloudy	Moderate	Mid-Ebb	Middle	5.8	14:43	8.72	8.03	32.24	27.97	3.3	2.9
CR2	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	10.6	14:42	8.71	8.05	32.19	28.01	3.7	4.3
CR2	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	10.6	14:42	8.67	8.06	32.14	27.97	3.5	4.7
F1A	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	14:29	9.03	8.11	32.65	28.25	3.5	5.7
F1A	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	14:29	8.99	8.1	32.71	28.19	3.5	4.7
F1A	20241021	Cloudy	Moderate	Mid-Ebb	Middle	3.95	14:28	9.07	8.15	32.64	28.25	3.7	4.5
F1A	20241021	Cloudy	Moderate	Mid-Ebb	Middle	3.95	14:28	9.08	8.11	32.64	28.23	3.7	4.6
F1A	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	6.9	14:27	8.99	8.12	32.67	28.24	4.1	4.8
F1A	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	6.9	14:27	9.03	8.15	32.67	28.26	4.1	3.8
H1	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	14:28	8.42	8.23	31.83	28.29	3.5	4.7
H1	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	14:28	8.47	8.24	31.75	28.29	3.6	3.6
H1	20241021	Cloudy	Moderate	Mid-Ebb	Middle	3.9	14:27	8.43	8.24	31.72	28.24	3.8	3.7
H1	20241021	Cloudy	Moderate	Mid-Ebb	Middle	3.9	14:27	8.51	8.23	31.78	28.29	3.8	4.3
H1	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	14:26	8.41	8.23	31.77	28.26	4.1	3.6
H1	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	14:26	8.43	8.2	31.84	28.32	4.1	4
M1	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	15:05	8.97	8.24	32.6	28.13	3.9	4.9
M1	20241021	Cloudy	Moderate	Mid-Ebb	Surface	1	15:05	9.02	8.26	32.75	28.12	3.9	5.5
M1	20241021	Cloudy	Moderate	Mid-Ebb	Middle	4.45	15:04	9.03	8.25	32.7	28.1	4.1	4.1
M1	20241021	Cloudy	Moderate	Mid-Ebb	Middle	4.45	15:04	8.97	8.28	32.76	28.12	4.0	3.6
M1	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	7.9	15:03	9	8.25	32.75	28.13	4.4	4.1

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
M1	20241021	Cloudy	Moderate	Mid-Ebb	Bottom	7.9	15:03	8.98	8.28	32.76	28.11	4.4	5.9
B1	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	09:28	8.42	8.18	32.76	28.19	3.9	6.1
B1	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	09:28	8.44	8.14	32.71	28.17	3.9	4.7
B1	20241021	Cloudy	Moderate	Mid-Flood	Bottom	4.1	09:27	8.4	8.18	32.71	28.21	4.5	4.6
B1	20241021	Cloudy	Moderate	Mid-Flood	Bottom	4.1	09:27	8.37	8.15	32.62	28.23	4.3	4.4
B2	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	09:47	8.69	8.16	32.51	28.27	3.6	4.3
B2	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	09:47	8.7	8.15	32.54	28.3	3.6	4
B2	20241021	Cloudy	Moderate	Mid-Flood	Bottom	3.7	09:46	8.65	8.15	32.54	28.28	4.1	4.1
B2	20241021	Cloudy	Moderate	Mid-Flood	Bottom	3.7	09:46	8.72	8.19	32.48	28.35	4.1	4.3
B3	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	08:26	8.53	8.23	33.27	27.98	2.4	4.3
B3	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	08:26	8.57	8.23	33.25	27.98	2.5	3.6
B3	20241021	Cloudy	Moderate	Mid-Flood	Bottom	3.9	08:25	8.59	8.23	33.2	27.95	3.1	4.5
B3	20241021	Cloudy	Moderate	Mid-Flood	Bottom	3.9	08:25	8.62	8.24	33.13	27.91	3.1	3.9
B4	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	08:41	8.33	8.1	33.16	28.18	3.4	4.4
B4	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	08:41	8.31	8.12	33.21	28.2	3.4	5.2
B4	20241021	Cloudy	Moderate	Mid-Flood	Bottom	4.6	08:40	8.32	8.14	33.11	28.22	3.9	7
B4	20241021	Cloudy	Moderate	Mid-Flood	Bottom	4.6	08:40	8.31	8.15	33.19	28.17	3.9	7.8
C1A	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	09:03	8.36	8.22	32.43	28.32	3.7	5.5
C1A	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	09:03	8.39	8.24	32.38	28.32	3.7	4.8
C1A	20241021	Cloudy	Moderate	Mid-Flood	Middle	5.35	09:02	8.33	8.21	32.51	28.26	3.6	6.4
C1A	20241021	Cloudy	Moderate	Mid-Flood	Middle	5.35	09:02	8.42	8.2	32.49	28.28	3.7	5.4
C1A	20241021	Cloudy	Moderate	Mid-Flood	Bottom	9.7	09:01	8.42	8.21	32.42	28.29	3.9	4.7
C1A	20241021	Cloudy	Moderate	Mid-Flood	Bottom	9.7	09:01	8.32	8.24	32.39	28.31	3.9	6
C2A	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	08:08	7.63	8.06	32.67	28.07	4.7	4.5
C2A	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	08:08	7.65	8.09	32.64	28.09	4.6	5.8
C2A	20241021	Cloudy	Moderate	Mid-Flood	Middle	5.8	08:07	7.67	8.05	32.73	28.11	4.7	6.1
C2A	20241021	Cloudy	Moderate	Mid-Flood	Middle	5.8	08:07	7.67	8.08	32.65	28.11	4.8	5.2
C2A	20241021	Cloudy	Moderate	Mid-Flood	Bottom	10.6	08:06	7.65	8.05	32.74	28.04	5.0	4.6
C2A	20241021	Cloudy	Moderate	Mid-Flood	Bottom	10.6	08:06	7.63	8.08	32.74	28.06	5.1	5.6
CR1	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	08:28	8.33	8.2	32.02	27.85	3.2	6.3
CR1	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	08:28	8.35	8.2	32.15	27.86	3.3	6.1
CR1	20241021	Cloudy	Moderate	Mid-Flood	Middle	6.4	08:27	8.29	8.2	32.05	27.89	3.4	4.8
CR1	20241021	Cloudy	Moderate	Mid-Flood	Middle	6.4	08:27	8.26	8.19	32.07	27.86	3.5	5.2
CR1	20241021	Cloudy	Moderate	Mid-Flood	Bottom	11.8	08:26	8.29	8.16	32.04	27.92	3.8	5.5
CR1	20241021	Cloudy	Moderate	Mid-Flood	Bottom	11.8	08:26	8.31	8.21	32.03	27.88	3.9	5.5
CR2	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	08:44	8.88	8.17	33.03	27.98	3.7	4.9
CR2	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	08:44	8.88	8.15	33.14	28.06	3.7	5.1
CR2	20241021	Cloudy	Moderate	Mid-Flood	Middle	5.55	08:43	8.97	8.14	33.06	28.03	4.0	4.7
CR2	20241021	Cloudy	Moderate	Mid-Flood	Middle	5.55	08:43	8.87	8.15	33.02	27.98	4.0	5.3
CR2	20241021	Cloudy	Moderate	Mid-Flood	Bottom	10.1	08:42	8.92	8.15	33.13	27.98	4.2	4.9
CR2	20241021	Cloudy	Moderate	Mid-Flood	Bottom	10.1	08:42	8.93	8.16	33.03	28.01	4.2	4.5

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
F1A	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	09:16	7.96	8.2	32.18	28.11	3.0	5.5
F1A	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	09:16	7.95	8.21	32.17	28.04	2.8	4.5
F1A	20241021	Cloudy	Moderate	Mid-Flood	Middle	3.85	09:15	7.93	8.2	32.16	28.13	3.0	6.6
F1A	20241021	Cloudy	Moderate	Mid-Flood	Middle	3.85	09:15	7.96	8.21	32.29	28.05	3.0	5.7
F1A	20241021	Cloudy	Moderate	Mid-Flood	Bottom	6.7	09:14	7.94	8.21	32.34	28.05	3.4	5.7
F1A	20241021	Cloudy	Moderate	Mid-Flood	Bottom	6.7	09:14	7.93	8.22	32.16	28.05	3.5	5
H1	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	10:16	8.81	8.22	32.25	28.01	3.7	7.4
H1	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	10:16	8.84	8.2	32.24	28.03	3.7	7.4
H1	20241021	Cloudy	Moderate	Mid-Flood	Middle	4.1	10:15	8.83	8.21	32.28	28.01	3.9	7.5
H1	20241021	Cloudy	Moderate	Mid-Flood	Middle	4.1	10:15	8.87	8.21	32.42	28.01	3.9	6.5
H1	20241021	Cloudy	Moderate	Mid-Flood	Bottom	7.2	10:14	8.85	8.17	32.28	28.03	4.1	5.9
H1	20241021	Cloudy	Moderate	Mid-Flood	Bottom	7.2	10:14	8.85	8.18	32.35	28.01	4.2	5.4
M1	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	09:51	7.41	8.16	32.79	28.15	3.4	4.8
M1	20241021	Cloudy	Moderate	Mid-Flood	Surface	1	09:51	7.41	8.17	32.8	28.24	3.3	5.3
M1	20241021	Cloudy	Moderate	Mid-Flood	Middle	3.95	09:50	7.45	8.19	32.86	28.19	3.5	5.6
M1	20241021	Cloudy	Moderate	Mid-Flood	Middle	3.95	09:50	7.44	8.18	32.8	28.2	3.6	6
M1	20241021	Cloudy	Moderate	Mid-Flood	Bottom	6.9	09:49	7.49	8.15	32.88	28.23	3.8	4.3
M1	20241021	Cloudy	Moderate	Mid-Flood	Bottom	6.9	09:49	7.46	8.2	32.74	28.2	3.9	4.7
B1	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:27	8.35	8.18	31.67	28.75	3.3	11
B1	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:27	8.27	8.18	31.88	28.78	3.3	11
B1	20241023	Sunny	Moderate	Mid-Ebb	Bottom	3.5	08:26	8.39	8.18	31.85	28.81	3.8	11.4
B1	20241023	Sunny	Moderate	Mid-Ebb	Bottom	3.5	08:26	8.36	8.21	31.79	28.75	3.8	14.4
B2	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:45	7.61	8.19	30.72	28.78	4.2	10.4
B2	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:45	7.67	8.16	30.65	28.78	4.2	10.4
B2	20241023	Sunny	Moderate	Mid-Ebb	Bottom	4.3	08:44	7.74	8.16	30.67	28.82	4.7	12
B2	20241023	Sunny	Moderate	Mid-Ebb	Bottom	4.3	08:44	7.8	8.19	30.67	28.8	4.8	10.4
B3	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:20	8.22	8.21	31.67	28.86	3.8	10.5
B3	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:20	8.18	8.21	31.56	28.84	3.6	11.2
B3	20241023	Sunny	Moderate	Mid-Ebb	Bottom	3.9	08:19	8.07	8.21	31.62	28.92	4.1	11.9
B3	20241023	Sunny	Moderate	Mid-Ebb	Bottom	3.9	08:19	8.16	8.21	31.59	28.89	4.3	11.3
B4	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:35	8.84	8.4	31.63	28.57	3.9	11.4
B4	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:35	9	8.4	31.6	28.57	4.0	12.4
B4	20241023	Sunny	Moderate	Mid-Ebb	Bottom	3.3	08:34	8.93	8.36	31.65	28.53	4.4	10.6
B4	20241023	Sunny	Moderate	Mid-Ebb	Bottom	3.3	08:34	8.93	8.4	31.47	28.56	4.5	11.8
C1A	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:02	8.78	8.28	30.79	28.63	4.9	11.4
C1A	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:02	8.7	8.25	30.78	28.69	4.9	11.2
C1A	20241023	Sunny	Moderate	Mid-Ebb	Middle	4.85	08:01	8.78	8.25	30.7	28.67	5.2	12
C1A	20241023	Sunny	Moderate	Mid-Ebb	Middle	4.85	08:01	8.66	8.24	30.76	28.67	5.2	10.6
C1A	20241023	Sunny	Moderate	Mid-Ebb	Bottom	8.7	08:00	8.8	8.28	30.65	28.6	5.2	10.4
C1A	20241023	Sunny	Moderate	Mid-Ebb	Bottom	8.7	08:00	8.79	8.27	30.78	28.68	5.2	10.8
C2A	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:02	8.48	8.29	31.16	28.89	3.8	10.9

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
C2A	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	08:02	8.47	8.27	31	28.8	3.7	11
C2A	20241023	Sunny	Moderate	Mid-Ebb	Middle	5.65	08:01	8.38	8.29	31.19	28.88	4.0	11.3
C2A	20241023	Sunny	Moderate	Mid-Ebb	Middle	5.65	08:01	8.49	8.27	31.06	28.82	3.8	11.3
C2A	20241023	Sunny	Moderate	Mid-Ebb	Bottom	10.3	08:00	8.47	8.27	30.96	28.85	4.2	10.9
C2A	20241023	Sunny	Moderate	Mid-Ebb	Bottom	10.3	08:00	8.47	8.3	31.13	28.85	4.1	11.9
CR1	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	09:36	8.42	8.19	32.04	28.56	4.3	11
CR1	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	09:36	8.47	8.18	31.92	28.53	4.4	10.2
CR1	20241023	Sunny	Moderate	Mid-Ebb	Middle	6.3	09:35	8.48	8.16	32.09	28.53	4.5	10.9
CR1	20241023	Sunny	Moderate	Mid-Ebb	Middle	6.3	09:35	8.47	8.19	31.88	28.5	4.6	10.8
CR1	20241023	Sunny	Moderate	Mid-Ebb	Bottom	11.6	09:34	8.33	8.16	31.89	28.51	4.9	11.1
CR1	20241023	Sunny	Moderate	Mid-Ebb	Bottom	11.6	09:34	8.36	8.19	31.98	28.54	4.8	11
CR2	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	09:23	9.03	8.22	30.59	28.89	3.8	11.1
CR2	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	09:23	9.13	8.22	30.45	28.93	3.8	11.2
CR2	20241023	Sunny	Moderate	Mid-Ebb	Middle	6.1	09:22	8.96	8.24	30.57	28.94	4.0	11.8
CR2	20241023	Sunny	Moderate	Mid-Ebb	Middle	6.1	09:22	8.99	8.23	30.53	28.86	4.0	11
CR2	20241023	Sunny	Moderate	Mid-Ebb	Bottom	11.2	09:21	9.06	8.23	30.46	28.87	4.4	10.9
CR2	20241023	Sunny	Moderate	Mid-Ebb	Bottom	11.2	09:21	9.01	8.24	30.6	28.84	4.4	11
F1A	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	09:09	8.55	8.23	31.03	28.69	4.2	11.6
F1A	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	09:09	8.65	8.24	31.06	28.71	4.3	12.1
F1A	20241023	Sunny	Moderate	Mid-Ebb	Middle	4.05	09:08	8.64	8.22	31.02	28.71	4.5	11.6
F1A	20241023	Sunny	Moderate	Mid-Ebb	Middle	4.05	09:08	8.6	8.2	30.99	28.71	4.5	12.7
F1A	20241023	Sunny	Moderate	Mid-Ebb	Bottom	7.1	09:07	8.51	8.24	31.19	28.74	4.9	9.8
F1A	20241023	Sunny	Moderate	Mid-Ebb	Bottom	7.1	09:07	8.57	8.23	30.98	28.78	4.9	11.3
H1	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	09:10	8.55	8.33	30.78	28.57	4.1	10.4
H1	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	09:10	8.6	8.33	30.68	28.6	4.2	11.9
H1	20241023	Sunny	Moderate	Mid-Ebb	Middle	3.95	09:09	8.55	8.31	30.68	28.58	4.3	11.6
H1	20241023	Sunny	Moderate	Mid-Ebb	Middle	3.95	09:09	8.5	8.34	30.7	28.58	4.3	12.8
H1	20241023	Sunny	Moderate	Mid-Ebb	Bottom	6.9	09:08	8.41	8.31	30.61	28.6	4.6	9.2
H1	20241023	Sunny	Moderate	Mid-Ebb	Bottom	6.9	09:08	8.56	8.32	30.62	28.6	4.6	10.6
M1	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	09:42	8.06	8.28	31.21	28.44	4.0	11.2
M1	20241023	Sunny	Moderate	Mid-Ebb	Surface	1	09:42	8.06	8.28	31.09	28.46	4.0	11
M1	20241023	Sunny	Moderate	Mid-Ebb	Middle	4.5	09:41	8.17	8.29	31.25	28.48	4.2	11.2
M1	20241023	Sunny	Moderate	Mid-Ebb	Middle	4.5	09:41	8.19	8.3	31.15	28.49	4.3	11.9
M1	20241023	Sunny	Moderate	Mid-Ebb	Bottom	8	09:40	8.05	8.3	31.16	28.46	4.6	11.3
M1	20241023	Sunny	Moderate	Mid-Ebb	Bottom	8	09:40	8.03	8.3	31.22	28.46	4.6	10.6
B1	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:12	7.93	8.3	32.13	28.73	4.1	11
B1	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:12	8.1	8.31	31.98	28.72	4.1	10.5
B1	20241023	Sunny	Moderate	Mid-Flood	Bottom	3.6	16:11	7.97	8.34	32.05	28.78	4.6	11
B1	20241023	Sunny	Moderate	Mid-Flood	Bottom	3.6	16:11	8.11	8.3	32.08	28.77	4.5	11.1
B2	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:30	8.4	8.17	30.56	28.52	4.0	11.3
B2	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:30	8.48	8.19	30.7	28.56	3.8	11.3

