

Civil Engineering and Development Department 4/F, Civil Engineering and Development Building Port Works Division 101 Princess Margaret Road Ho Man Tin Kowloon

Your reference:

Our reference:

HKCEDD15/50/110268

Date:

13 January 2025

BY EMAIL & POST (email.: dkyleung@cedd.gov.hk)

Dear Sirs

Agreement No.: PI 3/2020 Independent Environmental Checker for Lei Yue Mun Waterfront Enhancement Project Verification of Monthly Environmental Monitoring and Audit Report (December 2024)

We refer to email of 10 January 2025 from Acuity Sustainability Consulting Limited attaching a Monthly Environmental Monitoring and Audit Report (December 2024).

We have no comments and hereby verify the captioned report in accordance with Clause 3.4 of the Environmental Permit no. EP-564/2018 and Section 13.4 of the Environmental Monitoring and Audit Manual.

Should you have any queries, please do not hesitate to contact the undersigned or our Mr Ricky Lau at 2618 2831.

Yours faithfully ANEWR CONSULTING LIMITED

James Choi Independent Environmental Checker

CPSJ/LCCR/thy

ArchSD – Mr Ken Cheung (email: cheunkk3@archsd.gov.hk) cc Acuity – Mr Kevin Li (email: kli@acuityhk.com) Acuity – Mr Kelvin Lau (email: klau@acuityhk.com)

ANewR Consulting Limited Unit 1813, 1815-16, 18/F, Tower A, Regent Centre 63 Wo Yi Hop Road, Kwai Chung, Hong Kong Fax: (852) 3007 8648 Tel: (852) 2618 2831 Email: info@anewr.com Web: www.anewr.com



Attention: Mr Daniel K Y Leung







Contract No. PI 2/2020

Environmental Monitoring Works for Lei Yue Mun Waterfront Enhancement Project

Monthly EM&A Report (December 2024)

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EXECUTIVE SUMMARY

INTRODUCTION

- A1. The Project, Lei Yue Mun Waterfront Enhancement Project, is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO) and is currently governed by an Environmental Permit (EP No. EP-564/2018) for the construction and operation of the Project.
- A2. The Civil Engineering and Development Department (CEDD) commissioned Acuity Sustainability Consulting Limited (ASCL) to undertake the role of Environmental Team (ET) for carrying out the Environmental Monitoring & Audit (EM&A) works during the construction phase of the Project in accordance with the EM&A Manual (the Manual).
- A3. In accordance with the Manual for the Project, the results and findings of all EM&A work required in this Manual shall be reported in the monthly EM&A reports prepared by the ET and endorsed by the Independent Environmental Checker (IEC).
- A4. This is the 44th Monthly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 December to 31 December 2024.

SUMMARY OF MAIN WORKS UNDERTAKEN & KEY MITIGATION MEASURES IMPLEMENTED

A5. Key activities carried out in this reporting period for the Project included the followings:



A6. The major environmental impacts brought by the above construction works include:

- Potential impact on water quality during rock drilling and hydraulic jacking, installation of seawall blocks near sea-side of Landing Facility and cast in-situ of pile caps.
- Construction dust and noise generation from rock drilling
- C&D waste generation



- A7. The key environmental mitigation measures implemented for the Project in this reporting period associated with the above construction works include:
 - Silt curtains was deployed enclosing all relevant working areas near seaside. Weekly inspection on the silt curtain on the silt curtain condition by the contractor should be carried out.
 - Stockpiling area should be provided with covers and water spraying system to prevent materials from being washed away.
 - Minimized surface run-off in adjacent marine waters and programmed to minimize soil excavation works during inclement weather.
 - Sort out demolition debris and excavated materials from demolition works to recover reusables.
 - The dredging rate shall not exceed 100 m³ per hour with a maximum working period of 12 hours per day throughout the construction phase and operation phase.
 - Reduction of noise from equipment and machinery on-site
 - Sorting and storage of general refuse and construction waste

SUMMARY OF EXCEEDANCE & INVESTIGATION & FOLLOW-UP

- A8. No noise-related exceedance was recorded in the reporting period.
- A9. In this reporting period, two (2) Action Level and zero (0) Limit Level exceedances of Suspended Solids was recorded on 17th December 2024. Notification of Exceedances (NOEs) has been issued to relevant parties. Investigation for the cause of exceedance was carried out by ET subsequently.
- A10. Weekly site inspections of the construction work by ET were carried out on 05, 12, 16 and 27 December 2024 to audit the mitigation measures implementation status. One joint site inspection with the IEC was also undertaken on 16 December 2024. Observations were recorded on 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. There was no change to be reported that may affect the on-going EM&A programme.



SUMMARY OF UPCOMING KEY ISSUES AND KEY MITIGATION MEASURES

A14. Key activities anticipated in the next reporting period for the Project will include the followings:

Works Description	Location
Contract No. CV/2020/09	
Rock excavation at landing	Landing Facility
Contract No. TC J517	
Floor finishing	Phase 3A
Railing installation	Phase 3A
Concreting work	Phase 3A
Soft landscape work	Phase 3A
E&M equipment installation	Phase 3A
Painting work	Phase 3A

A15. The major environmental impacts brought by the above construction works will include:

- Impact on water quality from inland construction works
- Construction dust and noise generation from excavation and construction works
- Waste generation from construction activities
- A16. The key environmental mitigation measures for the Project in the coming reporting period associated with the above construction works will include:
 - High loading of SS in site run-off should be prevented through proper site management by the contractor.
 - Seawall modification works should be undertaken during low tide, when the water level is low.
 - Cover soil stockpiles to prevent materials from being wind-blown or washed away.
 - Minimized surface run-off in adjacent marine waters and programmed to minimize soil excavation works during inclement weather.
 - Silt curtain deployment zone should surround all relevant working areas including rock excavation zone near seaside. Weekly inspection on the silt curtain condition by the contractor to ensure the performance.
 - Reduction of noise from equipment and machinery on-site
 - Sorting and storage of general refuse and construction waste
 - The dredging rate shall not exceed 100 m³ per hour with a maximum working period of 12 hours per day throughout the construction phase and operation phase.



1. BASIC PROJECT INFORMATION

1.1. BACKGROUND

Civil Engineering and Development Department (CEDD) has contracted Concentric - Hong Kong River Joint Venture (CHKRJV) to carry out the Construction of Lei Yue Mun Public Landing Facility under **Contract No. CV/2020/09**; and Architectural Services Department (ArchSD) has contracted Milestone Builder Engineering Limited to carry out the development of a waterfront promenade and related improvement works under **Contract No. SS J521** for the Lei Yue Mun Waterfront Enhancement Project (the Project), the Works were substantially completed on 31 October 2022 and handed over. The maintenance period for the above stated Works under **Contract no. SS J521** commenced on 1 November 2022 and will expire on 31 October 2023. Shui On Building Contractors Limited to carry out the development of a waterfront promenade and related improvement works under **Works Order No. ASD 012730** of **Contract No. TCJ517** for the Lei Yue Mun Waterfront Enhancement Project (the Project), the Works under Works Order No. ASD 012730 were substantially completed on 29 September 2023. The maintenance period under **Contract no. TCJ517** on 30 November 2023 and will expire on 30 September 2024.

Acuity Sustainability Consulting Limited (ASCL) is commissioned by CEDD to undertake the Environmental Team (ET) services as required and/or implied, both explicitly and implicitly, in the Environmental Permit (EP), Environmental Impact Assessment Report (EIA Report) (Register No. AEIAR-219/2018) and Environmental Monitoring and Audit Manual (EM&A Manual) for the Project; and to carry out the Environmental Monitoring and Audit (EM&A) programme in fulfillment of the EIA Report's EM&A requirements under **Contract No. PI 2/2020**.

Pursuant to the Environmental Impact Assessment Ordinance (EIAO), the Director of Environmental Protection granted the Environmental Permit (No. EP-564/2018) to CEDD for the Project.

1.2. THE REPORTING SCOPE

This is the 44th Monthly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 December to 31 December 2024.

1.3. PROJECT ORGANIZATION

The Project Organization structure for Construction Phase is presented in **Figure 1.1**. The key personnel's' contacts are presented in **Table 1.1** and **Table 1.2**.





Figure 1.1 Project Organization Chart

Table 1.1 Key Personnel's' Contact for the Construction of a Public Landing Facility andImprovement Works to Existing Lookout Points and Viewing Platform

Party	Position Name		Phone
Civil Engineering and Development Department	Engineer	Mr. Daniel Leung	2760 5737
ANewR	Independent Environmental Checker	Mr. Choi Pui Sum, James	2618 2831
Acuity Sustainability Consulting Limited	Environmental Team	Mr. Li Wai Ming, Kevin	2698 6833
Concentric - Hong Kong River Joint Venture	Environmental Officer	Mr. Samson Ho	6335 2008

Table 1.2 Key Personnel's' Contact for the Development of a Waterfront Promenade and Related Improvement Works

Party	Position	Name	Phone
Architectural Services Department	Project Manager	Mr. Eddie Lau	2867 7627
ANewR	Independent Environmental Checker	Mr. Choi Pui Sum, James	2618 2831
Acuity Sustainability Consulting Limited	Environmental Team	Mr. Li Wai Ming, Kevin	2698 6833
Shui On Building Contractors Ltd	Safety Officer	Mr. Ho Tsz Lung	9862 0377



1.4. SUMMARY OF CONSTRUCTION WORKS

Details of the major construction activities undertaken in this reporting period are shown as below. The construction programme is presented in **Appendix A**.

Key activities carried out in this reporting period for the Project included the followings:

Works Description	Location
Contract No. CV/2020/09	
Site preparation	Landing Facility
Contract No. TC J517	
Concreting work	Phase 3A
Paving work	Phase 3A
Railing installation	Phase 3A
Lifting of steel cover	Phase 3A



1.5. SUMMARY OF ENVIRONMENTAL STATUS

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 and Permit

Permit/ Licenses/ Notification	Reference	Validity Period
Contract No. CV/2020/09		
Environmental Permit	EP-564/2018	Throughout the Contract
Notification of Construction Works under	Ref. No.: 463353	Throughout the Contract
the Air Pollution Control (Construction		
Dust) Regulation (Form NA)		
Chemical Waste Producer Registration	5213-298-C3752-02	Throughout the Contract
Billing Account for Disposal of Construction	7039364	Throughout the Contract
Waste		
Discharge Licence under	WT00040594-2022	Valid to 30 Jun 2027
Water Pollution Control Ordinance		
Contract No. TC J517		
Environmental Permit	EP-564/2018	Throughout the Contract
Notification of Construction Works under	Ref. No.: 467619	Throughout the Contract
the Air Pollution Control (Construction		
Dust) Regulation (Form NA)		
Chemical Waste Producer Registration	5312-298-M2939-02	Throughout the Contract
Billing Account for Disposal of Construction	7039353	Throughout the Contract
Waste		
Discharge Licence under	WT00039075-2021	Valid to 30 Sep 2026
Water Pollution Control Ordinance		



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

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

Parameters	Status
Water Quality	
Baseline Monitoring under EM&A Manual	The baseline monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under EP Condition 3.3 on 25 May 2021
Impact Monitoring	The impact water quality monitoring of the Project commenced on 14 September 2021
Noise	
Baseline Monitoring	The baseline monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under EP Condition 3.3 on 25 May 2021
Noise Management Plan	The Noise Management Plan was submitted by the Contractor on 4 May 2021 and approved on 10 May 2021
Impact Monitoring	On-going
Ecology	
Conceptual Landscape Layout Plan	The Conceptual Landscape Layout Plan will be submitted no later than three months prior to the commencement of detailed design of the landscape and architectural works of the Project under EP Condition 2.10
Coral Baseline Survey Report	The Coral Baseline Survey Report was submitted to EPD under EP Condition 2.14 on 12 May 2021 and approved by EPD on 18 May 2021
Coral Translocation Plan	The Coral Translocation Plan was submitted to EPD under EP Condition 2.16 on 28 April 2021 and commented received on 27 September 2021. Updated Coral Translocation Plan was submitted to EPD on 22 December 2021 and approved on 7 January 2022.
Coral Review Report	The Coral Review Report will be submitted no later than three months before the commencement of each maintenance dredging under EP Condition 2.20
Waste Management	
Mitigation Measures in Waste Monitoring Plan	On-going
Environmental Audit	
Site Inspection covering Measures of Air Quality, Noise Impact, Water Quality, Waste, Ecological Quality, Fisheries, Landscape and Visual	On-going

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.



The EM&A programme has been implemented in accordance with the recommendations presented in the approved EIA Report and the 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. Noise

2.1. MONITORING REQUIREMENTS

To ensure no adverse noise impact, noise monitoring is recommended to be carried out within 300m radius from the nearby noise sensitive receivers (NSRs), during construction phase. The NSRs selected as monitoring station are (i) NM1 – Village house in Lei Yue Mun Hoi Pong Road Central, (ii) NM2-A – No.79B, Lei Yue Mun Hoi Pong Road East, (iii) NM3 – Jockey Club Lei Yue Mun Plus and (iv) NM4 – No. 21C, Lei Yue Mun Hoi Pong Road East respectively.

In accordance with the EM&A Manual, baseline noise level at the noise monitoring stations were established as presented in the Baseline Monitoring Report. Impact noise monitoring was conducted once per week in the form of 30-minutes measurements Leq, L10 and L90 levels recorded at each monitoring station between 0700 and 1900 on normal weekdays.

Noise monitoring were carried out at the monitoring locations sited at LYM in the reporting month. The results are presented in **Appendix F.**

Construction noise level were measured in terms of the A-weighted equivalent continuous sound pressure level (LAeq). Leq _{30min} was used as the monitoring parameter for the time period between 0700 and 1900 on normal weekdays. **Table 2.1** summarizes the monitoring parameters, frequency and duration of the impact noise monitoring.

Time	Duration	Interval	Parameters
Daytime: 0700-1900	Day time: 0700-1900 (during normal weekdays)	$\begin{array}{l} \mbox{Continuously in} \\ \mbox{L}_{eq \ 5min}/L_{eq \ 30min} \mbox{ (average} \\ \mbox{of } 6 \ \mbox{consecutive} \ L_{eq \ 5min} \mbox{)} \end{array}$	L _{eq 30min} L _{10 30min} & L _{90 30min}

Table 2.1 Noise Monitoring Parameters, Time, Frequency and Duration

2.2. MONITORING LOCATIONS

The monitoring locations should normally be made at a point 1m from the exterior of the NSRs building façade and be at a position 1.2m above the ground. A correction of +3dB(A) should be made to the free-field measurements.

According to the environmental findings detailed in the EIA report and Baseline Monitoring Report, the designated locations for the construction noise monitoring are listed in **Table 2.2** below.

Station	Noise Monitoring Stations	Monitoring Location	Position
NM1	Village house in Lei Yue Mun Hoi Pong Road Central	Pedestrian Road on Ground Floor	1 m from facade
NM2	No.81, Lei Yue Mun Hoi Pong Road East	Pedestrian Road on Ground Floor	1 m from facade
NM3	Jockey Club Lei Yue Mun Plus	Fenced Road on Ground Floor	1 m from facade
NM4	No. 21C, Lei Yue Mun Hoi Pong Road East	Fenced Road on Ground Floor	1 m from facade

Table 2.2 Noise Monitoring Locations

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The original construction noise monitoring station NM2 was selected at the façade of No. 81 of Lei Yue Mun Hoi Pong Road East. However, the residents of the premises at No. 81 of Lei Yue Mun Hoi Pong Road East do not allow the setting up of the construction noise monitoring station NM2. No. 79B, Lei Yue Mun Hoi Pong Road East, was proposed as the alternative noise monitoring location for set up of construction noise monitoring station named as NM2-A.

A Proposal for Alternative Noise Monitoring Station, which was certified by the ET Leader and verified by the IEC, has been prepared to conclude that the alternative construction noise monitoring station NM2-A could conform to relevant requirements as set out in the EM&A Manual, namely:

- locate close to the major site activities which are likely to have noise impacts;
- locate close to the most affected existing NSRs; and
- take into account the possibility of minimizing disturbance to occupants at the NSRs during monitoring.

The Proposal for Alternative Noise Monitoring Station NM2-A has been approved by EPD on 16 April 2021.

The latest locations for the construction noise monitoring are listed in **Table 2.3**.

Station	Noise Sensitive Receiver	Monitoring Location	Position
NM1	Village house in Lei Yue Mun Hoi Pong Road Central	Pedestrian Road on Ground Floor	1 m from facade
NM2-A	No.79B, Lei Yue Mun Hoi Pong Road East	Pedestrian Road on Ground Floor	1 m from facade
NM3	Jockey Club Lei Yue Mun Plus	Fenced Road on Ground Floor	1 m from facade
NM4	No. 21C, Lei Yue Mun Hoi Pong Road East	Fenced Road on Ground Floor	1 m from facade

 Table 2.3 Updated Noise Monitoring Stations for Baseline and Impact Monitoring

The location of all original construction noise monitoring stations and the alternative construction noise monitoring station are shown in **Figure 2.1**.

Contract No. PI 2/2020 Environmental Monitoring Works for Lei Yue Mun Waterfront Enhancement Project 44th Monthly EM&A Report (December 2024)





Figure 2.1 Noise Monitoring Locations



2.3. IMPACT MONITORING METHODOLOGY

Integrated sound level meter shall be used for the noise monitoring. The meter shall be in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications. 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 before and after the noise measurements agree to within 1.0 dB(A). Calibration certificates of the instruments used are shown at **Appendix E**.

Noise measurements shall not be made in the presence of fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.

Table 2.4 Impact Noise Monitoring Equipment t Make and Model

Equipment	Make and Model
Sound Level Meter	Nti Audio XL2 (Serial No.: A2A-09696-E0)
Sound Level Meter	SVANTEK SVAN 971 (Serial No.:96062)
Sound Calibrator	RION NC-75 (Serial No.: 34724244)
Sound Calibrator	RION NC-75 (Serial No.: 34524163)

2.4. ACTION AND LIMIT LEVELS

The Action/Limit Levels are 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 are presented in **Table 2.5**.

Time Period	Action	Limit (dB(A))
	When one documented	75 dB(A) for residential areas;
0700-1900 on normal weekdays	complaint is received from any one of the noise sensitive receivers	70 dB(A) for school; and 65 dB(A) during examination period

Notes: Limits specified in the GW-TM and IND-TM for construction and operation noise, respectively.

If exceedances were found during noise monitoring, the actions in accordance with the Event and Action Plan shall be carried out according to **Appendix D**.



2.5. MONITORING RESULTS AND OBSERVATIONS

Referring to EM&A manual Section 4.6.1.1 construction noise monitoring should be carried out when there are project-related construction activities undertaken within a radius of 300m from the monitoring stations. Noise monitoring were carried out at the monitoring locations sited at LYM in the reporting month. The below **Table 2.6** summarized the results of the monitoring.

Location	Noise in dB(A)
LUCATION	L _{eq 30min} Daytime (7:00-19:00 on normal weekdays)
NM1	55.7 - 61.0
NM2-A	54.1 - 58.0
NM3	57.9 - 63.6
NM4	66.4 - 71.1

Table 2.6 Summary of Noise Monitoring Results in the Reporting Month

The schedule of impact noise monitoring in reporting month is shown in **Appendix C**.

No noise monitoring exceedance was recorded in the reporting period.



3. WATER QUALITY

3.1. MONITORING REQUIREMENTS

As identified in the EIA Report, suspended sediment is the most critical water quality parameter caused by the dredging works. Marine water quality monitoring should be carried out during the dredging and filling operation to ensure that any unacceptable increase in suspended solids / turbidity and decrease in dissolved oxygen due to the dredging activities could be readily detected and timely action be taken to rectify the situation.

During the dredging (both capital and maintenance) and filling operation of the Project, water quality impact monitoring should be undertaken 3 days per week, at mid-flood and mid-ebb tides, with sampling / measurement at the designated monitoring stations. The locations for impact monitoring should be the same as those for baseline monitoring.

The impact water quality monitoring of the Project commenced on 14 September 2021.

3.2. WATER QUALITY PARAMETERS

The parameters that have been selected for measurement in situ and in the laboratory are those that were either determined in the EIA to be those with the most potential to be affected by the construction works or are a standard check on water quality conditions. Parameters to be measured in the impact monitoring are listed in **Table 3.1**.

Unit	Abbreviation			
In-situ measurements				
mg/L	DO			
°C	-			
-	-			
NTU	-			
mg/L	-			
Laboratory measurements				
mg/L	SS			
	Unit mg/L °C - NTU mg/L mg/L			

Table 3.1 Parameters measured in the marine water quality monitoring

Notes: * Key Parameters shown in EM&A manual Table 5.1.



3.3. MONITORING EQUIPMENT

For water quality monitoring, the following equipment will be used:

Dissolved Oxygen and Temperature Measuring Equipment - The instrument will be a portable, weatherproof dissolved oxygen measuring instrument complete with cable, sensor, comprehensive operation manuals, and will be operable from a DC power source. It will be capable of measuring: dissolved oxygen levels in the range of 0 - 20 mg/L and 0 - 200% saturation; and a temperature of 0 - 45 degrees Celsius. It shall have a membrane electrode with automatic temperature compensation complete with a cable of not less than 35 m in length. Sufficient stocks of spare electrodes and cables shall be available for replacement where necessary (e.g. YSI model 59 D0 meter, YSI 5739 probe, YSI 5795A submersible stirrer with reel and cable or an approved similar instrument).

Turbidity Measurement Equipment - The instrument will be a portable, weatherproof turbiditymeasuring unit complete with cable, sensor and comprehensive operation manuals. The equipment will be operated from a DC power source, it will have a photoelectric sensor capable of measuring turbidity between 0 - 1000 NTU and will be complete with a cable with at least 35 m in length (for example Hach 2100P or an approved similar instrument).

pH Measurement Instrument - The instrument should consist of a potentiometer, a glass electrode, a reference electrode and a temperature-compensating device. It should be readable to 0.1 pH in a range of 0 to 14. Standard buffer solutions of at least pH 7 and pH 10 should be used for calibration of the instrument before and after use.

Salinity Measurement Instrument - A portable salinometer capable of measuring salinity in the range of 0 - 40 ppt will be provided for measuring salinity of the water at each monitoring location.

Sample Containers and Storage - Water samples for SS should be 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 analyzed as soon as possible after collection. Sufficient volume of samples should be collected to achieve the detection limit.

Water Depth Gauge – A portable, battery-operated echo sounder (for example Seafarer 700 or a similar approved instrument) will be used for the determination of water depth at each designated monitoring station. This unit will preferably be affixed to the bottom of the work boat if the same vessel is to be used throughout the monitoring programme. The echo sounder should be suitably calibrated. The ET shall seek approval for their proposed equipment with the client prior to deployment.

Positioning Device – A Global Positioning System (GPS) shall be used during monitoring to allow accurate recording of the position of the monitoring vessel before taking measurements. The Differential GPS, or equivalent instrument, should be suitably calibrated at appropriate checkpoint (e.g. Quarry Bay Survey Nail) to verify that the monitoring station is at the correct position before the water quality monitoring commence.



Water Sampling Equipment - A water sampler, consisting of a PVC or glass cylinder of not less than two litres, which can be effectively sealed with cups at both ends, will be used (e.g. Kahlsico Water Sampler 13SWB203 or an approved similar instrument). The water sampler will have 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.

Calibration certificate for the water quality monitoring equipment is attached in **Appendix H**.

3.4. SAMPLING / TESTING PROTOCOLS

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

On-site calibration of field equipment shall follow the "Guide to On-Site Test Methods for the Analysis of Waters", BS 1427: 2009. Sufficient stocks of spare parts shall be maintained for replacements when necessary. Backup monitoring equipment shall also be made available so that monitoring can proceed uninterrupted even when equipment is under maintenance, calibration etc.

3.5. LABORATORY MEASUREMENT AND ANALYSIS

All laboratory work shall be carried out in a HOKLAS accredited laboratory. Sufficient volume of each water sample shall be collected at the monitoring stations for carrying out the laboratory analyses. Using chain of custody forms, collected water samples will be transferred to an HOKLAS accredited laboratory for immediate processing. The determination work shall start within 24 hours after collection of the water samples. The laboratory measurements shall be provided to the client within 5 working days of the sampling event. Analytical methodology and sample preservation of other parameters will be based on the latest edition of Standard Methods for the Examination of Waste and Wastewater published by APHA, AWWA and WPCF and methods by USEPA, or suitable method in accordance with requirements of HOKLAS or another internationally accredited scheme.

Detailed testing methods, pre-treatment procedures, instruments use, Quality Assurance / Quality Control (QA/QC) details (such as blank, spike recovery, number of replicate samples per batch, etc.), detection limit and accuracy were submitted to EPD for approval on 3 February 2021 prior to the commencement of monitoring programme. EPD may also request the laboratory to carry out analysis of known standards provided by EPD for quality assurance. The QA / QC shall be in accordance with the requirements of HOKLAS or international accredited scheme. The QA/ QC results shall be reported. The testing methods and related proposal were checked and certified by IEC before submission to EPD for approval.

Parameters for laboratory measurements, their standard methods and their detection limits are presented in **Table 3.2**.



Table 3.2 Laboratory measurements, standard methods and corresponding detection limits of marine water quality monitoring

Parameter	Standard Method	Detection Limit	Accuracy
Suspended Solids (mg/L)	APHA 2540D	1.0*	±17%

Remark *: Albeit the selected HOKLAS accredited laboratories' standard testing method of total suspended solid according to APHA Method 2540D is capable of reporting the results to 1 mg/L, the laboratory advised that results reported between 1 and 2 mg/L shall be considered to be used as reference value and receive no HOKLAS accreditation for this particular range of result.

If exceedances were found during water monitoring, the actions in accordance with the Event and Action Plan shall be carried out according to **Appendix G**.

3.6. MONITORING LOCATIONS

The water quality monitoring locations for baseline are in accordance to the EM&A Manual and detailed in **Table 3.3** below. The water quality monitoring schedule should be submitted to EPD at least 1 week before the first day of the monitoring month.

Station	Easting	Northing	Description
C1	842134	816765	Control Station
C2	842946	816172	Control Station
M1	842605	816433	Coral Communities (Impact Monitoring Station)
M2	842329	816615	100m away from the dredging site (Impact Monitoring Station)
M3	842639	816410	Coral Communities (Impact Monitoring Station)
M4	842515	816878	Sam Ka Tsuen Typhoon Shelter (Impact Monitoring Station)

Table 3.3 Location of Water Quality Monitoring Station



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Figure 3.1 Water quality monitoring locations under EM&A Manual

3.7. SAMPLING FREQUENCY

During periods when there are dredging or filling works, impact monitoring should be undertaken at the monitoring stations as shown in **Figure 3.1** and **Table 3.3** three days per week during the construction phase after the commencement of marine construction works and dredging or filling activities. Monitoring at each station would be undertaken at both mid-ebb and mid-flood tides on the same day. The interval between two sets of monitoring would not be less than 36 hours. The monitoring frequency would be increased in the case of exceedances of Action/Limit Levels if considered necessary by ET. Monitoring frequency would be maintained as far as practicable.



3.8. SAMPLING DEPTHS & REPLICATION

For water quality monitoring, each station will be sampled and measurements/ water samples will be taken at three depths, 1 m below the sea surface, mid-depth and 1 m above the seabed. For stations that are less than 3 m in depth, only the mid depth sample shall be taken. For stations that are less than 6 m in depth, only the surface and seabed sample shall be taken. For in situ measurements, duplicate readings shall be made at each water depth at each station. Duplicate water samples shall be collected at each water depth at each station.

3.9. ACTION AND LIMIT LEVELS

Based on the baseline water quality monitoring data and the derivation criteria specified in the Baseline Monitoring Report, the Action/Limit Levels have been derived for the Project and presented in **Table 3.4**.

Parameters	Action	Limit			
During the Dredging and Filling Operation of the Project					
DO in mg/L	Surface and Middle 7.95 mg L ⁻¹ Bottom 7.91 mg L ⁻¹	Surface and Middle 4 mg L ⁻¹ Bottom 2 mg L ⁻¹			
SS in mg/L (Depth- averaged)	6.73 mg L ⁻¹ or 120% of control station's SS at the same tide of the same day	17.60 mg L ⁻¹ or 130% of control station's SS at the same tide of the same day and specific sensitive receiver water quality requirements (e.g. required SS level for concerned seawater intakes)			
Turbidity in NTU (Depth-averaged)	7.42 NTU or 120% of control station's SS at the same tide of the same day compared with corresponding data from control station	7.79 NTU or 130% of control station's SS at the same tide of the same day compared with corresponding data from control station			

Table 3.4 Derived Action and Limit Levels for Water Quality Monitoring

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.

3.10. MONITORING PROGRAMME

The ET of the Project had conducted the baseline water monitoring between 15 April 2021 to 11 May 2021 at all six designated monitoring stations (i.e. C1, C2, M1, M2, M3 and M4). The monitoring results was presented in Baseline Water Quality Monitoring Report separately.

The commencement of marine construction activities for the Project is expected to be commenced in mid-September 2021 and the impact water quality monitoring of the Project commenced on 14 September 2021.

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3.11. MONITORING RESULTS AND OBSERVATIONS

The impact water quality monitoring was conducted at all six monitoring stations (i.e. C1, C2, M1, M2, M3 and M4). The monitoring results are summarized in **Table 3.5**. Details of water quality monitoring results are presented in **Appendix I**.