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
B2	20241023	Sunny	Moderate	Mid-Flood	Bottom	3.6	16:29	8.34	8.18	30.62	28.51	4.4	11.4
B2	20241023	Sunny	Moderate	Mid-Flood	Bottom	3.6	16:29	8.46	8.19	30.53	28.59	4.5	11
B3	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:04	8.34	8.22	30.76	28.99	3.8	11.2
B3	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:04	8.36	8.18	30.76	28.94	3.9	11.2
B3	20241023	Sunny	Moderate	Mid-Flood	Bottom	3.7	16:03	8.37	8.2	30.7	28.93	4.2	11
B3	20241023	Sunny	Moderate	Mid-Flood	Bottom	3.7	16:03	8.48	8.19	30.74	28.96	4.4	10.3
B4	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:21	9.18	8.22	30.43	28.86	3.9	11.7
B4	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:21	9.06	8.26	30.29	28.82	3.9	12.8
B4	20241023	Sunny	Moderate	Mid-Flood	Bottom	4.1	16:20	9.16	8.22	30.45	28.82	4.4	11.4
B4	20241023	Sunny	Moderate	Mid-Flood	Bottom	4.1	16:20	9.17	8.24	30.31	28.8	4.4	12.4
C1A	20241023	Sunny	Moderate	Mid-Flood	Surface	1	15:47	8.23	8.27	30.5	28.54	3.8	9.2
C1A	20241023	Sunny	Moderate	Mid-Flood	Surface	1	15:47	8.25	8.23	30.72	28.57	3.7	10.4
C1A	20241023	Sunny	Moderate	Mid-Flood	Middle	5.3	15:46	8.33	8.24	30.51	28.61	3.9	10.6
C1A	20241023	Sunny	Moderate	Mid-Flood	Middle	5.3	15:46	8.36	8.25	30.7	28.54	4.0	10.3
C1A	20241023	Sunny	Moderate	Mid-Flood	Bottom	9.6	15:45	8.31	8.25	30.52	28.6	4.2	10.4
C1A	20241023	Sunny	Moderate	Mid-Flood	Bottom	9.6	15:45	8.3	8.24	30.56	28.55	4.3	11.7
C2A	20241023	Sunny	Moderate	Mid-Flood	Surface	1	15:46	8.64	8.42	32.14	28.66	4.9	10.8
C2A	20241023	Sunny	Moderate	Mid-Flood	Surface	1	15:46	8.51	8.44	32.33	28.69	5.0	9.9
C2A	20241023	Sunny	Moderate	Mid-Flood	Middle	5.9	15:45	8.66	8.42	32.24	28.69	5.1	10.9
C2A	20241023	Sunny	Moderate	Mid-Flood	Middle	5.9	15:45	8.62	8.44	32.2	28.64	5.1	11
C2A	20241023	Sunny	Moderate	Mid-Flood	Bottom	10.8	15:44	8.64	8.42	32.35	28.64	5.3	11.2
C2A	20241023	Sunny	Moderate	Mid-Flood	Bottom	10.8	15:44	8.67	8.42	32.33	28.63	5.4	11
CR1	20241023	Sunny	Moderate	Mid-Flood	Surface	1	17:21	9	8.23	30.53	28.59	3.9	10.2
CR1	20241023	Sunny	Moderate	Mid-Flood	Surface	1	17:21	9.02	8.19	30.37	28.65	3.9	10.5
CR1	20241023	Sunny	Moderate	Mid-Flood	Middle	6.55	17:20	8.88	8.2	30.5	28.58	4.0	11.6
CR1	20241023	Sunny	Moderate	Mid-Flood	Middle	6.55	17:20	9.01	8.23	30.5	28.6	3.9	10.1
CR1	20241023	Sunny	Moderate	Mid-Flood	Bottom	12.1	17:19	9.05	8.23	30.4	28.62	4.3	10.5
CR1	20241023	Sunny	Moderate	Mid-Flood	Bottom	12.1	17:19	8.91	8.21	30.58	28.66	4.4	10.4
CR2	20241023	Sunny	Moderate	Mid-Flood	Surface	1	17:10	7.93	8.27	31.97	28.97	4.2	14.5
CR2	20241023	Sunny	Moderate	Mid-Flood	Surface	1	17:10	8.03	8.28	31.84	28.97	4.1	9.6
CR2	20241023	Sunny	Moderate	Mid-Flood	Middle	5.85	17:09	7.96	8.3	31.89	29	4.4	14.1
CR2	20241023	Sunny	Moderate	Mid-Flood	Middle	5.85	17:09	7.91	8.29	31.92	28.93	4.4	10.5
CR2	20241023	Sunny	Moderate	Mid-Flood	Bottom	10.7	17:08	8.03	8.27	31.8	28.96	4.6	10.4
CR2	20241023	Sunny	Moderate	Mid-Flood	Bottom	10.7	17:08	7.93	8.29	31.77	28.97	4.6	10.7
F1A	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:52	8.86	8.3	31.48	28.54	3.7	11.3
F1A	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:52	8.85	8.31	31.65	28.51	3.8	10
F1A	20241023	Sunny	Moderate	Mid-Flood	Middle	3.9	16:51	8.9	8.3	31.66	28.5	4.0	10.1
F1A	20241023	Sunny	Moderate	Mid-Flood	Middle	3.9	16:51	8.72	8.32	31.53	28.53	4.0	10.4
F1A	20241023	Sunny	Moderate	Mid-Flood	Bottom	6.8	16:50	8.76	8.33	31.54	28.47	4.3	11.1
F1A	20241023	Sunny	Moderate	Mid-Flood	Bottom	6.8	16:50	8.8	8.31	31.58	28.54	4.4	11.7
H1	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:54	7.82	8.29	31.33	28.46	4.0	10.4

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
H1	20241023	Sunny	Moderate	Mid-Flood	Surface	1	16:54	7.87	8.32	31.53	28.47	3.9	10.5
H1	20241023	Sunny	Moderate	Mid-Flood	Middle	4.05	16:53	7.8	8.33	31.49	28.53	4.1	8.9
H1	20241023	Sunny	Moderate	Mid-Flood	Middle	4.05	16:53	7.82	8.33	31.38	28.45	4.2	10.1
H1	20241023	Sunny	Moderate	Mid-Flood	Bottom	7.1	16:52	7.8	8.3	31.52	28.51	4.4	10.5
H1	20241023	Sunny	Moderate	Mid-Flood	Bottom	7.1	16:52	7.92	8.29	31.42	28.45	4.5	10.2
M1	20241023	Sunny	Moderate	Mid-Flood	Surface	1	17:28	8.69	8.39	31.84	28.58	3.6	11.2
M1	20241023	Sunny	Moderate	Mid-Flood	Surface	1	17:28	8.67	8.38	31.93	28.63	3.5	14.2
M1	20241023	Sunny	Moderate	Mid-Flood	Middle	4.35	17:27	8.71	8.41	31.84	28.61	3.9	10
M1	20241023	Sunny	Moderate	Mid-Flood	Middle	4.35	17:27	8.6	8.41	31.8	28.67	3.7	11.8
M1	20241023	Sunny	Moderate	Mid-Flood	Bottom	7.7	17:26	8.75	8.4	31.99	28.64	4.1	10.4
M1	20241023	Sunny	Moderate	Mid-Flood	Bottom	7.7	17:26	8.69	8.41	31.98	28.63	4.1	11.5
B1	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:32	7.79	8.21	31.19	28.38	3.7	6.4
B1	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:32	7.77	8.2	31.27	28.43	3.6	6.2
B1	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:31	7.85	8.24	31.31	28.41	4.2	6.9
B1	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:31	7.74	8.25	31.28	28.39	4.2	6.8
B2	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:50	8.93	8.3	30.91	28.29	3.5	5.4
B2	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:50	8.91	8.35	30.88	28.25	3.5	5.8
B2	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:49	9.05	8.33	30.98	28.22	4.1	7
B2	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:49	9.05	8.3	30.91	28.27	4.1	8.3
B3	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:26	8.64	8.23	31.64	28.4	3.7	6.9
B3	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:26	8.54	8.21	31.63	28.45	3.7	7.5
B3	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:25	8.48	8.23	31.65	28.41	4.2	5.7
B3	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:25	8.46	8.2	31.59	28.42	4.2	6.6
B4	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:41	8.31	8.07	31.79	28.35	3.4	5.7
B4	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:41	8.26	8.11	31.73	28.24	3.5	5.6
B4	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	3.9	08:40	8.22	8.11	31.75	28.27	4.0	6
B4	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	3.9	08:40	8.31	8.13	31.77	28.35	3.9	6.1
C1A	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:07	7.81	8.28	32.04	28.2	5.0	7.7
C1A	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:07	7.68	8.27	32.13	28.25	4.9	7.1
C1A	20241025	Cloudy	Moderate	Mid-Ebb	Middle	4.8	08:06	7.75	8.32	32.09	28.24	5.0	7
C1A	20241025	Cloudy	Moderate	Mid-Ebb	Middle	4.8	08:06	7.66	8.28	32.05	28.24	5.1	7.1
C1A	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	8.6	08:05	7.75	8.31	32.03	28.19	4.7	6.4
C1A	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	8.6	08:05	7.66	8.28	32.08	28.26	4.7	6.4
C2A	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:10	7.57	8.21	32.26	28.26	3.1	7.3
C2A	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	08:10	7.56	8.2	32.28	28.2	3.1	6.8
C2A	20241025	Cloudy	Moderate	Mid-Ebb	Middle	5.95	08:09	7.52	8.16	32.19	28.21	3.4	6.5
C2A	20241025	Cloudy	Moderate	Mid-Ebb	Middle	5.95	08:09	7.56	8.22	32.29	28.29	3.3	7.2
C2A	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	10.9	08:08	7.53	8.16	32.15	28.2	3.9	6.3
C2A	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	10.9	08:08	7.62	8.22	32.24	28.22	3.7	6.7
CR1	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	09:41	8.68	8.09	32.58	28.33	3.9	7.2
CR1	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	09:41	8.62	8.1	32.63	28.42	4.0	8

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
CR1	20241025	Cloudy	Moderate	Mid-Ebb	Middle	6.6	09:40	8.69	8.08	32.51	28.36	4.2	8.4
CR1	20241025	Cloudy	Moderate	Mid-Ebb	Middle	6.6	09:40	8.59	8.1	32.49	28.35	4.1	6.6
CR1	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	12.2	09:39	8.7	8.09	32.53	28.44	4.4	6.6
CR1	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	12.2	09:39	8.58	8.06	32.54	28.42	4.5	6.1
CR2	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	09:28	8.49	8.2	31.48	28.28	3.3	6.6
CR2	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	09:28	8.51	8.19	31.4	28.25	3.2	6.9
CR2	20241025	Cloudy	Moderate	Mid-Ebb	Middle	5.85	09:27	8.51	8.19	31.44	28.25	3.3	5.6
CR2	20241025	Cloudy	Moderate	Mid-Ebb	Middle	5.85	09:27	8.46	8.18	31.41	28.25	3.4	5.9
CR2	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	10.7	09:26	8.47	8.18	31.45	28.3	3.7	5.6
CR2	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	10.7	09:26	8.47	8.18	31.36	28.25	3.6	5.9
F1A	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	09:16	8.3	8.12	32.96	28.27	2.9	6.2
F1A	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	09:16	8.24	8.11	33	28.25	2.9	5.2
F1A	20241025	Cloudy	Moderate	Mid-Ebb	Middle	3.95	09:15	8.18	8.14	32.91	28.28	3.0	6.3
F1A	20241025	Cloudy	Moderate	Mid-Ebb	Middle	3.95	09:15	8.22	8.1	32.87	28.27	3.1	6
F1A	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	6.9	09:14	8.24	8.12	32.88	28.3	3.4	13
F1A	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	6.9	09:14	8.33	8.15	32.83	28.3	3.4	13.1
H1	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	09:12	8.13	8.14	32.11	28.58	3.1	6.1
H1	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	09:12	8.02	8.1	32.13	28.53	3.1	7.2
H1	20241025	Cloudy	Moderate	Mid-Ebb	Middle	4	09:11	8.1	8.09	32.11	28.52	3.4	7.6
H1	20241025	Cloudy	Moderate	Mid-Ebb	Middle	4	09:11	8.13	8.1	31.94	28.47	3.3	5.7
H1	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	7	09:10	8.1	8.11	32.09	28.53	3.7	5.6
H1	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	7	09:10	8.13	8.11	32.07	28.49	3.6	5.8
M1	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	09:52	9.04	8.14	31.45	28.07	3.2	5.4
M1	20241025	Cloudy	Moderate	Mid-Ebb	Surface	1	09:52	9.08	8.19	31.5	28.18	3.2	5.9
M1	20241025	Cloudy	Moderate	Mid-Ebb	Middle	4.75	09:51	9.11	8.15	31.47	28.09	3.4	5.7
M1	20241025	Cloudy	Moderate	Mid-Ebb	Middle	4.75	09:51	9.06	8.16	31.49	28.1	3.4	6.3
M1	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	8.5	09:50	9.17	8.16	31.62	28.15	3.8	6.1
M1	20241025	Cloudy	Moderate	Mid-Ebb	Bottom	8.5	09:50	9.21	8.19	31.46	28.12	3.8	6.7
B1	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:12	8.33	8.26	31.13	28.31	2.6	6.4
B1	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:12	8.39	8.23	31.23	28.29	2.7	8.2
B1	20241025	Cloudy	Moderate	Mid-Flood	Bottom	4.4	16:11	8.44	8.24	31.04	28.3	3.1	8.1
B1	20241025	Cloudy	Moderate	Mid-Flood	Bottom	4.4	16:11	8.47	8.2	31.11	28.38	3.2	6.7
B2	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:30	8.94	8.19	31.11	28.06	3.4	7.2
B2	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:30	8.94	8.18	30.95	28.05	3.4	6.5
B2	20241025	Cloudy	Moderate	Mid-Flood	Bottom	4.1	16:29	8.94	8.19	31.03	28.06	3.9	7.8
B2	20241025	Cloudy	Moderate	Mid-Flood	Bottom	4.1	16:29	8.82	8.18	31.1	28.07	3.9	7.2
B3	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:04	7.65	8.1	32.11	28.39	3.4	6
B3	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:04	7.58	8.11	32.1	28.4	3.4	6.5
B3	20241025	Cloudy	Moderate	Mid-Flood	Bottom	3.9	16:03	7.52	8.1	32.05	28.34	3.9	7.7
В3	20241025	Cloudy	Moderate	Mid-Flood	Bottom	3.9	16:03	7.56	8.06	32.17	28.31	4.0	8.4
B4	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:19	8.68	8.22	32.57	28.33	3.0	7.8

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
B4	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:19	8.54	8.21	32.6	28.43	3.0	7
B4	20241025	Cloudy	Moderate	Mid-Flood	Bottom	4.4	16:18	8.58	8.21	32.58	28.38	3.4	6.5
B4	20241025	Cloudy	Moderate	Mid-Flood	Bottom	4.4	16:18	8.62	8.21	32.55	28.42	3.5	6.2
C1A	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	15:47	8.62	8.12	31.76	28.14	3.9	7.8
C1A	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	15:47	8.62	8.09	31.67	28.19	3.9	8.7
C1A	20241025	Cloudy	Moderate	Mid-Flood	Middle	5.4	15:46	8.63	8.14	31.64	28.16	4.2	6.2
C1A	20241025	Cloudy	Moderate	Mid-Flood	Middle	5.4	15:46	8.61	8.13	31.63	28.13	4.2	7.3
C1A	20241025	Cloudy	Moderate	Mid-Flood	Bottom	9.8	15:45	8.57	8.1	31.72	28.12	4.6	6.4
C1A	20241025	Cloudy	Moderate	Mid-Flood	Bottom	9.8	15:45	8.64	8.1	31.64	28.17	4.5	7.6
C2A	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	15:46	8.82	8.14	31.18	28.35	3.5	8.2
C2A	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	15:46	8.92	8.14	31.23	28.35	3.5	6.7
C2A	20241025	Cloudy	Moderate	Mid-Flood	Middle	5.75	15:45	8.84	8.13	31.23	28.4	3.6	6.7
C2A	20241025	Cloudy	Moderate	Mid-Flood	Middle	5.75	15:45	8.79	8.16	31.2	28.39	3.7	7.2
C2A	20241025	Cloudy	Moderate	Mid-Flood	Bottom	10.5	15:44	8.83	8.18	31.15	28.36	4.0	6.9
C2A	20241025	Cloudy	Moderate	Mid-Flood	Bottom	10.5	15:44	8.82	8.15	31.29	28.37	3.9	5.7
CR1	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	17:21	8.05	8.06	31.6	28.38	3.2	5.2
CR1	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	17:21	8.19	8.05	31.47	28.42	3.2	5.6
CR1	20241025	Cloudy	Moderate	Mid-Flood	Middle	6.1	17:20	8.15	8.1	31.52	28.36	3.4	6.3
CR1	20241025	Cloudy	Moderate	Mid-Flood	Middle	6.1	17:20	8.07	8.06	31.44	28.34	3.5	5.8
CR1	20241025	Cloudy	Moderate	Mid-Flood	Bottom	11.2	17:19	8.14	8.06	31.55	28.43	3.8	6.1
CR1	20241025	Cloudy	Moderate	Mid-Flood	Bottom	11.2	17:19	8.14	8.04	31.6	28.41	3.9	5.6
CR2	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	17:08	8.11	8.21	32.03	28.07	3.6	5.4
CR2	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	17:08	8.18	8.23	31.99	28.07	3.5	4.6
CR2	20241025	Cloudy	Moderate	Mid-Flood	Middle	5.45	17:07	8.1	8.27	32.03	28.03	3.7	4.6
CR2	20241025	Cloudy	Moderate	Mid-Flood	Middle	5.45	17:07	8.13	8.22	32.02	28.02	3.7	6.6
CR2	20241025	Cloudy	Moderate	Mid-Flood	Bottom	9.9	17:06	8.21	8.24	31.91	28.08	4.1	6.5
CR2	20241025	Cloudy	Moderate	Mid-Flood	Bottom	9.9	17:06	8.05	8.27	31.95	28.06	4.1	5.7
F1A	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:52	8.69	8.21	30.94	28.15	2.6	5.8
F1A	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:52	8.72	8.21	30.92	28.16	2.6	6.1
F1A	20241025	Cloudy	Moderate	Mid-Flood	Middle	4.35	16:51	8.67	8.24	30.93	28.17	2.9	6.2
F1A	20241025	Cloudy	Moderate	Mid-Flood	Middle	4.35	16:51	8.71	8.21	30.93	28.15	2.8	6.1
F1A	20241025	Cloudy	Moderate	Mid-Flood	Bottom	7.7	16:50	8.7	8.24	30.93	28.15	3.1	5.6
F1A	20241025	Cloudy	Moderate	Mid-Flood	Bottom	7.7	16:50	8.78	8.25	31.06	28.17	3.1	4.6
H1	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:54	8.6	8.24	32.13	28.44	3.5	6.8
H1	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	16:54	8.66	8.21	32.1	28.53	3.5	7
H1	20241025	Cloudy	Moderate	Mid-Flood	Middle	4.1	16:53	8.66	8.19	32.21	28.43	3.7	7.2
H1	20241025	Cloudy	Moderate	Mid-Flood	Middle	4.1	16:53	8.62	8.24	32.2	28.51	3.6	6.1
H1	20241025	Cloudy	Moderate	Mid-Flood	Bottom	7.2	16:52	8.73	8.25	32.09	28.47	3.9	5.8
H1	20241025	Cloudy	Moderate	Mid-Flood	Bottom	7.2	16:52	8.64	8.21	32.08	28.45	4.0	6.2
M1	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	17:24	8.32	8.17	31.05	28.13	3.0	5.6
M1	20241025	Cloudy	Moderate	Mid-Flood	Surface	1	17:24	8.42	8.18	31.22	28.24	3.1	5.5

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
M1	20241025	Cloudy	Moderate	Mid-Flood	Middle	4.05	17:23	8.43	8.15	31.05	28.21	3.2	5
M1	20241025	Cloudy	Moderate	Mid-Flood	Middle	4.05	17:23	8.37	8.15	31.12	28.24	3.2	5.8
M1	20241025	Cloudy	Moderate	Mid-Flood	Bottom	7.1	17:22	8.28	8.16	31.24	28.18	3.7	5.8
M1	20241025	Cloudy	Moderate	Mid-Flood	Bottom	7.1	17:22	8.43	8.18	31.19	28.13	3.6	4.9
B1	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:40	8.34	8.26	31.89	28.44	3.3	5.6
B1	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:40	8.35	8.28	31.9	28.51	3.4	5.8
B1	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	3.7	08:39	8.35	8.25	31.93	28.49	3.8	5.6
B1	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	3.7	08:39	8.29	8.26	32.04	28.47	4.0	6.8
B2	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:54	8.78	8.14	31.91	28.15	3.6	7
B2	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:54	8.82	8.12	31.94	28.2	3.5	6.4
B2	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:53	8.86	8.12	31.89	28.19	4.1	5.8
B2	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	08:53	8.82	8.12	31.82	28.12	3.9	5.3
B3	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:29	8.15	8.08	33.24	28.21	4.0	6.4
B3	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:29	8.24	8.09	33.24	28.2	4.1	5.8
B3	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	08:28	8.18	8.08	33.35	28.13	4.5	6.2
B3	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	3.6	08:28	8.18	8.04	33.37	28.17	4.6	7.3
B4	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:42	8.67	8.17	32.43	28.48	3.1	5.6
B4	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:42	8.62	8.16	32.44	28.54	3.0	5.7
B4	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	3.9	08:41	8.63	8.14	32.43	28.49	3.7	6.6
B4	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	3.9	08:41	8.63	8.14	32.32	28.49	3.6	6
C1A	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:13	9.06	8.1	32.11	28.06	4.8	7.3
C1A	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:13	9.02	8.06	32.24	28.15	4.8	6.2
C1A	20241028	Cloudy	Moderate	Mid-Ebb	Middle	5.4	08:12	9.01	8.11	32.14	28.15	4.9	6.4
C1A	20241028	Cloudy	Moderate	Mid-Ebb	Middle	5.4	08:12	9	8.12	32.18	28.15	4.9	6.1
C1A	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	9.8	08:11	9.04	8.06	32.26	28.06	5.0	6.6
C1A	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	9.8	08:11	9.06	8.1	32.25	28.15	4.9	6.3
C2A	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:13	7.7	8.19	32.58	28.4	4.0	6.8
C2A	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	08:13	7.71	8.18	32.56	28.43	3.9	5.4
C2A	20241028	Cloudy	Moderate	Mid-Ebb	Middle	6.05	08:12	7.77	8.17	32.38	28.36	4.1	6.2
C2A	20241028	Cloudy	Moderate	Mid-Ebb	Middle	6.05	08:12	7.79	8.16	32.52	28.47	4.1	7.1
C2A	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	11.1	08:11	7.73	8.16	32.58	28.43	4.2	5.9
C2A	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	11.1	08:11	7.7	8.17	32.55	28.42	4.2	6.5
CR1	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	09:48	8.1	8.08	32.68	28.27	3.8	6
CR1	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	09:48	8.11	8.1	32.78	28.32	3.8	6.4
CR1	20241028	Cloudy	Moderate	Mid-Ebb	Middle	6.65	09:47	8.15	8.05	32.84	28.27	4.0	6.2
CR1	20241028	Cloudy	Moderate	Mid-Ebb	Middle	6.65	09:47	8.14	8.05	32.65	28.3	4.0	6.6
CR1	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	12.3	09:46	8.1	8.07	32.78	28.34	4.4	6.6
CR1	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	12.3	09:46	8.09	8.06	32.62	28.33	4.3	6.9
CR2	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	09:35	8.03	8.28	31.77	28.15	4.0	6.6
CR2	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	09:35	7.98	8.32	31.88	28.2	4.1	7
CR2	20241028	Cloudy	Moderate	Mid-Ebb	Middle	5.9	09:34	7.97	8.34	31.81	28.2	4.2	7.8

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
CR2	20241028	Cloudy	Moderate	Mid-Ebb	Middle	5.9	09:34	8.01	8.34	31.92	28.16	4.3	7.6
CR2	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	10.8	09:33	8.06	8.29	31.85	28.17	4.6	6.4
CR2	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	10.8	09:33	8.04	8.3	31.74	28.23	4.6	6.7
F1A	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	09:21	8.27	8.19	32.17	28.39	3.1	7.3
F1A	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	09:21	8.24	8.19	32.11	28.39	3.1	6.8
F1A	20241028	Cloudy	Moderate	Mid-Ebb	Middle	4.6	09:20	8.31	8.18	31.99	28.32	3.4	7.3
F1A	20241028	Cloudy	Moderate	Mid-Ebb	Middle	4.6	09:20	8.3	8.16	32.19	28.35	3.5	6.3
F1A	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	8.2	09:19	8.23	8.17	32.1	28.37	3.7	6.4
F1A	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	8.2	09:19	8.24	8.16	32.22	28.28	3.6	6.5
H1	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	09:18	9.27	8.13	31.73	28.1	4.0	5.6
H1	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	09:18	9.23	8.17	31.93	28.14	4.2	6
H1	20241028	Cloudy	Moderate	Mid-Ebb	Middle	4.45	09:17	9.25	8.12	31.84	28.09	4.3	5.9
H1	20241028	Cloudy	Moderate	Mid-Ebb	Middle	4.45	09:17	9.24	8.18	31.76	28.12	4.4	5.7
H1	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	7.9	09:16	9.31	8.12	31.73	28.08	4.7	5.7
H1	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	7.9	09:16	9.26	8.17	31.95	28.14	4.6	5.8
M1	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	09:55	8.28	8.31	32.4	28.35	3.3	5.8
M1	20241028	Cloudy	Moderate	Mid-Ebb	Surface	1	09:55	8.24	8.3	32.49	28.33	3.3	5.9
M1	20241028	Cloudy	Moderate	Mid-Ebb	Middle	4.4	09:54	8.31	8.29	32.46	28.38	3.5	5.5
M1	20241028	Cloudy	Moderate	Mid-Ebb	Middle	4.4	09:54	8.29	8.32	32.49	28.39	3.4	6.3
M1	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	7.8	09:53	8.28	8.31	32.29	28.33	3.8	7.2
M1	20241028	Cloudy	Moderate	Mid-Ebb	Bottom	7.8	09:53	8.32	8.31	32.29	28.36	3.8	6.9
B1	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	15:22	9.34	8.14	33.19	28.63	4.0	5.6
B1	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	15:22	9.37	8.15	32.99	28.63	4.0	5.9
B1	20241028	Cloudy	Moderate	Mid-Flood	Bottom	4.6	15:21	9.23	8.13	33.18	28.63	4.6	5.9
B1	20241028	Cloudy	Moderate	Mid-Flood	Bottom	4.6	15:21	9.31	8.18	33.14	28.66	4.7	5.4
B2	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	15:40	8.86	8.17	32.77	28.4	3.3	6.1
B2	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	15:40	8.85	8.19	32.69	28.4	3.4	5.3
B2	20241028	Cloudy	Moderate	Mid-Flood	Bottom	3.6	15:39	8.94	8.23	32.71	28.35	4.0	7.3
B2	20241028	Cloudy	Moderate	Mid-Flood	Bottom	3.6	15:39	8.96	8.21	32.77	28.38	4.0	6.1
B3	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	15:17	9.59	8.27	33.09	28.69	3.6	6.7
B3	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	15:17	9.55	8.26	33.15	28.71	3.6	5.6
B3	20241028	Cloudy	Moderate	Mid-Flood	Bottom	3.8	15:16	9.62	8.26	33.04	28.71	4.1	6.6
B3	20241028	Cloudy	Moderate	Mid-Flood	Bottom	3.8	15:16	9.59	8.26	33.04	28.69	4.1	5.9
B4	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	15:30	9.37	8.25	32.89	28.34	3.9	5.7
B4	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	15:30	9.42	8.22	33	28.35	3.8	5.3
B4	20241028	Cloudy	Moderate	Mid-Flood	Bottom	4.1	15:29	9.34	8.22	33.01	28.36	4.4	5.8
B4	20241028	Cloudy	Moderate	Mid-Flood	Bottom	4.1	15:29	9.35	8.23	33	28.33	4.4	5.5
C1A	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	14:57	8.38	8.14	31.46	28.76	4.7	4.9
C1A	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	14:57	8.39	8.15	31.3	28.73	4.7	5.4
C1A	20241028	Cloudy	Moderate	Mid-Flood	Middle	5.3	14:56	8.35	8.11	31.49	28.71	4.9	5.8
C1A	20241028	Cloudy	Moderate	Mid-Flood	Middle	5.3	14:56	8.37	8.14	31.34	28.69	4.9	5.7

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
C1A	20241028	Cloudy	Moderate	Mid-Flood	Bottom	9.6	14:55	8.4	8.1	31.37	28.72	5.2	6
C1A	20241028	Cloudy	Moderate	Mid-Flood	Bottom	9.6	14:55	8.33	8.12	31.27	28.69	5.1	5.3
C2A	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	14:57	9.08	8.25	32.09	28.41	5.3	5.7
C2A	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	14:57	9.16	8.25	32.13	28.41	5.3	5.6
C2A	20241028	Cloudy	Moderate	Mid-Flood	Middle	6	14:56	9.1	8.25	31.94	28.42	5.4	5.8
C2A	20241028	Cloudy	Moderate	Mid-Flood	Middle	6	14:56	9.09	8.27	32.15	28.4	5.6	5.7
C2A	20241028	Cloudy	Moderate	Mid-Flood	Bottom	11	14:55	9.03	8.23	32.09	28.45	5.9	5.2
C2A	20241028	Cloudy	Moderate	Mid-Flood	Bottom	11	14:55	9.11	8.22	32.16	28.43	5.9	6.2
CR1	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	16:32	9.17	8.07	32.46	28.32	3.5	5.6
CR1	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	16:32	9.09	8.1	32.4	28.31	3.5	6.7
CR1	20241028	Cloudy	Moderate	Mid-Flood	Middle	6.05	16:31	9.15	8.13	32.34	28.3	3.7	5.2
CR1	20241028	Cloudy	Moderate	Mid-Flood	Middle	6.05	16:31	9.14	8.13	32.38	28.29	3.8	6.4
CR1	20241028	Cloudy	Moderate	Mid-Flood	Bottom	11.1	16:30	9.1	8.13	32.3	28.31	4.0	5.8
CR1	20241028	Cloudy	Moderate	Mid-Flood	Bottom	11.1	16:30	9.16	8.1	32.45	28.31	4.1	5.5
CR2	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	16:18	8.15	8.2	32.34	28.42	4.0	6.2
CR2	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	16:18	8.16	8.17	32.43	28.38	4.0	5.4
CR2	20241028	Cloudy	Moderate	Mid-Flood	Middle	5.55	16:17	8.11	8.2	32.38	28.36	4.1	5
CR2	20241028	Cloudy	Moderate	Mid-Flood	Middle	5.55	16:17	8.11	8.14	32.51	28.41	4.3	5.9
CR2	20241028	Cloudy	Moderate	Mid-Flood	Bottom	10.1	16:16	8.17	8.2	32.39	28.42	4.5	6.4
CR2	20241028	Cloudy	Moderate	Mid-Flood	Bottom	10.1	16:16	8.23	8.16	32.39	28.37	4.5	5.7
F1A	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	16:05	8.72	8.28	32.47	28.72	3.4	5.4
F1A	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	16:05	8.71	8.3	32.29	28.72	3.4	8.7
F1A	20241028	Cloudy	Moderate	Mid-Flood	Middle	4.4	16:04	8.58	8.32	32.43	28.73	3.7	5.5
F1A	20241028	Cloudy	Moderate	Mid-Flood	Middle	4.4	16:04	8.65	8.3	32.28	28.73	3.7	5.5
F1A	20241028	Cloudy	Moderate	Mid-Flood	Bottom	7.8	16:03	8.6	8.27	32.28	28.7	3.9	5.8
F1A	20241028	Cloudy	Moderate	Mid-Flood	Bottom	7.8	16:03	8.64	8.32	32.42	28.76	3.9	5.3
H1	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	16:02	9.05	8.08	31.98	28.58	3.9	5
H1	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	16:02	9.05	8.08	31.98	28.52	3.9	6.3
H1	20241028	Cloudy	Moderate	Mid-Flood	Middle	4.05	16:01	9	8.07	31.9	28.56	4.1	5.3
H1	20241028	Cloudy	Moderate	Mid-Flood	Middle	4.05	16:01	9.04	8.09	32.02	28.59	4.2	6.1
H1	20241028	Cloudy	Moderate	Mid-Flood	Bottom	7.1	16:00	9.01	8.11	31.93	28.58	4.5	5.4
H1	20241028	Cloudy	Moderate	Mid-Flood	Bottom	7.1	16:00	9.15	8.1	31.93	28.52	4.4	5.3
M1	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	16:39	8.13	8.12	33.09	28.25	3.7	6.5
M1	20241028	Cloudy	Moderate	Mid-Flood	Surface	1	16:39	8.16	8.17	33.12	28.26	3.7	6.4
M1	20241028	Cloudy	Moderate	Mid-Flood	Middle	4	16:38	8.08	8.13	33.16	28.29	3.9	5.8
M1	20241028	Cloudy	Moderate	Mid-Flood	Middle	4	16:38	8.13	8.16	33.23	28.3	4.0	6.5
M1	20241028	Cloudy	Moderate	Mid-Flood	Bottom	7	16:37	8.17	8.13	33.1	28.29	4.3	6
M1	20241028	Cloudy	Moderate	Mid-Flood	Bottom	7	16:37	8.11	8.11	33.06	28.31	4.3	7
B1	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:00	9.95	8.35	35.15	27.68	3.4	5.2
B1	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:00	9.83	8.35	35.26	27.66	3.3	5.1
B1	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	09:59	9.91	8.38	35.2	27.63	3.2	6.3

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
B1	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	4.1	09:59	9.75	8.38	35.4	27.69	2.9	4.8
B2	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:20	9.21	8.37	34.63	27.91	4.3	5.7
B2	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:20	9.24	8.38	34.65	27.91	4.8	7
B2	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	4.8	10:19	9.35	8.34	34.58	27.9	4.1	5.9
B2	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	4.8	10:19	9.55	8.41	34.48	27.91	4.5	6.1
B3	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	09:54	9.45	8.34	34.33	27.67	4.5	6.1
B3	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	09:54	9.53	8.36	34.31	27.73	4.3	6.9
B3	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	3.5	09:53	9.53	8.33	34.55	27.74	4.3	5.5
B3	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	3.5	09:53	9.51	8.35	34.37	27.73	4.0	6
B4	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:09	9.5	8.4	34.37	27.5	4.1	4.7
B4	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:09	9.5	8.4	34.37	27.42	4.0	6
B4	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	10:08	9.37	8.39	34.34	27.42	4.2	5.3
B4	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	10:08	9.51	8.41	34.49	27.45	4.0	6.6
C1A	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	09:35	9.78	8.28	34.58	27.67	7.2	6.3
C1A	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	09:35	9.79	8.29	34.57	27.59	7.4	7.1
C1A	20241030	Cloudy	Moderate	Mid-Ebb	Middle	4.85	09:34	9.78	8.3	34.5	27.59	7.0	6.7
C1A	20241030	Cloudy	Moderate	Mid-Ebb	Middle	4.85	09:34	9.75	8.31	34.34	27.69	6.8	7.2
C1A	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	8.7	09:33	9.83	8.27	34.4	27.66	7.1	6.2
C1A	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	8.7	09:33	9.75	8.29	34.54	27.59	6.9	5.9
C2A	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	09:36	8.79	8.42	33.28	27.73	5.9	7.4
C2A	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	09:36	8.83	8.44	33.45	27.75	5.7	6.5
C2A	20241030	Cloudy	Moderate	Mid-Ebb	Middle	6.2	09:35	8.77	8.38	33.35	27.77	6.2	8.6
C2A	20241030	Cloudy	Moderate	Mid-Ebb	Middle	6.2	09:35	8.76	8.4	33.42	27.7	6.0	7
C2A	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	11.4	09:34	8.82	8.37	33.31	27.74	6.1	7.1
C2A	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	11.4	09:34	8.9	8.38	33.56	27.75	6.2	6
CR1	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	11:09	8.37	8.37	32.9	27.85	4.5	6.2
CR1	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	11:09	8.45	8.39	33.03	27.84	4.1	6
CR1	20241030	Cloudy	Moderate	Mid-Ebb	Middle	6.75	11:08	8.45	8.38	33	27.87	3.6	5.9
CR1	20241030	Cloudy	Moderate	Mid-Ebb	Middle	6.75	11:08	8.37	8.41	32.94	27.78	3.9	5.1
CR1	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	12.5	11:07	8.37	8.36	33.03	27.85	4.0	6
CR1	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	12.5	11:07	8.44	8.37	33.08	27.79	3.8	5.7
CR2	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:57	8.35	8.25	34.84	27.93	5.9	5.7
CR2	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:57	8.38	8.27	34.6	27.93	6.0	6.3
CR2	20241030	Cloudy	Moderate	Mid-Ebb	Middle	5.8	10:56	8.38	8.26	34.81	27.89	6.0	5.5
CR2	20241030	Cloudy	Moderate	Mid-Ebb	Middle	5.8	10:56	8.4	8.27	34.83	27.94	5.7	5
CR2	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	10.6	10:55	8.37	8.26	34.68	27.91	5.0	7
CR2	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	10.6	10:55	8.37	8.28	34.87	27.95	5.3	6.7
F1A	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:44	8.4	8.41	33.99	27.46	4.0	6.4
F1A	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:44	8.36	8.42	33.87	27.48	3.8	5.5
F1A	20241030	Cloudy	Moderate	Mid-Ebb	Middle	4.5	10:43	8.42	8.39	33.88	27.52	3.5	5.8
F1A	20241030	Cloudy	Moderate	Mid-Ebb	Middle	4.5	10:43	8.41	8.43	33.8	27.47	3.3	6