Location		Parameters							
		Dissolved Oxygen (mg/L)			Turbidity		Suspended Solids		
		S&M(i)		B(i)		(NTU)		(mg/L)	
		Mid-Flood	Mid-Ebb	Mid-Flood	Mid-Ebb	Mid-Flood	Mid-Ebb	Mid-Flood	Mid-Ebb
	Avg.	8.80	8.84	8.81	8.86	2.90	3.69	4	4
C1	Min.	8.00	8.13	8.05	8.16	2.20	2.79	3	3
	Max.	9.48	9.57	9.49	9.63	3.58	4.35	5	6
	Avg.	9.09	8.86	9.09	8.88	3.58	2.96	4	4
C2	Min.	8.43	7.98	8.42	8.02	2.88	2.28	3	3
	Max.	9.60	9.82	9.61	9.78	4.79	3.68	6	5
	Avg.	8.79	8.77	8.78	8.76	2.71	2.90	4	4
M1	Min.	8.11	8.47	8.03	8.38	1.86	1.89	3	3
	Max.	9.63	9.21	9.67	9.21	4.37	3.88	6	7
M2	Avg.	9.06	8.85	9.06	8.85	2.69	2.95	4	4
	Min.	8.63	8.23	8.65	8.18	1.88	1.85	3	3
	Max.	9.59	9.49	9.58	9.46	3.53	3.92	6	6
М3	Avg.	8.88	8.86	8.86	8.86	2.69	2.83	4	4
	Min.	8.02	8.23	8.06	8.18	1.68	1.97	3	3
	Max.	9.64	9.37	9.63	9.41	3.64	4.09	7	7
M4	Avg.	8.80	8.74	8.82	8.76	2.89	2.89	4	4
	Min.	8.09	8.43	8.14	8.41	1.78	2.14	3	3
	Max.	9.84	9.34	9.85	9.32	3.78	3.65	7	7
Notes:									

Table 3.5 Summary of Water Quality Monitoring Results in the Reporting Month

i. "S&M": Surface and Middle, "B": Bottom.

The schedule of impact water quality monitoring in reporting month is shown in **Appendix C**.

In this reporting period, two (2) Action Level and zero (0) Limit Level exceedances of Suspended Solids was recorded on 17th December 2024 and summarized below.



4. ECOLOGICAL

4.1. INTRODUCTION

Background

Lei Yue Mun (LYM) is one of the most popular tourist attractions in Hong Kong, for its pleasant seaside ambience and excellent seafood. LYM was included in the Tourism Commission (TC)'s Tourism District Enhancement Programme to enrich Hong Kong's appeal to visitors. In 2003, initial minor improvements were completed along the LYM waterfront, and further improvement of facilities along the LYM waterfront was planned.

The Project, Lei Yue Mun Waterfront Enhancement Project is a Designated Project under the Environmental Impact Assessment Ordinance (EIAO). An EIA Report under Agreement No. CE 54/2015 (EP) (Report No.: AEIAR-219/2018) for the Project was approved under EIAO on 26 October 2018 in accordance with the EIA Study Brief (No. ESB-287/2015) and the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM). The corresponding Environmental Permit was issued (EP no.: EP-564/2018) by the Director of Environmental Protection (DEP) on 10 December 2018.

The works to be executed under Contract No. CV/2020/09 Construction of Lei Yue Mun Public Landing Facility (hereinafter called "the Contract") mainly comprise the construction of a public landing facility, a breakwater, and structural improvement works to an existing viewing platform and a lookout point. Dredging and excavation works for berthing of vessels at the new public landing facility will be involved, which might directly affect the hard coral colonies. Thus, a coral baseline survey that involves a detail coral mapping survey shall be conducted to ascertain the location, sizes, species and health status of the corals with reference to the extent of marine ecological survey indicated at Figure 9.1 of the EIA Report under the Contract.

Coral mapping surveys were conducted in March 2021, forty-four (44) octocoral colonies recorded on movable boulders shall be translocated to a coral recipient site Fat Tong Chau (FTC), Junk Bay.

Coral translocation was conducted on 20 and 21 May 2021, a total of forty-seven (47) octocoral colonies attached to movable boulders were translocated to the coral recipient site FTC, Junk Bay.

A Post-translocation Coral Survey was conducted on 21 May 2021, to monitor the health condition of the tagged colonies after coral translocation, including the tagged colonies from the donor site (i.e. the proposed dredging area at LYM) and also the tagged naturally occurring corals at the coral recipient site at Fat Tong Chau (FTC), Junk Bay.

Followed by the Post-translocation Coral Survey, Post-translocation monitoring will be conducted quarterly for one year.

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4.2. METHOD

Following coral translocation which was undertaken on 20 and 21 May 2021, 10 selected translocated coral colonies as well as the 10 tagged natural coral colonies at the recipient site will be monitored once every 3 months for a period of 12 months. The monitoring team will record the following parameters (using the same methodology adopted during the pre-translocation survey): size, presence, survival, health conditions (percentage of mortality) and percentage of sediment of each translocated coral colonies. The general environmental conditions including weather, sea, and tidal conditions of the coral recipient site will also be monitored.

Photographic records of the translocated and natural coral colonies will be taken as far as possible maintaining the same aspect and orientation as photographs taken for the pre-translocation surveys. All the tags for marking the translocated and natural coral colonies will be removed / retrieved once the monitoring programme is completed.

The results of the post-translocation monitoring surveys should be reviewed with reference to findings of the baseline survey and the data from original colonies at the recipient site.

If, during the post-translocation monitoring, observations of any die-off / abnormal conditions of the translocated corals are made, the ET will inform the Contractor, Independent Environmental Checker (IEC) / Environmental Project Office (ENPO), Agriculture, Fisheries and Conservation Department (AFCD) and in liaison with AFCD investigate any measures needed.

The results of the post-translocation monitoring will be reviewed with reference to findings of the baseline survey and the data from naturally occurring colonies at the recipient site and evaluated against Action and Limit Levels. Evaluation will be based on recorded changes in percentage of partial mortality of the corals. Action and Limit Levels are defined in **Table 4.2.1** below.

Parameter	Action Level Definition	Limit Level Definition
Mortality	If during Post-translocation Monitoring a 15% increase in the percentage of partial mortality on the corals occurs at more than 20% of the translocated coral colonies that are not recorded on the original corals at the receptor site, then the Action Level is exceeded.	If during the Post-translocation Monitoring a 25% increase in the percentage of partial mortality at more than 20% of the translocated coral colonies occurs that is not recorded at the original corals at the recipient site, then the Limit Level is exceeded.

Table 4.2.1 Action and Limit Levels for Coral Post-translocation Monitoring

Post-translocation monitoring results will be evaluated against Action and Limit Levels. Evaluation will be based on recorded changes in percentage of partial mortality of the corals. Action and Limit Levels are defined in **Table 4.2.1**.

If the defined Action Level or Limit Level for coral monitoring as listed in **Table 4.2.1** is exceeded, the actions as set out in **Table 4.2.2** will be implemented.



Table 4.2.2	Event and Action Plan for Coral Post-translocation Monitoring

Fuont	Action						
Event	ET Leader	IEC	Main Contractor				
Action Level Exceedance	 Check monitoring data; Identify the source(s) of impact; Inform the IEC and main contractor of the findings; Increase the monitoring to at least once a month to confirm findings; Liaise with AFCD to investigate any mitigation measures needed; and Propose mitigation measures for consideration. 	 Discuss monitoring with the ET; Review proposals for additional monitoring and any other measures and advise the main contractor accordingly. 	 Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET; Make the agreement on the measures to be implemented. 				
Limit Level Exceedance	1. Undertake Steps 1-5 as in the Action Level Exceedance. If further exceedance of Limit Level, propose enhancement measures for consideration.	 Discuss monitoring with the ET; Review proposals for additional monitoring and any other measures and advise the main contractor accordingly. 	 Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET; Make the agreement on the measures to be implemented. 				

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4.3. MONITORING RESULTS AND OBSERVATIONS

The final session of Post-translocation Monitoring was performed on 26 May 2022 and fulfilled the approved Coral Translocation Plan requirement (i.e. monitoring will be conducted quarterly for one year after the coral translocation work.) and additional monitoring will be conducted after the construction work.

4.4. DISCUSSION AND CONCLUSION

No Post-translocation Monitoring was performed in the reporting month.



5. WASTE

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. 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 presented in **Table 5.1**.



Joint Venture

Table 5.1 Quantities of Waste Generated from the Project as of December 2024

Monthly Summary Waste Flow Table for Year 2024

Department: CEDD

Contract : CV/2020/09 - Construction of Lei Yue Mun Public Landing Facility





Quantities of Inert C&D Materials Generated Monthly Quantities of C&D Wastes Generated Monthly Disposal at Broken Paper / Total Quantity Reused in the Alternative Plastics Reused in Disposed as Chemical Others, e.g. Imported Fill Concrete Metals Cardboard Public Fill general refuse Month Generated Contract other Projects Disposal (see Note 3) Waste (see Note 2) packaging Ground (in '000m³) (in '000kg) (in '000kg) (in '000kg) (in '000kg) (in '000m³) Est. Act. 0.02 0.02 Jan Feb 2.02 0.02 0.02 Mar 2.02 0.02 0.01 2.02 0.02 0.01 Apr May 2.02 0.02 0.005 2.02 0.02 0.01 0.005 Jun Sub-total 10.12 0.12 0.01 0.05 Jul 0.2 0.2 0.005 0.3 0.3 0.75 0.005 0.0 Aug 0.3 0.3 0.0 0.64 0.005 Sep Oct 0.2 0.2 0.0 0.005 0.2 0.2 0.0 0.005 Nov Dec 0.2 0.2 0.0 0.01 0.005 Total 11.52 1.52 10.00 1.39 0.02 0.08

Forecast of Total Quantities of C&D Materials to be Generated from the Contract											
Total Quantity Generated	Broken Concrete (see Note 2)	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposal at Alternative Disposal Ground	Imported Fill	Metals	Paper / Cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
(in '000m³)	(in '000m³)	(in '000m³)	(in '000m³)	(in '000m³)	(in '000m³)	(in '000m³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m³)
13.2	0	0	0	2.7	10.0	0	0.1	0.1	0.06	0.04	0.20

(1) The waste flow table shall also include C&D materials that are specified in the contract to be imported for use at the Site. Notes:

(2) Broken concrete for recycling into aggregates.

(3) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging material.



Architectural Services Department			Form No. D/OL.03/09.002			
Contract No. / Works Order No.: -	TCJ 517 / ASD012784		Final Submission	No		

Monthly Summary Waste Flow Table f(2024 [year] [to be submitted not later than the 15th day of each month following reporting month]

(All quantities shall be rounded off to 3 decimal places.)

	Actual Quantities of Inert Construction Waste Generated Monthly					
Month	(a)=(b)+(c)+(d)+(e) Total Quantity Generated	(b) Broken Concrete (see Note 4)	(c) Reused in the Contract	(d) Reused in other Projects	(e) Disposed of as Public Fill	
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	
Jan	0.000	0.000	0.000	0.000	0.000	
Feb	0.000	0.000	0.000	0.000	0.000	
Mar	0.000	0.000	0.000	0.000	0.000	
Apr	0.000	0.000	0.000	0.000	0.000	
May	0.044	0.000	0.000	0.000	0.044	
Jun	0.000	0.000	0.000	0.000	0.000	
Sub-total	0.044	0.000	0.000	0.000	0.044	
Jul	0.112	0.000	0.000	0.000	0.112	
Aug	0.000	0.000	0.000	0.000	0.000	
Sep	0.000	0.000	0.000	0.000	0.000	
Oct	0.000	0.000	0.000	0.000	0.000	
Nov	0.005	0.000	0.000	0.000	0.005	
Dec	0.015	0.000	0.000	0.000	0.015	
Total	0.175	0.000	0.000	0.000	0.175	

Architectural Services Department Standard Form No. oi03-09.002a First Issue Date - 20:07:2009 Current Issue Date - 18:04:2017

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6. SUMMARY OF MONITORING EXCEEDANCE, COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS

No noise-related exceedance was recorded in the reporting period.

In this reporting period, two (2) Action Level and zero (0) Limit Level exceedances of Suspended Solids was recorded on 17th December 2024. Notification of Exceedances (NOEs) has been issued to relevant parties. Investigation for the cause of exceedance was carried out by ET subsequently.

Statistics on complaints and regulatory compliance are summarized in **Appendix J**.



7. EM&A SITE INSPECTION

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 05, 12, 16 and 27 December 2024.

Environmental deficiencies were observed during weekly site inspection. Key observations during the site inspections and during the reporting period are summarized in **Table 7.1**.

Date	Environmental Observations	Follow-up Status				
Follow-up action of last month site observation(s)						
	1. Nil	1. N.A.				
Site observation	n(s) in reporting month	-				
05 December 2024	<u>CEDD</u> 1. Nil	1. N.A.				
	ASD 1. Stockpiles was observed not covered by tarpaulin sheet.	1. Stockpiles has been removed.				
12 December	<u>CEDD</u>					
2024	1. Nil	1. N.A.				
16 December	ASD 1. (Reminder) Muddy water should not deliver into sea. CEDD	1. N.A.				
2024	1. Nil	1. N.A.				
	ASD 1. Nil	1. N.A.				
27 December 2024	<u>CEDD</u> 1. Nil	1. N.A.				
	<u>ASD</u> 1. Nil	1. N.A.				

Table 7.1 Site Observations

According to the EIA Study Report, Environmental Permit, contract documents and EM&A Manual, the mitigation measures detailed in the documents should be implemented as much as practical during the reporting period. An updated Implementation Status of Environmental Mitigation Measures (EMIS) is provided in **Appendix B**.



8. **FUTURE KEY ISSUES**

Works to be undertaken in the next reporting month are:

Works Description	Location			
Contract No. CV/2020/09				
Rock excavation at landing	Landing Facility			
Contract No. TC J517				
Floor finishing	Phase 3A			
Railing installation	Phase 3A			
Concreting work	Phase 3A			
Soft landscape work	Phase 3A			
E&M equipment installation	Phase 3A			
Painting work	Phase 3A			

The major environmental impacts brought by the above construction works will include:

- Impact on water quality from inland construction works
- Construction dust and noise generation from excavation and construction works
- Waste generation from construction activities

The key environmental mitigation measures for the Project in the coming reporting period associated with the above construction works will include:

- High loading of SS in site run-off should be prevented through proper site management by the contractor.
- Seawall modification works should be undertaken during low tide, when the water level is low.
- Cover soil stockpiles to prevent materials from being wind-blown or washed away.
- Minimized surface run-off in adjacent marine waters and programmed to minimize soil excavation works during inclement weather.
- Silt curtain deployment zone should surround all relevant working areas including rock excavation zone near seaside. Weekly inspection on the silt curtain condition by the contractor to ensure the performance.
- Reduction of noise from equipment and machinery on-site
- Sorting and storage of general refuse and construction waste
- The dredging rate shall not exceed 100 m³ per hour with a maximum working period of 12 hours per day throughout the construction phase and operation phase.

Referring to EM&A Manual Section 4.6.1.1, the impact noise and water quality monitoring should be carried out at all the designated monitoring stations when there are project-related construction activities undertaken within a radius of 300m from the monitoring stations.


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9. CONCLUSIONS AND RECOMMENDATIONS

This is the 44th Monthly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 December to 31 December 2024, in accordance with the EM&A Manual and the requirement under EP-564/2018.

No noise-related exceedance was recorded in the reporting period.

In this reporting period, two (2) Action Level and zero (0) Limit Level exceedances of Suspended Solids was recorded on 17th December 2024. Notification of Exceedances (NOEs) has been issued to relevant parties. Investigation for the cause of exceedance was carried out by ET subsequently.

Weekly site inspections of the construction work by ET were carried out on 05, 12, 16 and 27 December 2024 to audit the mitigation measures implementation status. Observations were recorded on the site inspection checklists and provided to the contractors together with the appropriate follow-up actions where necessary.

Environmental site inspections were carried out on 05, 12, 16 and 27 December 2024. The contractor was reminded to regular maintain the silt curtain to ensure a good efficiency of performance.

No environmental complaint was received in the reporting period.

No notification of summons or prosecution was received since commencement of the Contract.

Agreed with the EIA prediction in Section 14.2.4.4, with the adoption of good site practice, quiet PME and noise barriers/enclosure, the noise levels at all the representative NSRs complied with the EIAO-TM noise criteria. The comparison between the EM&A data in the reporting month and the most updated noise level prediction as presented in the Noise Mitigation Plan (NMP) is presented in **Table 9.1**.

Table 9.1 Comparison between the EM&A Data in the Reporting Month and the UpdatedNoise Level Predictions

EIA Noise Assessment Point (NAP)	Prediction [dB(A)]	EM&A Monitoring Station	Noise Levels [db(A)]
HPRC V1	62-72	NM1	55.7 - 61.0
HPRE 75B*	55-75	NM2-A	54.1 - 58.0
LYMP	70	NM3	57.9 - 63.6
HPRE 21C	67-75	NM4	66.4 - 71.1

*NM2-A is located between NAPs HPRE 75B and HPRE 81, with lack of data in the NMP, the EIA prediction was used instead.

The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.





<u>Appendix A</u> <u>Master Programme</u>

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					CEDI	D Contract No.	CV/2020/0	9														
Act	Description	Orig Early	Early	Constr Total 20	uction of	f Lei Yue Mun I	Public Land	ing Facilit	y				2022		0.00				2023			
ID	Description	Dur Start	Finish	Float	EC JAN	HEB MAR APR M	AY JUN JUL	AUG SEP		DEC JAN	FEB MAR A	PR MAY S	UN JUL	AUG SEP		DEC J/	AN FEB	MAR A	PR MAY	JUN J	UL AU	G SEP
Key Dates																						
Contract Date	and Starting Date	A 4505000 A		_																		
K1-1000	Acceptance of lender	0 15DEC20A			ſ																	
Completion D	Commencement of the Works	U 29DEC20A			1 III																	
K2-1000	Section 1 of the Works		30APR23 *	0															•			
K2-1010	Section 2 of the Works	0	30APR23 *																•			
K2-1020	Section 3 of the Works	0	28FEB22 A																			
K2-1100	Whole of the Works	0	30APR23 *	0															••			
Site Access D	ates	, °	00/11/120	Ů																		
K3-1000	Access to Part A of the Site	0 29DEC20 A																				
K3-1010	Access to Part B of the Site	0 29DEC20 A			•																	
K3-1020	Access to Part C of the Site	0 24DEC21 A								•												
K3-1030	Access to Part D of the Site	0 29DEC20 A			•																	
K3-1040	Access to Part E of the Site	0 29DEC20 A																				
K3-1050	Access to Part F of the Site	0 29DEC20 A			•																	
Bill No. 1 - Prelir	minaries																					
General Prelin	ninaries		1																			
B1-1000	Statutory Notifications (LD/EPD/CIC/PCFB)	28 15DEC20 A	11JAN21 A	11																		
B1-1010	Notification of Marine Works	21 28JAN21 A	17FEB21 A																			
B1-1100	General Site Clearance	28 29DEC20 A	25JAN21 A																			
B1-1200	Provision of Land Transport for PM	7 29DEC20 A	04JAN21 A																			
B1-1210	Provision of 24-hr Telephone Hotline	7 29DEC20 A	04JAN21 A										(
B1-1220	Design of Project Website	38 22FEB21A	30MAR21 A																			
B1-1300	Initial lopographic Survey	21 05JAN21 A	25JAN21 A																			
B1-1301	Condition Survey	10 10AUG21A	19AUG21A																			
B1-1310	Establishment of Structural Monitoring	14 26 JAN21 A	09EEB21A			1																
B1-1320	Trop Suprov & Trop Pick According	10 10 IAN21 A	28 JAN21 A	-		L		-														
B1-1410	Tree Felling	10 10JAN21A	07EEB21 A																			
B1-1500	Submission of Noise Management Plan	30 01APR21A	30APR21 A			•																
Site Establish	ment	30 01/11/21/1	00/11/021/1																			
B1-2000	Erection of Site Hoarding	21 05JAN21 A	25JAN21 A		⊾≝																	
B1-2100	Provision of Contractor's Site Accommodation	28 12JAN21 A	08FEB21A		┙╨																	
B1-2110	Provision of PM's Principal Site Office	31 12APR21 A	12MAY21 A																			
B1-2120	Provision of PM's Container Site Office	31 26APR21 A	26MAY21 A																			
B1-2200	Erection of Project Signboard	7 09JUL22 A	15JUL22 A										₩-0									
Coral Related	Works																					
B1-3000	Coral Baseline Survey	2 05MAR21 A	06MAR21 A			4																
B1-3100	Coral Translocation	2 20MAY21 A	21MAY21 A																			
B1-3110	Coral Survey of Translocated Coral Colonies	2 22MAY21 A	23MAY21 A			•																
B1-3200	Final Coral Survey	14 18FEB23 A	16MAY23	-16d																		
Bill No. 2 - Land	ing Facility & Seawall																					
Site Clearance		7 0055004.4	0055004.4																			
B2-1000	Demointion of Existing Squatter	7 02FEB2TA	04FEB21A			1																
B2-1010 B2 1020	Perioval of Existing Gabion Wall at Part B	7 20JAN21A	08EEP21A				-															
Ground Investi	action	/ OZFEBZTA	USPEBZIA			1																
B2-2000	Mobilization of Drilling Rig	2 28.JAN21 A	29JAN21 A		L																	
B2-2010	Pre-drilling (13 Nos. Drillholes)	48 30JAN21 A	18MAR21 A																			
Pipe Pile Wall		1	1																			
B2-3000	Mobilization of Piling Plant	7 14JUN21 A	20JUN21 A																			
B2-3010	Installation of Silt Curtain	7 14JUN21 A	20JUN21 A																			
B2-3020	Installation & Grouting of Pipe Piles (86 Nos.)	260 02JUL21 A	18MAR22 A				•															

					Constru	CEDD Contrac	ot No. CV/2020/09 Mun Public Landing F	acility			
Act ID	Description	Orig Dur	Early Start	Early Finish	Total 2020 Float) ; JAN FEB MAR A	2021 APR MAY JUN JUL AUG	SEP OCT NOV DEC	2022 C Jan Feb Mar Apr May Jun Ji	JL AUG SEP OCT NOV DEC	2023 Jan Feb Mar Apr May Jun Jul Aug Sep
B2-3030	Construction of Capping Beam & Panel Wall	100	23AUG22 A	28NOV22 A						+	9992 H M 1997 SAN (200 SAN 6553 SAN 65
Socketted Steel	H-piles										
B2-4000	Mobilization of Piling Plant	1	05NOV21 A	05NOV21 A		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		••••••••••••••••••••••••••••••••••••••			
B2-4010	Construction of Preliminary Pile	3	06NOV21 A	08NOV21 A							
B2-4020	Construction of Main Piles (34 Nos.)	108	09NOV21 A	24FEB22A				f			
B2-4030	Grouting of Main Piles (34 Nos.)	38	08APR22 A	16MAY22 A							
B2-4100	Setup of Pile Testing Equipment	4	21MAR22 A	24MAR22 A							
B2-4110	Pile Load Test (1 No.)	8	25MAR22 A	04APR22A							
B2-4200	Mobilization of Drilling Rig	4	17MAY22 A	20MAY22 A							
B2-4210	Post-construction Proof Drilling (4 NoS.)	14	21MAY22 A	10JUN22 A							
Dredging and S	loping Seawall										
B2-5000	Mobilization of Excavation Plant	5	05NOV21 A	09NOV21 A				₽			
B2-5100	Rock Excavation (Land-based)	500	10NOV21 A	31MAR23	-89d						
B2-5200	Marine Dredging	10	13SEP21 A	22\$EP21 A							
B2-5300	Placing of Levelling Stones	60	20NOV22 A	28APR23	-27d						
B2-5310	Installation of Seawall Blocks	60	25JAN23 A	05MAY23	-27d						
B2-5320	Placing of Rock Armours	60	01FEB23 A	12MAY23	-27d						
Vertical Seawal											
B2-6000	Excavation to Formation Level (Bay 1)	14	28APR22 A	11MAY22 A							
B2-6010	Excavation to Formation Level (Bay 2)	14	110CT22 A	240CT22 A						⊢ ,	
B2-6100	Placing of Rock Fill Foundation (Bay 1)	21	12MAY22 A	01JUN22 A							
B2-6110	Placing of Levelling Stones (Bay 2)	12	29DEC22 A	09JAN23 A					F.		
B2-6120	Placing of Seawall Blocks (Bay 2)	3	10JAN23 A	12JAN23 A							4
B2-6200	R.C. Wall w/ Granite Facing (Bay 1)	70	02JUN22 A	100CT22 A					l l l l l l l l l l l l l l l l l l l		
B2-6210	R.C. Wall w/ Granite Facing (Bay 2)	18	15JAN23 A	01FEB23 A							
B2-6220	Backfilling behind R.C. Wall	7	02FEB23 A	08FEB23 A							
B2-6400	Placing of Rock Armours (Bay 1)	7	190CT22 A	250CT22 A							
B2-6410	Placing of Rock Armours (Bay 2)	7	13JAN23 A	19JAN23 A							
Linking Structure	2										
B2-6500	Construction of Main Piles (4 Nos.)	21	16APR22 A	06MAY22 A					T		
B2-6600	Cast in-situ Pile Cap (PB13)	14	21JAN23 A	03FEB23 A		1 1 0 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1					
Landing Steps a	nd Decking										
B2-7000	Installation of Precast Pile Cap Walls (PW1-PW7)	49	29APR23	16JUN23	-87d						
B2-7020	Installation of Precast Stringer Beams	21	20MAY23	09JUN23	-80d						
B2-7030	Installation of Precast Tie Beams (B1-B5)	21	20MAY23	09JUN23	-80d						
B2-7100	Cast in-situ Pile Caps (PB9-PB12)	60	10FEB23 A	31MAR23	-89d						
B2-7101	Cast In-situ Pile Caps (PB1-PB3)	21	01APR23	21APR23	-89d						
B2-7102	Cast in-situ Pile Caps (PB4-PB8)	75	01APR23	14JUN23	-89d						
B2-7200	Installation of Precast Decking Slabs (S1-S17)	14	15JUN23	28JUN23	-89d						
B2-7210	Installation of Precast Ramps	5	29JUN23	03JUL23	-89d						
B2-7300	Installation of Precast Landing Slabs (L1-L5)	5	04JUL23	08JUL23	-89d						
B2-7310	Installation of Precast Landing Steps (L6-L8)	3	09JUL23	11JUL23	-89d						
Ancillary Works		_									
B2-8000	Installation of Corrosion Monitoring System	75	01APR23	14JUN23	-59d						
B2-8010	lesting of Corrosion Monitoring System	14	15JUN23	28JUN23	-59d						
B2-8100	Fabrication of Fender Walling	30	01APR23 *	30APR23	-40d						
B2-8110	Installation of Fender System	30	17JUN23	16JUL23	-8/d						
B2-8200	Installation of Cathodic Protection System	21	17JUN23	07JUL23	-75d						
B2-8300	Installation of Mooring Bollards	28	18MAY23	14JUN23	-450						
B2-8400	Installation of Statifies Steel Handralling	10	12JUL23	21JUL23	-89d						
B2-8500	Installation of Marine Notice Board	7	12JUL23	18JUL23	-/9d						
B2-8510	Installation of Structure Nr Plate & Into Plate	7	12JUL23	18JUL23	-/90						
BZ-0000	vacation of Site Area	7	ZZJULZ3	20JUL23	-89d						

					Cons	CEI struction	DD Co of Lei	ntract N Yue Mu	lo. CV/2020 ın Public Laı	/09 Iding Fa	acility									
Act	Description	Orig	Early	Early	Total	2020 DECJAN	FEB A	IAR APR	2021 MAY JUN JI	L AUG	SEP OCT NOV DEC JAN FEB	MAR APR MA	2022 7 JUN JUL	AUG SEP	DCT NOV DEC.	JAN FEB	MAR APR	2023 MAY JI	IN JUL	AUG SEP
Dill No. 2. Desets	valor.	Dur	Start	Finish	Float								1							
Ground Investion	vater																			
B3-2000	Mobilization of Drilling Rig & Jackup Barge	3	08JUN21 A	10JUN21 A					.											
B3-2010	Pre-drilling (8 Nos. Drillholes)	33	11JUN21 A	13JUL21 A																
Temporary Worl	king Platform									1								-		
B3-1000	Installation of Silt Curtain	3	04NOV21 A	06NOV21 A							H									
B3-1100	Submission of Temporary Works Design	54	110CT21 A	03DEC21 A																
B3-1200	Installation of Temporary Piles	24	28DEC21 A	20JAN22 A																
B3-1210	Installation of Temporary Working Platform	30	31DEC21 A	29JAN22 A							▶====									
Socketted Stee	H-piles																			
B3-3000	Mobilization of Piling Plant	7	11MAR22 A	17MAR22 A								*••								
B3-3010	Construction of Preliminary Piles	23	24MAR22 A	15APR22 A								₽+8000								
B3-3020	Construction of Main Piles (34 Nos.)	113	16APR22 A	06AUG22 A								-								
B3-3100	Setup of Pile Testing Equipment	5	06JUL22 A	10JUL22 A									111							
B3-3110	Pile Load Test (2 Nos.)	20	11JUL22 A	30JUL22 A																
Breakwater Stru	icture																			
B3-4000	Modification of Temporary Working Platform	28	01SEP22A	28SEP22 A																
B3-4010	Modification of Pile Heads (PMI No.55)	80	21NOV22 A	08FEB23 A																
B3-4100	Cast In-situ Pile Caps (PB14 & PB15)	120	280CT22 A	28FEB23 A													<u>++</u> ++++++++++++++++++++++++++++++++++			
B3-4110	Cast In-situ Breakwater Tip Pile Cap (BW2)	18	28FEB23	17MAR23	-87d															
B3-4120	Protective Coating on Pile Caps	18	18MAR23	04APR23	-63d													÷		
B3-4200	Installation of Precast Frame Units (BW1 x 10)	14	29APR23	12MAY23	-87d															
B3-4210	Installation of Precast Frame Unit (BW3)	7	03JUN23	09JUN23	-53d															
B3-4400	Removal of Temporary Working Platform	14	18MAR23	31MAR23	30d													_		
Ancillary Works	Jastallation of Novigation Links Deat	40	40.0000	40.000	504															
B3-5100	Installation of Navigation Light Post	10	10JUN23	19JUN23	-530													7		
Bill No. 4 - Looko	t Point and Viewing Platform	3	20301023	22301123	-030														2	
Improvement W	orks at Lookout Point																			
B4-1000	Demolition of Existing Wall	7	10MAY21 A	16MAY21 A					- -											
B4-1100	Levelling of Existing Beach	14	17MAY21 A	31MAY21 A					-											
B4-1200	Mobilization of Piling Plant	4	07JUN21 A	10JUN21 A					4											
B4-1210	Installation of Pipe Piles (40 Nos.)	74	11JUN21 A	23AUG21 A					Firm											
B4-1220	Trimming of Pipe Piles for Wall Openings	7	10SEP21 A	16SEP21 A																
B4-1230	Infill Grouting of Pipe Piles	7	09OCT21 A	06NOV21 A																
B4-1280	Demobilization and Site Preparation	21	28NOV21 A	18DEC21 A																
B4-1290	Excavation and Placing of Concrete Blinding	24	28DEC21 A	20JAN22 A		1														
B4-1300	Casting of Skin Wall	37	28JAN22 A	05MAR22 A		1														
B4-1400	Laying of Concrete Paving	0	13MAR22 A	19MAR22 A																
Improvement W	orks at Viewing Platform																			
B4-2000	Relocation of Existing Gabion Blocks	6	10SEP21 A	15SEP21 A						1 1	<u>5</u>									
B4-2010	Temporary Modification of Existing Drainage	29	18AUG21 A	15SEP21 A						-										
B4-2100	Mobilization of Piling Plant	7	16SEP21 A	22SEP21 A																
B4-2110	Installation of Pipe Piles (30 Nos.)	47	250CT21 A	10DEC21 A																
B4-2120	Infill Grouting of Pipe Piles	6	11DEC21 A	16DEC21 A							₽									
B4-2130	Demobilization and Site Preparation	10	17DEC21 A	26DEC21 A																
B4-2200	Excavation to Formation Level	20	19JAN22 A	07FEB22A																
B4-2210	Placing of Levelling Stones	2	08FEB22 A	09FEB22 A																
B4-2219	Precasting of Seawall Blocks	35	22DEC21 A	25JAN22 A																
B4-2220	Installation of Seawall Blocks	2	10FEB22 A	11FEB22 A									Jan Hi					1886		
B4-2221	Precasting of Concrete Backing w/ Granite Facing	39	22DEC21 A	29JAN22 A																
B4-2230	Placing of Concrete Blinding	2	21FEB22 A	22FEB22 A							<u>+</u>									
B4-2240	Installation of Concrete Backing	2	21FEB22 A	22FEB22 A																
B4-2250	Cast in-situ Concrete Coping	8	01MAR22 A	08MAR22 A																