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
F1A	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	8	10:42	8.37	8.41	33.86	27.47	3.4	5.4
F1A	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	8	10:42	8.37	8.42	34.06	27.5	3.2	6.1
H1	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:40	9.17	8.46	34.19	27.88	4.3	7.3
H1	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	10:40	9.04	8.51	34.17	27.79	4.8	6.4
H1	20241030	Cloudy	Moderate	Mid-Ebb	Middle	3.9	10:39	9.11	8.45	34.1	27.84	4.4	5.3
H1	20241030	Cloudy	Moderate	Mid-Ebb	Middle	3.9	10:39	9.05	8.46	34.16	27.8	4.1	6.8
H1	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	10:38	9.15	8.48	34.16	27.83	4.0	5.9
H1	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	10:38	9.07	8.49	34.21	27.79	4.0	5.8
M1	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	11:18	9.37	8.38	34.47	27.65	5.9	5.3
M1	20241030	Cloudy	Moderate	Mid-Ebb	Surface	1	11:18	9.22	8.4	34.39	27.62	6.3	6.8
M1	20241030	Cloudy	Moderate	Mid-Ebb	Middle	4.4	11:17	9.29	8.36	34.26	27.62	5.4	4.7
M1	20241030	Cloudy	Moderate	Mid-Ebb	Middle	4.4	11:17	9.3	8.4	34.23	27.64	5.3	4.9
M1	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	7.8	11:16	9.28	8.35	34.19	27.6	5.4	5.6
M1	20241030	Cloudy	Moderate	Mid-Ebb	Bottom	7.8	11:16	9.28	8.36	34.43	27.64	6.0	6
B1	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	15:57	8.97	8.42	33.46	27.43	3.7	8.6
B1	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	15:57	9.07	8.43	33.61	27.49	3.5	8.2
B1	20241030	Cloudy	Moderate	Mid-Flood	Bottom	4.1	15:56	9	8.37	33.38	27.47	4.1	13
B1	20241030	Cloudy	Moderate	Mid-Flood	Bottom	4.1	15:56	8.97	8.39	33.51	27.5	3.7	10
B2	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	16:15	9	8.47	34.9	27.64	4.0	5.3
B2	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	16:15	9.05	8.5	34.88	27.61	4.1	9.5
B2	20241030	Cloudy	Moderate	Mid-Flood	Bottom	4.2	16:14	9.15	8.47	34.64	27.69	3.7	8.9
B2	20241030	Cloudy	Moderate	Mid-Flood	Bottom	4.2	16:14	9.14	8.5	34.66	27.65	3.8	8.5
B3	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	15:53	10.25	8.4	33.48	27.86	3.9	10.3
B3	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	15:53	10.19	8.32	33.86	27.78	3.9	8.6
B3	20241030	Cloudy	Moderate	Mid-Flood	Bottom	3.5	15:52	10.26	8.39	33.65	27.84	3.3	8.5
B3	20241030	Cloudy	Moderate	Mid-Flood	Bottom	3.5	15:52	10.18	8.34	33.59	27.87	3.7	9.5
B4	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	16:05	9.73	8.24	34.11	27.47	3.4	7.9
B4	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	16:05	9.76	8.2	34.18	27.54	3.4	6.5
B4	20241030	Cloudy	Moderate	Mid-Flood	Bottom	4.3	16:04	9.71	8.27	34.11	27.43	3.0	6.8
B4	20241030	Cloudy	Moderate	Mid-Flood	Bottom	4.3	16:04	9.85	8.19	34.47	27.53	2.9	5.8
C1A	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	15:32	8.8	8.1	34.72	27.63	6.8	6.4
C1A	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	15:32	8.81	8.11	34.93	27.64	6.4	5.5
C1A	20241030	Cloudy	Moderate	Mid-Flood	Middle	6	15:31	8.73	8.1	35.02	27.62	6.6	5.4
C1A	20241030	Cloudy	Moderate	Mid-Flood	Middle	6	15:31	8.72	8.11	34.8	27.61	5.8	5.1
C1A	20241030	Cloudy	Moderate	Mid-Flood	Bottom	11	15:30	8.8	8.11	35.04	27.7	5.4	5
C1A	20241030	Cloudy	Moderate	Mid-Flood	Bottom	11	15:30	8.69	8.12	35.02	27.66	6.0	6
C2A	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	15:32	8.91	8.31	34.54	27.81	7.2	5.1
C2A	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	15:32	8.98	8.35	34.38	27.89	7.6	6.3
C2A	20241030	Cloudy	Moderate	Mid-Flood	Middle	6	15:31	8.99	8.36	34.58	27.81	7.0	5.8
C2A	20241030	Cloudy	Moderate	Mid-Flood	Middle	6	15:31	9.01	8.37	34.66	27.91	6.3	5.5
C2A	20241030	Cloudy	Moderate	Mid-Flood	Bottom	11	15:30	8.92	8.31	34.34	27.88	6.7	5.8

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) Note 1	SS (mg/L)
C2A	20241030	Cloudy	Moderate	Mid-Flood	Bottom	11	15:30	9.03	8.34	34.56	27.87	7.0	5.5
CR1	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	17:04	8.32	8.45	33.65	27.67	6.5	4.4
CR1	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	17:04	8.36	8.49	33.71	27.69	5.8	4.8
CR1	20241030	Cloudy	Moderate	Mid-Flood	Middle	6.4	17:03	8.36	8.48	33.94	27.68	6.1	5.2
CR1	20241030	Cloudy	Moderate	Mid-Flood	Middle	6.4	17:03	8.25	8.5	33.83	27.68	5.4	4.2
CR1	20241030	Cloudy	Moderate	Mid-Flood	Bottom	11.8	17:02	8.37	8.45	33.72	27.68	5.3	5.7
CR1	20241030	Cloudy	Moderate	Mid-Flood	Bottom	11.8	17:02	8.37	8.53	33.86	27.74	5.5	5.2
CR2	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	16:55	9.46	8.23	32.86	27.68	5.2	5
CR2	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	16:55	9.59	8.18	32.47	27.72	5.0	6.1
CR2	20241030	Cloudy	Moderate	Mid-Flood	Middle	5.9	16:54	9.62	8.15	32.63	27.69	5.4	4.6
CR2	20241030	Cloudy	Moderate	Mid-Flood	Middle	5.9	16:54	9.45	8.21	32.63	27.67	4.7	4.1
CR2	20241030	Cloudy	Moderate	Mid-Flood	Bottom	10.8	16:53	9.46	8.18	32.51	27.68	4.3	4.2
CR2	20241030	Cloudy	Moderate	Mid-Flood	Bottom	10.8	16:53	9.51	8.19	32.68	27.63	4.5	5.4
F1A	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	16:35	9.78	8.43	33.16	27.84	2.9	7.6
F1A	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	16:35	9.62	8.46	33.55	27.79	2.9	4.9
F1A	20241030	Cloudy	Moderate	Mid-Flood	Middle	4.3	16:34	9.73	8.43	33.18	27.76	2.4	3.8
F1A	20241030	Cloudy	Moderate	Mid-Flood	Middle	4.3	16:34	9.8	8.47	33.55	27.78	2.5	4.5
F1A	20241030	Cloudy	Moderate	Mid-Flood	Bottom	7.6	16:33	9.78	8.44	33.2	27.8	2.5	4.8
F1A	20241030	Cloudy	Moderate	Mid-Flood	Bottom	7.6	16:33	9.61	8.46	33.37	27.81	2.4	3.8
H1	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	16:37	9.33	8.37	34.4	27.59	4.8	7.2
H1	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	16:37	9.38	8.32	34.28	27.56	4.8	7.8
H1	20241030	Cloudy	Moderate	Mid-Flood	Middle	4.1	16:36	9.33	8.36	34.56	27.53	4.1	4.8
H1	20241030	Cloudy	Moderate	Mid-Flood	Middle	4.1	16:36	9.44	8.36	34.37	27.53	4.5	5.2
H1	20241030	Cloudy	Moderate	Mid-Flood	Bottom	7.2	16:35	9.4	8.33	34.56	27.58	3.9	6.9
H1	20241030	Cloudy	Moderate	Mid-Flood	Bottom	7.2	16:35	9.39	8.31	34.3	27.59	3.8	6
M1	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	17:14	9.55	8.2	32.94	27.55	4.6	11.5
M1	20241030	Cloudy	Moderate	Mid-Flood	Surface	1	17:14	9.58	8.2	32.76	27.57	4.1	10.6
M1	20241030	Cloudy	Moderate	Mid-Flood	Middle	3.75	17:13	9.52	8.25	33.06	27.54	4.1	11.4
M1	20241030	Cloudy	Moderate	Mid-Flood	Middle	3.75	17:13	9.53	8.26	32.86	27.54	3.9	10.6
M1	20241030	Cloudy	Moderate	Mid-Flood	Bottom	6.5	17:12	9.49	8.27	32.94	27.55	3.3	9.6
M1	20241030	Cloudy	Moderate	Mid-Flood	Bottom	6.5	17:12	9.54	8.19	32.71	27.49	3.6	8.2

Remark:

Note 1: Measurements of turbidity would be rounding to 0.1 NTU for proven accuracy as per the equipment specs during utilization of data.

# Appendix E HOKLAS Laboratory Certificate

Integrated Waste Management Facilities, Phase 1



Hong Kong Accreditation Service 香港認可處

# Certificate of Accreditation 認可證書

This is to certify that 特此證明

## ALS TECHNICHEM (HK) PTY LIMITED

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, New Territories, Hong Kong 香港新界葵涌永業街1-3號忠信針織中心11樓

has been accepted by the HKAS Executive, on the recommendation of the Accreditation Advisory Board, as a 為香港認可處執行機關根據認可證詞委員會建議而接受的

#### HOKLAS Accredited Laboratory 「香港實驗所認可計劃」認可實驗所

This laboratory meets the requirements of ISO / IEC 17025 : 2005 – General requirements for the competence 此實驗所符合ISO / IEC 17025 : 2005 – 《測試及校正實驗所能力的通用規定》所訂的要求。 of testing and calibration laboratories and it has been accredited for performing specific tests or calibrations as 獲認可進行載於香港實驗所認可計劃《認可實驗所名冊》內下這測試類別中的指定 listed in the HOKLAS Directory of Accredited Laboratories within the test category of 測試或校正工作

> Environmental Testing 環境測試

This laboratory is accredited in accordance with the recognized international Standard ISO / IEC 17025 : 2005. 本實驗所乃相違公認的國際標準 ISO / IEC 17025 : 2005 獲得證可。 This accreditation demonstrates technical compatence for a defined scope and the operation of a laboratory 道項證可資格源示在指定範疇所需的技術能力及實驗所質量管理關系的運作 quality management system (see joint IAF-ILAC-ISO Computingue). (見國際認可論權、國際實驗所認可合作證職及國際標準化組織的融合公報)。

The common seal of the Hong Kong Accreditation Service is affixed hereto by the authority of the HKAS Executive 香港認可處執行機關的權限在此蓋上通用印章

CHAN Sing Sing, Terence, Executive Administrator 執行幹事 陳成城 Issue Date: 5 May 2009 簽發日期:二零零九年五月五日

Registration Number: HOKLAS 066 註冊號碼:



Date of First Registration: 15 September 1995 首次註冊日期:一九九五年九月十五日

This certilicate is issued sobject to the torms and conditions laid down by HKAS 本證書按照香港認可處訂立的條款及條件發出 L 000552

# Appendix F Water Quality Equipment Calibration Certificate



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#### **PART A - CUSTOMER INFORMATION**

Acuity Sustainability Consulting Limited Unit E, 12/F, Ford Glory Plaza 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

#### **PART B - SAMPLE INFORMATION**

Name of Equipment :	YSI ProDSS Multi Parameters
Manufacturer :	YSI
Serial Number :	22C106561
Date of Received :	26 September 2024
Date of Calibration :	27 September 2024
Date of Next Calibration :	26 December 2024
Request No. :	D-BD090078

#### PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Test Parameter</u>	Reference Method
pH value	APHA 21e 4500-H ⁺ B
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 23e 4500-O G (Membrane Electrode Method)
Turbidity	APHA 21e 2130 B (Nephelometric Method)

#### **PART D - CALIBRATION RESULT**

#### (1) pH value

Target ( pH unit )	Display Reading ( pH unit )	Tolerance	Result
4.00	4.03	0.03	Satisfactory
7.42	7.49	0.07	Satisfactory
10.01	10.07	0.06	Satisfactory

Tolerance of pH value should be less than  $\pm 0.2$  ( pH unit )

#### (2) Temperature

Reading of Ref. thermometer ( °C )	Display Reading ( °C )	Tolerance	Result
17.0	15.6	-1.4	Satisfactory
28.0	26.2	-1.8	Satisfactory
32.5	30.7	-1.8	Satisfactory

Tolerance of Temperature should be less than  $\pm$  2.0 ( °C )

#### (3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance ( % )	Result
10	10.11	1.10	Satisfactory
20	20.59	2.95	Satisfactory
30	31.25	4.17	Satisfactory

Tolerance of Salinity should be less than  $\pm$  10.0 ( % )

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LEE Chun-ning Assistant Manager

AUTHORIZED SIGNATORY:



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#### (4) Dissolved oxygen

Expected Reading ( mg/L )	Display Reading ( mg/L )	Tolerance	Result
7.37	7.35	-0.02	Satisfactory
5.56	5.49	-0.07	Satisfactory
2.30	2.58	0.28	Satisfactory
0.20	0.39	0.19	Satisfactory

Tolerance of Dissolved oxygen should be less than  $\pm 0.5$  ( mg/L )

#### (5) Turbidity

Expected Reading (NTU)	Display Reading ( NTU )	Tolerance ( % )	Result (a)
0	0.75		Satisfactory
10	10.92	9.2	Satisfactory
20	21.08	5.4	Satisfactory
100	102.32	2.3	Satisfactory
800	786.90	-1.6	Satisfactory

(a) For 0 NTU, Display Reading should be less than 1 NTU

#### Remark(s)

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

--- END OF REPORT ---



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**PART A - CUSTOMER INFORMATION** 

Acuity Sustainability Consulting Limited

Unit E, 12/F, Ford Glory Plaza 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

#### **PART B - SAMPLE INFORMATION**

Name of Equipment :	YSI ProDSS Multi Parameters
Manufacturer :	YSI
Serial Number :	22D100436
Date of Received :	17 October 2024
Date of Calibration :	21 October 2024
Date of Next Calibration :	20 January 2025
Request No. :	D-BD100074

### PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Test Parameter</u>	Reference Method
pH value	APHA 21e 4500-H+ B
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 23e 4500-O G (Membrane Electrode Method)
Turbidity	APHA 21e 2130 B (Nephelometric Method)

### **PART D - CALIBRATION RESULT**

#### (1) pH value

Target ( pH unit )	Display Reading ( pH unit )	Tolerance	Result
4.00	4.02	0.02	Satisfactory
7.42	7.59	0.17	Satisfactory
10.01	10.19	0.18	Satisfactory

Tolerance of pH value should be less than  $\pm$  0.2 ( pH unit )

#### (2) Temperature

Reading of Ref. thermometer ( °C )	Display Reading ( °C )	Tolerance	Result
16.0	16.1	0.1	Satisfactory
25.5	25.0	-0.5	Satisfactory
40.0	39.6	-0.4	Satisfactory

Tolerance of Temperature should be less than  $\pm$  2.0 ( °C )

#### (3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance ( % )	Result
10	9.59	-4.1	Satisfactory
20	19.72	-1.4	Satisfactory
30	30.22	0.7	Satisfactory

Tolerance of Salinity should be less than  $\pm$  10.0 ( % )

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LEE Chun-ning Assistant Manager

AUTHORIZED SIGNATORY:



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#### (4) Dissolved oxygen

Expected Reading ( mg/L )	Display Reading ( mg/L )	Tolerance	Result
7.41	7.78	0.37	Satisfactory
5.61	5.21	-0.40	Satisfactory
3.49	3.54	0.05	Satisfactory
0.56	0.11	-0.45	Satisfactory

Tolerance of Dissolved oxygen should be less than  $\pm$  0.5 ( mg/L )

#### (5) Turbidity

Expected Reading (NTU)	Display Reading ( NTU )	Tolerance ^(a) (%)	Result
0	0.54		Satisfactory
10	9.68	-3.2	Satisfactory
20	18.75	-6.3	Satisfactory
100	91.88	-8.1	Satisfactory
800	736.64	-7.9	Satisfactory

Tolerance of Turbidity should be less than  $\pm$  10.0 ( % )

(a) For 0 NTU, Display Reading should be less than 1 NTU

#### Remark(s)

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

--- END OF REPORT ---



Test Report No. Date of Issue Page No. : R-BD080044 : 16 August 2024 : 1 of 2

#### **PART A - CUSTOMER INFORMATION**

Acuity Sustainability Consulting Limited

Unit E, 12/F, Ford Glory Plaza 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

#### **PART B - SAMPLE INFORMATION**

Name of Equipment :	YSI ProDSS Multi Parameters
Manufacturer :	YSI
Serial Number :	24G101659
Date of Received :	15 August 2024
Date of Calibration :	16 August 2024
Date of Next Calibration :	16 November 2024
Request No. :	D-BD080044

## PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
pH value	APHA 21e 4500-H ⁺ B
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 23e 4500-O G (Membrane Electrode Method)
Oxidation-Reduction Potential	APHA 22e 2580 B
Turbidity	APHA 21e 2130 B (Nephelometric Method)

## **PART D - CALIBRATION RESULT**

### (1) pH value

Target ( pH unit )	Display Reading ( pH unit )	Tolerance	Result
4.00	3.96	-0.04	Satisfactory
7.42	7.32	-0.10	Satisfactory
10.01	9.95	-0.06	Satisfactory

Tolerance of pH value should be less than  $\pm$  0.2 ( pH unit )

#### (2) Temperature

Reading of Ref. thermometer ( °C )	Display Reading ( °C )	Tolerance	Result
18.0	17.8	-0.2	Satisfactory
26.0	25.2	-0.8	Satisfactory
32.0	31.0	-1.0	Satisfactory

Tolerance of Temperature should be less than  $\pm$  2.0 (  $^{\circ}C$  )

#### (3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.75	-2.50	Satisfactory
20	19.76	-1.20	Satisfactory
30	29.92	-0.27	Satisfactory

Tolerance of Salinity should be less than  $\pm$  10.0 ( % )

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Chun-ning Assistant Manager

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#### (4) Dissolved oxygen

Expected Reading ( mg/L )	Display Reading ( mg/L )	Tolerance	Result
8.09	8.17	0.08	Satisfactory
7.53	7.97	0.44	Satisfactory
6.52	6.55	0.03	Satisfactory
0.72	1.05	0.33	Satisfactory

Tolerance of Dissolved oxygen should be less than  $\pm$  0.5 ( mg/L )

#### (5) Oxidation-Reduction Potential

Expected Reading	Display Reading	Tolerance	Result
229	225.4	-3.6	Satisfactory

Tolerance of Oxidation-Reduction Potential should be less than  $\pm\,10.0$  ( mV )

#### (6) Turbidity

Expected Reading (NTU)	Display Reading ( NTU )	Tolerance ^(a) (%)	Result
0	0.40		
10	9.24	-7.6	Satisfactory
20	19.63	-1.9	Satisfactory
100	94.80	-5.2	Satisfactory
800	738.22	-7.7	Satisfactory

Tolerance of Turbidity should be less than  $\pm$  10.0 ( % )

^(a) For 0 NTU, Display Reading should be less than 1 NTU

#### 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 ---



Test Report No. Date of Issue Page No. : R-BD080045 : 16 August 2024 : 1 of 2

#### **PART A - CUSTOMER INFORMATION**

Acuity Sustainability Consulting Limited

Unit E, 12/F, Ford Glory Plaza 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

#### **PART B - SAMPLE INFORMATION**

Name of Equipment :	YSI ProDSS Multi Parameters	
Manufacturer :	YSI	
Serial Number :	24G101660	
Date of Received :	15 August 2024	
Date of Calibration :	16 August 2024	
Date of Next Calibration :	16 November 2024	
Request No. :	D-BD080045	

### PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
pH value	APHA 21e 4500-H ⁺ B
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 23e 4500-O G (Membrane Electrode Method)
Oxidation-Reduction Potential	APHA 22e 2580 B
Turbidity	APHA 21e 2130 B (Nephelometric Method)

# PART D - CALIBRATION RESULT

### (1) pH value

Target ( pH unit )	Display Reading ( pH unit )	Tolerance	Result
4.00	4.05	0.05	Satisfactory
7.42	7.41	-0.01	Satisfactory
10.01	10.00	-0.01	Satisfactory

Tolerance of pH value should be less than  $\pm$  0.2 ( pH unit )

### (2) Temperature

Reading of Ref. thermometer ( $^{\circ}C$ )	Display Reading ( °C )	Tolerance	Result
18.0	17.3	-0.7	Satisfactory
26.0	24.5	-1.5	Satisfactory
32.0	31.6	-0.4	Satisfactory

Tolerance of Temperature should be less than  $\pm$  2.0 (  $^{\circ}C$  )

#### (3) Salinity

Expected Reading (g/L)	Display Reading ( g/L )	Tolerance ( % )	Result
10	10.73	7.30	Satisfactory
20	21.86	9.30	Satisfactory
30	32.09	6.97	Satisfactory

Tolerance of Salinity should be less than  $\pm$  10.0 ( % )

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Chun-ning Assistant Manager



## **REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION**

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#### (4) Dissolved oxygen

Expected Reading ( mg/L )	Display Reading ( mg/L )	Tolerance	Result
8.09	8.18	0.09	Satisfactory
7.53	7.89	0.36	Satisfactory
6.52	6.27	-0.25	Satisfactory
1.92	1.57	-0.35	Satisfactory

Tolerance of Dissolved oxygen should be less than  $\pm$  0.5 ( mg/L )

### (5) Oxidation-Reduction Potential

Expected Reading	<b>Display Reading</b>	Tolerance	Result
229	224.5	-4.5	Satisfactory

Tolerance of Oxidation-Reduction Potential should be less than  $\pm$  10.0 ( mV )

#### (6) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance ^(a) (%)	Result
0	0.59		
10	10.27	2.7	Satisfactory
20	- 19.59	-2.1	Satisfactory
100	93.87	-6.1	Satisfactory
800	723.00	-9.6	Satisfactory

Tolerance of Turbidity should be less than  $\pm$  10.0 (%)

(a) For 0 NTU, Display Reading should be less than 1 NTU

#### 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 ---

Appendix G Event / Action Plan for Water Quality Exceedance

Event		Act	ion	
	ET	IEC	SO	Contractor
Action level being exceeded by one sampling day	Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; Repeat measurement on next day of exceedance. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the SO accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the SO and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and SO within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Action level being exceeded by more than one consecutive sampling days	Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; Ensure mitigation measures are implemented; Prepare to increase the monitoring frequency to daily; Repeat measurement on next working day of exceedance. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the SO accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)	Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)	Inform the SO and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and SO within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1

Keppel Seghers – Zhen Hua Joint Venture

Event	Action								
	ET	IEC	SO	Contractor					
Limit level	Inform the SO and confirm	Discuss with ET and	Discuss with IEC, ET and	Inform the SO and confirm					
being exceeded	notification of the non-	Contractor on the mitigation	Contractor on the proposed	notification of the non-					
by one	compliance in writing;	measures;	mitigation measures;	compliance in writing;					
sampling day	Rectify unacceptable practice;	Review proposals on	Request Contractor to	Rectify unacceptable practice;					
	Check all plant and	mitigation measures submitted	critically review the working	Check all plant and					
	equipment;	by Contractor and advise the	methods;	equipment;					
	Consider changes of working	SO accordingly;	Make agreement on the	Consider changes of working					
	methods;	Assess the effectiveness of	mitigation measures to be	methods;					
	Discuss with Contractor, IEC	the implemented mitigation	implemented.	Discuss with ET, IEC and SO					
	and SO and propose	measures.	Assess the effectiveness of	and propose mitigation					
	mitigation measures to IEC	(The above actions should be	the implemented measures.	measures to IEC and SO					
	and SO within 3 working days;	taken within 1 working day	(The above actions should be	within 3 working days;					
	Implement the agreed	after the exceedance is	taken within 1 working day	Implement the agreed					
	mitigation measures.	identified)	after the exceedance is	mitigation measures.					
	(The above actions should be		identified)	(The above actions should be					
	taken within 1 working day			taken within 1 working day					
	after the exceedance is			after the exceedance is					
	identified)			identified)					

Event	Action								
	ET	IEC	SO	Contractor					
Limit level	Identify source(s) of impact;	Discuss with ET and	Discuss with IEC, ET and	Inform the SO and confirm					
being exceeded	Inform IEC, Contractor and	Contractor on the mitigation	Contractor on the proposed	notification of the non-					
by more than	EPD;	measures;	mitigation measures;	compliance in writing;					
one	Check monitoring data, all	Review proposals on	Request Contractor to	Rectify unacceptable practice;					
consecutive	plant, equipment and	mitigation measures submitted	critically review the working	Check all plant and					
sampling days	Contractor's working methods.	by Contractor and advise the	methods;	equipment;					
	Discuss mitigation measures	SO accordingly;	Make agreement on the	Consider changes of working					
	with IEC, SO and Contractor.	Assess the effectiveness of	mitigation measures to be	methods;					
	Ensure mitigation measures	the implemented mitigation	implemented.	Discuss with ET, IEC and SO					
	are implemented;	measures.	Assess the effectiveness of	and propose mitigation					
	Increase the monitoring	(The above actions should be	the implemented measures.	measures to IEC and SO					
	frequency to daily until no	taken within 1 working day	Consider and instruct, if	within 3 working days;					
	exceedance of Limit level for	after Limit Level being	necessary, the Contractor to	Implement the agreed					
	two consecutive days.	exceeded by two consecutive	slow down or to stop all or part	mitigation measures;					
	(The above actions should be	sampling days)	of the marine work until no	As directed by the SOR, to					
	taken within 1 working day		exceedance of Limit level.	slow down or to stop all or part					
	after Limit Level being		(The above actions should be	of the marine work or					
	exceeded by two consecutive		taken within 1 working day	construction activities.					
	sampling days)		after Limit Level being	(The above actions should be					
			exceeded by two consecutive	taken within 1 working day					
			sampling days)	after Limit Level being					
				exceeded by two consecutive					
				sampling days)					

## Appendix H Noise Monitoring Equipment Calibration Certificate

# Certificate of Calibration

## for

Description:	Sound Level Meter
Manufacturer:	SVANTEK
Type No.:	SVAN 971 (Serial No.: C132269)
Microphone:	ACO 7052E (Serial No.: 90332)
Preamplifier:	SV-18 (Serial No.: 103808)

## Submitted by:

Customer: Aurecon Hong Kong Limited Address: Unit 1608, 16/F, Tower B, Manulife Financial Centre, 223-231 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

✓ Within (31.5Hz − 4kHz)□ Outside

### the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

Calibrated by: Calibration Technician

Date of issue: 24 July 2024

Certificate No.: APJ23-155-CC003

Certified by: Mr. Ng Yan Wa Laboratory Manager

Page 1 of 4

## (A+A)*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Conditions:

Air Temperature:	23.4 °C
Air Pressure:	1005 hPa
<b>Relative Humidity:</b>	56.7 %

## 3. Calibration Equipment:

	Туре	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

## 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)				Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	ange, dB Freq. Weighting Time Weighting		Level, dB	Frequency, Hz	dB	Specification, dB	
35-138.8	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)				Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.0	Ref
35-138.8	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
35-138.8	dBA	SPL	Fast	94	1000	94.0	Ref
55-150.0	UDA	SFL	Slow	94	NO NR TESTING LAB	94.0	±0.3

Certificate No.: APJ23-155-CC003

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## Frequency Response

## Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. We	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	94.5	±2.0
					63	94.4	±1.5
		dB SPL	Fast	94	125	94.3	±1.5
35-138.8	db				250	94.4	±1.4
55-150.0	uВ				500	94.2	±1.4
					1000	94.0	Ref
				2000	93.5	±1.6	
					4000	93.3	±1.6

## A-weighting

Setting of Unit-under-test (UUT)				Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	55.2	-39.4 ±2.0
			63	68.2	-26.2±1.5		
				125	78.2	-16.1±1.5	
35-138.8	dBA	SPL	Fast	94	250	85.6	-8.6±1.4
55-156.8	UDA	SIL	rast	24	500	91.0	$-3.2 \pm 1.4$
					1000	94.0	Ref
			2000	94.7	$+1.2 \pm 1.6$		
					4000	94.4	$+1.0 \pm 1.6$

C-weighting

Sett	Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	91.5	-3.0 ±2.0
					63	93.6	-0.8±1.5
		dBC SPL	Fast	04	125	94.1	-0.2 ±1.5
35-138.8	dBC				250	94.2	-0.0 ±1.4
55-158.8	ube	SFL	rasi	94	500	94.2	-0.0 ±1.4
					1000 94.0 Ref	Ref	
				2000	93.3	$-0.2 \pm 1.6$	
					4000	92.6	-0.8±1.6



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Certificate No.: APJ23-155-CC003



## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.05
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.



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Certificate No.: APJ23-155-CC003

# Certificate of Calibration

## for

Description:	Sound Level Meter
Manufacturer:	SVANTEK
Type No.:	SVAN 971 (Serial No.: C132260)
Microphone:	ACO 7052E (Serial No.: 85230)
Preamplifier:	SVANTEK SV-18 (Serial No.: C122483)
	Submitted by:

Customer: Acuity Sustainability Consulting Limited Address: Unit E, 12/F, Ford Glory Plaza, Nos. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

✓ Within (31.5Hz - 8kHz)□ Outside

### the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 21 December 2023

Date of calibration: 22 December 2023

Date of NEXT calibration: 21 December 2024

Calibrated by: Calibration Technician

Certified by:

Mr. Ng Yan Wa Laboratory Manager

Page 1 of 4

Date of issue: 22 December 2023

Certificate No.: APJ23-091-CC007

## 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Conditions:

Air Temperature:	21.4 °C
Air Pressure:	1006 <b>hPa</b>
<b>Relative Humidity:</b>	24.7 %

## 3. Calibration Equipment:

	Туре	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV220061	HOKLAS

## 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25-124.8	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.0	Ref
25-124.8	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25-124.8	dBA	SPL	Fast	94	1000	94.0	Ref
25-124.0	uDA	SIL	Slow	94	1000	94.0	±0.3

Certificate No.: APJ23-091-CC007

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong Tel: (852) 2668 3423 Fax:(852) 2668 6946 Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com Page 2 of 4

(A+A) *L



## Frequency Response

### Linear Response

Set	ting of Unit-under-	test (UUT)	Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				31.5	94.4	±2.0
				63	94.3	±1.5
				125	94.3	±1.5
				250	94.2	±1.4
25-124.8	dB SPL	Fast	94	500	94.2	±1.4
				1000	94.0	Ref
				2000	94.0	±1.6
				4000	93.7	±1.6
				8000	90.9	+2.1; -3.1

## A-weighting

Setting of Unit-under-test (UUT)				Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	54.8	-39.4 ±2.0
					63	68.0	-26.2 ±1.5
					125	78.0	-16.1 ±1.5
					250	85.4	-8.6 ±1.4
25-124.8 dBA SPL	SPL	Fast	94	500	90.8	$-3.2 \pm 1.4$	
				-	1000	94.0	Ref
					2000	95.0	$+1.2 \pm 1.6$
					4000	94.5	$+1.0 \pm 1.6$
					8000	89.8	-1.1 +2.1; -3.1

### C-weighting

Setting of Unit-under-test (UUT)				Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dE
					31.5	91.3	-3.0 ±2.0
					63	93.4	-0.8 ±1.5
					125	93.9	-0.2 ±1.5
					250	94.0	-0.0 ±1.4
25-124.8	dBC	BC SPL	Fast	94	500	94.1	-0.0 ±1.4
					1000	94.0	Ref
				2000	93.7	-0.2 ±1.6	
					4000	92.7	-0.8 ±1.6
					8000	87.9	-3.0 +2.1; -3.1



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Certificate No.: APJ23-091-CC007

# (A+A)*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.05
	63 Hz	± 0.10
	125 Hz	± 0.05
	250 Hz	± 0.10
	500 Hz	± 0.05
	1000 Hz	$\pm$ 0.05
	2000 Hz	$\pm$ 0.05
	4000 Hz	$\pm$ 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	$\pm$ 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.

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Certificate No.: APJ23-091-CC007



# Certificate of Calibration

## for

Description:	Sound Level Meter
Manufacturer:	SVANTEK
Type No.:	SVAN 971 (Serial No.: 103482)
Microphone:	ACO 7052E (Serial No.: 90365)
Preamplifier:	SV-18 (Serial No.: 149618)

## Submitted by:

Customer:	Aurecon Hong Kong Limited
Address:	Unit 1608, 16/F, Tower B,Manulife Financial Centre,
	223-231 Wai Yip Street,
	Kwun Tong,Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

 $\checkmark$  Within (31.5Hz – 4kHz) □ Outside

the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

Calibrated by:

alibration Technician

Date of issue: 24 July 2024

Certificate No.: APJ24-043-CC001

Certified by:

Mr. Ng Yan Wa Laboratory Manager

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## (A+A)*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Conditions:

Air Temperature:	23.4 °C
Air Pressure:	1005 <b>hPa</b>
<b>Relative Humidity:</b>	56.7 %

## 3. Calibration Equipment:

	Туре	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

## 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
35-137.2	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)				Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
		-	•	94		94.0	Ref
35-137.2	dBA	SPL	Fast	104	1000	104.0	±0.3
			114		114.0	±0.3	

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25 127 2	dD A	SPL	Fast	04	1000	94.0	Ref
35-137.2	dBA	SPL	Slow	94	NO AR TESTIN	LABORA \$4.0	±0.3

Certificate No.: APJ24-043-CC001

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## Frequency Response

## Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	94.6	±2.0
				63	94.5	±1.5	
			Fast	94	125	94.4	±1.5
35-137.2	dB				250	94.3	±1.4
55-157.2	dB SPL	SFL			500	94.2	±1.4
					1000	94.0	Ref
					2000	93.4	±1.6
					4000	93.0	±1.6

## A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
			31.5	55.3	-39.4 ±2.0		
			63	68.3	-26.2±1.5		
				94	125	78.3	-16.1±1.5
35-137.2	dBA SPL	SDI	Fast		250	85.7	-8.6±1.4
55-157.2		5112	rast		500	91.0	$-3.2 \pm 1.4$
					1000	94.0	Ref
					2000	94.6	$+1.2 \pm 1.6$
					4000	94.0	$+1.0\pm1.6$

## C-weighting

Sett	ing of Uni	it-under-t	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	91.6	-3.0±2.0
					63	93.6	-0.8±1.5
					125	94.2	$-0.2 \pm 1.5$
35-137.2	dBC	SPL	Fast	94	250	94.3	-0.0±1.4
55-157.2	ube	SFL	rasi	94	500	94.2	$-0.0 \pm 1.4$
					1000	94.0	Ref
					2000	93.3	-0.2 ±1.6
					4000	92.2	-0.8±1.6



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Certificate No.: APJ24-043-CC001

# (A+A)*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	$\pm$ 0.05
	4000 Hz	± 0.05
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.



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Certificate No.: APJ24-043-CC001



# Certificate of Calibration

for

Description:	Sound Level Calibrator
Manufacturer:	RION
Type No.:	NC-75
Serial No.:	34524163

## Submitted by:

Customer: Aurecon Hong Kong Limited Address: Unit 1608, 16/F, Tower B, Manulife Financial Centre, 223-231 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

## Upon receipt for calibration, the instrument was found to be:

$\checkmark$	Within
	Outside

### the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

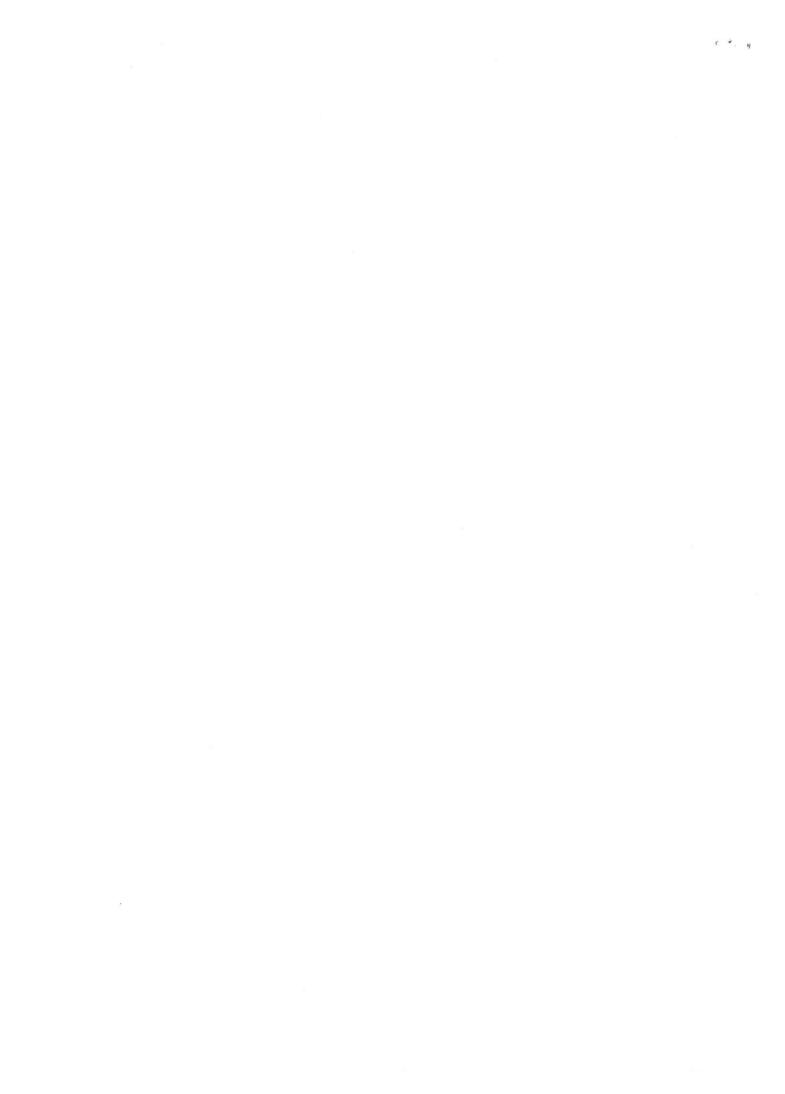
Calibrated by: Calibration Technician

Certified by: Mr. Ng Yan Wa Laboratory Manager

Date of issue: 24 July 2024

Certificate No.: APJ24-010-CC001

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong Tel: (852) 2668 3423 Fax:(852) 2668 6946 Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com Page 1 of 2