	CEDD Contract No. CV/2020/09 Construction of Lei Yue Mun Public Landing Facility																																	
Act ID	Description	Orig Dur	Early Start	Early Finish	Total Float	2020 DEC	JAN	FEB MAR	APR M	AY JU	2021 UN JUL	AUG S	SEP C	OCT N	OV DE	C JAN	I FEB	MAR	APR M	AY J	2022 UN JI	UL AU	JG SE	P OC	T NOV	DEC	JAN	FEB N	MAR /	20: APR M.	3 AY JUN	I JUL	IL AL	UG SEP
B4-2260	Installation of Geotextile Filter	2	22FEB22 A	23FEB22 A													H														8			
B4-2300	Backfilling behind Concrete Backing & Coping	13	24FEB22 A	12MAR22 A																													1	
B4-2400	Installation of Enhanced Seawall Panels	0	05JUN23 *	04JUN23	-35d																										*			
B4-2500	Laying of Concrete Paving	0	13MAR22 A	13MAR22 A																														
B4-2600	Vacation of Site Area	3	20MAR22 A	22MAR22 A														-																
Completion and I	landover																																	
Sectional Com	pletion																																	
C1-1000	Completion of Section 1 of the Works	0		28JUL23	-89d																											111	<u>۲</u>	
C1-1010	Completion of Section 2 of the Works	0		22JUN23	-53d																										4			
C1-1020	Completion of Section 3 of the Works	0		22MAR22 A														•																
Final Completion	on second se																																	
C1-2000	Final Survey & Submission of As-built Records	28	01JUL23	28JUL23	-89d																									. Ę.			.	
C1-2100	Handover of the Works to the Employer	0		28JUL23	-89d																												1	
C1-2200	Completion of Whole of the Works	0		28JUL23	-89d																												₩	

0111111	1505000		I	- Data	D		
Start date	15DEC20		Early bar	Date	Revision	Checked	Approved
Must finish date	30APR23		Progress bar	28FEB23		ZYW	TSL
			Critical bar				
		CONSTRUCTION PROGRAMME	Start milestone point				
© Primavera S	ystems, Inc.		Finish milestone poi	t			

Project Ref: CHKRJV

CV/2020/09 Contract:

Steer Ferder & Derects Hor	ks Schedule (Detail)									4 0	_																		M 04												_							_
Date 2624_5503					_	_	_			Apr-2-	•	_		_							_			_			_	_	May-24	_	_		_	_	_	_						4	Jun-	-Z4		4		
Item	製造工序	40	4/2 4/	3 4/4	4/5 4/6	4/7 4/8	4/9 4/10	4/11 4/1	2 4/13 4/1	4 4/15 4	16 4/17	4/18 4/19	4/20 4	k21 4/22	4/23 4	124 4125	4/26 4/27	4/28 4	29 4/30	51 5	2 5/3	5/4 5/5	5/6 5/	7 5/8	5/9 5/10	0 5/11	5/12 5/1	3 5/14 5	5/15 5/1	5 5/17 5	18 5/19	5/20 5/2	1 5/22 :	5/23 5/24	525 52	6 5/27 1	5128 5129	5/30 5/3	1 6/1 6	5/2 6/3	64 6/	5 6/6 6	6/7 6/9	8 69	6'10 6'1	1 6/12	613 614	6/15 6/16
Piling Works	Milestone (Total 422 Nos.)	1	Z 3	3	3 3	4	4 4	4	- 4	5	5 5	5 5	5	5	5	5 5	5 5		5 5		5 5	5	5 8	5	5 5	5	5	5	5	5	5	5 5	5	5 5	5	5	5 5	5 5	5	5	5 5	j 5	5 5	1	5	5	5 5	5
Current Updated Scheduel	Actual	1	1 4	0	3 4	- 4	7 7	8 6	4	5	6 9	8 5	4	4	7	9 5	4 7		4 6																													
(1 Plant)																																																
	Milestone Total:																		109																													
	Actual Total:																		128																													
Rock Excavation	Milestone Grid																																										-			+		
	Milestone (Total 260 m2)																_											-						_			_						-			+		
	Actual Grid			-													_												Ear	ly Start Ex	avation	by KY										++	-			+		
	Actual			-								_				_	-		- 1		-									1		Ľ –		-			_						-			+	_	
	10100					Jun-24					_						-	-	Jul-24		_						_											А	ug-24			a starter a	and the second se			de la competencia de la compet		
Item	翦结工序	6/1	6/18 6/	19 6/20 1	21 6/22 1	123 6/24	6/25 6/26	6/27 6/2	8 6/29 6/3	0 7/1 7	2 7/3	7/4 7/5	7/6	7/7 7/8	7/9 7	/10 7/11	7/12 7/13	7/14 7/	15 7/16	7/17 7/	18 7/19 1	7/20 7/21	1 7/22 75	23 7/24	7/25 7/20	6 7/27	7/28 7/2	9 7/30 7	7/31 8/1	8/2 8	/3 8/4	8/5 8/	i 8/7	8/8 8/9	8/10 8/1	1 8(12 4	3/13 8/14	8/15 8/1	6 8/17 B	8/18 8/19	8/20 8/2	21 8/22 8	8/23 8/2	24 8/25	8/26 8/2	7 8/28	8/29 8/30	8/31 9/1
Piling Works	Milestone (Total 422 Nos.)	6	5 5	5	6 5	4	4 4		4		4 4	4 4			4	4 4	3 2		3 3	3 3	3	2	3 3	3	2 2	1.1								_									_			_		
Current Updated Scheduel	Actual																										×							_			-					+++	+		-+	+		
(1 Plant)				-			_									_					-							-						_			_					++	+		-+	+	_	
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ROCK EXCavation	milestone Grid																	_						ALC: N		1.1		1.					1.1						_	UND'L		<u></u>				1.1		
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	Actual Grid			-	_							_				_	_				-				_				_					_			_						-	_		+	_	
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liam	制体工度	05	02 0	4 016	0/6 0/7	0.2 0.0	0140 0141	042 04	0/14 0/4	s ous o	+	0/10 0/20	0.24	122 0.122	a124 C	126 0126	0/27 0/26		120 4014	102 1/	10 1011	10/6 10/6	107 40	10 10/0	10/10 10/1	11 10/12	10/12 10/	14 10115 11	001024	7 10/19 1/	10 10/25	10204 102	0 10/02 1	0124 1022	10196 107	17 10 10 1	0/20 40/20	10/24 14/	4 44/0 4	122 144	14/15 1.4	10 117 1	4410 447	0011110	44144 442	10 1111	44244 44146	4/40 44/40
Reak Dalling & Execution	秋道山川市 Milesters (Tatal 422 Mas.)	517	5,5 51	4 80	5/0 5/1	30 33	310 311	5112 511	5 314 31	3 5/10 5/	17 3 15	315 5/20	51211 3	122 3123	3764	123 3129	5/21 5/20	5/45 5	30 10/1	10.2	13 10.4	1013 1016	5 107 10	16 10/5	10/10/10/1	11 14 12	1015 10	14 10/13 1	O'IO IWI	7 10/16 10	115 10/2/	10/211 10/2	2 10/28	0/24 10/2	010420 100	21 10/28 1	0/25 10/34	TW91 Th	1 1/24 1	115 1154	1115 114	10 107 1	116 118	E TITLE	1141111	2 11/15	7014 1615	7/15 THILE
Rock brining & Excavation	intestone (Total 422 Nos.)			-	-							_				_					-	_							_								_					++	+		-+	+	_	_
(1 Plant)	Actual			-	_					-		_				_					-	_						-	-					_			-	\vdash	-			++	+		-+	+		_
(*******				-	-		_					_									_	-						-	_				-				_		-			++	+	_	\rightarrow	+	_	
	Milestone Total:			_	_							_					_				_													_			_						—	_			_	
	Actual Total:				_							_					_												_								_						_		<u> </u>			
																						_															_						_	_		_		
Rock Excavation	Mile Stone (Total 260 m2)		DE	_		_				Gris	IC-D			_																							_					\rightarrow	+		$ \rightarrow $	\rightarrow		
	Mile Stone (Total 260 m2)	3	3 3	3	3 3	3	3 3	3 3	3	3		3 3	3	2	2	2 2	2 2		2																								_					
	Actual Grid																																															
	Actual																																															

Project Ref: CHKRJV CV/2020/09

Contract:



Contract No. PI 2/2020 Environmental Monitoring Works for Lei Yue Mun Waterfront Enhancement Project 44th Monthly EM&A Report (December 2024)



: Mas	er Programme						
IS .	任务名称	Juration	Start Linis: Qtr 4, 2023	Qtr 1, 2024	Qur 2, 2024	Qur 3, 2024 QL	r 4, 2024 Q.r 1, 2025
	Commencement Date	0 days	Wed 29/11/23Wed 29/11/23	29/11			
	Original Completion Date	0 days	Fri 13/9/24 Fri 13/9/24			13/9	
	Preparation Works	152 days	Wed 29/11/2:Tue 7/5/24				
	Site possession	21 days	Wed 29/11/25Tue 19/12/23				
	CEDD rectification work	84 days	Wed 29/11/25Thu 29/2/24				
	Submission & approval of design package	83 days	Thu 25/1/24 Thu 25/4/24				
.1	Preparation structure submission package (DfMA column + DfMA roof system)	53 days	Thu 25/1/24 Tue 26/3/24				
3.2	Approval of structural package	30 days	Wed 27/3/24 Thu 25/4/24				
L .	Submission & approval of shop drawing	43 days	Tue 26/3/24 Tue 7/5/24				
.1	Preparing of shop drawing (DfMA column + DfMA roof system)	22 days	Tue 26/3/24 Tue 16/4/24		· · · · · · · · · · · · · · · · · · ·		
.2	Approval of shop drawing	21 days	Wed 17/4/24 Tue 7/5/24				
	Underground Utilities (by Builder)	289 days	Sat 16/3/24 Sun 29/12/24				
	Installation of U/G cable duct	15 days	Sat 16/3/24 Sat 30/3/24		••••		
2	Plumbing System for Phase	30 days	Sat 30/11/24 Sun 29/12/24				
2.1	Installation of water pipe at U/G	15 days	Sat 30/11/24 Sat 14/12/24				
2.2	T&C for plumbing system	15 days	Sun 15/12/24 Sun 29/12/24				-
	Hard Landscape Works	235 days	Tue 30/4/24 Fri 20/12/24				
1	Laying concrete block	14 days	Sat 23/11/24 Fri 6/12/24				
2	Construction of R.C. planter 2	14 days	Sat 23/11/24 Fri 6/12/24				•
3	Construction of R.C. ramp & staircase	10 days	Sat 7/12/24 Mon 16/12/24				
4 -	Installation of metal grill wall	5 days	Sat 7/12/24 Wed 11/12/24				T.
-	Installation of balustrade	/ days	Thu 12/12/24 Wed 18/12/24				+
7	Preparation work for granite floor tile (c/s screeding)	7 days	Sat 7/12/24 Ff 13/12/24				
/	Laying granite noor the	14 0895	Sat 14/12/24 FII 27/12/24				
	DfMA Column, Beam and Slab	223 days	Sun 14/4/24 Fri 22/11/24				
L	Material ordering (steel & rebar)	15 days	Sun 14/4/24 Sun 28/4/24				
2	Sampling of material (including factory inspection)	21 days	Mon 29/4/24 Sun 19/5/24				
3	Fabrication of DTMA column, beam and slab	53 days	Mon 29/4/24 Thu 20/6/24			1	
3.2	Fabrication of DfMA column, hearn and slab	28 days	Fri 24/5/24 Thu 20/6/24		*		
4	Eabrication of DfMA roof system	155 days	Mon 20/5/24 Mon 21/10/24				
4.1	Hop dip galvanizing of steel roof	2 days	Mon 20/5/24 Tue 21/5/24			,	
4.2	Fabrication of precast bracket	7 days	Wed 22/5/24 Tue 28/5/24		×		
4.3	Trial installation of steel frame	1 day	Sun 22/9/24 Sun 22/9/24			M I I I I I I I I I I I I I I I I I I I	
4.4	Fabrication of steel frame	60 days	Fri 23/8/24 Mon 21/10/24			· · · · · · · · · · · · · · · · · · ·	
5	Delivery and Installation of DfMA column, beam and slab	137 days	Fri 21/6/24 Mon 4/11/24			l _	
5.1	Delivery of DfMA slab	7 days	Fri 21/6/24 Thu 27/6/24				
5.2	Installation of precast slab elements	7 days	Fri 28/6/24 Thu 4/7/24			-	
5.3	Delivery of DfMA column, beam	2 days	Tue 22/10/24 Wed 23/10/24				
5.4	Setting up of temporary propping system for DfMA beam and elements	5 days	Thu 24/10/24 Mon 28/10/24				
5.5 e	Instantion of precast column & beam	/ days	Tue 23/10/24 Mon 4/11/24				
C 1	Delivery and installation of DriviA root	32 days	Tue 22/10/24 Fri 22/11/24				
6.2	Installation of steel frame	13 days	Tue 5/11/24 Sun 17/11/24				- T
6.3	Sealing up and making good works	5 days	Mon 18/11/24 Fri 22/11/24				
	BS Installation incl. T & C for Phase 3B	39 days	Sat 23/11/24 Tue 31/12/24				
1	Wiring work	15 days	Sat 23/11/24 Sat 7/12/24				*
z	Lighting installation	14 days	Sun 8/12/24 Sat 21/12/24				- I 🛌
3	T&C for electrical system	10 days	Sun 22/12/24 Tue 31/12/24				· · · · · · · · · · · · · · · · · · ·
	Phase 3B Soft Landscape Works	14 days	Sat 7/12/24 Eri 20/12/24				
1	Planting Soil Work	7 days	Sat 7/12/24 Fri 13/17/24				L ≟ , 1
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<u>Appendix B</u> <u>Summary of Implementation Status of</u> <u>Environmental</u> <u>Mitigation</u>

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Appendix B IMPLEMENTATION SCHEDULE OF THE PROPOSED MITIGATION MEASURES

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation	Imple St	menta tages	ation *	Relevant Legislation and
	Mitigation Measures		Agent	Des	С	0	Guidelines
S3.7.1.1	 Sufficient dust suppression measures as stipulated under the Air Pollution Control (Construction Dust) Regulation (Cap 311R) and good site practices should be properly implemented in order to minimise the construction dust generated. The measures include the followings: Use of regular watering, to reduce dust emissions from exposed site surfaces and unpaved roads particularly during dry weather; Use of frequent watering of particular dusty construction areas close to ASRs; 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 should be applied to aggregate fines; Open temporary stockpiles should be avoided or covered. Prevent placing dusty material storage plies near ASRs; Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations; Establishment and use of vehicle wheel and body washing facilities at the exit point of the site; Imposition of speed control for vehicles on unpaved site roads. 8 km/hr is the recommended limit; Routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs. 	Works sites / throughout the construction period	Contractor		V		 Air Pollution Control (Amendment) Ordinance 2013 (APCO) (Cap 311) Technical Memorandum on the Environmental Impact Assessment Process (EIAO- TM) Air Pollution Control (Construction Dust) Regulation (Cap 311R) Air Pollution Control (Non- road Mobile Machinery) (Emission) Regulation.

Table B.1 Implementation Schedule for Air Quality Mitigation Measures

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation	Imple S [.]	ment tages	ation *	Relevant Legislation and
	Mitigation Measures		Agent	Des	С	0	Guidelines
S3.7.1.2	 Guidelines stipulated in EPD's Recommended Pollution Control Clauses for Construction Contracts should also be incorporated in the contract documents to abate dust impacts. The clauses include: The Contractor shall observe and comply with the Air Pollution Control Ordinance and its subsidiary regulations, particularly the Air Pollution Control (Open Burning) Regulation, Air Pollution Control (Construction Dust) Regulation and Air Pollution (Smoke) Regulation. The Contractor shall undertake at all times to prevent dust nuisance and smoke as a result of the construction activities. The Contractor shall ensure that there will be adequate water supply / storage for dust suppression. The Contractor shall devise, arrange methods of working and carrying out the works in such a manner so as to minimise dust impacts on the surrounding environment, and shall provide experienced personnel with suitable training to ensure that these methods are implemented. Before the commencement of any work, the Contractor may require to submit the methods of working, plant, equipment and air pollution control system to be used on the site for the Engineer inspection and approval. 	Works sites / throughout the construction period	Contractor				 EPD's Recommended Pollution Control Clauses for Construction Contracts

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation	Imple Si	ment tages	ation *	Relevant Legislation and
	Mitigation Measures		Agent	Des	С	0	Guidelines
S3.7.3.1	Loading of the dredged sediment to the barge should be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water. Any dredged sediment should be stored in enclosed tanks or properly covered as far as practicable to minimise its exposed area during its temporary storage and should be placed as far away from the identified ASRs as practically possible. Dredging rate should be controlled carefully. The dredged sediment will be delivered off-site for disposal every day to avoid storing at the barge overnight. Dredged sediment placed on marine vessel for disposal should also be properly covered during transportation. Dredging activities should be conducted during non-summer season as far as possible.	Works sites / during dredging, handling of dredged materials	Contractor		\checkmark	\checkmark	 APCO EIAO-TM Air Pollution Control (Construction Dust) Regulation (Cap 311R) Air Pollution Control (Non- road Mobile Machinery) (Emission) Regulation.

Table B.2 Implementation Schedule for Noise Mitigation Measures

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation	Imple S [.]	ment tages	ation *	Relevant Legislation and
	Mitigation Measures	3	Agent	Des	С	0	Guidelines
S4.8.1.3	 Good Site Practice Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program; Silencers or mufflers on construction equipment should be utilised and should be properly maintained during the construction program; Mobile plant, if any, should be sited as far from NSRs as possible; Machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; and Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs. 	Work sites /during construction stage	Contractor		V		 Noise Control Ordinance (NCO) EIAO-TM Technical Memorandum on Noise from Construction Work other than Percussive Piling (GW-TM) Recommended Pollution Control Clauses for Construction Contracts
S4.8.1.4	The "Recommended Pollution Control Clauses for Construction Contracts" published by the EPD should be adopted in the Contract Specification for the Contractors to follow and implement relevant measures and good site practices in minimising noise impact.	Works sites / during construction stage	Contractor		\checkmark		Ditto

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation	Implementation Stages*			Relevant Legislation and
	Mitigation Measures	Ū	Agent	Des	С	0	Guidelines
S4.8.1.5, S4.8.1.6	Quiet Powered Mechanical Equipment	Work sites /during construction stage	Contractor		V		Ditto
& Table 4.5	Use of quiet plant which should be made reference to the Powered Mechanical Equipment (PME) listed in the Technical Memorandum or the Quality Powered Mechanical Equipment (QPME) / other commonly used PME listed in Environmental Protection Department (EPD) web pages as far as possible which includes the Sound Power Level (SWLs) for specific quiet PME.						
S4.8.1.7 & S4.8.1.8	Noise Barriers and Noise Enclosure The Contractor will be responsible for design of the movable noise barrier with due consideration given to the size of the PME and the requirement of intercepting the line of sight between the NSRs and PME. The movable noise barrier should have a minimum surface density of 10 kg/m ² and it should have no openings or gaps. Portable noise enclosure should be used, as far as practicable, to mitigate the noise impacts arising from the use of handheld breaker, air compressor, compactor (vibratory) and drill/grinder, hand-held electric at some work areas (i.e. works areas LP3, LP4, LP5 and ST) where locate very close to the NSRs.	Work sites /during construction stage	Contractor		V		Ditto

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation	Imple St	menta ages	ation *	Relevant Legislation and
	Mitigation Measures		Agent	Des	С	0	Guidelines
S4.8.1.10	The streetscape improvement works should not be carried out within 10 m from Jockey Club Lei Yue Mun Plus (LYMP) during the time when LYMP is used for any noise sensitive purposes, such as holding courses or workshops. In addition, the beautification works at work areas LP1 should not be conducted during examination period. The Contractor should liaise with the operator of LYMP to obtain the updated schedule of courses, workshops and examination at the time of conducting the relevant construction works.	Work sites /during construction stage	Contractor		~		Ditto
S4.8.2.6	Since conducting sewerage construction works and streetscape improvement works may involve repeated construction works at the same location, the ArchSD would closely liaise with DSD and their contractors in planning the interfacing works to minimise duplicated/concurrent construction works, including exploring the possibility of entrusting the streetscape improvement works to DSD, so as to minimise nuisance to nearby sensitive receivers such as residents, shops, restaurants and educational institution as far as practicable.	Work sites / during construction stage	Project Proponent / Contractor		\checkmark		Ditto
	Before commencing noisy construction works, such as road breaking works, in the vicinity of the NSRs, the Contractor would closely liaise with the affected NSRs to keep them informed of the works and should strive to complete the works in the shortest time possible. To minimise nuisance to nearby educational institution and seafood restaurants, noisy construction works would not						

EIA Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Imple St	menta tages	ation *	Relevant Legislation and
				Des	С	0	Guidelines
	be carried out during the examination period of the educational institution and the peak business hour of the restaurant.						

Table B.3 Implementation Schedule for Water Quality Mitigation Measures

EIA Ref. Environmental Protection Measur	Environmental Protection Measures /	Location / Timing	Location / Timing	Impl S	ement Stages	ation *	Relevant Legislation and Guidelines
_	Mitigation Measures	3	Agent	Des	С	0	
\$5.7.1.1 & \$5.7.2.13	The dredging operation would be properly scheduled such that no dredging works will be carried out during the period of the Annual Cross Harbour Swim Race to be held.	Works sites / during dredging in construction and operation stages	Contractor for dredging		V	V	N/A
S5.8.1.1	 Good Site Practices for Dredging All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessels movement or propeller wash; All barges / dredgers should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; Excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved; Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site or dumping grounds; Construction activities should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation. 	Works sites / during dredging in construction and operation stages	Contractor for Dredging				 EIAO-TM EIAO WPCO Waste Disposal Ordinance (WDO) Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-DSS)

ElA Ref. Environmental Protection Measures /		Location / Timing	Implementation	Imple S	ement Stages	ation *	Relevant Legislation and
	Mitigation Measures	3	Agent	Des	С	0	Guidelines
S5.8.1.2	Only one closed grab should be used any time for the dredging works during both capital and maintenance dredging to minimise release of sediment and other contaminants.	Works sites / during dredging in construction and operation stages	Contractor for dredging		\checkmark	V	 Technical Memorandum on the Environmental Impact Assessment Process (EIAO- TM) Water Pollution Control Ordinance (WPCO)
S5.8.1.2	The dredging rate shall not exceed 100 m ³ per hour with a maximum working period of 12 hours per day throughout the construction phase and operation phase.	Works sites / during dredging in the construction and operation stages	Contractor for dredging		V	V	◆ EIAO-TM◆ WPCO
S5.8.1.3	Silt curtains should be deployed enclosing the dredging, filling operation and seawall modification works. Under Section 10.6.31 of the Contaminated Spoil Management Study Final Report, silt curtains are defined as screens that extend over the full water depth in the dredging area to confine most of the suspended sediments. This is equivalent to the silt curtains to be adopted for the dredging, filling and seawall modification works in LYM waterfront, which involve the use of impervious sheets or filter fabrics extending over the full water depth. Regular inspection on the silt curtain condition by the contractor should be carried out to ensure the silt curtains are deployed properly and to maintain the performance of the silt curtains throughout the construction period.	Works sites / during dredging, filling operation and seawall modification in construction stage and maintenance dredging in operation stage	Contractor for dredging and seawall modification works		V	V	 EIAO-TM WPCO

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation	Implementation Stages*		ation *	Relevant Legislation and
	Mitigation Measures		Agent	Des	С	0	Guidelines
S5.8.1.5	Seawall modification works should be undertaken during low tide, when the water level is low.	Lookout point 1, 5 and viewing platform / during construction stage	Contractor for seawall modification works		V		◆ EIAO-TM◆ WPCO
S5.8.2.1 - S5.8.2.2	 Control of potential water quality impact arising from the general construction works shall be achieved based on the following principles: Minimisation of surface run-off; Prevention or minimisation of the likelihood of the identified pollutants being in contact with rain or run-off or adjacent marine waters; and Measures to abate pollutants at source. The Contractor shall apply for a discharge license under the WPCO and the discharge shall comply with the terms and conditions of the license. The Contractor shall also devise an Emergency Contingency Plan for accidental leakage or spillage of chemicals during construction phase and maintenance dredging. It should detail the communication line between Contractor, relevant government and stakeholders, remediation plan for containing and cleaning of leakage, evaluation and improvement work and determine follow-up action, such as monitoring. 	Works sites / during construction stage and maintenance dredging in operation stage	Contractor		V	V	 EIAO-TM WPCO
S5.8.2.3	 Site Runoff and General Activities High loading of SS in site run-off should be prevented through proper site management by the contractor; Sand and silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly by the 	All works sites / during construction stage	Contractor		V		 ProPECCPN 1/94 Construction Site Drainage WPCO

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation	Implementation Stages*		ation *	Relevant Legislation and
	Mitigation Measures		Agent	Des	С	0	Guidelines
	 Mitigation Measures contractor, and at the onset of and after each rainstorm to ensure that these facilities are functioning properly; The drilling operation can be fully controlled by the workers, the volume of sediment laden water and the material stockpiled in the temporary storage steel tank can be anticipated such that spillage can be prevented. The tank should be kept within the temporary working platform with surrounding concrete bund walls. The tanks should be removed to other site area located far away from the river immediately after filling up and within the same day; Stockpiles should be located away from any watercourses and the seafront; Plant workshop / maintenance areas should be bunded on a hard standing. Sediment traps and oil interceptors should be provided at appropriate locations; Works should be programmed to minimise soil excavation works where practicable during the rainy days; Vehicle wheel washing facilities should be provided at the site exit such that mud, debris, etc. attached to the vehicle leaves the work site; Section of the road between the wheel washing bay and the public road will be paved to reduce vehicle 		Agent	Des	C	0	Guidelines
	tracking of soil and to prevent site run-off from entering public road drains; andSufficient chemical toilets should be provided in the						
	works areas in the proximity of the riverside for the sewage generated by the workforce. A licensed waste collector should be deployed to clean the						

EIA Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and
				Des	С	0	Guidelines
	chemical toilets on a regular basis. Any sewage or wastewater discharge into the surrounding environment should not be allowed. Any chemical toilets should be located away from the river.						
S5.8.3.2 & S5.8.3.3	 Design Measures Exposed surface shall be avoided within the proposed development to minimise soil erosion. Development site shall be either hard paved or covered by landscaping area where appropriate to reduce soil erosion. The existing marine water in adjacent to the Project sites will be retained to maintain the original flow path. The drainage system will be designed to avoid any case of flooding based on the 1 in 50 year return period. 	Works sites / during operation stage	Project Proponent / Operator	V		V	 EIAO-TM WPCO WDO
S5.8.3.4 to S5.8.3.6	 Devices / Facilities to Control Pollution Screening facilities such as standard gully grating and trash grille, with spacing which is capable of screening off large substances such as fallen leaves and rubbish should be provided at the inlet of drainage system. Road gullies with standard design and silt traps and oil interceptors should be incorporated during the detailed design to remove particles present in storm water runoff. Subject to detailed design, standard manholes with desilting opening / sand trap designed for first flush flow (capable of providing at least 5 minutes' detention time) can be provided at final discharge point before discharge into the existing watercourse. 	Works sites/ during operation stage	Project Proponent / Operator			~	 EIAO-TM WPCO WDO

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation Agent	Implementation Stages*		ation *	Relevant Legislation and	
	Mitigation Measures			Des	С	0	Guidelines	
	The feasibility of alternative measure such as Vortex grit separator would also be considered during the detailed design stage.							
S5.8.3.7 to S5.8.3.8	 Administrative Measures Good management measures such as regular cleaning and sweeping of road surface / open areas is suggested. The road surface / open area cleaning should also be carried out prior to occurrence of rainstorm. Manholes, as well as storm water gullies, ditches provided among the development areas should be regularly inspected and cleaned (e.g. monthly). Additional inspection and cleansing should be carried out before forecast heavy rainfall. 	Works sites/ during operation stage	The Operator			V	 EIAO-TM WPCO 	

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and
	Mitigation Measures			Des	С	0	Guidelines
6.5.1.6	The Project Proponent should closely coordinate with	Works sites/ During	Project			\checkmark	♦ EIAO-TM
	DSD in monitoring the programme and liaise with DSD to	operation stage	Proponent /				
	formulate mitigation measures including but not limit to		Operator				
	installation of chemical toilets near the restaurants to						
	cater for the additional sewage arising from the						
	increased tourist after commencement of the Lei Yue						
	Mun Waterfront Enhancement project and before the						
	commissioning of the proposed sewerage works under						
	DSD project should any programme gap is identified in						
	the future.						

Table B.4 Implementation Schedule for Sewerage and Sewage Mitigation Measures

Table B.5 Implementation Schedule for Waste Management Measures

EIA Ref.	A Ref. Environmental Protection Measures / Location / Timing		Implementation	Imple S ^r	menta tages	ation *	Relevant Legislation and
	Mitigation Measures		Agent	Des	С	0	Guidelines
S7.7.2.1 – S7.7.2.2	 Waste Management Hierarchy The waste management hierarchy should be applied: Avoidance and minimisation of waste generation; Reuse of materials as far as practicable; Recovery and recycling of residual materials where possible; and Treatment and disposal of waste according to relevant laws, guidelines and good practices Recommendations of good site practices and waste reduction measures should be stated in order to achieve avoidance and minimisation of waste generation in the waste management hierarchy. An Environmental Management Plan (EMP) and trip-ticket system are recommended for monitoring management of waste. Specific measures targeting the mitigation of impacts in works areas and the transportation of waste off-site should be provided to minimise the potential impacts to the surrounding environment. 	Works sites/ during design and construction stages	Project Proponent/ Contractor	V	V		 EIAO-TM ETWB TCW No. 19/2005
S7.7.3.1	 Good Site Practices Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site. Training of site personnel in proper waste management and chemical wastes handling procedures. 	Works sites/ during design and construction stages	Project Proponent/ Contractor	V	V		 EIAO-TM ETWB TCW No. 19/2005

EIA Ref.	Environmental Protection Measures / Mitigation Measures	Implementation	Imple St	ementation Stages*		Relevant Legislation and	
		Agent	Des	С	0	Guidelines	
	 Provision of sufficient waste disposal points and regular collection for disposal. Adoption of appropriate measures to minimise windblown litter and dust during handling, transportation and disposal of waste. Preparation of a WMP in accordance with the ETWB TCW No. 19/2005 Environmental Management on Construction Sites and submitted it to the Engineer for approval. 						
S7.7.4.1	 Waste Reduction Measures Segregate and store different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal. Adopt proper storage and site practices to minimise the potential for damage to, and contamination of, construction materials. Plan the delivery and stock of construction materials carefully to minimise the amount of waste generated; Sort out demolition debris and excavated materials from demolition works to recover reusable / recyclable portions (i.e. soil, rock, broken concrete, etc.). Maximise the use of reusable steel formwork to reduce the amount of C&D materials. Minimise over ordering of concrete, mortars and cement grout by doing careful check before ordering. Adopt pre-cast construction method instead of cast-in-situ method for construction of concrete structure as far as possible. 	Works sites / during design and construction stages	Project Proponent/ Contractor	\checkmark	V		• EIAO-TM • WDO

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation	Implementation Stages*		ation *	Relevant Legislation and
	Mitigation Measures		Agent	Des	С	0	Guidelines
S7.7.5.1 – 7.7.5.2	 Storage, Collection and Transportation of Waste Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimising the potential of pollution; Maintain and clean storage areas routinely; Stockpiling area should be provided with covers and water spraying system to prevent materials from being wind-blown or washed away; and Different locations should be designated to stockpile each materials to enhance reuse. Waste hauler with appropriate permits should be employed by the Contractor for the collection and transportation of waste from works areas to respective disposal outlets. The following recommendation should be implemented to minimise the impacts: Remove waste in timely manner. Employ the trucks with cover or enclosed containers for waste disposal permits from the appropriate authorities. Dispose of waste at licensed waste disposal facilities. 	Works sites / during construction stage	Contractor		~		 EIAO-TM WDO

EIA Ref.	IA Ref. Environmental Protection Measures / Location / Timing	Location / Timing	Implementation	Implementation Stages*			Relevant Legislation and
_	Mitigation Measures	J	Agent	Des	С	0	Guidelines
S7.7.6.1 – 7.7.6.10 & S7.7.13.1	 Dredged Marine Sediments The sediment should be dredged, handled, transported and disposed of in a manner that would minimise adverse environmental impacts. Requirements of the Air Pollution Ordinance (Construction Dust) Regulation, where relevant, shall be adhered to during dredging, transportation and disposal of the sediment. To minimise the exposure to contaminated materials, workers shall, if necessary, wear appropriate personal protective equipment (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities shall also be provided on site. For off-site disposal, the basic requirements and procedures specified under ETWB TCW No. 34/2002 shall be followed. The rationale for sediment removal/disposal should be submitted to MFC/CEDD for agreement. For site allocation and application of marine dumping permit, separate Sediment Sampling and Testing Plan (SSTP) may need to be submitted to EPD for agreement under the Dumping at Sea Ordinance (DASO). Additional SI works, based on the SSTP, may need to be carried out in order to confirm the disposal arrangements of the dredged sediment. A Sediment Quality Report (SQR), reporting the chemical and biological screening results and the estimated quantities of sediment under different disposal options, may then need to be submitted to EPD for agreement under DASO. 	Works sites / during dredging, handling, transportation and disposal of sediment in construction stage and maintenance dredging in operation stages	Project Proponent / Contractor			V	 DASO ETWB TCW No. 34/2002 APCO WPCO

EIA Ref.	Environmental Protection Measures /	Location / Timing	Implementation	Imple St	ment tages	ation *	Relevant Legislation and Guidelines
	Mitigation Measures	g	Agent	Des	С	0	
	 To ensure disposal space is allocated for the Project, the Project Proponent should be responsible for obtaining agreement from MFC on the allocation of the disposal site. The contractor(s), on the other hand, should be responsible for the application of the marine dumping permit under DASO from EPD for the sediment disposal. The dredged sediments are expected to be loaded onto the barge and transported to the designated disposal sites allocated by MFC. The dredged sediment would be disposed of according to its determined disposal options and ETWB TCW No. 34/2002. Stockpiling of contaminated sediments should be avoided as far as possible. If temporary stockpiling of contaminated sediments is necessary, the dredged sediment should be covered by tarpaulin and the area should be placed within earth bunds or sand bags to prevent leachate from entering the ground, nearby drains and surrounding water bodies. The stockpiling areas should be completely paved or covered by linings in order to avoid contaminated materials. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance 						
	according to the Water Pollution Control Ordinance (WPCO).						

EIA Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	Implementation Stages*		ation *	Relevant Legislation and
		g	Agent	Des	С	0	Guidelines
	 In order to minimise the potential odour / dust emissions during dredging and transportation of the sediment, the dredged sediments shall be wetted during dredging / material handling and shall be properly covered when placed on trucks or barges. Loading of the dredged sediment to the barge shall be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water. The barge transporting the sediments to the designated disposal sites shall be equipped with tight fitting seals to prevent leakage and shall 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 selfmonitoring devices as specified under DASO authority. 						
S7.7.7.1 – 7.7.7.4	 Construction and Demolition (C&D) Materials Implement a trip-ticket system to monitor and document the disposal of C&D waste C&D materials generated from dredging, lookout points excavation works, and landing facility and carpshaped platform construction works should be segregated from other waste to avoid contamination and ensure acceptability at the public fill reception facilities or reclamation sites. C&D materials should be sorted on-site into inert and non-inert materials. 	Works sites / during construction stage	Contractor		~		 WDO DEVB TCW No. 06/2010 ETWB TCW 33/2002 ETWB TCW 19/2005

EIA Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and
				Des	С	0	Guidelines
	 Non-inert C&D waste, such as wood, plastic, steel and other metals should be reused or recycled and, as a last resort, disposed to landfill. A suitable area should be designated within the site for temporary stockpiling of C&D materials and to facilitate the sorting process. Within the stock pile areas, the following measures should be taken to control potential environmental impacts or nuisance: Waste such as soil should be handled and stored well to ensure secure containment; Covering materials during heavy rainfall; Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; Locating stockpiles to minimise potential visual impacts; and Minimising land intake of stockpile area as far as possible. A system should be devised for on-site sorting of C&D materials. This system should include the identification of the source of generation, estimated quantity of waste generated, arrangement for on-site sorting and / or collection, designated stockpiling areas, frequency of collection by recycling contractors and frequency of removal off-site. 		Agent	Des	C	0	Guidelines
	to maintain the dusty materials wet.						

EIA Ref.	EIA Ref. Environmental Protection Measures / Location / Timing	Implementation	Imple St	ment ages	ation *	Relevant Legislation and	
	Mitigation Measures		Agent	Des	С	0	Guidelines
S7.7.8.1	 Chemical Waste If chemical waste is produced at the construction site, the Contractor will be required to register with the 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. Chemical waste should be stored in appropriate containers and collected by a licensed chemical waste collector. Chemical waste (e.g. spent lubricant oil) should be disposed of at either the CWTC, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation. 	Works sites / during construction stage	Contractor		\checkmark		 WDO Code of Practice on the Packaging, Labelling and Storage of Chemical Waste A Guide to the Chemical Waste Control Scheme
\$7.7.9.1 & \$7.7.11.1	 General Refuse General refuse should be stored in enclosed bins separately from construction and chemical waste. Recycling bins should also be placed to encourage recycling. Enclosed and covered areas should be provided preferably for general refuse collection. Routine cleaning should be also be provided to keep the areas clean. A reputable waste collector should be employed to remove general refuse on a daily basis 	Works sites / during construction and operation stages	Project Proponent / Contractor		~	V	• WDO
\$7.7.10.1 & \$7.7.10.2	 Floating Refuse Floating refuse should be collected and removed at regular intervals on a daily basis to keep water within the site boundary and the neighbouring water free from rubbish. In case of floating refuse is identified, a waste 	Works sites / during construction stage	Contractor		V		◆ WDO

EIA Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and
				Des	С	0	Guidelines
	 collection vessel is needed to remove the floating materials and eventually store and dispose of together with the general refuse, after separating the recyclables for recycling, at North East New Territories Landfill (NENT) via Kwun Tong Road and Fanling Highway. Provision of general refuse bins on site and education programme to construction workforce to minimise the potential of marine contamination. 						
S7.7.12.1	 Sufficient general refuse and recycling bins should be provided respectively. Meanwhile, the general refuse collection areas should be enclosed and covered properly to avoid potential losses of waste to the adjacent watercourses. 	Project site / during operation stage	Project Proponent			\checkmark	◆ WDO
S7.7.12.2	 Refuse scavenging and collection service will be provided by the Contractor of Marine Department (MD) under existing Contract. 	Project site / during operation stage	MD			\checkmark	◆ WDO

Table B.6 Implementation Schedule for Land Contamination Mitigation Measures

EIA Ref.		Environmental Protection Measures /	Location /	Implementation	Implementation Stages*			Relevant Legislation and
	Mitigation Measures	Iming	Agent	Des	С	0	Guidelines	
S8.7.1.1	•	No mitigation measure is required.	N/A	N/A				N/A

Table B.7 Implementation Schedule for Ecology Mitigation Measures

	Environmental Protection Measures /	Location /	Implementation	Imple	ment	ation *	Relevant Legislation and Guidelines
EIA Ref.	Mitigation Measures	Timing	Agent	Des	C	0	
S9.8.1.2	 Avoidance Avoided encroaching on recognized sites of conservation importance (i.e. the CPA comprising the oyster shell beach, rocky outcrop with the lighthouse to the south of LYM Village). Avoided direct impact on area with relatively higher abundance of coral colonies (i.e. REA 2). Avoided direct impact on natural terrestrial habitats, (e.g. mixed woodland, natural watercourses) and associated fauna and flora. 	Works sites / during design, construction and operation stages	Project Proponent	\checkmark	V	V	◆ EIAO-TM
S9.8.1.3 – S9.8.1.4	 Minimisation of Direct Loss of Coral A detailed coral mapping should be undertaken before the commencement of the works A detailed Coral Mitigation Plan should be prepared prior to the implementation of mitigation measures. Suitable recipient site(s) should be identified. Description of methodology including translocation (e.g. pre-translocation survey, identification / proposal of coral recipient site(s)) and/or other best practicable mitigation measures, and post-mitigation monitoring programme should be prepared with reference to recently approved EIA and subject to comment by the AFCD before commencement of the coral mitigation. All the coral mitigation exercises should be conducted by experienced marine ecologist(s) with at least 5 years relevant experience. 	Works sites / prior to construction stage	Contractor		V		◆ Cap. 586
S9.8.1.3	• During operation phase, coral survey will be carried out to review and update the conditions of corals in the dredging area and its vicinity prior to each	Dredging area and its vicinity / prior to each	Contractor			$\overline{\mathbf{v}}$	◆ Cap. 586

EIA Ref.	Environmental Protection Measures / Mitigation Measures	Location /	Implementation Agent	Implementation Stages*			Relevant Legislation and
		Timing		Des	С	0	Guidelines
	maintenance dredging. Subject to the findings of the coral survey, the impact on corals due to maintenance dredging will be reviewed and mitigation measures will be proposed as necessary.	maintenance dredging in operation stage					
S9.8.1.5	 Minimisation of Water Quality Impact Adoption of the mitigation measures recommended in water quality impact assessment during capital and maintenance dredging operations, including use of closed grab, restriction of dredging production rate (no more than 100m³ per hour) and deployment of silt curtains. 	Works site / during dredging operation in the construction and maintenance dredging stages	Contractors		V	V	 ◆ EIAO-TM ◆ WPCO ◆
S9.8.1.6	 To minimise the contamination of wastewater discharge, accidental chemical spillage and construction site run-off to the receiving water bodies, mitigation measures recommended in water quality impact assessment should be adopted to control construction site runoff and drainage form the work areas, and to prevent runoff and drainage water with high levels of suspended solids from entering the nearby local stormwater drainage system and water bodies directly. The mitigation measures include: The good site practices outlined in ProPECC PN 1/94 "Construction Site Drainage" should be strictly followed to minimise surface runoff. Surface run-off from construction sites should be discharged into storm drains via adequately designed sand / silt removal facilities such as sand traps, silt traps and sedimentation basins; Open stockpiles of construction materials (e.g. aggregates, sand and fill material) on sites should be covered with tarpaulin or similar fabric during 	Works site / during the construction stage	Contractors				WPCO ProPECC PN 1/94

EIA Ref.	Environmental Protection Measures /	Location /	Implementation	Implementation Stages*			Relevant Legislation and
	Mitigation Measures	Timing	Agent	Des	С	0	Guidelines
S9.8.1.7	 rainstorms; Good construction and site management practices should be observed to ensure that litter, fuels and solvents do no enter the storm water drains; and Chemical toilets should be provided within the construction site and properly maintained. All effluent discharged from the construction site should comply with the standards stipulated in the "Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters" (TM-DSS). Other Minimisation Measures To mitigate the impact of the loss, the proposed sloping seawall would be constructed with rock armours which would have spaces between rock armour units to allow intertidal organisms to grow. The new vertical seawall for the lookout points and viewing platform and the breakwater would also provide additional hard substrata for the recolonization of intertidal fauna and corals. Ecological features e.g. seawall enhanced with rough texture and irregular pattern would be incorporated into the design of vertical seawall as far as practicable. A submission on the detailed design of the ecological features to be adopted will be prepared subject to comment by the AFCD prior to the installation of the ecological 	Works site / during the construction and operation stages	Project Proponent / Contractors		√	√	◆ EIAO-TM
Table B.8 Implementation Schedule for Fisheries Mitigation Measures

EIA Ref.	EIA Ref. Environmental Protection Measures / Location / Timing	Implementatio	Implementation Stages*			Relevant Legislation and		
		Mitigation Measures		n Agent	С	0	Guidelines	
S10.7.1.3	•	During the capital and maintenance dredging operations, mitigation measures (including use of closed grab, silt curtains and restriction of dredging rate to no more than 100m ³ per hour) recommended in the water quality impact assessment would be implemented to control water quality impacts to within acceptable levels. These mitigation measures would also control and minimize the indirect impacts on fisheries resources due to deterioration in water quality as a result of both capital and maintenance dredging works.	Works site / during the construction and operation stages	Contractors		V	V	 EIAO-TM ProPECC PN 1/94 WPCO

* Des - Design, C - Construction, O – Operation

FIA Ref.		Environmental Protection Measures /	Location / Timing	Implementation	Implementation		ation *	Relevant Legislation and	
20,1101		Mitigation Measures	Agent		Des	C	0	Guidelines	
Table 11.10	•	CM1 - All the existing Trees to be retained and not to be affected by the Project should be carefully protected during the construction phase in accordance with DEVB TCW No. 7/2015 titled "Tree Preservation" and the latest "Guidelines on Tree Preservation during Development" issued by GLTM Section of DEVB, including provision of Tree Protection Zones (TPZs). Any existing vegetation in landscaped areas and natural terrain not to be affected by the Project should also be carefully preserved. Therefore, these existing landscape elements can maintain their qualities throughout the construction phase. CM4 - Lighting for the construction works at night, if any, should be carefully controlled to prevent light overspill to the nearby VSRs and into the sky. CM5 - Decorative Hoardings, with designs and forms compatible with the surrounding settings, should be erected during the construction phase to minimise the potential landscape and visual impacts from the construction works and activities, e.g. avoiding unintended destruction of existing trees and other landscape elements, and reducing visual bulkiness of the screen hoardings, etc. CM6 - The layout and arrangement of construction site facilities which include site office and temporary storage area should be properly managed and construction activities at the site should be carefully supervised and construction to minimise	Works site / during the design and construction stages	Project Proponent/ Contractors				 EIAO-TM DEVB TC (W) No.7/2015 Guidelines on Tree Preservation during Development 	
	EIA Ref. 11.10	EIA Ref. Table 11.10	EIA Ref.Environmental Protection Measures / Mitigation MeasuresTable 11.10• CM1 - All the existing Trees to be retained and not to be affected by the Project should be carefully protected during the construction phase in accordance with DEVB TCW No. 7/2015 titled "Tree Preservation" and the latest "Guidelines on Tree Preservation during Development" issued by GLTM Section of DEVB, including provision of Tree Protection Zones (TPZs). Any existing vegetation in landscaped areas and natural terrain not to be affected by the Project should also be carefully preserved. 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Therefore, these existing landscape elements can maintain their qualities throughout the construction phase.Works site / during the design and construction stages• CM4 - Lighting for the construction works at night, if any, should be carefully controlled to prevent light overspill to the nearby VSRs and into the sky.CM5 - Decorative Hoardings, with designs and forms compatible with the surrounding settings, should be erected during the construction phase to minimise the potential landscape and visual impacts from the construction works and activities, e.g. avoiding unintended destruction of existing trees and other landscape elements, and reducing visual bulkiness of the screen hoardings, etc.• CM6 - The layout and arrangement of construction storage area should be properly managed and construction activities at the site should be carefully supervised and controlled to minimise potential	EIA Ref.Environmental Protection Measures / Mitigation MeasuresLocation / TimingImplementation AgentTable•CM1 - All the existing Trees to be retained and not to be affected by the Project should be carefully protected during the construction phase in accordance with DEVB TCW No. 7/2015 titled "Tree Preservation" and the latest "Guidelines on Tree Preservation during Development" issued by GLTM Section of DEVB, including provision of Tree Protection Zones (TPZs). Any existing vegetation in landscaped areas and natural terrain not to be affected by the Project should also be carefully preserved. Therefore, these existing landscape elements can maintain their qualities throughout the construction phase.Works and activities, e.g. avoiding unintended destruction of existing trees and other landscape areas and valual impacts from the construction works and activities, e.g. avoiding unintended destruction of existing trees and other landscape elements, and reducing visual bulkiness of the screen hoardings, etc.CM6 - The layout and arrangement of construction site facilities which include site office and temporary storage area should be properly managed and construction activities at the site should be carefully supervised and controlled to minimise potentialImplementation Magent	EIA Ref.Environmental Protection Measures / Mitigation MeasuresLocation / TimingImplementation AgentImplementation AgentImplementation AgentTable•CM1 - All the existing Trees to be retained and not to be affected by the Project should be carefully protected during the construction phase in accordance with DEVB TCW No. 7/2015 titled "Tree Preservation" and the latest "Guidelines on Tree Preservation during Development" issued by GLTM Section of DEVB, including provision of Tree Protected by the Project should also be carefully preserved. 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Environmental Protection Measures / Mitigation Measures Location / Timing Implementation Agent Implementation Stages Table • CM1 - All the existing Trees to be retained and not to be affected by the Project should be carefully protected during the construction phase in accordance with DEVB TCW No. 7/2015 titled "Tree Preservation" and the latest "Guidelines on Tree Preservation during Development" issued by GLTM Section of DEVB, including provision of Tree Protection Zones (TPZs). Any existing vegetation in landscaped areas and natural terrain not to be affected by the Project should also be carefully preserved. Therefore, these existing landscape elements can maintain their qualities throughout the construction phase. V √ Implementation Protection Zones (TPZs). Any existing vegetation in landscaped areas and natural terrain not to be affected by the Project should also be carefully preserved. Therefore, these existing landscape elements can maintain their qualities throughout the construction phase. CM4 - Lighting for the construction works at night, if any, should be carefully controlled to prevent light overspill to the nearby VSRs and into the sky. CM5 - Decorative Hoardings, with designs and forms compatible with the surrounding settings, should be erected during the construction of existing trees and other landscape elements, and reducing visual bulkiness of the screen hoardings, etc. Implementation the screen hoardings, etc. • CM6 - The layout and arrangement of construction site facilities which include site office and temporary storage area should be properly managed and construction activities at the site should be carefully supervised and controlled to minimise potentital	EIA Ref.Environmental Protection Measures / Mitigation MeasuresLocation / TimingImplementation AgentImplementation BtauestTable• CM1 - All the existing Trees to be retained and not to be affected by the Project should be carefully protected during the construction phase in accordance with DEVB TCW No. 7/2015 titled "Tree Preservation" and the latest "Guidelines on Tree Preservation during Development" issued by GLTM Section of DEVB, including provision of Tree Protection Zones (TPZs). 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Table B.9 Implementation Schedule for Landscape and Visual Impact Mitigation Measures

EIA Ref.		Environmental Protection Measures /	Location / Timing	Implementation	Implementation Stages*		ation *	Relevant Legislation and
		Mitigation Measures		Agent	Des	С	0	Guidelines
		adverse landscape and visual impacts.						
Table 11.10	•	CM7 - A buffer zone with a minimum distance of about 10m will be provided between the CPA and the boundary of dredging works to minimise the potential impact on the CPA arising from the dredging activities.	Works site / during the design construction and operation stages	Project Proponent/ Contractors	\checkmark	\checkmark	V	
Table 11.10	•	 CM8 - Silt curtains will be deployed to enclose the dredging works to minimise the potential water quality impact (e.g. dispersion of suspended sediments) on the CPA. CM9 - The dredging works will be closely supervised by site staff to ensure no unauthorised works will be carried out within the CPA. 	Works site / during the construction stage	Project Proponent/ Contractors		V		◆ EIAO-TM◆ WPCO
Table 11.11	•	 OM1 - A buffer zone with a minimum distance of about 10m will be provided between the CPA and the boundary of maintenance dredging works to minimise the potential impact on the CPA arising from the dredging activities. OM2 - Silt curtains will be deployed to enclose the maintenance dredging works to minimise the potential water quality impact (e.g. dispersion of suspended sediments) on the CPA. OM 3 - The maintenance dredging works will be closely supervised by site staff to ensure no unauthorised works will be carried out within the CPA. 	Works site / during maintenance dredging in operation stage	Project Proponent/ Contractors			V	◆ EIAO-TM
Table 11.11	•	OM 4 - The Aboveground/Above-sea-level Structures/Hardscape Features of the Project, including the pavilion, the breakwater, and the promenade with public landing facility, etc. and elements of streetscape in regard to the layouts, forms, materials and finishes shall be sensitively	Works site / during the design and operation stages	Project Proponent/ Contractors	V		V	◆ EIAO-TM

EIA Ref.	Ref. Environmental Protection Measures / Mitigation Measures Location / Timing	Implementation	Implementation Stages*		ation *	n Relevant Legislation and	
	Mitigation measures		Agent	Des	С	0	Guidelines
Table	designed, so that the structures/hardscape features can blend with the surrounding landscape and visual context, e.g. the pavilion should be visually permeable and its appearance and orientation should take into account the overall landscape master plan of the proposed enhancement works. The proposed colour and texture for the proposed breakwater and lookout points shall be visually compatible with the adjacent landscape elements.		Duringt				
Table 11.11	 OM5 - Buffer Planting shall be provided at the perimeter of potential intrusive aboveground structures, so as to visually screen and soften their hard edges and surfaces and create a more harmonious landscape. OM 6 - Opportunity of Amenity Planting shall be maximised within the Project, so that the proposed works will be more compatible and harmonious with the surroundings landscape- and visual-wise. OM7 - During the Operation Phase, all disturbed hard and soft landscape areas within temporary works sites and works areas caused by the proposed works shall have already been reinstated equal or better quality to the satisfaction of the relevant Government Departments, so as to maintain or improve the ovisting landscape and visual quality. 	Works site / during the operation stage	Project Proponent/ Contractors			N	◆ EIAO-TM

* Des - Design, C - Construction, O – Operation



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Appendix CImpact Monitoring Schedule of this andnextReportingPeriod

	Contract No. CV/2020/09 Lei Yue Mun Waterfront Enhancement Project EM&A Monitoring Schedule								
			Dec-24						
Sun	Mon	Tue	Wed	Thu Fri		Sat			
1	2	3	4	5 6		7			
		Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Tadal Periodi</u> 15b Tide: 11:55 - 14-34 Flood Tide: 04:87 - 11:56 <u>Monitoring Time:</u> Mid:etb:: 12:03 - 14:265 Mid:flood: 08:94 - 11:34		Impact Water Quality monitoring for CT, LC2, M1, M2, M3 & M4 <u>Tidal Periodi</u> 5bh Tide: 1400 - 1650 Flood Tide: 06:13 - 1400 <u>Honottoring Imme:</u> Mid:ethb: 1406 - 15:545 Mid:flood: 08:22 - 11:52	Impact Daytime Noise monitoring for NM1, NM2-A, NM3 & NM4	Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Tidal Periodi</u> Ebb Tride: 16:00-18:00 Fload Tride: 08:00-16:00 <u>Monitorina Timer</u> Mid-ebb: 16:05-17:545 Mid-flood: 10:15-13:45			
8	9	10	11	12 13		14			
		Inpact. Water Quality monitoring for CL C2, M1, M2, M3 & M4 Tabil Periodi Ebb Tirde 0402, 1016 Flood Trifer 1016 - 17:55 Monitoring Time: Mid-ebb 0300 - 09:575 Mid-flood; 12:20 - 15:50		Impact: Water Quality monitoring for CL CZ, M1, M2, M3 & M4 Telial Periodi Ebb Tidle: 0657, 11:41 Flood Tride: 11:41, 1:902 Monitoring Time: Mid-ebb 0:800, -11:375 Mid-flood; 13:35-17:06 Daylime Hoise monitoring for NM1, NM2-A, NM3 & NM4		Impart Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Hadd Periodi</u> Ebb Tate: 093-9-1300 Fiood Tide: 1300-2011 <u>Monitoring Time</u> Mid-ebb: 093-1259 Mid-flood: 14:50-18:20			
15	16	17	18	19 20		21			
		Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Total Periodi</u> Ebb Tidle: 20:41-14-33 Flood Tidle: 04:54 - 12:04 <u>Monttoring Times</u> Mid-ebb: 12:11-14:255 Mid-flood: 08:00 - 10:14*5	Impact. Daytime Nemonstraing for NM1, NM2-A, NM3 & NM4	Impact Water Quality monitoring for CL (. 2, M1, M2, M3 & M4 <u>Tidal Periodi</u> 15b Tide: 13-56 - 13-31 Flood Tide: 06-26 - 13-36 <u>Monitoring Time</u> ; Mid: etb: 13-41 - 15-255 Mid: flood; 08:16 - 11:46		Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Tidal Periodi</u> Ebb Tride: 15:00-18:00 Fiod 10ic: 07:04-15:00 <u>Monitoring Timer</u> Mid-ebb: 15:09-17:515 Mid-flood: 09:37-13:07			
22	23	24	25	26 27		28			
		Inpact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Tidal Periodi</u> 15 ht Tide: 00:16-00:31 Fiood Tide: 00:31-07:37 <u>Monitoring Time:</u> Mid-ebi: 08:00-09:0315 Mid-fiood: 11:49-15:19*		Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Tidal Periodi</u> Bib Tide: 05:57 - 10:40 Flood Tide: 10:40 - 18:47 <u>Monitorina (Time:</u> Mid: ebb: 08:00 - 10:33*5 Mid: flood: 12:44 - 16:14		Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Tidal Periodi</u> E 10 M1 M2 M1 M2 M1 M1 M2 Fiload Tide: 11.52 - 18:47 <u>Monitoring III M1 </u>			
29	30	31							
		Impact Water Quality monitoring for CL G2, M1, M2, M3 & M4 <u>Tabili Periodi</u> , Ebb Tide: 11:13 - 13:47 Flood Tide: 04:10-11:13 <u>Monitoring Time</u> ; Mid-ebb: 11:20-13:395 Mid-flood: 08:00 - 10:51*5							