# ★ (A+A) * L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 1. Calibration Precautions:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Specifications:

Calibration check

## 3. Calibration Conditions:

Air Temperature:	23.4 °C
Air Pressure:	1005 hPa
<b>Relative Humidity:</b>	56.7 %

## 4. Calibration Equipment:

Test Equipment	Туре	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV230128	HOKLAS

## 5. Calibration Results

## 5.1 Sound Pressure Level

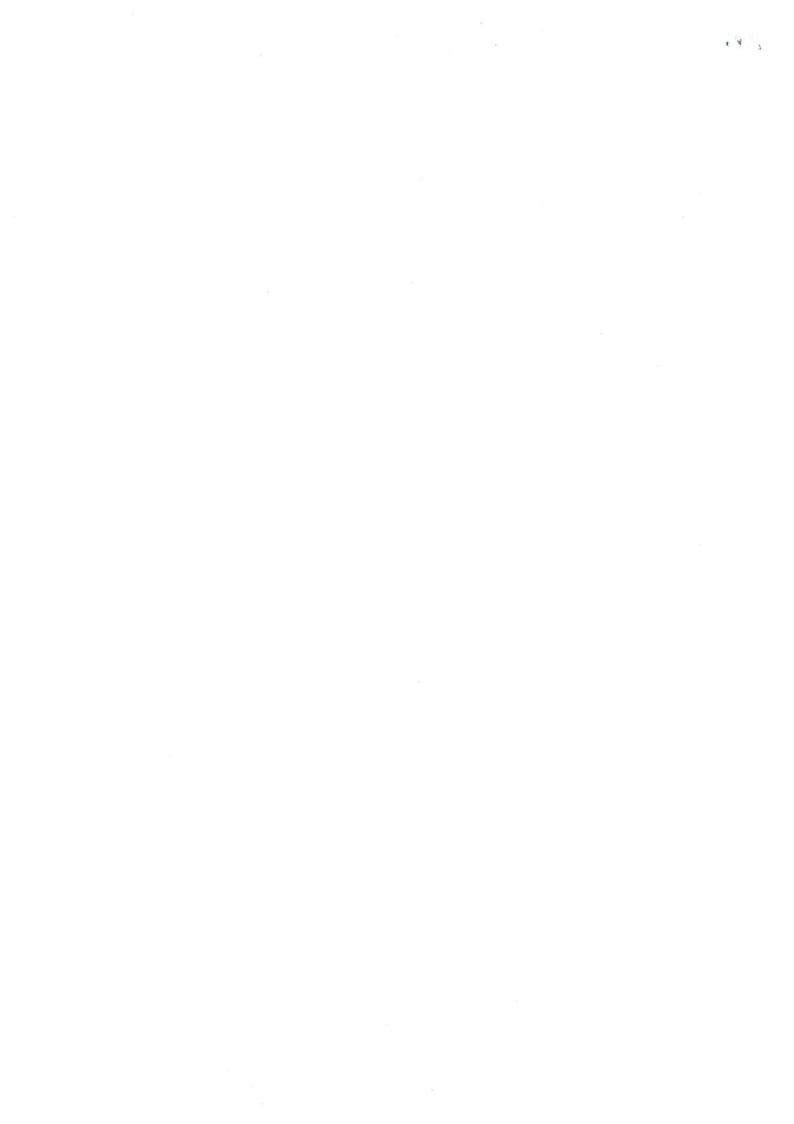
Nominal value	Accept lower level	Accept upper level	Measured value
dB	dB	dB	dB
94.0	93.6	94.4	93.9

Note:

The values given in this certification only related to the values measured at the time of the calibration.



Certificate No.: APJ24-010-CC001



## Appendix I Event / Action Plan for Noise Exceedance

Event Action	Actions to be taken by Environmental Team as immediate as practicable	Actions to be taken by Independent Environmental Checker as immediate as practicable 1. Review the investigation results	Actions to be taken by Supervising Officer's Representative as immediate as practicable 1. Confirm receipt of notification of	Actions to be taken by Contractor as immediate as practicable 1. Submit noise mitigation
Level being exceeded	2. Carry out investigation;	<ul> <li>submitted by the ET;</li> <li>Review the proposed remedial measures by the Contractor and advise the SO accordingly;</li> <li>Advise the SO on the effectiveness of the proposed remedial</li> </ul>	failure in writing;	<ul> <li>proposals to IEC and SO;</li> <li>Implement noise mitigation proposals.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ul>
exceeded	<ol> <li>Inform IEC, SO, Contractor and EPD;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency;</li> <li>Identify source and investigate the cause of exceedance;</li> <li>Carry out analysis of Contractor's working procedures;</li> <li>Discuss with the IEC, Contractor and SO on remedial measures required;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and SO informed of the results;</li> <li>If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	actions whenever necessary to assure their effectiveness and advise the SO accordingly. (The above actions should be taken within 2 working days after	<ol> <li>In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Supervise the implementation of</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC and SO within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Submit further proposal if problem still not under control;</li> <li>Stop the relevant portion of works as instructed by the SO until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>

## Appendix J Noise Monitoring Data

Location:	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1 (M1 / N_S1)
Monitoring date:	02, 07, 14, 21 and 28 October 2024 (Daytime)
	02&03, 07&08, 14&15, 21&22 and 28&29 October 2024 (Evening & Nighttime)
Parameter:	Leq 30min (Daytime), Leq 5min (Evening & Night time)
Noise source other	Nil

Noise Monitoring Data:

Date	Start time		End time	Weather	L _{eq 30min} dB(A) / L _{eq 5min} dB(A)	Sound Level Meter Used	Calibrator Used
02 Oct 2024	13:19	-	13:49	Sunny	55.5	SVAN 971 (Serial No. 103482)	Rion NC-75 (No.34524163)
02.0.4	19:14	-	19:19		49.5		Dian NO 75
02 Oct 2024	20:09	-	20:14	Fine	50.7	SVAN 971 (Serial	Rion NC-75
2024	21:39	-	21:44		46.7	No. 103482)	(No.34524163)
02.0.4	1:19	-	1:24		48.0	$\mathbf{GVAN} = 0.71 (0 \cdot 0.71)$	D' NO 75
03 Oct 2024	3:19	-	3:24	Fine	48.4	SVAN 971 (Serial	Rion NC-75
2024	5:09	-	5:14		47.6	No. 103482)	(No.34524163)
07 Oct 2024	13:31	-	14:01	Sunny	56.5	SVAN 971 (Serial No. 103482)	Rion NC-75 (No.34524163)
07.0	19:06	-	19:11		51.2	SVAN 071 (Seriel	Diam NC 75
07 Oct 2024	20:16	-	20:21	Fine	50.0	SVAN 971 (Serial No. 103482)	Rion NC-75 (No.34524163)
2024	21:16	-	21:21		47.2	NO. 103462)	(10.54524105)
08 0 **	1:26	-	1:31		47.6	SVAN 071 (Seriel	Rion NC-75
08 Oct 2024	3:21	-	3:26	Fine 45.6	SVAN 971 (Serial No. 103482)	(No.34524163)	
2024	5:16	-	5:21		48.0	INO. 103462)	(10.34324103)
14 Oct 2024	13:48	-	14:18	Sunny	56.2	SVAN 971 (Serial No. 103482)	Rion NC-75 (No.34524163)
14.0.4	19:18	-	19:23		54.9	$\mathbf{GVAN} = 0.71 (0 \cdot 0.71)$	Diam NC 75
14 Oct 2024	20:18	-	20:23	Fine	45.9	SVAN 971 (Serial	Rion NC-75
2024	21:18	-	21:23		45.8	No. 103482)	(No.34524163)
15 Oct	1:18	-	1:23		47.9	SVAN 071 (Seriel	Diam NC 75
15 Oct 2024	3:23	-	3:28	Fine	46.0	SVAN 971 (Serial	Rion NC-75
2024	5:08	-	5:13		47.5	No. 103482)	(No.34524163)
21 Oct 2024	13:26	-	13:56	Sunny	56.7	SVAN 971 (Serial No. 103482)	Rion NC-75 (No.34524163)
21 Oct	19:16	-	19:21		52.5	SVAN 071 (Seriel	Rion NC-75
21 Oct 2024	20:26	-	20:31	Fine	53.0	SVAN 971 (Serial No. 103482)	(No.34524163)
2024	21:41	-	21:46		47.4	110. 103462)	(110.34324103)
22 Oct	1:26	-	1:31	Fine	47.4	SVAN 071 (Samial	Rion NC-75
22 Oct 2024	3:31	-	3:36	Fine	46.0	SVAN 971 (Serial No. 103482)	(No.34524163)
2024	5:16	-	5:21	Fine	46.7	110. 103402)	(110.34324103)

Date	Start time		End time	Weather	L _{eq 30min} dB(A) / L _{eq 5min} dB(A)	Sound Level Meter Used	Calibrator Used
28 Oct 2024	13:36	-	14:06	Sunny	56.1	SVAN 971 (Serial No. 103482)	Rion NC-75 (No.34524163)
28.0.4	19:26	-	19:31	Fine	51.1	SVAN 071 (Seriel	Dian NC 75
28 Oct 2024	20:21	-	20:26	Fine	52.3	SVAN 971 (Serial No. 103482)	Rion NC-75 (No.34524163)
2024	21:26	-	21:31	Fine	51.9	INO. 103462)	(10.34324103)
20. Oct	1:31	-	1:36	Fine	46.2	SVAN 071 (Seriel	Dian NC 75
29 Oct 2024	3:21	-	3:26	Fine	54.0	SVAN 971 (Serial No. 103482)	Rion NC-75 (No.34524163)
2024	5:11	1	5:16	Fine	55.6	NO. 103462)	(10.34324103)

Location:	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2 (M2 / N_S2)
Monitoring date:	02, 07, 14, 21 and 28 October 2024 (Daytime)
	02&03, 07&08, 14&15, 21&22 and 28&29 October 2024 (Evening & Nighttime)
Parameter:	I (Deutime) I
Tarameter.	Leq 30min (Daytime), Leq 5min (Evening & Night time)

Noise Monitoring Data:

Date	Start time		End time	Weather	L _{eq 30min} dB(A) / L _{eq 5min} dB(A)	Sound Level Meter Used	Calibrator Used	
02 Oct 2024	13:28	-	13:58	Sunny	59.5	SVAN 971 (Serial No. C132260)	Rion NC-75 (No.34524163)	
	19:13	-	19:18	Fine	56.2			
02 Oct 2024	20:13	-	20:18	Fine	50.3	SVAN 971 (Serial No. C132260)	Rion NC-75 (No.34524163)	
	21:18	-	21:23	Fine	55.0	, ,	/	
03 Oct	1:13	-	1:18	Fine	55.3	SVAN 071 (Seriel	Rion NC-75	
2024	3:08	-	3:13	Fine	56.0	SVAN 971 (Serial		
2024	5:08	-	5:13	Fine	58.1	No. C132260)	(No.34524163)	
07 Oct 2024	13:41	-	14:11	Sunny	53.5	SVAN 971 (Serial No. C132260)	Rion NC-75 (No.34524163)	
07.0.4	19:06	-	19:11	Fine	49.4	$\mathbf{GVAN} = 0.71 (0 \cdot 0.71)$	D' NO 75	
07 Oct 2024	20:16	-	20:21	Fine	55.9	SVAN 971 (Serial	Rion NC-75	
	21:16	-	21:21	Fine	48.7	No. C132260)	(No.34524163)	
00.0	1:16	-	1:21	Fine	50.4		D: NG 75	
08 Oct	3:16	-	3:21	Fine	51.7	SVAN 971 (Serial	Rion NC-75	
2024	5:11	-	5:16	Fine	52.6	No. C132260)	(No.34524163)	
14 Oct 2024	13:32	-	14:02	Sunny	54.1	SVAN 971 (Serial No. C132260)	Rion NC-75 (No.34524163)	
14.0 /	19:17	-	19:22	Fine	55.5	$\mathbf{GVAN} = 0.71 (0 \cdot 0.71)$	Rion NC-75 (No.34524163)	
14 Oct 2024	20:17	-	20:22	Fine	50.6	SVAN 971 (Serial No. C132260)		
2024	21:22	-	21:27	Fine	50.8	NO. C152200)	(10.34324103)	
15 Oct	1:17	-	1:22	Fine	48.0	SVAN 071 (Seriel	Diam NC 75	
15 Oct 2024	3:22	-	3:27	Fine	48.7	SVAN 971 (Serial	Rion NC-75	
2024	5:07	-	5:12	Fine	48.9	No. C132260)	(No.34524163)	
21 Oct 2024	13:31	-	14:01	Sunny	53.7	SVAN 971 (Serial No. C132260)	Rion NC-75 (No.34524163)	
21.0.4	19:11	-	19:16	Fine	52.0	SVAN 071 (Seriel	Diam NC 75	
21 Oct 2024	20:26	-	20:31	Fine	55.4	SVAN 971 (Serial	Rion NC-75	
2024	21:41	-	21:46	Fine	49.6	No. C132260)	(No.34524163)	
22 Oct	1:26	-	1:31	Fine	47.5	CUAN 071 (Cariel	Dian NC 75	
22 Oct	3:31	-	3:36	Fine	47.7	SVAN 971 (Serial No. C132260)		
2024	5:16	-	5:21	Fine	47.5	100. C152200)	(No.34524163)	

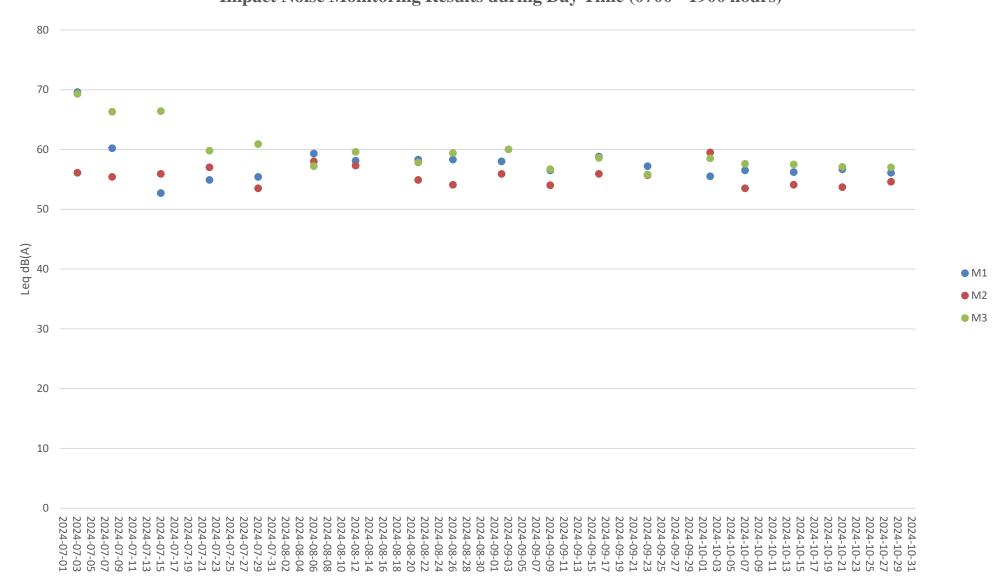
Date	Start time		End time	Weather	L _{eq 30min} dB(A) / L _{eq 5min} dB(A)	Sound Level Meter Used	Calibrator Used	
28 Oct 2024	13:39	-	14:09	Sunny	54.6	SVAN 971 (Serial No. C132260)	Rion NC-75 (No.34524163)	
28 Oct 2024	19:24	-	19:29	Fine	52.0	SVAN 071 (Carial	Rion NC-75 (No.34524163)	
	20:19	-	20:24	Fine	51.5	SVAN 971 (Serial No. C132260)		
	21:14	-	21:19	Fine	51.4	100. C132200)	(100.34324103)	
29 Oct 2024	1:29	-	1:34	Fine	46.5	SVAN 071 (Carial	Dian NC 75	
	3:34	-	3:39	Fine	47.8	SVAN 971 (Serial No. C132260)	Rion NC-75	
	5:14	-	5:19	Fine	50.9	100. C152200)	(No.34524163)	

Location:	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3 (M3 / N_S3)
Monitoring date:	02, 07, 14, 21 and 28 October 2024 (Daytime)
	02&03, 07&08, 14&15, 21&22 and 28&29 October 2024 (Evening & Nighttime)
Parameter:	Leq 30min (Daytime), Leq 5min (Evening & Night time)
Noise source other than construction activities from the Project:	Operation of nearby Air Quality Monitoring Station

Noise Monitoring data:

Date	Start time		End time	Weather	$\frac{L_{eq\;30min}dB(A)}{L_{eq\;5min}dB(A)}$	Sound Level Meter Used	Calibrator Used	
02 Oct 2024	13:12	-	13:42	Sunny	58.5	SVAN 971 (Serial No. C132269)	Rion NC-75 (No. 34524163)	
02.0.*	19:22	-	19:27		52.1	SVAN 071 (Carial	Dian NO 75	
02 Oct 2024	20:17	-	20:22	Fine	53.5	SVAN 971 (Serial No. C132269)	Rion NC-75	
2024	21:27	-	21:32		45.5	NO. C152209)	(No. 34524163)	
03 Oct	1:12	-	1:17		47.4	SVAN 971 (Serial	D' NO 75	
2024	3:17	-	3:22	Fine	46.0	No. C132269)	Rion NC-75 (No. 34524163)	
2024	5:22	-	5:27		47.2	NO. C152209)	(100.54524105)	
07 Oct 2024	13:30	-	14:00	Sunny	57.6	SVAN 971 (Serial No. C132269)	Rion NC-75 (No. 34524163)	
07.0.4	19:05	-	19:10		55.6	QUANO71 (Carial	Rion NC-75 (No. 34524163)	
07 Oct 2024	20:10	-	20:15	Fine	56.4	SVAN 971 (Serial No. C132269)		
2024	21:10	-	21:15		53.3	NO. C152209)		
08 0 **	1:15	-	1:20		45.9	SVAN 071 (Carial	Rion NC-75 (No. 34524163)	
08 Oct 2024	3:20	-	3:25	Fine	45.4	SVAN 971 (Serial No. C132269)		
2024	5:10	-	5:15		46.7	NO. C152209)	(110. 34324103)	
14 Oct 2024	13:46	-	14:16	Sunny	57.5	SVAN 971 (Serial No. C132269)	Rion NC-75 (No. 34524163)	
14 Oct	19:16	-	19:21		57.7	SVAN 071 (Seriel	Rion NC-75 (No. 34524163)	
2024	20:21	-	20:26	Fine	54.9	SVAN 971 (Serial No. C132269)		
2024	21:11	-	21:16		56.5	NO. C152209)	(100.54524105)	
15 Oct	1:31	-	1:36		54.8	SVAN 971 (Serial	Rion NC-75	
2024	3:31	-	3:36	Fine	54.9	No. C132269)		
2024	5:16	-	5:21		54.9	100. C152209)	(No. 34524163)	
21 Oct 2024	13:49	-	14:19	Sunny	57.1	SVAN 971 (Serial No. C132269)	Rion NC-75 (No. 34524163)	
21 Oct	19:24	-	19:29		56.9	SVAN 071 (Seriel	Diam NC 75	
21 Oct 2024	20:29	-	20:34	Fine	56.0	SVAN 971 (Serial No. C132269)	Rion NC-75 (No. 34524163)	
2024	21:44	-	21:49		55.4	100. C152209)		
22.0.4	1:24	-	1:29		48.9	QUAN 071 (Q1	Dian NC 75	
22 Oct 2024	3:34	-	3:39	Fine	48.9	SVAN 971 (Serial No. C132269)	Rion NC-75	
2024	5:19	-	5:24		49.5	INU. C132209)	(No. 34524163)	