Remarks: Daytime Noise Monitoring (07:00-1900) Monitoring Parameters: Dissolved oxygen, Temperature, pH, Turbidity, Salinity, Suspended Solids

Note: ^ Monitoring cancelled due to inclement weather. * Due to safety concern of vessel transportation e ariier than 0800, Water Quaity Monitoring would start at 0800. \$ - Since predicted tide is shorter than 3.5 hours, method of 90% tidal period as monitoring time is adopted. & - Due to safety concern for sampling event in night-time, method of 90% tidal period as monitoring time is approached and end at 1900. ^ - Cancelled due to unforeseen obstacles

		Con	tract No. CV/2020/09 Lei Yue Mun Waterfront Enhancement P EM&A Monitoring Schedule	roject		
			Jan-25			
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
				Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Tidal Period:</u> Ebb Tide: 12:28 - 15:20 Flood Tide: 05:21 - 12:28 <u>Monitoring Tima:</u> Mid-ebb: 12:36 - 15:115 Mid-Hood: 08:00 - 10:39*5 Daytime Noise monitoring for NM1, NM2-A, NM3 & NM4		Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Tadal Periodi</u> bb Tide: 13-53 - 17-19 Flood Tide: 06:32 - 13-53 <u>Monitoring Times</u> Mid-ebb: 14:03 - 17:085 Mid-flood: 08:27 - 11:57
5	6	7	8	9	10	11
		Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Tadal Periodi</u> 16 bb Tide: 16.15 - 21:11 Flood Tide: 08.20 - 16.15 <u>Monitoring III mer</u> Mid-ebb: 16:39 - 19.005& Mid-flood: 10:32 - 14.02	Impact Daytime Noise monitoring for NM1, NM2-A, NM3 & NM4	Impact Water Quality monitoring for CT, C2, XH, M2, M3 & M4 <u>Tidal Period:</u> Ebb Tide: 05:39 - 07:39 Flood Tide: 07:39 - 17:47 <u>Monitoring Time</u> Mid: ebb: 08:00 - 09:27*5 Mid: flood: 11:58 - 15:28		Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Tadal Periodi</u> 15b Tide: 0905 5 : 11:7 Flood Tide: 11:17 - 19:12 <u>Monitoring Time:</u> Mid: ebb: 09:11 - 11:105 Nid: flood: 13:29 - 16:59
12	13	14	15	16	17	18
		Impact Water Quality monitoring for C1, L2, M1, M2, M3 & M4 <u>Total Periodi</u> Bib Tide: 11:11 1.4:04 Flood Tide: 04:02 - 11:11 <u>Monitorini Time</u> Mid: ebb: 11:19 - 33:555 Mid:flood: 08:09 - 10:49*5	Impact Daytime Noise monitoring for NM1, NM2-A, NM3 & NM4	Impact Water Quality monitoring for CI, C2, ML, M2, M3 & M4 <u>Tidd Period:</u> Ebb Tide: 12:13 - 15:35 Flood Tide: 05:18 - 12:13 <u>Monitoring Time:</u> Mid + thb: 12:23 - 15:245 Mid-flood: 08:00 - 10:30*5		Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Total Periodi</u> Fib Tife: 132-11.70.02 Filod Tide: 06:19-13-21 <u>Monitoring Time</u> Nid etb: 13:26-16:56 Nid-flood: 08:05-11:35
19	20	21	22	23	24	25
		Impact Water Quality monitoring for C1, C2, M1, M2, M3 & M4 <u>Taldal Periodi</u> Bib Tride: 15-08 - 20-01 Flood Tide: 07-36-15-08 <u>Monitoring Times</u> Mid-ebb: 15-49 - 15:005& Mid-flood: 09-37 - 13:07	Impact Daytime Noise monitoring for NMI, NM2-A, NM3 & NM4	Impact Water Quality monotoning of CJ. C2, MI, M2, M3 & M4 <u>Tidal Periods</u> Ebb Tide: 16:11 - 23:59 Flood Tide: 08:32 - 16:11 <u>Mide ebb: 16:34 - 19:0058</u> Mid-ebb: 16:34 - 19:0058 Mid-flood: 10:31 - 14:01		Impact Water Quality montaring for CL, GZ, ML, MZ, M3 & M4 <u>Tidal Periodi</u> Bb Tides 172.4 - 23-59 Flood Tides 02:21 - 17:24 <u>Monitoring Imme</u> Mid-webs: 17:48 - 19:005& Mid-flood: 08:07 - 11:37
26	27	28	29	30	31	
	Impact Dayline Nolise molitoring for NM1, NM2-A, NM3 & NM4	Impact Water Quality maintaine for CL, CZ, M1, M2, M3 & M4 <u>Hidd Periodi</u> Ebb Tride: 10-27, 13-00 Flood Tride: 00-28-10-027 <u>Monitorina Time</u> ; Mid-ebb: 10-34-12-525 Mid-flood: 08:00 - 10:36 ⁺ 5		Impact Water Quality monitoring for CI, C2, ML, M2, M3 & M4 <u>Tidd Period:</u> Ebb Tide: 11:19 - 14:455 Flood Tide: 04:25 - 11:19 <u>Monitoring Time:</u> Mid-ebb : 11:22 - 14:52 Mid-flood: 08:00 - 10:58*5		

Remarks: Daytime Noise Monitoring (07:00-1900) Monitoring Parameters: Dissolved oxygen, Temperature, pH, Turbidity, Salinity, Suspended Solids

Note: ^ Monitoring cancelled due to incidement weather. * Due to safety concern of vessel transportation earlier than 0800, Water Quality Monitoring would start at 0800. \$ - Since predicted tide is shorter than 3.5 Nours, method of 90% tidal period as monitoring time is adopted. & - Oue to safety concern for sampling event in night-time, method of 90% tidal period as monitoring time is approached and end at 1900. ^ - Cancelled due to unforeseen obstacles



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<u>Appendix D</u> <u>Event/Action Plan for Noise Exceedance</u>

Contract No. PI 2/2020 Environmental Monitoring Works for Lei Yue Mun Waterfront Enhancement Project 44th Monthly EM&A Report (December 2024)



	ACTION						
EVENT	ET	IEC	ER	Contractor			
Action Level	 Notify IEC, ER and Contractor; Carry out investigation; Report the results of investigation to the IEC, ER and Contractor; Discuss with the Contractor and formulate remedial measures; and Increase monitoring frequency to check mitigation effectiveness. 	 Review the analysed results submitted by the ET; Review the proposed remedial measures by the Contractor and advise the ER accordingly; and Supervise the implementation of remedial measures. 	 Confirm receipt of notification of failure in writing; Notify Contractor; Require Contractor to propose remedial measures for the analysed noise problem; and Ensure remedial measures are properly implemented. 	 Submit noise mitigation proposals to IEC, ET and ER; and Implement noise mitigation proposals. 			
Limit Level	 Identify source; Inform IEC, ER, EPD and Contractor; Repeat measurements to confirm findings; Increase monitoring frequency; Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; Inform IEC, ER and EPD the causes and actions taken for the exceedances; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and If exceedance stops, cease and ditional menitoring 	 Discuss amongst ER, ET, and Contractor on the potential remedial actions; Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and Supervise the implementation of remedial measures. 	 Confirm receipt of notification of failure in writing; Notify Contractor; Require Contractor to propose remedial measures for the analysed noise problem; Ensure remedial measures properly implemented; and If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. 	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Resubmit proposals if problem still not under control; and Stop the relevant portion of works as determined by the ER until the exceedance is abated. 			



<u>Appendix E</u> <u>Noise Monitoring Equipment Calibration</u> <u>Certificate</u>

Certificate of Calibration

for

Description:	Sound Level Meter
Manufacturer:	SVANTEK
Type No.:	SVAN 971 (Serial No.: 96062)
Microphone:	ACO 7052E (Serial No.: 85231)
Preamplifier:	SV-18 (Serial No.: 121481)

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-CC002

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
Relative Humidity:	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)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
35-137	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Sett	etting 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
35-137	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	ange, dB Freq. Weighting Time Weighting Level, d		Level, dB	Frequency, Hz	dB	Specification, dB	
25 127	dDA	SDI	Fast	04	1000	94.0	Ref
33-137	UDA	SFL	Slow	94	1000	94.0	±0.3

Certificate No.: APJ23-155-CC002

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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
			Fast	94	63	94.4	±1.5
		dB SPL			125	94.4	±1.5
35 137	dD				250	94.3	±1.4
55-157	uВ				500	94.2	±1.4
					1000	94.0	Ref
					2000	93.6	±1.6
					4000	93.5	±1.6

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	55.2	-39.4 ±2.0
					63	68.3	-26.2±1.5
		dBA SPL	Fast	94	125	78.2	-16.1±1.5
35,137	dBA				250	85.6	-8.6±1.4
55-157	uDA				500	90.9	-3.2 ± 1.4
					1000	94.0	Ref
					2000	94.8	$+1.2\pm1.6$
					4000	94.5	$+1.0 \pm 1.6$

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. Weighting Time Weight		Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	91.6	-3.0±2.0
					63	93.6	-0.8±1.5
		BC SPL	Fast	94	125	94.2	-0.2±1.5
35 127	dPC				250	94.3	-0.0 ± 1.4
55-157	UDC				500	94.2	-0.0 ± 1.4
					1000	94.0	Ref
					2000	93.4	-0.2 ±1.6
					4000	92.7	-0.8±1.6



Certificate No.: APJ23-155-CC002

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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	± 0.10
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	\pm 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.: APJ23-155-CC002

Certificate of Calibration

for

Description:	Sound Level Meter
Manufacturer:	NTi Audio
Type No.:	XL2 (Serial No.: A2A-09696-E0)
Microphone:	ACO 7052 (Serial No.:73780)
Preamplifier:	NTi Audio MA220 (Serial No.:6282)

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 − 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: 28 February 2024

Date of calibration: 02 March 2024

Date of NEXT calibration: 01 March 2025

Calibrated by: Calibration Technician

Date of issue: 02 March 2024

Certificate No.: APJ23-146-CC003

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:	22.9 °C
Air Pressure:	1005 hPa
Relative Humidity:	61.2 %

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
30-130	dBA	SPL	Fast	94	1000	94.1	±0.4

Linearity

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
				94		94.1	Ref
30-130	dBA	SPL	Fast	104	1000	104.1	±0.3
				114		114.1	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Range, dB Freq. Weighting Time Weighting		Level, dB	Frequency, Hz	dB	Specification, dB	
20.120	4D A	SDI	Fast	04	1000	94.1	Ref
30-130	UDA	SPL	Slow	94	1000	94.1	±0.3

Certificate No.: APJ23-146-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. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	94.0	±2.0
	1				63	94.1	±1.5
					125	94.1	±1.5
					250	94.1	±1.4
30-130	dB	SPL	Fast	94	500	94.1	±1.4
					1000	94.1	Ref
*					2000	94.4	±1.6
					4000	95.2	±1.6
					8000	94.5	+2.1: -3.1

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Range, dB Freq. Weighting Time Weighting		Level, dB	Frequency, Hz	dB	Specification, dB	
					31.5	54.6	-39.4 ±2.0
-					63	67.9	-26.2 ± 1.5
					125	78.0	-16.1 ±1.5
		SPL	Fast	94	250	85.4	-8.6±1.4
30-130	dBA SPL				500	90.9	-3.2 ± 1.4
					1000	94.1	Ref
					2000	95.6	$+1.2\pm1.6$
					4000	96.2	+1.0±1.6
					8000	93.4	-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. W	eighting	Time Weighting	Level, dB Frequency, Hz		dB	Specification, dB
					31.5	91.0	-3.0 ±2.0
					63	93.3	-0.8±1.5
					125	93.9	-0.2±1.5
					250	94.1	-0.0±1.4
30-130	dBC	C SPL	Fast	94	500	94.2	-0.0±1.4
					1000	94.1	Ref
					2000	94.2	-0.2±1.6
					4000	94.4	-0.8±1.6
				8000	91.5	-3.0 +2.1: -3.1	

Certificate No.: APJ23-146-CC003

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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

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:

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	± 0.05
4000 Hz	± 0.05
8000 Hz	± 0.10
1000 Hz	± 0.05
1000 Hz	± 0.05
	31.5 Hz 63 Hz 125 Hz 250 Hz 500 Hz 1000 Hz 2000 Hz 4000 Hz 8000 Hz 1000 Hz 1000 Hz

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.



Certificate No.: APJ23-146-CC003



Certificate of Calibration

for

Description:	Sound Level Calibrator
Manufacturer:	RION
Type No.:	NC-75
Serial No.:	34724244

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.: APJ23-154-CC002

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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 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
Relative Humidity:	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	

Note:

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



Certificate No.: APJ23-154-CC002



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

Date of issue: 24 July 2024

Certified by:

Mr. Ng Yan Wa Laboratory Manager

Certificate No.: APJ24-010-CC001

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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 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
Relative Humidity:	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



<u>Appendix F</u> <u>Noise Monitoring Results</u>



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Location NM2A - No.79B, Lei Yue Mun Hoi Pong Road East								
			Unit: dB (A) (30-mins)					
Date	Date Time		Measured Noise Level					
			L _{eq}	L ₁₀	L ₉₀			
2024-12-06	15:00	Sunny	54.6	58.2	51.6			
2024-12-12	10:59	Fine	58.0	63.0	55.4			
2024-12-18	10:40	Fine	54.1	57.8	45.7			
2024-12-28	9:20	Fine	56.2	60.2	51.8			

Location NM3 - Jockey Club Lei Yue Mun Plus								
			Unit: dB (A) (30-mins)					
Date	Time Weather	Weather	Measured Noise Level					
			Leq	L ₁₀	L ₉₀			
2024-12-06	13:15	Sunny	60.1	62.9	56.9			
2024-12-12	9:13	Fine	62.9	65.0	60.6			
2024-12-18	8:55	Fine	57.9	60.0	55.7			
2024-12-28	8:46	Fine	63.6	65.9	59.9			

Location NM4 - No. 21C, Lei Yue Mun Hoi Pong Road East							
			Unit: dB (A) (30-mins)				
Date	Time Weather	Weather	Measured Noise Level				
			L _{eq}	L ₁₀	L ₉₀		
2024-12-06	14:25	Sunny	66.4	69.2	62.9		
2024-12-12	10:23	Fine	69.7	75.4	58.9		
2024-12-18	10:05	Fine	71.1	74.9	60.7		
2024-12-28	9:56	Fine	67.7	71.1	65.0		















<u>Appendix G</u> <u>Event/Action Plan for Water Quality</u> <u>Exceedance</u>



EVENT		ACT	ION	
EVENI	ET	IEC	ER	CONTRACTOR
Action level being exceeded by one sampling day	 Repeat <i>in-situ</i> measurement to confirm findings; Identify reasons for non- compliance and source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plants, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; (The above actions should be taken within 1 working day after the exceedance is identified) Repeat measurement on next day of exceedance. 	 Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER 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. Assess the effectiveness of the implemented mitigation measures (The above actions should be taken within 1 working day after the exceedance is identified) 	 Inform the ER and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plants and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and ER; 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	 Repeat <i>in-situ</i> measurement to confirm findings; Identify reasons for non- compliance and source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plants, 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; (The above actions should be taken within 1 working day after the exceedance is identified) Repeat measurement on next working day of exceedance. 	 Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER 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; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Inform the ER and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plants and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and ER within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)



EVENT	ΑΑ				TION				
EVENT		ET		IEC		ER		CONTRACTOR	
Limit level being exceeded by one sampling day	1. 2.	Repeat <i>in-situ</i> measurement to confirm findings; Identify reasons for non- compliance and source(s) of impact;	1. 2.	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER	1. 2.	Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods;	1. 2. 3.	Inform the ER and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plants and equipment;	
	3. 4.	Check monitoring data, all plants, equipment and Contractor's working methods;	3.	accordingly; Assess the effectiveness of the implemented mitigation measures.	3. 4.	Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the	4. 5.	Consider changes of working methods; Discuss with ET, IEC and ER and Propose mitigation measures to	
	5.	Discuss mitigation measures with IEC, ER and Contractor;	4.	(The above actions should be taken within 1 working day after	_	implemented mitigation measures.		IEC and ER within 3 working days;	
	6.	Ensure mitigation measures are implemented;		the exceedance is identified)	5.	taken within 1 working day after	6.	mitigation measures	
	7.	Increase the monitoring frequency to daily until no				the exceedance is identified)			
	8.	exceedance of Limit level. (The above actions should be taken within 1 working day after the exceedance is identified)							
Limit level being	1.	Repeat in-situ measurement to	1.	Discuss with ET and Contractor	1.	Discuss with IEC, ET and	1.	Inform the ER and confirm	
exceeded by more than one consecutive sampling day	 2. 3. 4. 5. 6. 7. 	confirm findings; Identify reasons for non- compliance and source(s) of impact; Inform IEC, Contractor and EPD; Check monitoring data, all plants, equipment and Contractor's working methods; Discuss mitigation measures with IEC, ER and Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level for 2	2. 3. 4.	on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	2. 3. 4. 5.	Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the dredging and sand filling work until no exceedance of	2. 3. 4. 5. 6. 7.	notification of the non- compliance in writing; Rectify unacceptable practice; Check all plants and equipment; Consider changes of working methods; Discuss with ET, IEC and ER and Propose mitigation measures to IEC and ER within 3 working days; Implement the agreed mitigation measures; As directed by the ER, to slow down or stop all or part of the dredging and sand filling work.	
	8.	consecutive days. (The above actions should be taken within 1 working day after the exceedance is identified)			6.	Limit level. (The above actions should be taken within 1 working day after the exceedance is identified)			



<u>Appendix H</u> <u>Water Quality Monitoring Equipment</u> <u>Calibration Certificate</u>



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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

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)
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 $\pm\,2.0$ ($^{\circ}C$)

(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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AUTHORIZED SIGNATORY:

LEE Chun-ning Assistant Manager



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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 ---



Test Report No. Date of Issue Page No. : R-BD100074 : 21 October 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 :	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

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)
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 ± 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 $\pm\,2.0$ ($^{\circ}C$)

(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 ---



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<u>Appendix I</u> <u>Water Quality Monitoring Results</u>

Contract No. PI 2/2020 Environmental Monitoring Works for Lei Yue Mun Waterfront Enhancement Project 44th Monthly EM&A Report (December 2024)



aurecon

C1	20241203	Sunny	Moderate	Mid-Ebb	Surface	1	12:05	8.71	8.1	33.07	23.34	3.37	3	0.282	E	/
C1	20241203	Sunny	Moderate	Mid-Ebb	Surface	1	12:05	8.57	8.15	33.1	23.39	3.45	6	0.274	SE	/
C1	20241203	Sunny	Moderate	Mid-Ebb	Middle	9.8	12:04	8.66	8.1	33.01	23.33	3.49	7	0.281	E	/
C1	20241203	Sunny	Moderate	Mid-Ebb	Middle	9.8	12:04	8.64	8.1	33.03	23.29	3.38	4	0.290	SE	/
C1	20241203	Sunny	Moderate	Mid-Ebb	Bottom	18.6	12:03	8.57	8.12	33	23.33	3.24	3	0.290	SE	/
C1	20241203	Sunny	Moderate	Mid-Ebb	Bottom	18.6	12:03	8.71	8.11	33.07	23.34	3.41	5	0.297	E	/
C2	20241203	Sunny	Moderate	Mid-Ebb	Surface	1	13:17	8.12	8.21	32.05	23.46	2.53	2.5	0.284	SE	/
C2	20241203	Sunny	Moderate	Mid-Ebb	Surface	1	13:17	8.15	8.25	32.13	23.46	2.58	2.5	0.264	SE	/
C2	20241203	Sunny	Moderate	Mid-Ebb	Middle	10.55	13:16	8.12	8.22	32.07	23.47	2.69	2.5	0.267	SE	/
C2	20241203	Sunny	Moderate	Mid-Ebb	Middle	10.55	13:16	8.29	8.22	32.01	23.48	2.65	3	0.265	SE	/
C2	20241203	Sunny	Moderate	Mid-Ebb	Bottom	20.1	13:15	8.23	8.21	32.12	23.4	2.64	3	0.286	SE	/
C2	20241203	Sunny	Moderate	Mid-Ebb	Bottom	20.1	13:15	8.29	8.21	32.05	23.4	2.78	2.5	0.295	SE	/
M1	20241203	Sunny	Moderate	Mid-Ebb	Surface	1	12:42	9	8.08	32.75	23.47	1.69	6	0.291	SE	/
M1	20241203	Sunny	Moderate	Mid-Ebb	Surface	1	12:42	8.91	8.1	32.64	23.44	1.67	3	0.269	SE	/
M1	20241203	Sunny	Moderate	Mid-Ebb	Middle	3.65	12:41	8.88	8.1	32.65	23.41	2.07	6	0.290	SE	/
M1	20241203	Sunny	Moderate	Mid-Ebb	Middle	3.65	12:41	8.9	8.13	32.71	23.45	1.89	3	0.266	SE	/
M1	20241203	Sunny	Moderate	Mid-Ebb	Bottom	6.3	12:40	8.94	8.08	32.71	23.4	1.98	3	0.281	SE	/
M1	20241203	Sunny	Moderate	Mid-Ebb	Bottom	6.3	12:40	9	8.13	32.74	23.47	2.05	5	0.293	SE	/
M2	20241203	Sunny	Moderate	Mid-Ebb	Surface	1	12:28	8.27	8.31	32.29	23.33	2.79	7	0.280	SE	/
M2	20241203	Sunny	Moderate	Mid-Ebb	Surface	1	12:28	8.16	8.28	32.35	23.28	2.77	4	0.287	SE	/
M2	20241203	Sunny	Moderate	Mid-Ebb	Middle	5.95	12:27	8.24	8.29	32.27	23.29	2.68	3	0.268	SE	/
M2	20241203	Sunny	Moderate	Mid-Ebb	Middle	5.95	12:27	8.26	8.29	32.37	23.32	2.82	2.5	0.297	SE	/
M2	20241203	Sunny	Moderate	Mid-Ebb	Bottom	10.9	12:26	8.19	8.31	32.31	23.3	2.69	3	0.287	E	/
M2	20241203	Sunny	Moderate	Mid-Ebb	Bottom	10.9	12:26	8.17	8.3	32.3	23.3	2.88	5	0.294	SE	/
M3	20241203	Sunny	Moderate	Mid-Fbb	Surface	1	12:55	8.5	8.15	33.15	23.12	2.84	7	0.273	SE	/
M3	20241203	Sunny	Moderate	Mid-Ebb	Surface	1	12:55	8.53	8.17	33.22	23.18	2.85	6	0.291	F	/
M3	20241203	Sunny	Moderate	Mid-Ebb	Middle	3.5	12:54	8.58	8.12	33.15	23.19	2.73	3	0.290	F	/
M2	20241203	Sunny	Moderate	Mid-Ebb	Middle	2.5	12:54	8.6	9.12	22.10	23.13	2.75	6	0.250	CE CE	/
M3	20241203	Sunny	Moderate	Mid-Ebb	Bottom	5.5	12:53	8.61	8.17	33.16	23.22	2.70	2	0.205	SE	/
M2	20241203	Sunny	Moderate	Mid-Ebb	Bottom	6	12:52	9.46	9.15	22 12	22.10	2.04	25	0.205	SE SE	/
M4	20241203	Sunny	Moderate	Mid_Ebb	Surface	5	12.35	0.40	8 24	22.12	25.19	2.8/	2.5 £	0.285	SE	/
M4	20241203	Sunny	Moderate	Mid.Ebb	Surface	1	13.50	0.69	0.20	32.69	20.55	2.53	0	0.285	cc	/
M4	20241203	Sunny	Moderate	Mid_Ebb	Bottom	1	12-40	0.32	0.20	22.69	20.4	2.38	4 E	0.273	SE	/
M4	20241203	Sunny	Moderate	Mid_Ebb	Bottom	4.2	12-49	0.54	8 74	22.05	20.38	2.48	5	0.281	SE	/
C1	20241203	Suppy	Mederate	Mid Chi	Surface	4.2	13:49	8.96	0.20	32.82	23.37	2.51	3	0.287	эс с	/
C1	20241205	Sunny	Moderate	Mid Chi	Surface	1	14:08	8.17	8.31	32.47	22.92	4.21	2.5	0.266	C	/
	20241205	Sunny	woderate	WIID-EDD	Surrace	1	14:08	8.09	8.31	32.36	22.82	4.33	3	0.272	эс г	/
L1	20241205	Sunny	woderate	MID-Ebb	iviiddle	11.6	14:07	8.16	8.32	32.35	22.86	4.35	3	0.268	E CF	/
C1	20241205	Sunny	Moderate	Mid-Ebb	Middle	11.6	14:07	8.09	8.29	32.38	22.86	4.28	3	0.274	SE	/
C1	20241205	sunny	woderate	MID-Ebb	BOTTOM	22.2	14:06	8.19	8.3	32.42	22.86	4.49	3	0.299	E	/
C1	20241205	Sunny	Moderate	Mid-Ebb	Bottom	22.2	14:06	8.21	8.29	32.46	22.85	4.45	2.5	0.281	E	/
C2	20241205	Sunny	Moderate	Mid-Ebb	Surface	1	15:52	7.99	8.15	32.61	22.79	3.18	5	0.271	E	/
C2	20241205	Sunny	Moderate	Mid-Ebb	Surface	1	15:52	7.95	8.15	32.62	22.79	3.11	4	0.299	SE	/
C2	20241205	Sunny	Moderate	Mid-Ebb	Middle	11.5	15:51	7.99	8.14	32.76	22.76	3.45	6	0.263	SE	/
C2	20241205	Sunny	Moderate	Mid-Ebb	Middle	11.5	15:51	7.97	8.15	32.75	22.78	3.04	4	0.293	SE	/
C2	20241205	Sunny	Moderate	Mid-Ebb	Bottom	22	15:50	8	8.16	32.69	22.76	3.48	4	0.281	SE	/
C2	20241205	Sunny	Moderate	Mid-Ebb	Bottom	22	15:50	8.03	8.14	32.74	22.78	3.3	4	0.269	SE	/
M1	20241205	Sunny	Moderate	Mid-Ebb	Surface	1	14:44	8.9	8.33	33.09	22.75	3.44	5	0.278	SE	/
M1	20241205	Sunny	Moderate	Mid-Ebb	Surface	1	14:44	8.88	8.31	33.18	22.84	3.56	3	0.289	SE	/
M1	20241205	Sunny	Moderate	Mid-Ebb	Middle	3.35	14:43	8.92	8.3	33.12	22.77	3.54	4	0.267	SE	/
M1	20241205	Sunny	Moderate	Mid-Ebb	Middle	3.35	14:43	8.97	8.31	33.11	22.84	3.36	6	0.266	E	/
M1	20241205	Sunny	Moderate	Mid-Ebb	Bottom	5.7	14:42	8.87	8.32	33.17	22.8	3.24	2.5	0.268	SE	/
M1	20241205	Sunny	Moderate	Mid-Ebb	Bottom	5.7	14:42	9	8.33	33.12	22.79	3.21	4	0.299	E	/
M2	20241205	Sunny	Moderate	Mid-Ebb	Surface	1	14:31	8.21	8.34	32.94	22.76	4.18	2.5	0.276	SE	/
M2	20241205	Sunny	Moderate	Mid-Ebb	Surface	1	14:31	8.27	8.31	32.94	22.78	3.79	3	0.285	SE	/
M2	20241205	Sunny	Moderate	Mid-Ebb	Middle	5.8	14:30	8.31	8.34	32.93	22.79	3.83	3	0.276	E	/
M2	20241205	Sunny	Moderate	Mid-Ebb	Middle	5.8	14:30	8.33	8.34	33	22.79	3.98	2.5	0.290	SE	/
M2	20241205	Sunny	Moderate	Mid-Fbb	Bottom	10.6	14:29	8.33	8.32	33.04	22.69	3.92	2.5	0.283	F	/
M2	20241205	Sunny	Moderate	Mid-Ebb	Bottom	10.6	14:29	8.29	8.32	33.02	22.75	3.83	3	0.293	E	/
M3	20241205	Sunny	Moderate	Mid-Ebb	Surface	1	15.00	8 94	8 19	32.23	22.76	4 29	3	0.270	SF	/
M3	20241205	Sunny	Moderate	Mid-Fbb	Surface	1	15:00	8.88	8.21	32.17	22.74	4.01	2.5	0.286	SE	/
M3	20241205	Sunny	Moderate	Mid-Ebb	Middle	3 65	14.59	8.87	8 19	32.25	22.8	3.94	2.5	0.297	SF	/
M3	20241205	Sunny	Moderate	Mid-Ebb	Middle	3.65	14.59	9	8 19	32.23	22.0	4 23	10	0.297	SE	/
M2	20241205	Sunny	Moderate	Mid-Ebb	Rottom	6.2	14.59	9 0 2	9.19	22.25	22.74	9.25	20	0.257	CE CE	/
M3	20241205	Sunny	Moderate	Mid Ebb	Bottom	6.3	14.50	8.04	0.10	32.20	22.0	3.05	3	0.280	CE CE	/
1015	20241205	Sunny	Moderate	Mid Ebb	Surface	0.3	14.30	0.34	0.10	32.10	22.73	4.2	4	0.288	50	/
MA	20241205	Sunny	Moderate	Mid-Ebb	Surface	1	15:22	8.54	0.24	32.98	22.85	3.04	2.5	0.295	-	/
1014	20241205	Sunny	Moderate	MID-EDD	Surrace	1	15:22	8.43	8.22	32.98	22.87	3.16	3	0.296	E Cr	/
1414	20241205	Sung	Moderate	Mid CL	Botto	4.1	15:21	8.43	0.23	33.04	22.81	3.07	3	0.288	э с	/
rv14 C1	20241205	Sunny	woderate	Mid Chi	BULLOM	4.1	15:21	8.53	8.21	33.07	22.85	2.93	2.5	0.286	с е	/
C1	20241207	Sunny	Moderate	Mid Chi	Surface	1	16:08	8.82	8.28	32.48	22.08	4.05	5	0.286	с е	/
	20241207	ounny	woderate	WIID-EDD	Surrace	1	10:08	8.67	8.27	32.26	22.1	4.08	2.5	0.269	с. ст.	/
C1	20241207	Sunny	woderate	WIID-EDD	ivildale	9.35	16:07	8.74	8.28	32.24	22.07	4.02	2.5	0.275	5E 67	/
	20241207	Sunny	woderate	WIID-EDD	nvildale Dette er	9.35	16:07	8.86	8.27	32.23	22.09	4.22	3	0.297	3E	/
L1	20241207	Sunny	woderate	MID-Ebb	Bottom	17.7	16:06	8.67	8.25	32.41	22.08	4.33	2.5	0.264	SE CE	/
C1	20241207	Sunny	Moderate	MIC-EDD	BULLOM Surface	1/.7	10:06	8.69	8.25	32.31	22.07	4.07	5	0.292	5E E	/
C2	20241207	ounny	woderate	WIID-EDD	Surface	1	1/:13	9.01	8.13	32.87	21.99	3.26	3	0.283	с г	/
C2	20241207	Sunny	woderate	MID-Ebb	Surface	1	17:13	9.04	8.14	32.7	21.92	3.19	3	0.283	E	/
C2	20241207	ounny	woderate	WIID-EDD	ivildale Malalala	12.35	1/:12	9	8.13	32.95	21.96	2.93	4	0.279	с г	/
C2	20241207	Sunny	Moderate	Mid-Ebb	Middle	12.35	17:12	8.93	8.16	32.87	22	3.42	3	0.270	t.	/
C2	20241207	sunny	woderate	MID-Ebb	BOTTOM	23.7	17:11	9.12	8.17	32.88	21.95	3.15	6	0.278	E.	/
C2	20241207	Sunny	Moderate	Mid-Ebb	Bottom	23.7	17:11	8.97	8.18	32.73	22.01	3.41	6	0.292	SE	/
M1	20241207	Sunny	Moderate	Mid-Ebb	Surface	1	16:42	8.88	8.23	31.65	22.14	3.03	5	0.297	E.	/
M1	20241207	Sunny	Moderate	Mid-Ebb	Surface	1	16:42	9.13	8.26	31.64	22.17	2.79	3	0.285	5E	/
M1	20241207	Sunny	Moderate	Mid-Ebb	Middle	3.4	16:41	9	8.27	31.65	22.22	2.89	2.5	0.283	t.	/
M1	20241207	Sunny	Moderate	Mid-Ebb	Middle	3.4	16:41	9.01	8.22	31.82	22.23	2.74	2.5	0.277	E	/
M1	20241207	Sunny	Moderate	Mid-Ebb	Bottom	5.8	16:40	9.1	8.24	31.83	22.14	2.94	4	0.298	E	/
M1	20241207	Sunny	Moderate	Mid-Ebb	Bottom	5.8	16:40	9.04	8.27	31.79	22.18	3	2.5	0.265	E	/
M2	20241207	Sunny	Moderate	Mid-Ebb	Surface	1	16:28	8.81	8.14	32.5	21.96	2.87	3	0.289	SE	/
M2	20241207	Sunny	Moderate	Mid-Ebb	Surface	1	16:28	8.78	8.16	32.58	22.03	3.29	2.5	0.263	SE	/
M2	20241207	Sunny	Moderate	Mid-Ebb	Middle	6.4	16:27	8.81	8.15	32.47	22.03	2.9	2.5	0.286	E	/
M2	20241207	Sunny	Moderate	Mid-Ebb	Middle	6.4	16:27	8.78	8.12	32.64	22.02	2.87	4	0.286	E	/
M2	20241207	Sunny	Moderate	Mid-Ebb	Bottom	11.8	16:26	8.99	8.14	32.58	21.95	3.28	2.5	0.286	E	/
M2	20241207	Sunny	Moderate	Mid-Ebb	Bottom	11.8	16:26	8.84	8.15	32.49	21.97	3.15	2.5	0.291	SE	/
M3	20241207	Sunny	Moderate	Mid-Ebb	Surface	1	16:55	8.74	8.22	32.97	21.95	3.32	5	0.281	E	/
M3	20241207	Sunny	Moderate	Mid-Ebb	Surface	1	16:55	8.85	8.22	32.72	21.98	3.2	3	0.265	E	/
M3	20241207	Sunny	Moderate	Mid-Ebb	Middle	3.6	16:54	8.94	8.27	32.75	21.94	2.87	8	0.267	SE	/
M3	20241207	Sunny	Moderate	Mid-Ebb	Middle	3.6	16:54	8.72	8.27	32.77	21.93	3.21	7	0.266	E	/
M3	20241207	Sunny	Moderate	Mid-Ebb	Bottom	6.2	16:53	8.81	8.22	32.94	22	2.97	2.5	0.283	E	/
M3	20241207	Sunny	Moderate	Mid-Ebb	Bottom	6.2	16:53	8.92	8.24	32.93	21.94	3.14	2.5	0.278	E	/
M4	20241207	Sunny	Moderate	Mid-Ebb	Surface	1	17:42	8.55	8.23	31.77	22.07	3.53	2.5	0.271	SE	/
M4	20241207	Sunny	Moderate	Mid-Ebb	Surface	1	17:42	8.45	8.19	31.73	22.04	3.53	2.5	0.279	SE	/
M4	20241207	Sunny	Moderate	Mid-Ebb	Bottom	3.9	17:41	8.64	8.21	31.82	22.06	3.57	2.5	0.282	SE	/
M4	20241207	Sunny	Moderate	Mid-Fhb	Bottom	3.9	17:41	8.63	8.21	31.88	22.02	3 96	2.5	0.280	SE	/
1.11.1		1				5.5		0.00		51.00	LL.JZ	5.50		5.200		


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C1	20241210	Cloudy	Moderate	Mid-Ebb	Surface	1	8:02	8.47	8.32	31.88	21.68	3.36	3	0.276	E	/
C1	20241210	Cloudy	Moderate	Mid-Ebb	Surface	1	8:02	8.58	8.32	31.94	21.68	3.43	4	0.292	E	/
C1	20241210	Cloudy	Moderate	Mid-Ebb	Middle	11.6	8:01	8.52	8.32	31.93	21.69	3.48	4	0.291	E	/
C1	20241210	Cloudy	Moderate	Mid-Ebb	Middle	11.6	8:01	8.61	8.33	31.91	21.68	3.44	4	0.286	E	/
C1	20241210	Cloudy	Moderate	Mid-Ebb	Bottom	22.2	8:00	8.6	8.34	31.94	21.68	3.79	3	0.290	SE	/
C1	20241210	Cloudy	Moderate	Mid-Ebb	Bottom	22.2	8:00	8.55	8.33	31.89	21.68	3.55	2.5	0.287	SE	/
C2	20241210	Cloudy	Moderate	Mid-Ebb	Surface	1	9:12	8.57	8.21	32.32	21.5	2.91	3	0.263	E	/
C2	20241210	Cloudy	Moderate	Mid-Ebb	Surface	1	9:12	8.61	8.22	32.34	21.49	2.69	2.5	0.293	SE	/
C2	20241210	Cloudy	Moderate	Mid-Ebb	Middle	12.3	9:11	8.65	8.23	32.33	21.5	2.75	4	0.280	SE	/
C2	20241210	Cloudy	Moderate	Mid-Ebb	Middle	12.3	9:11	8.67	8.24	32.37	21.51	2.94	2.5	0.300	SE	/
C2	20241210	Cloudy	Moderate	Mid-Ebb	Bottom	23.6	9:10	8.57	8.22	32.31	21.51	2.56	2.5	0.266	SE	/
C2	20241210	Cloudy	Moderate	Mid-Ebb	Bottom	23.6	9:10	8.69	8.24	32.35	21.5	2.74	2.5	0.271	E	/
M1	20241210	Cloudy	Moderate	Mid-Ebb	Surface	1	8:35	8.67	8.09	31.73	21.73	2.65	3	0.278	E	/
M1	20241210	Cloudy	Moderate	Mid-Ebb	Surface	1	8:35	8.6	8.11	31.76	21.71	3.07	3	0.297	SE	/
M1	20241210	Cloudy	Moderate	Mid-Ebb	Middle	3.45	8:34	8.56	8.11	31.75	21.72	3.08	5	0.289	E	/
M1	20241210	Cloudy	Moderate	Mid-Ebb	Middle	3.45	8:34	8.69	8.12	31.72	21.7	2.76	3	0.293	SE	/
M1	20241210	Cloudy	Moderate	Mid-Ebb	Bottom	5.9	8:33	8.55	8.08	31.76	21.69	2.97	2.5	0.300	SE	/
M1	20241210	Cloudy	Moderate	Mid-Ebb	Bottom	5.9	8:33	8.58	8.12	31.72	21.69	2.85	2.5	0.290	SE	/
M2	20241210	Cloudy	Moderate	Mid-Ebb	Surface	1	8:22	8.98	8.14	32.53	21.71	2.06	3	0.286	SE	/
M2	20241210	Cloudy	Moderate	Mid-Ebb	Surface	1	8:22	8.93	8.13	32.56	21.7	2.09	4	0.301	SE	/
M2	20241210	Cloudy	Moderate	Mid-Ebb	Middle	6.45	8:21	8.88	8.14	32.59	21.7	2.1	3	0.286	SE	/
M2	20241210	Cloudy	Moderate	MIG-EDD	Middle	6.45	8:21	9	8.12	32.59	21.71	2.2	2.5	0.267	E	/
M2	20241210	Cloudy	Moderate	MIG-EDD	Bottom	11.9	8:20	8.8/	8.12	32.58	21./3	2.53	4	0.264	E	/
MZ	20241210	Cloudy	Moderate	IVIIO-EDD	Bottom	11.9	8:20	8.85	8.12	32.58	21.7	2.28	6	0.297	E	/
M3	20241210	Cloudy	Moderate	MID-EDD	Surface	1	8:49	8.99	8.14	32.59	21.64	1.89	3	0.266	SE	/
IVI3	20241210	Cloudy	Moderate	Mid Ebb	Surrace	1	8:49	8.95	8.17	32.64	21.6	1.95	2.5	0.274	SE	/
IVI3	20241210	Cloudy	Moderate	Mid Ebb	Middle	4	0.40	0.92	0.10	32.04	21.0	2.03	3	0.283	SE E	/
110	20241210	Cloudy	Moderate	Mid Ebb	Rettom	4	0.40	0.92	0.14	32.03	21.03	1.55	2.5	0.281	с с	/
N/3	20241210	Cloudy	Moderate	Mid Ebb	Bottom	7	0.47	9.02	0.10	32.02	21.03	1.98	2.5	0.273	C	/
M4	20241210	Cloudy	Moderate	Mid.Ebb	Surface	/	8:47	8.89	0.15	32.04	21.02	1.97	- 4	0.280	SE CE	/
N/4	20241210	Cloudy	Moderate	Mid-Ebb	Surface	1	9:42	8.42	0.13	31.83	21.5/	2.01	2.5	0.299	5	/
M4	20241210	Cloudy	Moderate	Mid_Ebb	Bottom	1	9:42	8.44 9.42	0.15 8 1F	31.8	21.59	2.14	4 E	0.276	L SF	/
M4	20241210	Cloudy	Moderate	Mid_Ebb	Bottom	4.5 A E	9.41 0-/11	0.42	0.15 8.1F	21.0	21.37	2.18	5	0.285	SE	/
C1	20241212	Cloudy	Moderate	Mid-Ebb	Surface	4.5	9.41	0.4	0.13	21.62	21.01	2.24	3	0.2/1	F	/
C1	20241212	Cloudy	Moderate	Mid-Fhb	Surface	1	8.07	0.25 g 1/	8 1 2	32.73	22.91	3.77	4 2 E	0.300	F	/
C1	20241212	Cloudy	Moderate	Mid-Ebb	Middle	11.05	8.07	0.14	8 12	22.71	22.35	3.84	2.5	0.284	SF	/
C1	20241212	Cloudy	Moderate	Mid_Ebb	Middle	11.05	0.00 9-0-C	0.1/	8 11	22.71	22.39	3.0	2	0.279	SE	/
C1	20241212	Cloudy	Moderate	Mid-Fhb	Bottom	21.05	8.05	0.15	0.11 8 1	32.08	22.09	3.00	2.5	0.296	SF	/
C1	20241212	Cloudy	Moderate	Mid-Ebb	Bottom	21.1	8.05	9.15	9 1 4	22.64	22.5	2.12	2.5	0.275	SE CE	/
C1	20241212	Cloudy	Moderate	Mid-Ebb	Surface	21.1	0.03	0.15	9.20	22.04	22.32	3.42	2.5	0.288	SE	/
02	20241212	Cloudy	Moderate	Mid-Ebb	Surface	1	0.13	9.05	9.23	22 17	22.03	2.16	2.5	0.265	E C	/
C2	20241212	Cloudy	Moderate	Mid-Ebb	Middle	10.7	0.13	9.09	9.20	22.19	22.02	2.09	2.5	0.205	CE CE	/
02	20241212	Cloudy	Moderate	Mid-Ebb	Middle	10.7	0.12	0.00	0.23	22.09	22.03	2.56	25	0.285	E .	/
C2	20241212	Cloudy	Moderate	Mid-Ebb	Rottom	20.4	9.12	9.02	0.5 9.20	22 12	22.62	3.20	2.5	0.230	c	/
C2	20241212	Cloudy	Moderate	Mid-Ebb	Bottom	20.4	9.11	8 99	8 32	33.15	22.77	3.31	2.5	0.277	F	/
M1	20241212	Cloudy	Moderate	Mid-Ebb	Surface	20.4	9.11	8.55	9 21	22.61	22.01	2.41	25	0.234	CE CE	/
M1	20241212	Cloudy	Moderate	Mid-Ebb	Surface	1	8.40	9.74	0.31	22.61	22.77	3.41	2.5	0.272	5C	/
N/1	20241212	Cloudy	Moderate	Mid Ebb	Middle	2 5	8,20	0.74	0.32	22.01	22.01	3.4	2.5	0.205	C.E.	/
M1	20241212	Cloudy	Moderate	Mid-Ebb	Middle	3.3	0.33	8.73	9.27	32.0	22.04	3.45	2.5	0.270	SE	/
M1	20241212	Cloudy	Moderate	Mid-Ebb	Bottom	5.5	8.35	8.79	8.28	32.45	22.0	3.45	2.5	0.207	SE	/
M1	20241212	Cloudy	Moderate	Mid-Ebb	Bottom	6	0.30	8.73	9.20	22.55	22.74	2.52	2.5	0.237	c.	/
M2	20241212	Cloudy	Moderate	Mid-Ebb	Surface	1	0.30	8.67	0.27	22.0	22.0	3.33	25	0.273	c	/
M2	20241212	Cloudy	Moderate	Mid-Ebb	Surface	1	8.20	8.65	9.22	22.19	22.75	2.55	2.5	0.282	CE CE	/
M2	20241212	Cloudy	Moderate	Mid-Ebb	Middle	5.8	8.20	8.66	8 19	33.10	22.75	2.02	2.5	0.280	SE	/
M2	20241212	Cloudy	Moderate	Mid-Ebb	Middle	5.0	8.25	8.67	9.22	22 21	22.74	2.00	25	0.200	SE CE	/
M2	20241212	Cloudy	Moderate	Mid-Ebb	Rottom	10.6	8.23	9.55	9.23	22 12	22.01	2.57	2.5	0.233	c.	/
M2	20241212	Cloudy	Moderate	Mid-Ebb	Bottom	10.0	8.24	8.65	8.2	33.12	22.0	2.05	25	0.200	SF	/
M2	20241212	Cloudy	Moderate	Mid-Ebb	Surface	10.0	9.52	8.05	9.25	22.26	22.0	2.05	2.5	0.272	SE CE	/
M3	20241212	Cloudy	Moderate	Mid-Fbb	Surface	1	8.53	8 25	8 29	33.20	22.01	2.98	2	0.203	SE	/
M3	20241212	Cloudy	Moderate	Mid-Fbb	Middle	3.4	8.52	8 25	8.28	33.33	22.01	3 33	25	0.265	SE	/
M3	20241212	Cloudy	Moderate	Mid-Ebb	Middle	3.4	8.52	8.22	8.24	33.35	22.74	3.1	2.5	0.204	F	/
M3	20241212	Cloudy	Moderate	Mid-Ebb	Bottom	5.8	8.51	8 16	8.24	33.29	22.75	3.07	2.5	0.230	SF	/
M2	20241212	Cloudy	Moderate	Mid-Ebb	Bottom	5.0	8.51	0.10	0.20	22.25	22.74	3.07	3	0.287	c.	/
M4	20241212	Cloudy	Moderate	Mid-Ebb	Surface	5.0	9:40	8 76	8.25	31.98	22.75	3.19	25	0.205	SF	/
M4	20241212	Cloudy	Moderate	Mid-Ebb	Surface	1	9:40	8 71	8 25	32.03	22.00	3.08	2.5	0.290	F	/
M4	20241212	Cloudy	Moderate	Mid-Fhh	Bottom	4 4	9.40	0.71 g g1	8.20	31 99	22.32	3.08		0.250	E	/
M4	20241212	Cloudy	Moderate	Mid-Ebb	Bottom	4.4	0.30	9 70	9.27	21.00	22.01	2 20	25	0.255	CE CE	/
C1	20241214	Cloudy	Moderate	Mid-Fhb	Surface	4.4	9.39	Q 21	8 25	22.37	22.33	3.25	2.5	0.202	SF	/
C1	20241214	Cloudy	Moderate	Mid-Fbb	Surface	1	9.31	9.31	8 34	32.18	21.17	3.47	2.5	0.255	F	/
C1	20241214	Cloudy	Moderate	Mid-Fhh	Middle	9.65	9:30	9.28	8.35	32.19	21.13	3,53	2.5	0.203	SE	/
C1	20241214	Cloudy	Moderate	Mid-Fhh	Middle	9.65	9:30	9.21	8.34	32.14	21.13	3,41	A	0.252	SE	/
C1	20241214	Cloudy	Moderate	Mid-Fhb	Bottom	18 3	9:29	9.26	8 31	32.17	21.19	3 64	2.5	572.0 FAC 0	E	/
C1	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	18.3	9:29	9,31	8.33	32.16	21.14	3.55	2.5	0.301	SE	/
C2	20241214	Cloudy	Moderate	Mid-Ebb	Surface	1	10:51	9,21	8.31	32.06	21.29	3.06	2.0	0.276	SE	/
C2	20241214	Cloudy	Moderate	Mid-Ebb	Surface	1	10:51	9.2	8.31	32	21.33	3.23	2.5	0.299	SE	/
C2	20241214	Cloudy	Moderate	Mid-Ebb	Middle	11.45	10:50	9.23	8.32	32.04	21.32	2.88	3	0.290	SE	/
C2	20241214	Cloudy	Moderate	Mid-Ebb	Middle	11.45	10:50	9,15	8.31	32	21.26	3.01	2.5	0.281	E	/
C2	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	21.9	10:49	9.25	8.29	32.03	21.32	3.16	4	0.297	SE	/
C2	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	21.9	10:49	9.17	8.28	32.02	21.28	3.03	5	0.266	SE	/
M1	20241214	Cloudy	Moderate	Mid-Ebb	Surface	1	10:10	8.88	8.22	32	21.06	3.12	2.5	0.270	SE	/
M1	20241214	Cloudy	Moderate	Mid-Ebb	Surface	1	10:10	8.84	8.21	32	21.09	3.01	2.5	0.269	E	/
M1	20241214	Cloudy	Moderate	Mid-Ebb	Middle	3.6	10:09	8.93	8.19	31.99	21.02	3.1	4	0.268	SE	/
M1	20241214	Cloudy	Moderate	Mid-Ebb	Middle	3.6	10:09	8.91	8.19	31.95	21.03	3.19	3	0.281	E	/
M1	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	6.2	10:08	8.86	8.22	31.95	21.1	2.98	2.5	0.293	SE	/
M1	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	6.2	10:08	8.87	8.19	31.96	21.02	2.81	4	0.284	E	/
M2	20241214	Cloudy	Moderate	Mid-Ebb	Surface	1	9:51	8.55	8.29	32.32	21.29	2.78	3	0.288	E	/
M2	20241214	Cloudy	Moderate	Mid-Ebb	Surface	1	9:51	8.62	8.28	32.33	21.37	3.06	2.5	0.269	SE	/
M2	20241214	Cloudy	Moderate	Mid-Ebb	Middle	6	9:50	8.62	8.3	32.34	21.36	3.21	2.5	0.282	SE	/
M2	20241214	Cloudy	Moderate	Mid-Ebb	Middle	6	9:50	8.57	8.26	32.37	21.29	3.02	5	0.270	SE	/
M2	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	11	9:49	8.65	8.26	32.33	21.29	3.24	3	0.279	SE	/
M2	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	11	9:49	8.58	8.3	32.32	21.32	3.11	4	0.272	SE	/
M3	20241214	Cloudy	Moderate	Mid-Ebb	Surface	1	10:24	8.42	8.38	31.75	21.1	3.17	2.5	0.299	E	/
M3	20241214	Cloudy	Moderate	Mid-Ebb	Surface	1	10:24	8.38	8.41	31.74	21.12	2.97	2.5	0.295	SE	/
M3	20241214	Cloudy	Moderate	Mid-Ebb	Middle	3.35	10:23	8.38	8.39	31.7	21.13	2.85	3	0.289	E	/
M3	20241214	Cloudy	Moderate	Mid-Ebb	Middle	3.35	10:23	8.42	8.38	31.71	21.11	3.03	2.5	0.294	SE	/
M3	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	5.7	10:22	8.4	8.39	31.77	21.12	2.86	4	0.275	E	/
M3	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	5.7	10:22	8.41	8.38	31.77	21.15	3.08	3	0.285	SE	/
M4	20241214	Cloudy	Moderate	Mid-Ebb	Surface	1	11:20	8.68	8.33	32.13	21.1	3.16	2.5	0.286	SE	/
M4	20241214	Cloudy	Moderate	Mid-Ebb	Surface	1	11:20	8.69	8.33	32.19	21.09	3.11	5	0.271	SE	/
M4	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	3.9	11:19	8.64	8.32	32.16	21.13	3.03	3	0.284	E	/
M4	20241214	Cloudy	Moderate	Mid-Ebb	Bottom	3.9	11:19	8.64	8.32	32.14	21.14	2.91	3	0.265	E	/
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C1	20241217	Cloudy	Moderate	Mid-Ebb	Surface	1	12:13	9.34	8.13	32.42	20.77	4.3	6	0.270 SE	/
C1	20241217	Cloudy	Moderate	Mid-Ebb	Surface	1	12:13	9.35	8.14	32.36	20.76	4.15	4	0.288 SE	/
C1	20241217	Cloudy	Moderate	Mid-Ebb	Middle	11.4	12:12	9.38	8.13	32.42	20.76	4.3	8	0.280 E	/
C1	20241217	Cloudy	Moderate	Mid-Ebb	Middle	11.4	12:12	9.3	8.14	32.44	20.78	4.19	5	0.293 SE	/
C1	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	21.8	12:11	9.36	8.12	32.52	20.76	4.46	6	0.277 E	/
C1	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	21.8	12:11	9.38	8.16	32.48	20.72	4.36	4	0.294 SE	/
C2	20241217	Cloudy	Moderate	Mid-Ebb	Surface	1	13:25	9.83	8.15	30.65	21.03	3.89	5	0.292 SE	/
C2	20241217	Cloudy	Moderate	Mid-Ebb	Surface	1	13:25	9.8	8.12	30.83	21.05	3.84	7	0.279 SE	/
C2	20241217	Cloudy	Moderate	Mid-Ebb	Middle	10.95	13:24	9.82	8.14	30.65	21	3.47	4	0.297 SE	/
C2	20241217	Cloudy	Moderate	Mid-Ebb	Middle	10.95	13:24	9.81	8.13	30.75	21	3.51	8	0.263 SE	/
C2	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	20.9	13:23	9.83	8.11	30.76	21.06	3.6	4	0.291 SE	/
C2	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	20.9	13:23	9.73	8.11	30.66	21.07	3.77	4	0.272 SE	/
M1	20241217	Cloudy	Moderate	Mid-Ebb	Surface	1	12:50	8.57	8.15	31.15	21.01	3.71	4	0.284 SE	/
M1	20241217	Cloudy	Moderate	Mid-Ebb	Surface	1	12:50	8.59	8.12	31.14	20.94	3.98	4	0.270 SE	/
M1	20241217	Cloudy	Moderate	Mid-Ebb	Middle	3.4	12:49	8.64	8.15	31.17	20.98	3.81	6	0.276 SE	/
M1	20241217	Cloudy	Moderate	Mid-Ebb	Middle	3.4	12:49	8.65	8.15	31.05	20.96	4.01	6	0.292 SE	/
M1	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	5.8	12:48	8.62	8.12	31.16	21.02	3.72	8	0.275 SE	/
M1	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	5.8	12:48	8.65	8.14	31.23	21.02	4.07	14	0.294 E	/
M2	20241217	Cloudy	Moderate	Mid-Ebb	Surface	1	12:35	9	8.29	31.85	20.68	3.68	8	0.266 E	/
M2	20241217	Cloudy	Moderate	Mid-Ebb	Surface	1	12:35	9	8.27	31.71	20.68	3.29	7	0.274 SE	/
M2	20241217	Cloudy	Moderate	Mid-Ebb	Middle	5.95	12:34	9.07	8.27	31.8	20.67	3.39	5	0.297 SE	/
M2	20241217	Cloudy	Moderate	Mid-Ebb	Middle	5.95	12:34	9.05	8.31	31.88	20.66	3.34	7	0.273 E	/
M2	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	10.9	12:33	9.09	8.31	31.73	20.61	3.42	6	0.274 SE	/
M2	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	10.9	12:33	9.09	8.28	31.84	20.68	3.4	4	0.288 SE	/
M3	20241217	Cloudy	Moderate	Mid-Ebb	Surface	1	13:05	8.76	8.35	31.53	20.93	3.29	4	0.267 SE	/
M3	20241217	Cloudy	Moderate	Mid-Ebb	Surface	1	13:05	8.77	8.35	31.35	20.95	3.68	6	0.281 SE	/
M3	20241217	Cloudy	Moderate	Mid-Ebb	Middle	4	13:04	8.69	8.33	31.52	20.94	3.42	6	0.264 E	/
M3	20241217	Cloudy	Moderate	Mid-Ebb	Middle	4	13:04	8 71	8 32	31.45	20.89	3.78	6	0.285 F	/
M3	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	7	13:03	8.72	8.32	31.41	20.95	3.58	10	0.280 SE	/
M3	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	7	13:03	8 76	8 34	31.49	20.97	3 33	7	0.269 SE	/
M4	20241217	Cloudy	Moderate	Mid-Fhh	Surface	, 1	13:55	8.63	8.3	31.45	20.97	3.35	6	0.233 SE	
M4	20241217	Cloudy	Moderate	Mid-Fhh	Surface	1	13:55	8.67	8.28	31.37	20.99	3.54	8	0.299 SF	ľ/
M4	20241217	Cloudy	Moderate	Mid-Fhh	Bottom	45	13:54	8.69	8.31	31.39	20.33	3.42	8	0.284 SF	
M4	20241217	Cloudy	Moderate	Mid-Ebb	Bottom	4.5	13:54	8.63	8.3	31.42	20.98	3.64	4	0.299 F	ť/
C1	20241219	Cloudy	Moderate	Mid-Fhh	Surface	1	13:46	9.56	8.36	31.08	20.91	3 72	4	0.285 SF	ľ/
C1	20241219	Cloudy	Moderate	Mid-Fhh	Surface	1	13:46	9,53	8.34	31.07	20.91	3.60	4	0.203 SE	
C1	20241219	Cloudy	Moderate	Mid-Fhh	Middle	10 75	13.45	9.55	8.36	30 97	20.50	2 96 2	2	0.25150	
C1	20241219	Cloudy	Moderate	Mid-Ebb	Middle	10.75	13:45	9.64	8 32	30.97	20.50	3.78	3	0.289 SE	· · · · · · · · · · · · · · · · · · ·
C1	20241219	Cloudy	Moderate	Mid-Ebb	Bottom	20.5	13:44	9.63	8.32	31.01	20.98	3.81	3	0.268 SE	í,
C1	20241219	Cloudy	Moderate	Mid-Ebb	Bottom	20.5	13:44	9.62	8 32	31	20.97	3.75	3	0.264.5F	/
(2	20241219	Cloudy	Moderate	Mid-Ebb	Surface	1	15:00	8.6	8 13	32.04	21.01	3.09	2	0.204 SL	· · · · · · · · · · · · · · · · · · ·
C2	20241219	Cloudy	Moderate	Mid-Ebb	Surface	1	15:00	8.6	9.16	21.05	21.01	2.07	5	0.200 SE	,
C2	20241215	Cloudy	Moderate	Mid-Ebb	Middle	10.6	14-50	9.52	9 14	22.02	21.05	2.16	5	0.230 SE	/
02	20241215	Cloudy	Moderate	Mid-Ebb	Middle	10.0	14.55	9.62	9.14	21.02	21.07	2.04	3	0.274 52	/
C2	20241215	Cloudy	Moderate	Mid-Ebb	Rottom	20.2	14.59	9.56	9.14	21.09	21.04	2.04	4	0.250 SE	/
C2	20241219	Cloudy	Moderate	Mid-Ebb	Bottom	20.2	14:58	8.61	8 16	31.92	21.02	3.17	7	0.300 SE	/
M1	20241219	Cloudy	Moderate	Mid-Ebb	Surface	1	14:30	0.01	9.12	21.32	20.0	2.62	, 5	0.270 52	,
M1	20241219	Cloudy	Moderate	Mid-Ebb	Surface	1	14.22	9.2	8.09	31.24	20.5	2.03	2	0.272 E	/
M1	20241219	Cloudy	Moderate	Mid-Ebb	Middle	2.4	14.21	9.21	8.00	21.25	20.94	2.00	5	0.260 52	,
M1	20241219	Cloudy	Moderate	Mid-Ebb	Middle	3.4	14.21	9.17	8.09	31.25	20.94	2.55	5	0.207 SE	/
M1	20241219	Cloudy	Moderate	Mid-Ebb	Bottom	5.8	14:20	9.19	8 13	31.22	20.93	2.92	6	0.260 SL	· · · · · · · · · · · · · · · · · · ·
M1	20241219	Cloudy	Moderate	Mid-Ebb	Bottom	5.8	14:20	9.22	8 11	31.31	20.95	3.06	7	0.207 E	, /
M2	20241215	Cloudy	Moderate	Mid-Ebb	Surface	5.0	14.20	9.96	9 14	31.51	20.55	2.10	, 7	0.270 32	/
M2	20241219	Cloudy	Moderate	Mid-Ebb	Surface	1	14:10	8.00	9.1	21.04	21.05	2.20	,	0.266 5	,
M2	20241219	Cloudy	Moderate	Mid-Ebb	Middle	6.15	14:09	8.83	8 14	31.94	21.01	3.07	4	0.200 E	/
M2	20241219	Cloudy	Moderate	Mid-Ebb	Middle	6.15	14:00	9.03	8.00	22.06	21.04	2.01	4	0.269 55	,
M2	20241219	Cloudy	Moderate	Mid-Ebb	Rottom	11.2	14.09	0.95	9.12	21.05	21.03	2.91	0	0.208 3E	/
M2	20241215	Cloudy	Moderate	Mid-Ebb	Bottom	11.3	14.00	9.04	9 11	22.02	21.07	2.0	0	0.275 E	/
M2	20241215	Cloudy	Moderate	Mid Ebb	Surface	11.5	14:00	8.03	0.11	21.02	21.02	3.03	2	0.204 E	,
M2	20241215	Cloudy	Moderate	Mid-Ebb	Surface	1	14.35	8.55	9 12	21.35	21.04	2.4	2	0.203 E	/
M3	20241215	Cloudy	Moderate	Mid Ebb	Middle	20	14:33	0.52	0.13	21.20	21.00	2.01	5	0.277 5E	,
M2	20241219	Cloudy	Moderate	Mid-Ebb	Middle	3.0	14.34	0.03	0.11	21.32	21.05	2.41	2	0.271 5E	/
M2	20241215	Cloudy	Moderate	Mid-Ebb	Rottom	5.0	14.34	0.52	9.1	21.2	21.07	2.0	25	0.275 E	/
M2	20241215	Cloudy	Moderate	Mid-Ebb	Bottom	6.6	14.33	0.05	9.12	21.26	21.07	2.04	2.5	0.255 E	/
MA	20241215	Cloudy	Moderate	Mid-Ebb	Surface	0.0	14.33	9 70	9 22	21 71	21.00	2.37	3	0.255 E	/
M4	20241219	Cloudy	Moderate	Mid-Ebb	Surface	1	15:20	9.69	9 22	21 74	21.04	2.21	4	0.205 52	,
M4	20241219	Cloudy	Moderate	Mid_Ebb	Bottom	1	15-20	0.08	0.33 8 21	21 77	21.04	2.47	4	0.26/35	
M4	20241219	Cloudy	Moderate	Mid_Ebb	Bottom	4./	15.29	0./8	0.51	21 71	21.01	2.59	5	0.208 5E	
C1	20241223	Cloudy	Moderate	Mid_Ebb	Surface	4./	15.29	0./1	0.33 8 AF	21 65	21.04	2.37	4	0.208 E	
C1	20241221	Cloudy	Moderate	Mid-Fhb	Surface	1	15-11	Q 11	Q 1	31.03	20.75	4.15 A 11	л Л	0.232 30	ľ/
C1	20241221	Cloudy	Moderate	Mid-Fhb	Middle	10.9	15.10	9.11	Q 1	31.00	20.75	4.11 A 26	4	0.235 35	
C1	20241221	Cloudy	Moderate	Mid-Fhb	Middle	10.0	15.10	9.09	8 05	21 52	20.74	4.50 A 19	1	0.235 50	
C1	20241221	Cloudy	Moderate	Mid-Ebb	Bottom	10.8	15.00	0.11	8 nr	21 71	20.75	4.10	4	0.235 E	ľ/
C1	20241221	Cloudy	Moderate	Mid-Fhb	Bottom	20.0	15.09	Q 11	8 07	31.71	20.78	4.24	25	0.292 50	· · · · · · · · · · · · · · · · · · ·
C2	20241221	Cloudy	Moderate	Mid-Fhb	Surface	20.0	16.22	9.11	8 10	31.37	20.0	4.23	2.5 6	0.203 E	ľ/
C2	20241221	Cloudy	Moderate	Mid-Fhb	Surface	1	16.22	0.37 8 //E	8 15	30.05	20.07	3.37	2	0.237 35	
(2	20241221	Cloudy	Moderate	Mid-Fhb	Middle	13	16.22	0.43 g E	8 1.9	30.30	20.05	3.41	л л	0.203 35	
(2	20241221	Cloudy	Moderate	Mid-Fhb	Middle	12	16.21	8,40	8 15	31.00	20.00	3 36	4	0.200 3E	
(2	20241221	Cloudy	Moderate	Mid-Fhb	Bottom	12	16.20	Q E 7	8 16	31.03	20.02	3.30	2	0.203 35	
(2	20241221	Cloudy	Moderate	Mid_Ebb	Bottom	23	16-20	0.3/	8 16	21.02	20.05	3.43	3	0.261 55	
M1	20241221	Cloudy	Moderate	Mid-Ebb	Surface	23	15-46	6.0 23 S	8 12	31.01	20.04	5.28	3	0.209 5E	
M1	20241221	Cloudy	Moderate	Mid-Ebb	Surface	1	15:46	8.69	8 13	31.27	20.82	2.07	4	0.255 SE	/
M1	20241221	Cloudy	Moderate	Mid_Ebb	Middle	2.4	15.40	0.09	0.13	21.24	20.60	2.89	D	0.2/9 5E	
M1	20241221	Cloudy	Moderate	Mid-Fhb	Middle	3.4	15-45	0.7 8 67	8 12	31.24	20.87	3.03	2	0.300 50	
M1	20241221	Cloudy	Moderate	Mid_Ebb	Bottom	5.4 E 0	15-45	0.07	0.13 8 AP	21.18	20.60	2.78	3	0.230 E	
M1	20241221	Cloudy	Moderate	Mid_Ebb	Bottom	5.6 F 0	15-44	0.03	8 12	21.28	20.60	2.09	3	0.2/4 E	ť/
M2	20241221	Cloudy	Moderate	Mid-Ebb	Surface	J.8 1	15-22	80.0 Q 24	8 25	31.20	20.81	2.78	4	0.204 5E	
M2	20241221	Cloudy	Moderate	Mid-Fhb	Surface	1	15.32	0.34 0.27	8 27	32.13	20.77	3.72	5	0.203 E	······
M2	20241221	Cloudy	Moderate	Mid-Fhb	Middle	65	15-21	9.37 Q 27	8 27	32.00	20.72	3.51	2	0.204 30	
M2	20241221	Cloudy	Moderate	Mid-Ehh	Middle	0.5 6 F	15-21	0.3/	8 20	22.00	20.73	3.31	3 2 F	0.203 35	
M2	20241221	Cloudy	Moderate	Mid-Fhb	Bottom	10.5	15-20	9.54 Q 21	8 2.20	32.12	20.74	3.03	2.5	0.272 SE	
M2	20241221	Cloudy	Moderate	Mid-Ebb	Bottom	12	15.30	9.31	0.28	22.18	20.75	3.49	8	0.233 35	
M3	20241221	Cloudy	Moderate	Mid_Ebb	Surface	12	16-01	9.35	0.27 8 AP	21.07	20.72	3.83	5	0.209 E	ť/
M3	20241221	Cloudy	Moderate	Mid-Fhb	Surface	1	16:01	9.32	8 11	21.05	20.87	3.02 2 QA	4	0.200 E	
M3	20241221	Cloudy	Moderate	Mid-Fhb	Middle	2 5	16:00	9.30 Q 22	8 11	31.03	20.80	2.34	2	0.205 35	/
M3	20241221	Cloudy	Moderate	Mid-Fhb	Middle	3.5	16:00	9.55	8 00	31.92	20.62	3.1/	2 5	0.207 5E	ť/
M3	20241221	Cloudy	Moderate	Mid-Ehh	Bottom	3.3 c	15-50	0.39	8.09	21 20	20.03	2.30	2.5	0.2/3 E	
M3	20241221	Cloudy	Moderate	Mid-Ebb	Bottom	6	15.59	9.39	8 0.9	31.69	20.82	2.76	4	0.200 E	ť/
M4	20241221	Cloudy	Moderate	Mid-Fhh	Surface	1	16:52	9.15	8.23	31.57	20.05	3.14	2	0.202 SE	
M4	20241221	Cloudy	Moderate	Mid-Fhb	Surface	1	16.52	Q 12	8 1.9	31.67	20.77	3.14	5	0.275 52	ť/
M4	20241221	Cloudy	Moderate	Mid-Fhb	Bottom	20	16.51	9.15	Q.10	31.07	20.72	J.12 2 71	л л	0.204 50	
N/4	20241221	Cloudy	Moderate	Mid_Ebk	Bottom	3.8	10:51	9.2	8.2	31./8	20.74	2./1	4	0.2/6 E	/
1914	20241221	ciouuy	mouerate	IVIIU-EDD	DOLLOIN	3.8	10:51	9.12	0.23	51.05	20.73	3.04	3	0.300 SE	V