Date	Start time		End time	Weather	L _{eq 30min} dB(A) / L _{eq 5min} dB(A)	Sound Level Meter Used	Calibrator Used	
28 Oct 2024	13:49	I	14:19	Sunny	57.0	SVAN 971 (Serial No. C132269)	Rion NC-75 (No. 34524163)	
28 Oct 2024	19:24 20:19	-	19:29 20:24	Fine	41.8 45.1	SVAN 971 (Serial	Rion NC-75 (No. 34524163)	
	21:14	-	21:19	Tine	44.6	No. C132269)		
29 Oct 2024	1:29	I	1:34		47.3	SVAN 971 (Serial	Rion NC-75 (No. 34524163)	
	3:29	I	3:34	Fine	43.6	No. C132269)		
	5:14	-	5:19		43.6	100. C132209)		

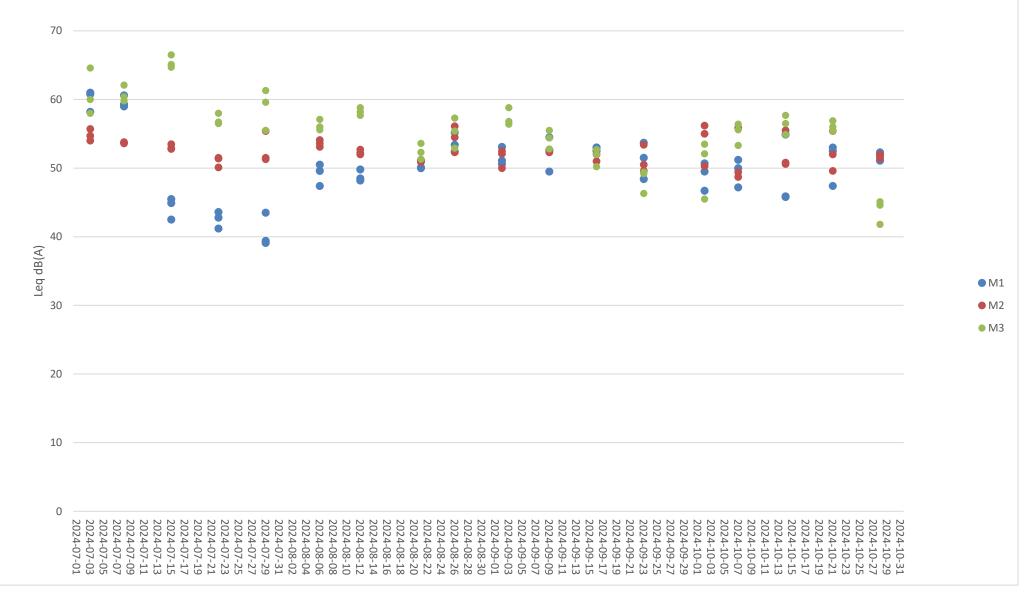


## **Impact Noise Monitoring Results during Day Time (0700 - 1900 hours)**

Remark:

1. Construction works carried out during reporting month refer to Table 1.2.

2. Weather condition recorded and noise source other than construction activities from the Project observed during the monitoring events refer to noise monitoring data summary in Appendix G.

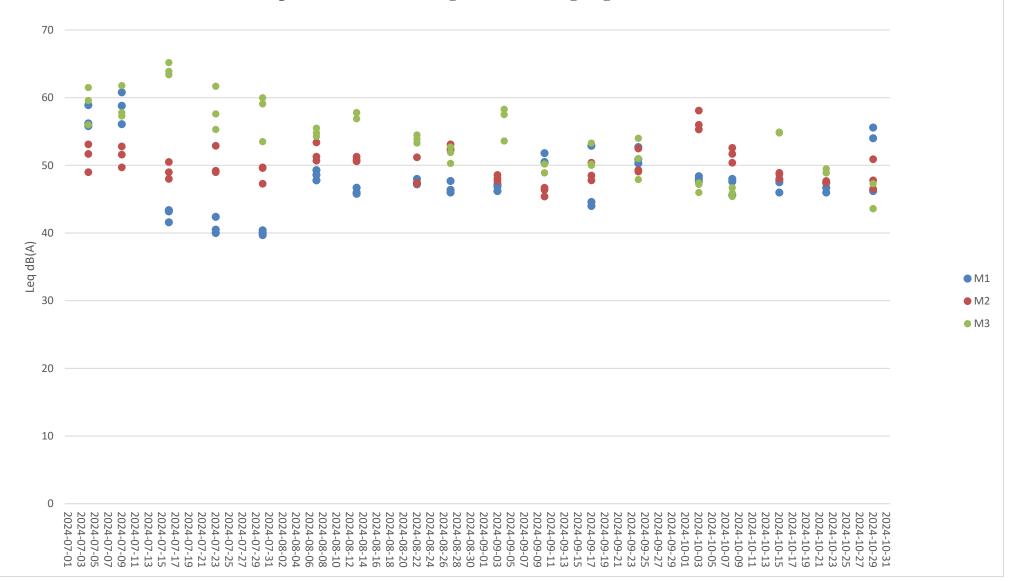


## Additional Impact Noise Monitoring Results during Evening Time (1900 - 2300 hours)

### Remark:

1. Construction works carried out during reporting month refer to Table 1.2.

2. Weather condition recorded and noise source other than construction activities from the Project observed during the monitoring events refer to noise monitoring data summary in Appendix G.



## Additional Impact Noise Monitoring Results during Night Time (2300 - 0700 hours)

#### Remark:

1. Construction works carried out during reporting month refer to Table 1.2.

2. Weather condition recorded and noise source other than construction activities from the Project observed during the monitoring events refer to noise monitoring data summary in Appendix G.

Appendix K Waste Flow Table



吉寶西格斯 - 振華聯營公司 Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for _____

<u>2018 (year)</u>

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

	Actual Quantities of Inert C&D Materials Generated Monthly										Actual Quantities of C&D Wastes Generated Monthly				
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Reused in other Projects	Disposed as Public Fill (see Note 4)	Imported Fill Sand (see Note 4)	Imported Fill Public fill (see Note 4)	Imported Fill Rock (see Note 4)	Metals (see Note 5)	Paper/ cardboard packaging (see Note 5)	Plastics (see Note 2, 5)	Chemica	l Waste	Others, e.g. general refuse (see Note 3)	
	(in ,000m ³ )	(in ,000m ³ )	(in ,000m ³ )	(in ,000m ³	(in ,000m ³ )	(i	$(n,000m^3)$	1	(in ,000 kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	(in ,000 m ³ )	
Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sub-total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0065	
Sep	0	0	0	0	0	2.9619	0	0	0	0	0	0	0	0	
Oct	0	0	0	0	0	3.0771	0	0	0	0	0	0	0	0.0130	
Nov	0	0	0	0	0	6.7871	0	0	0	0	0	0	0	0	
Dec	0	0	0	0	0	59.0709	0	0	0	0	0	0.2000	0.8700	0	
Total	0	0	0	0	0	71.8970	0	0	0	0	0	0.2000	0.8700	0.0195	

Notes:

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ 

(5) Materials recycled.



Monthly Summary Waste Flow Table for



2019

(year)

Project : In	ct : Integrated Waste Management Facilities, Phase 1								Contract No.: EP/SP/66/12					
		Actual	Quantities of	Inert C&D	Materials Gei	nerated Mon	thly		Actual Quantities of C&D Wastes Generated Monthly					
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Reused in other Projects	Public Fill (see Note 4)	Imported Fill Sand (see Note 4)	Fill Public fill (see Note 4)	,	Metals (see Note 5)	Paper/ cardboard packaging (see Note 5)	Plastics (see Note 2, 5)	Chemica	l Waste	Others, e.g. general refuse (see Note 3)
	$(in,000m^3)$	$(in,000m^3)$	$(in,000m^3)$	(in ,000m ³	(in ,000m ³ )	(1	in ,000m ³ )	1	(in ,000 kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	$(in,000 m^3)$
Jan	0	0	0	0	0	82.6139	0	0	0	0	0	0	0	0.0065
Feb	0	0	0	0	0	46.7821	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	97.1000	0	0.7552	0	0.2560	0	0	0	0
Apr	0	0	0	0	0	58.0413	0	0	0	0	0	0	0	0
May	0	0	0	0	0	14.5625	0	1.4648	0	0	0	0	0	0.0065
Jun	0	0	0	0	0	0	0	6.8421	0	0	0	0	0	0
Sub-total	0	0	0	0	0	299.0998	0	9.0621	0	0.2560	0	0	0	0.0130
Jul	0	0	0	0	0	0	0	0.4289	0	0	0	0	8.4000	0.0130
Aug	0	0	0	0	0	2.5775	0	10.5600	0	0	0	0	0	0
Sep	0	0	0	0	0	6.1081	0	8.4704	0	0.3530	0	0	0	0.0065
Oct	0	0	0	0	0	9.8875	0	7.1900	0	0	0	0	0	0
Nov	0	0	0	0	0	38.3088	0	19.3105	0	0	0	0	0	0.0195
Dec	0	0	0	0	0	54.3469	0	26.9807	0	0	0	0	0	0.0910
Total	0	0	0	0	0	410.3286	0	82.0026	0	0.6090	0	0	8.4000	0.1430

Broken concrete for recycling into aggregates. Notes: (1)

Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials. (2)

Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume. (3)

Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ (4)

(5) Materials recycled.



Monthly Summary Waste Flow Table for _____



2020

(year)

Project : Integrated Waste Management Facilities, Phase 1 Contract No.: EP/SP/66/12 Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Monthly Imported Imported Imported Hard Rock Paper/ Fill Fill Fill and Large Reused in Disposed as Others, e.g. general Metals cardboard Total Reused in Plastics Month Broken Public Rock Sand Public Fill refuse packaging **Chemical Waste** the other (see Note (see Note 2, Quantity Concrete fill (see Note (see Note (see Note Generated Contract Projects 5) 5) (see Note 4) (see Note 3) (see Note 4) (see Note 4) 5) 1) 4)  $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$  $(in, 000m^3)$  $(in, 000m^3)$ (in ,000kg) (in ,000kg) (in ,000 kg) (in ,000kg) (in ,000L)  $(in, 000 \text{ m}^3)$ 0 0 0 0 0 37.1550 25.0812 0 0 0 0 0 0.0065 Jan 0 27.7910 Feb 0 0 0 0 0 0 18.8300 0 0 0 0 0 0.0065 0 0 0 0 0 22.5669 0 26.1586 0 0 0 0 7.2000 0.0065 Mar 0 0 0 0 0 0 0 0 0 12.7800 0 10.1825 0 0.0195 Apr 0 0 0 0 0 16.1138 0 24.3740 0 0.4220 0 0 0 0.0195 May 0 0 0 0 0 31.5177 0 28.3030 0 0 0 0 0 0.0065 Jun 0 0 Sub-total 0 0 0 0 0 147.9244 132.9293 0 0.4220 0 7.2000 0.0650 0 0 0 0 0 0 34.7856 17.0606 35.1800 0 0 0 0 0.0195 Jul 65.5667 0 0 0 0 0 27.1375 27.9335 0 0 0 0 0 0 Aug 110.1328 43.5435 Sep 0 0 0 0 0 11.9813 0 0 0 0 0 0.0195 0 0 0 0 0 2.8213 131.6600 22.5415 0 0 0 0 0 0.0130 Oct 0 0 0 0 0 Nov 0 0 162.1811 44.6475 0.4090 0 0 0.4000 0.0130 174.9800 57.8380 0 0 0 Dec 0 0 0 0 0 0 0 0 0.0130 0 0 224.6501 661.5812 364.6133 0 0 0 0 0.8310 0 0 7.6000 Total 0.1430

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ 

(5) Materials recycled.



Monthly Summary Waste Flow Table for _____

<u>2021 (year)</u>

Project : Integrated Waste Management Facilities, Phase 1 Contract No.: EP/SP/66/12 Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Monthly Hard Rock Imported Imported Imported Paper/ and Large Fill Fill Fill Reused in Disposed as Metals Others, e.g. general Total Reused in cardboard Plastics Month Broken Public fill Sand Rock refuse Public Fill packaging Chemical Waste Quantity the other (see Note (see Note 2. Concrete (see Note (see Note (see Note (see Note 5) 5) Generated Contract Projects (see Note 4) (see Note 3) (see Note 4) 4) 4) 5) 1)  $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$  $(in,000m^3)$ (in ,000 kg) (in ,000kg) (in ,000kg) (in ,000kg)  $(in,000 \text{ m}^3)$ (in .000L) 0 0 0 0 0 0 198.1311 0 0 0 0 0 36.4775 0.0065 Jan 0 0 0 0 0 0 0 0 0 0 0 Feb 143.9511 20.9960 0.6305 0 0 0 0 0 0 103.1833 23.4510 0 0 0 0 0 0.0130 Mar 0 0 0 0 0 0 161.2956 0 Apr 27.2810 0 0 0 0 0.0130 0 0 0 0 0 0 0 0 0 193.3300 0 0 0.0715 May 20.5265 0 0 0 0 0 23.7825 0 0 0 0 141.5728 0 0.2440 0.0455 Jun 0 0 0 0 0 0 941.4639 152.5145 0 0.2440 0 0 0 0.7800 Sub-total 0 0 0 0 0 0 105.1083 30.6065 0 0 0 0 0 0.0195 Jul 0 0 0 0 0 0 0 11.1822 7.5180 0 0 0 0 0.0130 Aug 0 0 0 Sep 0 0 0 0 5.7575 0 0 0 0 0.6000 0.0390 0 0 0 0 0 0 0 0 0 0 0 0 6.8885 0 Oct 0 0 0 0 0 0 0 0 6.2975 0 0.1610 0 0 0.0130 Nov Dec 0 0 0 0 0 0 0 5.9235 0 0 0 0 0 0 0 0 0 Total 0 0 0 1057.7544 215.5060 0 0.4050 0 0 0.6000 0.8645

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ .

(5) Materials recycled.



Monthly Summary Waste Flow Table for



2022

(year)

Project : In	ntegrated W	egrated Waste Management Facilities, Phase 1							Contract No.: EP/SP/66/12					
		Actual	Quantities of	of Inert C&E	O Materials Ge	enerated Mo	nthly		Actual Quantities of C&D Wastes Generated Monthly					lonthly
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Reused in other Projects (see Note 4)	Disposed as Public Fill (see Note 4)	Imported Fill Sand (see Note 4)	Imported Fill Public fill (see Note 4)	Imported Fill Rock (see Note 4)	Metals (see Note 5)	Paper/ cardboard packaging (see Note 5)	Plastics (see Note 2, 5)	Chemica	l Waste	Others, e.g. general refuse (see Note 3)
	(in ,000m ³ )	(in ,000m ³ )	(in ,000m ³ )	(in ,000m ³	$(in,000m^3)$		$(in,000m^3)$	T	(in ,000 kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	(in ,000 m ³ )
Jan	0	0	0	0	0	0	4.9389	2.7070	0	0.1550	0	0	0	0.0715
Feb	0	0	0	0	0	0	3.2478	4.0290	0	0	0	0.4000	0.2250	0
Mar	0	0	0	0	0	0	2.3422	2.7820	0	0	0	0	0	0.0780
Apr	0	0	0	0	0	0	18.2189	5.8100	0	0.3120	0	0	0	0.1495
May	0.0648	0	0	0	0.0648	0	16.7711	17.2320	0	0	0	0	0	0.0975
Jun	0.0037	0	0	0	0.0037	0.2115	1.1128	14.1470	36.3000	0.3890	0	0	1.7250	0.0975
Sub-total	0.0685	0	0	0	0.0685	0.2115	46.6317	46.7070	36.3000	0.8560	0	0.4000	1.9500	0.4940
Jul	25.7183	0	0	25.7183	0	0.1125	0.8333	17.5210	0	0.6400	0.0060	0	0	0.1235
Aug	13.2494	0	0	13.2494	0	0	0	24.5210	76.0300	1.8870	0	0	0	0.1170
Sep	24.9072	0	0	24.8494	0.0578	0	0	16.2815	72.0600	0.3060	0	0	0	0.1885
Oct	13.3139	0	0	13.3006	0.0133	0	0	11.8665	78.1000	0.5800	0	0	0	0.2405
Nov	26.5583	0	0	26.5583	0	0	0	7.2055	0	0	0	0	0	0.1105
Dec	29.1411	0	0	29.1411	0	0	0	3.5174	0	0	0	0	0	0.2535
Total	132.9567	0	0	132.8171	0.1396	0.3240	47.4650	127.6199	262.4900	4.2690	0.0060	0.4000	1.9500	1.5275

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ .

(5) Materials recycled.



Monthly Summary Waste Flow Table for _



2023

(year)

Project : Ir	ntegrated W	egrated Waste Management Facilities, Phase 1							Contract No.: EP/SP/66/12					
		Actual	Quantities of	of Inert C&E	Materials Ge	enerated Mo	nthly		Actual Quantities of C&D Wastes Generated Monthly					lonthly
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Reused in other Projects (see Note 4)	Disposed as Public Fill (see Note 4)	Imported Fill Sand (see Note 4)	Imported Fill Public fill (see Note 4)	Imported Fill Rock (see Note 4)	Metals (see Note 5)	Paper/ cardboard packaging (see Note 5)	Plastics (see Note 2, 5)	Chemica	l Waste	Others, e.g. general refuse (see Note 3)
	(in ,000m ³ )	(in ,000m ³ )	(in ,000m ³ )	(in ,000m ³	$(in,000m^3)$		$(in,000m^3)$	1	(in ,000 kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	(in ,000 m ³ )
Jan	24.6728	0	0	24.6728	0	0	0	1.3545	0	0.3150	0	0	0	0.1365
Feb	26.7206	0	0	26.7206	0	0	0	1.8990	11.1501	0	0.0007	0	0	0.1235
Mar	22.1089	0	0	22.1089	0	0	0	0.9025	0	0	0	0	0	0.1105
Apr	36.0011	0	0	36.0011	0	0	0	0	0	0.2150	0	0	0	0.1365
May	21.8900	0	0	21.8900	0	0	0	0	0	0.3160	0	0	0	0.1495
Jun	8.8878	0	0	8.8878	0	0	0	0	0	0	0	0	0	0.1950
Sub-total	140.2812	0	0	140.2812	0	0	0	4.1560	11.1501	0.8460	0.0007	0	0	0.8515
Jul	2.2233	0	0	2.2233	0	0	0	0	0	0.3870	0	0	0	0.1495
Aug	4.4200	0	0	4.4200	0	0	0	0	0	0	0	0	0	0.2015
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2860
Oct	0	0	0	0	0	0	0	0.4025	0	0.3770	0	0	0	0.2405
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3510
Dec	0	0	0	0	0	0	0	0.4960	0	0	0	0	0	0.3835
Total	146.9245	0	0	146.9245	0	0	0	5.0545	11.1501	1.6100	0.0007	0	0	2.4635

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ .

(5) Materials recycled.



Monthly Summary Waste Flow Table for _



2024

(year)

Project : In	: Integrated Waste Management Facilities, Phase 1								Contract No.: EP/SP/66/12					
		Actual	Quantities of	of Inert C&E	Materials Ge	enerated Mo	nthly			Actual	Quantities of	C&D Wastes	Generated M	onthly
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Projects	Disposed as Public Fill (see Note 4)	Imported Fill Sand (see Note 4)	Imported Fill Public fill (see Note 4)	Imported Fill Rock (see Note 4)	Metals (see Note 5)	Paper/ cardboard packaging (see Note 5)	Plastics (see Note 2, 5)	Chemica	l Waste	Others, e.g. general refuse (see Note 3)
	$(in,000m^3)$	(in ,000m ³ )	(in ,000m ³ )	(in ,000m ³	(in ,000m ³ )		$(in,000m^3)$	1	(in ,000 kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	$(in,000 m^3)$
Jan	0	0	0	0	0	0	0	0	22.8700	0	0	0	0	0.4940
Feb	1.9433	0	0	1.9433	0	0	0	0	0	0.3190	0	0	0	0.2665
Mar	4.4367	0	0	4.4367	0	0	0	0	0	0	0	0	0	0.3640
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5915
May	0	0	0	0	0	0	0	0	0	0.6530	0	0	0	0.7410
Jun	5.0453	0	0	0	5.0453	0	0	0.5120	0	0	0	0	0	0.4940
Sub-total	11.4253	0	0	6.3800	5.0453	0	0	0.5120	22.8700	0.9720	0	0	0	2.9510
Jul	5.5519	0	0	2.1883	3.3636	0	0	0	0	0.6060	0	0	0	0.7215
Aug	2.1000	0	0	2.1000	0	0	0	0	0	0	0	0	0	0.6955
Sep	2.1894	0	0	2.1894	0	0	0	0	0	0	0	0	0	0.7540
Oct	0	0	0	0	0	0	0	0	0	0.2860	0	0	0	0.8775
Nov														
Dec														
Total	21.2666	0	0	12.8577	8.4089	0	0	0.5120	22.8700	1.8640	0	0	0	5.9995

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ .

(5) Materials recycled.

# Appendix L Event / Action Plan for Coral Monitoring

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1

Keppel Seghers – Zhen Hua Joint Venture

Event	Action										
_	ET Leader II	EC S	o c	ontractor							
Exceedance	2. Inform the IEC, SO ,and	Discuss monitoring with the 1. ET and the Contractor; Review proposals for additional monitoring and any other measures submitted by the Contractor 2. and advise the SO accordingly.	Discuss with the IEC 1. additional monitoring requirements and any other measures proposed by the 2. ET; Make the agreement on the measures to be 3. implemented.	notification of the non-compliance in writing; Discuss with the ET and the IEC and propose measures to the IEC and the SO;							
Limit Level ¹ Exceedance	<ol> <li>Undertake Steps 1-4 as in 1. the Action Level Exceedance. If further 2. exceedance of Limit Level, propose enhancement measures for consideration.</li> </ol>	Discuss monitoring with the 1. ET and the Contractor; Review proposals for additional monitoring and any other measures submitted by the Contractor 2. and advise the SO accordingly.	Discuss with the IEC 1. additional monitoring requirements and any other measures proposed by the 2. ET; Make the agreement on the measures to be 3. implemented.	notification of the non-compliance in writing; Discuss with the ET and the IEC and propose measures to the IEC and the SO;							

Appendix M Event / Action Plan for White-Bellied Sea Eagle

Event		Action	
	Environmental	Audit Team	Contractor
	Team		
Absence of White-bellied Sea Eagle during a whole day of monitoring.	Inform audit team. Increase monitoring frequency to daily.	<ul> <li>Inform site engineer and contractor.</li> <li>If the absence remains: <ul> <li>Review construction activities and noise monitoring records of the associated period;</li> <li>Identify potential causes of the absence;</li> <li>Propose remedial measures, such as change of construction method and sequence;</li> <li>Confirm the feasibility of the proposed remedial measures with site engineer and contractor;</li> <li>Discuss with environmental team about the effectiveness of the proposed remedial measures.</li> </ul> </li> </ul>	Implement the agreed remedial measures.

Appendix N Exceedance Report

Integrated Waste Management Facilities, Phase 1

	Water Quality (Regular Monitoring)								
Location	Action Level	Limit Level	Total						
B1	0	1	1						
B2	1	0	1						
B3	1	0	1						
B4	0	0	0						
CR1	0	0	0						
CR2	0	0	0						
F1A	0	0	0						
H1	0	0	0						
S1		Not applicable							
S2A		Not applicable							
S3		Not applicable							
M1	0	1	1						

## Statistical Summary of Exceedances in the Reporting Period

#### Integrated Waste Management Facilities, Phase 1

	Noise (Day Time)								
Location	Action Level	Limit Level	Total						
M1	0	0	0						
M2	0	0	0						
M3	0	0	0						
	Noise (Evening Time)								
Location	Action Level	Limit Level	Total						
M1	0	0	0						
M2	0	0	0						
M3	0	0	0						
	Noise (N	light Time)							
Location	Action Level	Limit Level	Total						
M1	0	0	0						
M2	0	0	0						
M3	0	0	0						

### Incident Report on Action Level or Limit Level Non-compliance

Integrated Waste Managemen 30 October 2024 (Lab result r 15:30 – 19:00 (Mid-Flood) Mid-Flo B1, B2, B3, M1	received on 6 I		
15:30 – 19:00 (Mid-Flood) Mid-Flo B1, B2, B3, M1			
Mid-Flo B1, B2, B3, M1	ood B2		
B1, B2, B3, M1	(B2)	A at	
+ 614	SUBMARINE CA	H1 SHEK KWU CHAU CR2 S3 CR1	FIA N FIA N C2A Key A PROPOSED 132KV SUBMARINE CABLE C MONITORING STATION PROPOSED OUTFALL PROPOSED OUTFALL THE IWMF SITE BOUNDARY LAND FORMATION FOOTPRINT THE IWMF SITE BOUNDARY LAND FORMATION FOOTPRINT THE IWMF SITE BOUNDARY
Suspended Solid (SS)			
Action Level		Limit Level	
$\geq$ 8.0 mg/L		$\geq 10 \text{ mg/L}$	
Impact Station(s) of	Control Stati	ons	Impact Station(s) without
Exceedance			Exceedance
10.0 mg/L (B1)	5.6 mg/L (C1	A)	6.8 mg/L (B4)
			4.9 mg/L (F1A)
	U X		6.3 mg/L (H1)
<b>C</b>			4.9 mg/L (CR1)
			4.9 mg/L (CR2)
As reported by the Contracto	or no marine	construction w	ork was carried out and no
	Suspended Solid (SS) Action Level ≥ 8.0 mg/L Impact Station(s) of Exceedance 10.0 mg/L (B1) 8.1 mg/L (B2) 9.2 mg/L (B3) 10.3 mg/L (M1) As reported by the Contracto surface runoff was observed	+ -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C1A -C	+ + + + C1A + C1A + C1A + + C1A + + + + + + + + + + + + +



Photo Record of Sea Surface adjacent to the Project Site (Viewpoint 1)

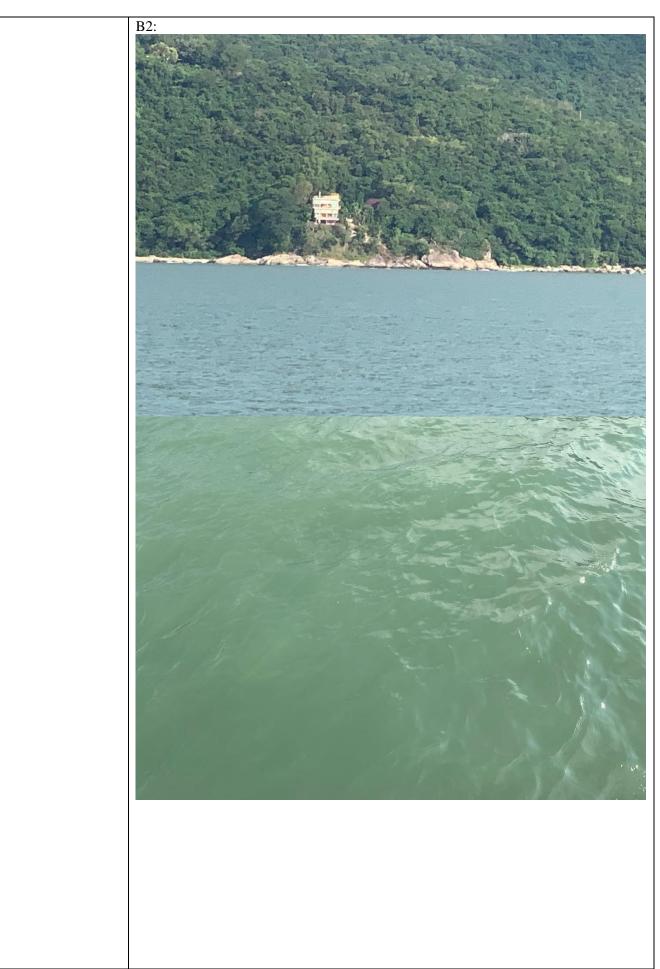


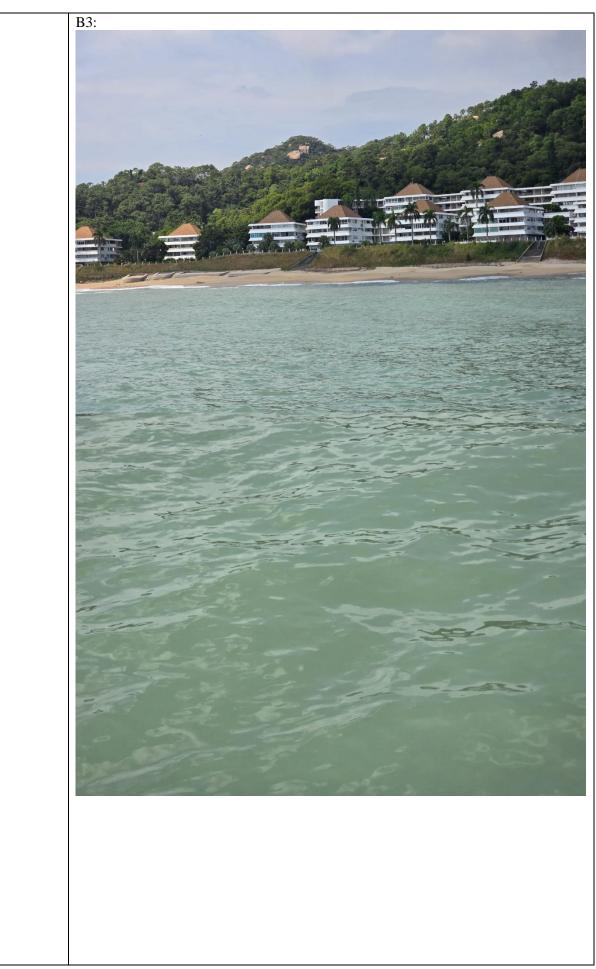
Photo Record of Sea Surface adjacent to the Project Site (Viewpoint 2)

Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.

Exceedances of action level were found at B2 and B3 while exceedances of limit level were found at B1 and M1. B1, B2, B3 and M1 are located at unrelated stream direction (neither upstream nor downstream) to the works location. Exceedances at the monitoring stations are deemed to be unrelated to the Project.

	According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site.
	No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 29 October 2024.
	After the investigation, the exceedances on 30 October 2024 at B1, B2, B3 and M1 are deemed to be unrelated to the Project.
Monitoring photos of stations with exceedance	







Remarks	Current direction during mid-flood sampling on 30 October 2024:
	2.0-2.5 2.5 and above
	(Sourced from http://current.hydro.gov.hk/en/map.html)
Prepared by	Joe Ho
Date	11 November 2024

Appendix O Complaint Log

Integrated Waste Management Facilities, Phase 1

### Statistical Summary of Environmental Complaints

Reporting	Environmental Complaint Statistics							
Period	Frequency	Cumulative	Complaint Nature					
1 Oct 2024 - 31 Oct 2024	0	4	N/A					

### Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics			
	Frequency	Cumulative	Details	
1 Oct 2024 -	0	0	N/A	
31 Oct 2024	0	0	N/A	

#### Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics			
	Frequency	Cumulative	Details	
1 Oct 2024 -	0	0	N/A	
31 Oct 2024	0	0	IN/A	

## Appendix P Impact Monitoring Schedule of Next Reporting Month

Impact Monitoring Schedule for VMMF No-24							
		Тие			Fri Sat		
	Mon 1	ue	Wed	Thu	Fri Sat		
					I Impact 2		
					Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1		
					Tidal Period: Ebb Tide: 09:49 - 14:47		
					Flood Tide: 14:47 - 20:51		
					Monitoring Time:		
					Mid-ebb: 10:33 - 14:03		
					&Mid-flood: 16:04 - 19:00		
	4	4	6	7	8 9		
	Impact	Impact	Impact	, 	Impact		
					Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1		
	Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1	Night time Noise monitoring for M1, M2 & M3	Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2,				
	Tidal Period:		M1		<u>Tidal Period:</u>		
	Ebb Tide: 11:55 - 15:36		Tidal Period:		Ebb Tide: 00:00 - 08:37		
	Flood Tide: 04:59 - 11:55		Ebb Tide: 14:00 - 16:00		Flood Tide: 08:37 - 23:59		
	Monitoring Time:		Flood Tide: 06:29 - 14:00		Monitoring Time:		
	Mid-ebb: 12:00 - 15:30		Monitoring Time:		*#\$Mid-ebb: 08:00 - 08:11		
	*Mid-flood: 08:04 - 11:34		#\$Mid-ebb: 14:06 - 15:54		Mid-flood: 14:33 - 18:03		
	Daytime & Evening Noise monitoring for M1, M2 & M3		Mid-flood: 08:29 - 11:59				
	11	2	13	14	15 16 16 16 16 16 16 16 16 16 16 16 16 16		
	Impact	Impact	Impact		Impact		
	Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1	Daytime & Evening Noise monitoring for M1, M2 & M3	Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2,		Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1		
	Tidal Period:		M1		Tidal Period:		
	Ebb Tide: 04:09 - 11:38		Tidal Period:		Ebb Tide: 09:09 - 14:09		
	Flood Tide: 11:38 - 19:12		Ebb Tide: 06:55 - 12:59		Flood Tide: 14:09 - 20:34		
	Monitoring Time:		Flood Tide: 12:59 - 19:42		Monitoring Time:		
	*Mid-ebb: 08:00 - 11:15		Monitoring Time:		Mid-ebb: 09:54 - 13:24		
	Mid-flood: 13:40 - 17:10		Mid-ebb: 08:12 - 11:42		&Mid-flood: 15:36 - 19:00		
	Mid-1000. 13.40 - 17.10		Mid-flood: 14:35 - 18:05		GINID-11000. 13.30 - 15.00		
			Wild-fi00d: 14:35 - 18:05				
			Night time Noise monitoring for M1, M2 & M3				
	18 1	.9	20	21	22 23		
	Impact	Impact	Impact	Impact	Impact		
	Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1	Night time Noise monitoring for M1, M2 & M3	Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2,	Ecology monitoring for WBSE	Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1		
	Tidal Period:		M1	Ecology monitoring for Marine Mammals by Vessel-based Line-Transect	Tidal Period:		
	Ebb Tide: 12:19 - 15:35		Tidal Period:	Survey	Ebb Tide: 00:23 - 08:54		
	Flood Tide: 05:07 - 12:19		Ebb Tide: 14:00 - 16:00		Flood Tide: 08:54 - 23:59		
	Monitoring Time:		Flood Tide: 07:03 - 14:00		Monitoring Time:		
	#SMid-ebb: 12:28 - 15:25		Monitoring Time:		*\$&Mid-ebb: 08:00 - 08:28		
	*Mid-flood: 08:27 - 11:57		#\$Mid-ebb: 14:06 - 15:54		Mid-flood: 14:41 - 18:11		
	Daytime & Evening Noise monitoring for M1, M2 & M3		Mid-flood: 08:46 - 12:16				
			and the second				
			and the second				
	25 2	26	27	28	29 30		
	Impact	Impact	Impact		Impact		
	Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1	Night time Noise monitoring for M1, M2 & M3	Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2,		Water Quality monitoring for B1, B2, B3, B4, H1, C1A, C2A, F1A, CR1, CR2, M1		
	Tidal Period:	the state house montoring for may made with	M1		Tidal Period:		
	Ebb Tide: 04:34 - 11:29				Ebb Tide: 09:05 - 13:21		
			Tidal Period:				
	Flood Tide: 11:29 - 18:55		Ebb Tide: 07:16 - 12:33		Flood Tide: 13:21 - 19:43		
	Monitoring Time:		Flood Tide: 12:33 - 19:24		Monitoring Time:		
			Monitoring Time:		Mid-ebb: 09:28 - 12:58		
	*#\$Mid-ebb: 08:00 - 11:08		Mid-ebb: 08:09 - 11:39		Mid-flood: 14:47 - 18:17		
	Mid-flood: 13:27 - 16:57						
			Mid-flood: 14:13 - 17:43				
	Mid-flood: 13:27 - 16:57		Mid-flood: 14:13 - 17:43				
	Mid-flood: 13:27 - 16:57		Mid-flood: 14:13 - 17:43				
	Mid-flood: 13:27 - 16:57		Mid-flood: 14:13 - 17:43				
	Mid-flood: 13:27 - 16:57		Mid-flood: 14:13 - 17:43				
	Mid-flood: 13:27 - 16:57		Mid-flood: 14:13 - 17:43				
	Mid-flood: 13:27 - 16:57		Mid-flood: 14:13 - 17:43				
	Mid-flood: 13:27 - 16:57		Mid-flood: 14:13-17:43				

Note: • a per Marine Department Notice No 107 of 2018, all vessels employed for the works should stay in the works area outside the hours of works (0700 to 2200). Due to safey concern, Water Quality Monitoring would start at 0800. # - Protribud routing: Mid-Bias CL - 943-9429-9414-H-Hemaning stations and Mid-Rode: CL-943-943-9429-9414 Pennaning stations 5 - Since predicted dies shorter than 32 - Short, method of 90% isidal period as monitoring time is approached and end at 1900. # - Due to safety concern for sampling event in night-time, method of 90% isidal period as monitoring time is approached and end at 1900.