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C1	20241224	Cloudy	Moderate	Mid-Ebb	Surface	1	8:02	9.08	8.31	32.65	21.93	2.62	2.5	0.271	SE	/
C1	20241224	Cloudy	Moderate	Mid-Ebb	Surface	1	8:02	9.06	8.3	32.54	21.91	2.7	5	0.275	SE	/
C1	20241224	Cloudy	Moderate	Mid-Ebb	Middle	11	8:01	9.13	8.28	32.55	21.92	2.86	2.5	0.285	SE	/
C1	20241224	Cloudy	Moderate	Mid-Ebb	Middle	11	8:01	8.95	8.27	32.46	21.92	2.75	4	0.278	SE	/
C1	20241224	Cloudy	Moderate	Mid-Fbb	Bottom	21	8:00	9.17	8.28	32.66	21.87	2.92	2.5	0.288	F	/
C1	20241224	Cloudy	Moderate	Mid-Ebb	Bottom	21	8.00	9.08	8.26	32.56	21.91	2.86	2.5	0.281	SF	/
C1	20241224	Cloudy	Moderate	Mid Ebb	Surface		0.00	0.07	0.20	22.00	21.51	2.00	2.5	0.201	CE	/
C2	20241224	Cloudy	Moderate	NALL CEL	Surface	1	9.15	9.07	0.25	32.08	21.05	2.24	3	0.293	5C	/
CZ	20241224	Cloudy	Moderate	IVIIO-EDD	Surrace	1	9:13	9.01	8.25	32.09	21.68	2.47	3	0.290	E	/
C2	20241224	Cloudy	Moderate	Mid-Ebb	Middle	11	9:12	8.93	8.26	32.14	21.71	2.21	5	0.286	E	/
C2	20241224	Cloudy	Moderate	Mid-Ebb	Middle	11	9:12	9.01	8.25	32.02	21.68	2.57	2.5	0.282	E	/
C2	20241224	Cloudy	Moderate	Mid-Ebb	Bottom	21	9:11	8.94	8.22	32.03	21.64	2.33	3	0.264	SE	/
C2	20241224	Cloudy	Moderate	Mid-Ebb	Bottom	21	9:11	9.14	8.24	31.98	21.66	2.67	2.5	0.284	E	/
M1	20241224	Cloudy	Moderate	Mid-Ebb	Surface	1	8:40	8.57	8.35	32.8	21.48	2.56	4	0.298	E	/
M1	20241224	Cloudy	Moderate	Mid-Fbb	Surface	1	8:40	8.37	8.32	33.03	21.48	2.58	2.5	0.270	SF	/
M1	20241224	Cloudy	Moderate	Mid-Ebb	Middle	2 /5	8.20	9 27	9 24	22.05	21.46	2.50	2.5	0.270	CE CE	/
1411	20241224	Cloudy	Moderate	ALL CLL	Middle	3.45	0.33	0.57	0.34	32.0	21.40	2.30	25	0.272	5L .	/
IVI1	20241224	Cloudy	Moderate	MID-EDD	Nildale	3.45	8:39	8.50	8.37	32.97	21.47	2.26	2.5	0.295	E.	/
M1	20241224	Cloudy	Moderate	MIG-EDD	Bottom	5.9	8:38	8.4	8.37	32.94	21.44	2.5	6	0.285	SE	/
M1	20241224	Cloudy	Moderate	Mid-Ebb	Bottom	5.9	8:38	8.35	8.36	33	21.51	2.46	4	0.279	SE	/
M2	20241224	Cloudy	Moderate	Mid-Ebb	Surface	1	8:26	8.25	8.34	32.05	21.89	2.3	4	0.275	SE	/
M2	20241224	Cloudy	Moderate	Mid-Ebb	Surface	1	8:26	8.35	8.32	32.09	21.94	2.2	6	0.290	SE	/
M2	20241224	Cloudy	Moderate	Mid-Ebb	Middle	6.3	8:25	8.39	8.31	31.85	21.9	2.6	4	0.268	E	/
M2	20241224	Cloudy	Moderate	Mid-Fbb	Middle	6.3	8:25	8.46	8.34	32.04	21.87	2.68	4	0.277	SF	/
M2	20241224	Cloudy	Moderate	Mid-Ebb	Rottom	11.6	8.24	9.4	9.2	21.90	21.02	2.42	6	0.278	c .	/
IVIZ	20241224	Cloudy	Moderate	NALL CEL	Dettern	11.0	0.24	0.4	0.3	31.05	21.95	2.43	0	0.278	C	/
IVI2	20241224	Cloudy	Moderate	MID-EDD	Bottom	11.6	8:24	8.38	8.33	32.01	21.85	2.24	3	0.287	SE .	/
M3	20241224	Cloudy	Moderate	Mid-Ebb	Surface	1	8:52	8.9	8.26	32.02	21.81	2.38	4	0.291	E	/
M3	20241224	Cloudy	Moderate	Mid-Ebb	Surface	1	8:52	8.77	8.29	32.15	21.83	2.52	2.5	0.267	SE	/
M3	20241224	Cloudy	Moderate	Mid-Ebb	Middle	3.8	8:51	8.97	8.27	32.19	21.82	2.4	6	0.290	SE	/
M3	20241224	Cloudy	Moderate	Mid-Ebb	Middle	3.8	8:51	8.83	8.24	32.12	21.75	2.41	6	0.265	SE	/
M3	20241224	Cloudy	Moderate	Mid-Ebh	Bottom	6.6	8:50	8.94	8.28	32.21	21.81	2.4	2.5	0.266	SE	/
M3	20241224	Cloudy	Moderate	Mid-Fhb	Bottom	0.0 A A	8.50	g 77	8.29	32 10	21 75	2.1	2.5	0.270	SF	/
M4	20241224	Cloudy	Moderate	Mid-Ebb	Surface	0.0	0.30	0.77	8 1F	22.19	21./3	2.20	2.3	0.272	SE	,
544	20241224	Cloudy	Mederate	MAL-L CT	Surface	1	9.40	0.52	0.15	32.25	21.99	2.58	2.5	0.272		/
1/14	20241224	cloudy	woderate	IVIIO-EDD	Sufface	1	9:40	8.54	8.18	32.28	21.99	2.3	5	0.263	-	/
1/14	20241224	cloudy	woderate	IVIIO-Ebb	BOTTOM	4.3	9:39	8.61	8.18	32.33	21.97	2.51	7	0.270	E	/
M4	20241224	Cloudy	Moderate	Mid-Ebb	Bottom	4.3	9:39	8.49	8.14	32.1	21.97	2.52	11	0.295	SE	/
C1	20241226	Cloudy	Moderate	Mid-Ebb	Surface	1	8:23	9.15	8.28	31.53	20.54	2.69	2.5	0.270	SE	/
C1	20241226	Cloudy	Moderate	Mid-Ebb	Surface	1	8:23	9.23	8.25	31.49	20.56	2.75	2.5	0.291	SE	/
C1	20241226	Cloudy	Moderate	Mid-Fhh	Middle	10.35	8:22	9.22	8.78	31.58	20.53	2 84	2.5	0 273	E	/
C1	20241226	Cloudy	Moderate	Mid-Fhb	Middle	10.35	8.22	Q 24	8 25	31.56	20.55	2.04	2.5	0.273	F	/
C1	20241226	Cloudy	Moderate	MidrEbb	Bottom	10.33	0.22	0.24	8 25	21 61	20.35	2.0	2.3	0.277	F	/
C1	20241220	cloudy	Noderate	NILL-EDD	Dettern	19.7	8:21	9.22	0.25	31.01	20.56	2.96	2.5	0.276	- cr	/
C1	20241226	Cloudy	Moderate	Mid-Ebb	Bottom	19.7	8:21	9.15	8.24	31.49	20.52	2.97	4	0.276	SE	/
C2	20241226	Cloudy	Moderate	Mid-Ebb	Surface	1	9:30	9.24	8.18	32.21	20.75	2.28	5	0.268	SE	/
C2	20241226	Cloudy	Moderate	Mid-Ebb	Surface	1	9:30	9.22	8.17	32.23	20.73	2.23	3	0.268	SE	/
C2	20241226	Cloudy	Moderate	Mid-Ebb	Middle	11.95	9:29	9.25	8.16	32.24	20.72	2.21	4	0.276	E	/
C2	20241226	Cloudy	Moderate	Mid-Fbb	Middle	11.95	9:29	9.25	8.16	32.24	20.7	2.24	4	0.284	SF	/
C2	20241226	Cloudy	Moderate	Mid-Ebb	Bottom	22.9	9.28	93	8 18	32.16	20.74	2.28	2.5	0.292	F	/
C2	20241226	Cloudy	Moderate	Mid-Ebb	Bottom	22.0	0.20	9.27	9 10	22.16	20.74	2.20	2.5	0.252	CE CE	/
C2	20241220	Cloudy	Moderate	ALL CLL	Curface	22.5	0.01	5.27	0.13	32.10	20.75	2.45	2.5	0.231	5L .	/
IVI1	20241226	Cloudy	Moderate	WIID-EDD	Surface	1	9:01	8.7	8.32	32.02	20.56	1.8	2.5	0.270	E	/
M1	20241226	Cloudy	Moderate	MIG-EDD	Surface	1	9:01	8.73	8.29	32.03	20.6	2.15	2.5	0.296	SE	/
M1	20241226	Cloudy	Moderate	Mid-Ebb	Middle	3.65	9:00	8.72	8.32	31.99	20.6	2.04	5	0.293	SE	/
M1	20241226	Cloudy	Moderate	Mid-Ebb	Middle	3.65	9:00	8.66	8.29	31.96	20.54	1.77	2.5	0.292	SE	/
M1	20241226	Cloudy	Moderate	Mid-Ebb	Bottom	6.3	8:59	8.68	8.31	32	20.6	2.15	3	0.275	SE	/
M1	20241226	Cloudy	Moderate	Mid-Ebb	Bottom	6.3	8:59	8.65	8.33	31.98	20.59	1.97	4	0.293	SE	/
M2	20241226	Cloudy	Moderate	Mid-Ebb	Surface	1	8:46	9.52	8.27	31.71	20.54	1.96	3	0.289	E	/
M2	20241226	Cloudy	Moderate	Mid-Ebb	Surface	1	8:46	9.5	8.28	31.82	20.56	1.67	2.5	0.289	SE	/
M2	20241226	Cloudy	Moderate	Mid-Fbb	Middle	6.7	8:45	9.43	8.27	31.76	20.62	1.66	3	0.300	F	/
M2	20241226	Cloudy	Moderate	Mid-Ebb	Middle	6.7	8.45	0.40	0.20	21.74	20.59	1 99	25	0.296	CE	/
142	20241220	Cloudy	Moderate	Mid Ebb	Rettom	13.4	0.45	0.43	0.20	21.74	20.55	1.00	2.5	0.250	r.	/
112	20241220	Cloudy	Moderate	NALL CEL	Dettern	12.4	0.44	5.45	0.23	31.77	20.30	1.90	5	0.297	C	/
IVI2	20241226	Cloudy	Moderate	MID-EDD	Bottom	12.4	8:44	9.49	8.27	31.//	20.59	1.95	5	0.290	SE	/
M3	20241226	Cloudy	Moderate	Mid-Ebb	Surface	1	9:13	9.4	8.17	32.22	20.73	2.18	5	0.297	SE	/
M3	20241226	Cloudy	Moderate	Mid-Ebb	Surface	1	9:13	9.4	8.19	32.25	20.76	2.17	4	0.290	SE	/
M3	20241226	Cloudy	Moderate	Mid-Ebb	Middle	3.45	9:12	9.33	8.16	32.28	20.71	2.14	2.5	0.266	SE	/
M3	20241226	Cloudy	Moderate	Mid-Ebb	Middle	3.45	9:12	9.36	8.15	32.31	20.73	2.22	2.5	0.276	SE	/
M3	20241226	Cloudy	Moderate	Mid-Ebh	Bottom	5.9	9:11	9,33	8.17	32.2	20.75	1.96	2.5	0.267	E	/
M3	20241226	Cloudy	Moderate	Mid-Fhb	Bottom	5.0	Q-11	9.27	8 1 9	32.2	20.76	2.00	2.0	0.207	SF	/
1413	20241220	Cloudy	Moderate	Mid Ebb	Surface	5.5	0.52	9.74	0.10	21.60	20.70	2.04	25	0.283	E .	/
N44	20241220	Cloudy	Mederate	AAL-L CT.	Surface	1	9.55	0.74	0.59	51.08	20.45	2.5	2.5	0.287	- CF	/
1/14	20241226	cioudy	woderate	IVIIO-EDD	Sufface	1	9:53	8.72	8.37	31.66	20.5	2.47	3	0.281	эс -	/
1/14	20241226	cloudy	woderate	IVIIO-Ebb	BOTTOM	3.8	9:52	8.73	8.37	31.62	20.49	2.72	2.5	0.277	۲.	/
M4	20241226	Cloudy	Moderate	Mid-Ebb	Bottom	3.8	9:52	8.81	8.36	31.61	20.53	2.69	2.5	0.301	SE	/
C1	20241228	Cloudy	Moderate	Mid-Ebb	Surface	1	9:35	8.54	8.25	32.15	20.84	3.03	2.5	0.298	SE	/
C1	20241228	Cloudy	Moderate	Mid-Ebb	Surface	1	9:35	8.57	8.22	32.23	20.88	3.37	2.5	0.283	SE	/
C1	20241228	Cloudy	Moderate	Mid-Ebb	Middle	10.75	9:34	8.54	8.25	32.24	20.89	3.4	3	0.275	E	/
C1	20241228	Cloudy	Moderate	Mid-Ebb	Middle	10.75	9:34	8.52	8.24	32.17	20.89	3.36	2	0.277	SE	/
C1	20241228	Cloudy	Moderate	Mid-Fhb	Bottom	20.5	0.33	g 57	8 22	32.22	20.97	2 //7	25	0 377	SF	/
C1	20241229	Cloudy	Moderate	MidrEbb	Bottom	20.5	0.33	0.37	8 22	22.23	20.87	3.47	2.3	0.277	F	,
C2	20241220	Cloudy	Moderate	Mid. Ekk	Surface	20.5	3.55	0.50	0.22	32.10	20.69	5.08	- 4	0.277	-	/
C2	20241228	Cloud	wouerate	WIIU-EDD	Surface	1	10:51	9.02	8.3	31./1	20.77	2.59	2.5	U.276	-	, ,
L2	20241228	cloudy	ivioderate	IVIIO-Ebb	surface	1	10:51	9.03	8.31	31.73	20.82	2.52	2.5	0.299	E ar	/
C2	20241228	Cloudy	Moderate	Mid-Ebb	Middle	11.9	10:50	8.98	8.33	31.66	20.82	2.62	2.5	0.265	SE	/
C2	20241228	Cloudy	Moderate	Mid-Ebb	Middle	11.9	10:50	9.01	8.3	31.73	20.83	2.38	5	0.293	SE	/
C2	20241228	Cloudy	Moderate	Mid-Ebb	Bottom	22.8	10:49	9	8.33	31.63	20.81	2.57	2.5	0.292	SE	/
C2	20241228	Cloudy	Moderate	Mid-Ebh	Bottom	22.8	10:49	9,04	8.37	31.75	20.78	2.43	2.5	0.282	SE	/
M1	20241228	Cloudy	Moderate	Mid-Fhh	Surface	1	10:12	8.78	8.17	32.49	20.89	2 28	2.5	0.280	E	/
M1	20241228	Cloudy	Moderate	Mid-Fhb	Surface	1	10.12	g 74	8 1 9	32.49	20.05	2.30	2.5	0.200	F	/
M1	20241229	Cloudy	Moderate	MidrEbb	Middle	2 2 2	10.11	0.74	8 10	32.45	20.00	2.77	25	0.205	SE	
N41	20241228	Cloud	Mederat	Mid Chi	Middle	3.2	10:11	8./2	0.19	32.44	20.92	2.3/	2.5	0.266	5L CE	/
M1	20241228	cloudy	ivioderate	IVIIO-Ebb	IVIIDDIE	3.2	10:11	8.81	8.18	32.46	20.95	2.33	2.5	0.281	DE .	/
M1	20241228	Cloudy	Moderate	Mid-Ebb	Bottom	5.4	10:10	8.81	8.18	32.51	20.92	2.67	2.5	0.267	SE	/
M1	20241228	Cloudy	Moderate	Mid-Ebb	Bottom	5.4	10:10	8.76	8.2	32.42	20.9	2.51	3	0.299	SE	/
M2	20241228	Cloudy	Moderate	Mid-Ebb	Surface	1	9:56	9.16	8.12	31.49	20.76	2.45	2.5	0.287	E	/
M2	20241228	Cloudy	Moderate	Mid-Ebb	Surface	1	9:56	9.19	8.11	31.51	20.81	2.59	2.5	0.271	SE	/
M2	20241228	Cloudy	Moderate	Mid-Ebb	Middle	6.85	9:55	9.15	8.1	31.44	20.74	2.56	2.5	0.273	E	/
M2	20241228	Cloudy	Moderate	Mid-Fhb	Middle	6.95	0.55	Q 19	8 1 4	21 5	20.91	2.50	2.5	0.260	SF	/
M2	20241229	Cloudy	Moderate	MidrEbb	Bottom	13 7	0.54	0.10	8 14	21 5	20.01	2.03	2.3	0.209	SE	,
M2	20241220	Cloud	Mederate	Mid Chi	Bottom	12.7	9.54	5.11	0.14	31.5	20.75	2.45	4	0.275		/
IVI2	20241228	cloudy	ivioderate	IVIIO-Ebb	BOTTOM	12.7	9:54	9.19	8.11	31.47	20.74	2.69	3	0.266	E	/
M3	20241228	cloudy	ivioderate	IVIIO-Ebb	surface	1	10:24	9.39	8.33	32.28	20.63	2.74	2.5	0.295	E ar	/
M3	20241228	Cloudy	Moderate	Mid-Ebb	Surface	1	10:24	9.34	8.35	32.34	20.64	2.72	2.5	0.272	SE	/
M3	20241228	Cloudy	Moderate	Mid-Ebb	Middle	4	10:23	9.39	8.34	32.33	20.62	2.59	3	0.277	SE	/
M3	20241228	Cloudy	Moderate	Mid-Ebb	Middle	4	10:23	9.34	8.32	32.33	20.6	2.38	2.5	0.297	SE	/
M3	20241228	Cloudy	Moderate	Mid-Ebb	Bottom	7	10:22	9.36	8.36	32.29	20.6	2.58	3	0.301	SE	/
M3	20241228	Cloudy	Moderate	Mid-Ebh	Bottom	7	10:22	9,29	8.35	32.35	20.6	2.38	4	0.295	SE	/
M4	20241228	Cloudy	Moderate	Mid-Fhh	Surface	1	11:20	8,85	8.26	32.12	20.78	2 74	25	0.278	E	/
M4	20241229	Cloudy	Moderate	MidrEbb	Surface	1	11.20	9 75	8 22	22.12	20.70	2./4	2.3	0.270	F	
N14	20241228	Cloud	Mederat	Mid Chi	Dottom	1	11:20	8./5	0.25	32.13	20.79	2.43	2.5	0.293	L	/
1/14	20241228	ciouay	woderate	IVIIO-EDD	BULLOM	4.6	11:19	8.73	8.27	32.23	20.83	2.59	2.5	0.281	эс 65	/
1	20241228	LIOUDY	woderate	IVIId-Ebb	BOTTOM	4.6	11:19	8.82	8.25	32.21	20.84	2.38	1 3	0.270	DE	/



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C1	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	11:22	8.58	8.27	31.53	21.10	4.07	3	0.295	SE	/
C1	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	11:22	8.68	8.25	31.59	21.06	3.99	4	0.283	E	/
C1	20241231	Cloudy	Moderate	Mid-Ebb	Middle	10	11:21	8.62	8.28	31.59	21.09	4.12	5	0.271	SE	/
C1	20241231	Cloudy	Moderate	Mid-Ebb	Middle	10	11:21	8.66	8.24	31.67	21.10	4.06	5	0.267	SE	/
C1	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	19	11:20	8.57	8.25	31.59	21.00	4.25	2.5	0.272	E	/
C1	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	19	11:20	8.66	8.26	31.58	20.95	4.19	3	0.287	SE	/
C2	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	12:40	8.97	8.26	31.85	21.13	2.86	2.5	0.265	E	/
C2	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	12:40	9.05	8.26	31.94	21.16	3.04	5	0.280	E	/
C2	20241231	Cloudy	Moderate	Mid-Ebb	Middle	12.5	12:39	9.02	8.25	31.88	21.25	2.74	2.5	0.292	SE	/
C2	20241231	Cloudy	Moderate	Mid-Ebb	Middle	12.5	12:39	9.02	8.25	31.95	21.10	2.71	2.5	0.279	SE	/
C2	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	24	12:38	9.03	8.24	31.95	21.23	2.76	4	0.292	SE	/
C2	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	24	12:38	8.98	8.27	31.89	21.22	3.15	3	0.279	E	/
M1	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	11:59	8.51	8.21	31.82	21.19	3.65	3	0.292	E	/
M1	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	11:59	8.49	8.23	31.90	21.32	3.77	2.5	0.271	SE	/
M1	20241231	Cloudy	Moderate	Mid-Ebb	Middle	3.65	11:58	8.44	8.20	31.88	21.27	3.43	2.5	0.288	E	/
M1	20241231	Cloudy	Moderate	Mid-Ebb	Middle	3.65	11:58	8.50	8.18	31.79	21.31	3.60	4	0.300	E	/
M1	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	6.3	11:57	8.43	8.23	31.77	21.33	3.72	2.5	0.264	SE	/
M1	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	6.3	11:57	8.41	8.18	31.78	21.29	3.68	2.5	0.265	E	/
M2	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	11:44	9.18	8.13	31.85	21.05	3.56	3	0.282	E	/
M2	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	11:44	9.25	8.11	31.81	21.08	3.57	2.5	0.263	E	/
M2	20241231	Cloudy	Moderate	Mid-Ebb	Middle	7	11:43	9.21	8.08	31.72	21.07	3.60	2.5	0.272	SE	/
M2	20241231	Cloudy	Moderate	Mid-Ebb	Middle	7	11:43	9.19	8.08	31.78	20.98	3.63	2.5	0.291	SE	/
M2	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	13	11:42	9.25	8.09	31.76	21.13	3.86	2.5	0.296	SE	/
M2	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	13	11:42	9.27	8.08	31.87	21.07	3.55	5	0.281	SE	/
M3	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	12:12	8.67	8.11	31.78	21.09	2.47	4	0.263	SE	/
M3	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	12:12	8.75	8.12	31.76	21.05	2.41	2.5	0.263	SE	/
M3	20241231	Cloudy	Moderate	Mid-Ebb	Middle	3.7	12:11	8.68	8.12	31.75	21.06	2.36	2.5	0.274	E	/
M3	20241231	Cloudy	Moderate	Mid-Ebb	Middle	3.7	12:11	8.70	8.11	31.75	21.09	2.46	2.5	0.270	E	/
M3	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	6.4	12:10	8.75	8.12	31.76	21.12	2.58	3	0.282	E	/
M3	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	6.4	12:10	8.71	8.11	31.76	20.95	2.63	2.5	0.295	E	/
M4	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	13:08	9.37	8.22	32.28	21.10	3.51	2.5	0.295	SE	/
M4	20241231	Cloudy	Moderate	Mid-Ebb	Surface	1	13:08	9.30	8.20	32.36	21.03	3.55	2.5	0.280	E	/
M4	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	4.4	13:07	9.36	8.19	32.32	21.10	3.41	8	0.297	E	/
M4	20241231	Cloudy	Moderate	Mid-Ebb	Bottom	4.4	13:07	9.28	8.19	32.22	21.03	3.48	5	0.298	SE	/



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C1	20241203	Sunny	Moderate	Mid-Flood	Surface	1	9:13	9.03	8.28	31.77	20.93	2.75	5	0.205	NW	/
C1	20241203	Sunny	Moderate	Mid-Flood	Surface	1	9:13	9.00	8.26	31.74	20.86	2.75	4	0.162	NW	/
C1	20241203	Sunny	Moderate	Mid-Flood	Middle	11.75	9:12	9.02	8.24	31.74	20.87	2.71	6	0.173	NW	/
C1	20241203	Sunny	Moderate	Mid-Flood	Middle	11.75	9:12	9.02	8.27	31.75	20.88	3.23	5	0.169	NW	/
C1	20241203	Sunny	Moderate	Mid-Flood	Bottom	22.5	9:11	9.07	8.28	31.73	20.85	2.73	3	0.214	NW	/
C1	20241203	Sunny	Moderate	Mid-Flood	Bottom	22.5	9:11	9.04	8.24	31.70	20.85	3.07	5	0.224	NW	/
C2	20241203	Sunny	Moderate	Mid-Flood	Surface	1	8:07	9.31	8.25	31.49	20.60	3.55	6	0.212	NW	/
C2	20241203	Sunny	Moderate	Mid-Flood	Surface	1	8:07	9.32	8.27	31.52	20.67	3.41	8	0.187	NW	/
C2	20241203	Sunny	Moderate	Mid-Flood	Middle	10.6	8:06	9.36	8.27	31.46	20.62	3.52	4	0.207	NW	/
C2	20241203	Sunny	Moderate	Mid-Flood	Middle	10.6	8:06	9.27	8.29	31.43	20.65	3.65	4	0.203	N	/
C2	20241203	Sunny	Moderate	Mid-Flood	Bottom	20.2	8:05	9.36	8.25	31.50	20.59	3.68	8	0.223	NW	/
C2	20241203	Sunny	Moderate	Mid-Flood	Bottom	20.2	8:05	9.25	8.25	31.53	20.59	3.69	5	0.200	NW	/
M1	20241203	Sunny	Moderate	Mid-Flood	Surface	1	8:37	8.94	8.31	32.49	20.74	1.98	5	0.208	NW	/
M1	20241203	Sunny	Moderate	Mid-Flood	Surface	1	8:37	8.86	8.31	32.49	20.75	2.37	4	0.206	NW	/
M1	20241203	Sunny	Moderate	Mid-Flood	Middle	3.25	8:36	8.90	8.32	32.51	20.68	1.93	4	0.207	NW	/
M1	20241203	Sunny	Moderate	Mid-Flood	Middle	3.25	8:36	8.84	8.35	32.45	20.68	2.12	7	0.208	NW	/
M1	20241203	Sunny	Moderate	Mid-Flood	Bottom	5.5	8:35	8.89	8.34	32.53	20.74	2.29	3	0.204	N	/
M1	20241203	Sunny	Moderate	Mid-Flood	Bottom	5.5	8:35	8.90	8.31	32.47	20.67	1.99	3	0.160	NW	/
M2	20241203	Sunny	Moderate	Mid-Flood	Surface	1	8:53	9.12	8.24	31.32	20.63	2.62	2.5	0.194	NW	/
M2	20241203	Sunny	Moderate	Mid-Flood	Surface	1	8:53	9.11	8.27	31.36	20.62	2.85	4	0.222	NW	/
M2	20241203	Sunny	Moderate	Mid-Flood	Middle	6.65	8:52	9.17	8.23	31.34	20.63	2.79	7	0.220	NW	/
M2	20241203	Sunny	Moderate	Mid-Flood	Middle	6.65	8:52	9.10	8.23	31.38	20.57	3.12	6	0.207	NW	/
M2	20241203	Sunny	Moderate	Mid-Flood	Bottom	12.3	8:51	9.21	8.27	31.39	20.57	2.74	3	0.174	NW	/
M2	20241203	Sunny	Moderate	Mid-Flood	Bottom	12.3	8:51	9.17	8.23	31.40	20.60	2.78	3	0.195	NW	/
M3	20241203	Sunny	Moderate	Mid-Flood	Surface	1	8:23	9.03	8.21	32.44	20.71	2.24	3	0.191	NW	/
M3	20241203	Sunny	Moderate	Mid-Flood	Surface	1	8:23	9.12	8.24	32.44	20.68	2.26	3	0.202	NW	/
M3	20241203	Sunny	Moderate	Mid-Flood	Middle	3.5	8:22	9.09	8.23	32.44	20.68	2.26	2.5	0.207	NW	/
M3	20241203	Sunny	Moderate	Mid-Flood	Middle	3.5	8:22	9.02	8.20	32.45	20.70	2.28	4	0.173	NW	/
M3	20241203	Sunny	Moderate	Mid-Flood	Bottom	6	8:21	9.13	8.24	32.37	20.75	1.83	3	0.220	N	/
M3	20241203	Sunny	Moderate	Mid-Flood	Bottom	6	8:21	9.13	8.21	32.46	20.68	1.85	2.5	0.203	NW	/
M4	20241203	Sunny	Moderate	Mid-Flood	Surface	1	9:38	8.54	8.10	31.39	20.68	1.69	6	0.224	NW	/
M4	20241203	Sunny	Moderate	Mid-Flood	Surface	1	9:38	8.57	8.14	31.30	20.76	2.02	6	0.177	NW	/
M4	20241203	Sunny	Moderate	Mid-Flood	Bottom	3.9	9:37	8,62	8.11	31.36	20.69	2.04	2.5	0.200	NW	/
M4	20241203	Sunny	Moderate	Mid-Flood	Bottom	3.9	9:37	8.61	8.10	31.32	20.74	1.99	2.5	0 213	NW	/
C1	20241205	Sunny	Moderate	Mid-Flood	Surface	3.5	12:51	8.22	8.15	32.70	21.65	2.55	3	0.167	N	/
C1	20241205	Sunny	Moderate	Mid-Flood	Surface	1	12:51	8.34	8.15	32.58	21.68	2.93	6	0.193	NW	/
C1	20241205	Sunny	Moderate	Mid-Flood	Middle	11.05	12:50	8.76	8.15	32.50	21.69	2.23	4	0 194	NW	/
C1	20241205	Sunny	Moderate	Mid-Flood	Middle	11.05	12:50	Q 10	8 15	32.55	21.67	2.21	4	0.154	NW	/
C1	20241205	Suppy	Moderate	Mid-Flood	Rottom	21.05	12:30	9.27	9 1 2	22.01	21.67	2.57	6	0.203	NIM/	/
C1	20241205	Sunny	Moderate	Mid-Flood	Bottom	21.1	12:45	9.27	9.13	22.72	21.07	2.04	2	0.205	NIM/	/
C1	20241203	Sunny	Mederate	Mid-Flood	Surface	21.1	12.49	0.27	0.15	32.72	21.00	2.02	2	0.203	NVV	/
C2	20241203	Sunny	Mederate	Mid-Flood	Surface	1	11.51	0.01	8.09	31.90	21.77	2.94	د م	0.179	IN NDA/	/
C2	20241203	Sunny	Noderate	Nid-Flood	Suildue	1 42 75	11.51	0.04	0.09	32.14	21.75	3.03	4	0.219	NW	/
C2	20241205	Sunny	Woderate	Mid-Flood	Middle	12.75	11:50	8.80	8.09	32.02	21.74	3.09	3	0.166	N	/
C2	20241205	Sunny	Moderate	Mid-Flood	Middle	12.75	11:50	8.85	8.10	31.88	21./1	3.01	6	0.195	NW	/
C2	20241205	Sunny	Moderate	Mid-Flood	Bottom	24.5	11:49	8.85	8.12	31.98	21.69	2.96	6	0.193	NW	/
C2	20241205	Sunny	Moderate	Mid-Flood	Bottom	24.5	11:49	8.78	8.12	31.90	21.76	2.93	5	0.218	NW	/
M1	20241205	Sunny	Moderate	Mid-Flood	Surface	1	12:15	8.18	8.31	32.45	21.85	2.25	3	0.187	NW	/
M1	20241205	Sunny	Moderate	Mid-Flood	Surface	1	12:15	8.20	8.29	32.60	21.92	2.47	6	0.194	NW	/
M1	20241205	Sunny	Moderate	Mid-Flood	Middle	3.5	12:14	8.17	8.29	32.51	21.93	2.15	6	0.225	NW	/
M1	20241205	Sunny	Moderate	Mid-Flood	Middle	3.5	12:14	8.30	8.33	32.43	21.85	2.57	3	0.175	NW	/
M1	20241205	Sunny	Moderate	Mid-Flood	Bottom	6	12:13	8.27	8.29	32.51	21.94	2.49	3	0.181	NW	/
M1	20241205	Sunny	Moderate	Mid-Flood	Bottom	6	12:13	8.19	8.31	32.59	21.86	2.34	4	0.216	NW	/
M2	20241205	Sunny	Moderate	Mid-Flood	Surface	1	12:31	9.09	8.19	33.06	21.93	2.43	3	0.209	NW	/
M2	20241205	Sunny	Moderate	Mid-Flood	Surface	1	12:31	9.11	8.16	32.92	21.92	2.59	2.5	0.193	N	/
M2	20241205	Sunny	Moderate	Mid-Flood	Middle	5.95	12:30	9.07	8.19	33.05	21.91	2.23	3	0.219	NW	/
M2	20241205	Sunny	Moderate	Mid-Flood	Middle	5.95	12:30	9.13	8.19	32.93	21.89	2.32	5	0.195	NW	/
M2	20241205	Sunny	Moderate	Mid-Flood	Bottom	10.9	12:29	9.04	8.19	32.95	21.89	2.55	4	0.196	N	/
M2	20241205	Sunny	Moderate	Mid-Flood	Bottom	10.9	12:29	9.07	8.14	33.09	21.92	2.63	5	0.191	NW	/
M3	20241205	Sunny	Moderate	Mid-Flood	Surface	1	12:02	8.90	8.22	33.00	21.82	2.62	3	0.179	NW	/
M3	20241205	Sunny	Moderate	Mid-Flood	Surface	1	12:02	8.93	8.21	32.96	21.79	2.56	2.5	0.166	NW	/
M3	20241205	Sunny	Moderate	Mid-Flood	Middle	3.3	12:01	8.94	8.21	32.97	21.80	2.44	4	0.208	NW	/
M3	20241205	Sunny	Moderate	Mid-Flood	Middle	3.3	12:01	8.80	8.21	32.89	21.73	2.14	2.5	0.219	N	/
M3	20241205	Sunny	Moderate	Mid-Flood	Bottom	5.6	12:00	8.79	8.20	32.96	21.77	2.12	3	0.205	NW	/
M3	20241205	Sunny	Moderate	Mid-Flood	Bottom	5.6	12:00	8.77	8.24	32.84	21.74	2.41	3	0.165	NW	/
M4	20241205	Sunny	Moderate	Mid-Flood	Surface	1	13:18	8.57	8.27	32.95	21.78	2.48	6	0.178	N	/
M4	20241205	Sunny	Moderate	Mid-Flood	Surface	1	13:18	8.55	8.28	32.78	21.81	2.65	4	0.213	NW	/
M4	20241205	Sunny	Moderate	Mid-Flood	Bottom	3.8	13:17	8.71	8.29	32.84	21.83	2.53	4	0.221	NW	/
M4	20241205	Sunny	Moderate	Mid-Flood	Bottom	3.8	13:17	8.49	8.27	32.88	21.81	2.51	3	0.161	NW	/
C1	20241207	Sunny	Moderate	Mid-Flood	Surface	1	11:42	8.73	8.19	33.00	22.13	3.19	4	0.162	NW	/
C1	20241207	Sunny	Moderate	Mid-Flood	Surface	1	11:42	8.48	8.14	33.16	22.08	3.02	2.5	0.178	N	/
C1	20241207	Sunny	Moderate	Mid-Flood	Middle	10.05	11:41	8.48	8.19	33.11	22.13	2.99	3	0.223	NW	/
C1	20241207	Sunny	Moderate	Mid-Flood	Middle	10.05	11:41	8.71	8.16	33.16	22.06	2.90	3	0.184	N	/
C1	20241207	Sunny	Moderate	Mid-Flood	Bottom	19.1	11:40	8,71	8.18	33.10	22.07	3.24	2.5	0.216	NW	/
C1	20241207	Sunny	Moderate	Mid-Flood	Bottom	19.1	11:40	8.61	8.17	32.93	22.14	3.03	2.5	0.189	NW	/
C2	20241207	Sunny	Moderate	Mid-Flood	Surface	1	10:18	8.37	8.18	32.18	22.24	3.71	2.5	0.189	NW	/
C2	20241207	Sunny	Moderate	Mid-Flood	Surface	1	10:18	8.46	8.18	32.25	22.23	3.86	2.5	0.209	NW	/
C2	20241207	Sunny	Moderate	Mid-Flood	Middle	12.15	10:17	8.45	8.15	32.02	22.29	3.83	2.5	0.169	N	/
C2	20241207	Sunny	Moderate	Mid-Flood	Middle	12.15	10:17	8.45	8.13	32.01	22.23	3.76	2.5	0.173	NW	/
C2	20241207	Sunny	Moderate	Mid-Flood	Bottom	23.3	10:16	8.44	8.15	32.15	22.28	3.79	3	0.189	NW	/
C2	-	Suppy	· · · · · · · · · · · · · · · · · · ·				10.16	9.20	0 1 0					0.202	NDA/	1
M1	20241207	Summy	Moderate	Mid-Flood	Bottom	23.3	10.10	0.53	0.10	32.24	22.31	3.87	4	0.203	INVV	/
	20241207 20241207	Sunny	Moderate Moderate	Mid-Flood Mid-Flood	Bottom Surface	23.3	10:52	8.21	8.28	32.24 32.74	22.31 21.97	3.87 3.17	4	0.223	NW	/
M1	20241207 20241207 20241207	Sunny Sunny	Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface	23.3	10:52	8.21	8.28	32.24 32.74 32.79	22.31 21.97 21.90	3.87 3.17 3.29	4 5 2.5	0.222	NW	/ /
M1 M1	20241207 20241207 20241207 20241207	Sunny Sunny Sunny Sunny	Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface Middle	23.3 1 1 3.6	10:10 10:52 10:52 10:51	8.21 8.22 7.99	8.28 8.25 8.26	32.24 32.74 32.79 32.87	22.31 21.97 21.90 21.97	3.87 3.17 3.29 3.40	4 5 2.5 2.5	0.222 0.194 0.165	NW NW NW	/ / /
M1 M1 M1	20241207 20241207 20241207 20241207 20241207 20241207	Sunny Sunny Sunny Sunny Sunny	Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface Middle Middle	23.3 1 1 3.6 3.6	10:52 10:52 10:51	8.21 8.22 7.99 8.00	8.28 8.25 8.26 8.24	32.24 32.74 32.79 32.87 32.87	22.31 21.97 21.90 21.97 21.93	3.87 3.17 3.29 3.40 3.27	4 5 2.5 2.5 3	0.222 0.194 0.165 0.173	NW NW NW NW	/ / / / / / / / / / / / / / / / / / / /
M1 M1 M1 M1 M1	20241207 20241207 20241207 20241207 20241207 20241207 20241207	Sunny Sunny Sunny Sunny Sunny	Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface Middle Middle Bottom	23.3 1 1 3.6 3.6 6 2	10:52 10:52 10:51 10:51 10:51	8.39 8.21 8.22 7.99 8.00 8.07	8.28 8.25 8.26 8.24 8.29	32.24 32.74 32.79 32.87 32.88 32.88	22.31 21.97 21.90 21.97 21.93 21.93	3.87 3.17 3.29 3.40 3.27 2.94	4 5 2.5 2.5 3	0.222 0.194 0.165 0.173 0.202	NW NW NW NW	/ / / /
M1 M1 M1 M1 M1 M1	20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207	Sunny Sunny Sunny Sunny Sunny Sunny	Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface Middle Bottom Bottom	23.3 1 1 3.6 3.6 6.2 6.2	10:52 10:52 10:51 10:51 10:50 10:50	8.33 8.21 8.22 7.99 8.00 8.07 7.98	8.18 8.28 8.25 8.26 8.24 8.29 8.29 8.28	32.24 32.74 32.79 32.87 32.88 32.81 32.79	22.31 21.97 21.90 21.97 21.93 21.93 21.91 21.96	3.87 3.17 3.29 3.40 3.27 2.94 3.29	4 2.5 2.5 3 3	0.222 0.194 0.165 0.173 0.209 0.182	NW NW NW NW NW	/ / / / /
M1 M1 M1 M1 M1 M1 M2	20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207	Sunny Sunny Sunny Sunny Sunny Sunny Sunny	Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface Middle Bottom Bottom Surface	23.3 1 1 3.6 3.6 6.2 6.2 1	10:52 10:52 10:51 10:51 10:50 10:50 11:18	8.21 8.22 7.99 8.00 8.07 7.98 8.80	8.18 8.28 8.25 8.26 8.24 8.29 8.29 8.28 8.28 8.18	32.24 32.74 32.79 32.87 32.88 32.81 32.79 32.79 33.00	22.31 21.97 21.90 21.97 21.93 21.91 21.96 22.13	3.87 3.17 3.29 3.40 3.27 2.94 3.29 2.67	4 2.5 2.5 3 3 6 5	0.222 0.194 0.165 0.173 0.209 0.182 0.209 0.182	NW NW NW NW NW NW NW NW NW	/ / / / / / /
M1 M1 M1 M1 M1 M1 M2 M2	20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207	Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny	Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface Middle Bottom Bottom Surface Surface	23.3 1 1 3.6 3.6 6.2 6.2 6.2	10:52 10:52 10:51 10:51 10:50 10:50 11:18 11:19	8.23 8.21 7.99 8.00 8.07 7.98 8.80 8.80 8.80	8.18 8.28 8.25 8.26 8.24 8.29 8.28 8.28 8.18 8.18	32.24 32.74 32.79 32.87 32.88 32.81 32.79 33.00 32.81	22.31 21.97 21.90 21.97 21.93 21.91 21.96 22.13 22.14	3.87 3.17 3.29 3.40 3.27 2.94 3.29 2.67 2.67	4 5 2.5 3 3 6 5	0.222 0.194 0.165 0.173 0.209 0.182 0.209	NW NW NW NW NW NW NW	/ / / / / / / /
M1 M1 M1 M1 M1 M2 M2 M2 M2	20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207	Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny	Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface Middle Bottom Bottom Surface Surface Middle	23.3 1 1 3.6 3.6 6.2 6.2 1 1 6.6	10:52 10:52 10:52 10:51 10:51 10:50 10:50 11:18 11:18 11:18	8.31 8.21 7.99 8.00 8.07 7.98 8.80 8.80 8.80 8.82 8.62	8.18 8.28 8.25 8.26 8.24 8.29 8.28 8.18 8.19 8.29	32.24 32.74 32.79 32.87 32.88 32.81 32.79 33.00 32.81 32.81 32.81	22.31 21.97 21.90 21.97 21.93 21.91 21.96 22.13 22.14 27.12	3.87 3.17 3.29 3.40 3.27 2.94 3.29 2.67 2.83 2.62	4 5 2.5 3 3 6 5 4 2.5	0.123 0.222 0.194 0.165 0.173 0.209 0.182 0.222 0.163	NW NW NW NW NW NW NW NW NW	/ / / / / / / /
M1 M1 M1 M1 M1 M2 M2 M2 M2 M2 M2 M2	20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207	Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny	Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface Middle Bottom Bottom Surface Surface Middle Middle	23.3 1 1 3.6 6.2 6.2 6.2 1 1 6.6 6.6 6.6 6.6 6.6 6.6 6.	10:52 10:52 10:51 10:51 10:50 10:50 11:18 11:18 11:17 11:17	8.23 8.21 7.99 8.00 8.07 7.98 8.80 8.62 8.62 8.68	8.16 8.28 8.25 8.26 8.24 8.29 8.28 8.18 8.19 8.22 8.22 8.10	32.24 32.74 32.79 32.87 32.88 32.81 32.79 33.00 32.81 32.97 33.00	22.31 21.97 21.90 21.97 21.93 21.91 21.96 22.13 22.14 22.14 22.12 22.09	3.87 3.17 3.29 3.40 3.27 2.94 3.29 2.67 2.83 2.56 2.83	4 5 2.5 3 3 6 5 4 2.5 2.5	0.223 0.194 0.165 0.173 0.209 0.182 0.222 0.163 0.222 0.163	NW	/ / / / / / / / / / /
M1 M1 M1 M1 M1 M2 M2 M2 M2 M2 M2 M2 M2 M2	20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207	Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny	Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface Middle Bottom Bottom Surface Surface Middle Middle Bottom	23.3 1 1 3.6 6.2 6.2 1 1 1 6.6 6.6 1 2 2 3.3 1 1 1 1 1 1 1 1 1 1 1 1 1	10:52 10:52 10:51 10:51 10:50 10:50 11:18 11:18 11:17 11:17	8.33 8.21 8.22 7.99 8.00 8.07 7.98 8.80 8.62 8.62 8.68 8.82 8.62	8.16 8.28 8.25 8.26 8.24 8.29 8.28 8.18 8.19 8.22 8.18	32.24 32.74 32.79 32.87 32.88 32.81 32.79 33.00 32.81 32.97 32.76 32.97	22.31 21.97 21.90 21.97 21.93 21.91 21.96 22.13 22.14 22.12 22.09 23.05	3.87 3.17 3.29 3.40 3.27 2.94 3.29 2.67 2.83 2.56 2.96 2.96	4 5 2.5 2.5 3 3 6 5 4 2.5 2.5 2.5	0.123 0.222 0.194 0.165 0.173 0.209 0.182 0.222 0.163 0.183 0.224	NW N	/ / / / / / / / / / / /
M1 M1 M1 M1 M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207 20241207	Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny Sunny	Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Bottom Surface Surface Middle Bottom Bottom Surface Surface Middle Middle Bottom Bottom	23.3 1 1 1 3.6 3.6 6.2 1 1 1 6.6 6.6 6.6 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2 12.2	10:52 10:52 10:51 10:51 10:50 10:50 10:50 11:18 11:18 11:17 11:17 11:17	8.33 8.21 8.22 7.99 8.00 8.07 7.98 8.80 8.80 8.80 8.62 8.68 8.82 8.84 8.82	8.16 8.28 8.25 8.26 8.24 8.29 8.28 8.18 8.19 8.22 8.18 8.18 8.18	32.24 32.74 32.79 32.87 32.88 32.81 32.79 33.00 32.81 32.97 32.76 32.98 32.97 32.76	22.31 21.97 21.90 21.97 21.93 21.91 21.96 22.13 22.14 22.14 22.09 22.05 22.05	3.87 3.17 3.29 3.40 3.27 2.94 3.29 2.67 2.83 2.56 2.96 2.96 2.93	4 5 2.5 2.5 3 3 6 5 4 2.5 2.5 2.5 3	0.223 0.124 0.165 0.173 0.209 0.182 0.222 0.163 0.282 0.183 0.224 0.185 0.224	NW N	/ / / / / / / / / / / / / /
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C1	20241210	Cloudy	Moderate	Mid-Flood	Surface	1	13:30	8.03	8.20	32.54	21.62	2.55	4	0.198	NW	/
C1	20241210	Cloudy	Moderate	Mid-Flood	Surface	1	13:30	8.01	8.18	32.55	21.62	2.45	2.5	0.179	NW	/
C1	20241210	Cloudy	Moderate	Mid-Flood	Middle	11.55	13:29	8.01	8.18	32.55	21.63	2.39	2.5	0.219	N	/
C1	20241210	Cloudy	Moderate	Mid-Flood	Middle	11.55	13:29	7.93	8.21	32.56	21.64	2.40	3	0.202	NW	/
C1	20241210	Cloudy	Moderate	Mid-Flood	Bottom	22.1	13:28	8.04	8.18	32.55	21.61	2.34	6	0.173	N	/
C1	20241210	Cloudy	Moderate	Mid-Flood	Bottom	22.1	13:28	8.05	8.22	32.55	21.62	2.41	4	0.206	N	/
C2	20241210	Cloudy	Moderate	Mid-Flood	Surface	1	12:22	9.10	8.12	32.21	21.60	2.82	5	0.202	NW	/
C2	20241210	Cloudy	Moderate	Mid-Flood	Surface	1	12:22	9.21	8.13	32.23	21.61	2.84	7	0.209	NW	/
C2	20241210	Cloudy	Moderate	Mid-Flood	Middle	12.6	12:21	9.25	8.13	32.22	21.62	2.84	4	0.210	NW	/
C2	20241210	Cloudy	Moderate	Mid-Flood	Middle	12.6	12:21	9.23	8.13	32.24	21.61	2.99	3	0.178	N	/
C2	20241210	Cloudy	Moderate	Mid-Flood	Bottom	24.2	12:20	9.13	8.09	32.22	21.64	2.91	2.5	0.199	NW	/
C2	20241210	Cloudy	Moderate	Mid-Flood	Bottom	24.2	12:20	9.24	8.10	32.23	21.64	2.85	2.5	0.164	NW	/
M1	20241210	Cloudy	Moderate	Mid-Flood	Surface	1	12:50	8.24	8.12	31.79	21.59	2.13	2.5	0.186	NW	/
M1	20241210	Cloudy	Moderate	Mid-Flood	Surface	1	12:50	8.25	8.11	31.81	21.57	2.37	2.5	0.210	NW	/
M1	20241210	Cloudy	Moderate	Mid-Flood	Middle	3.3	12:49	8.35	8.15	31.80	21.59	2.23	3	0.161	N	/
M1	20241210	Cloudy	Moderate	Mid-Flood	Middle	3.3	12:49	8.31	8.11	31.84	21.56	1.99	5	0.203	N	/
M1	20241210	Cloudy	Moderate	Mid-Flood	Bottom	5.6	12:48	8.31	8.14	31.80	21.56	2.22	3	0.212	NW	/
M1	20241210	Cloudy	Moderate	Mid-Flood	Bottom	5.6	12:48	8.32	8.14	31.81	21.59	2.13	6	0.201	NW	/
M2	20241210	Cloudy	Moderate	Mid-Flood	Surface	1	13:10	8.79	8.13	31.44	21.65	2.05	2.5	0.214	N	/
M2	20241210	Cloudy	Moderate	Mid-Flood	Surface	1	13:10	8.73	8.15	31.46	21.62	1.99	3	0.1/5	NW	/
M2	20241210	Cloudy	Moderate	Mid-Flood	Middle	6.05	13:09	8.80	8.15	31.46	21.63	2.21	4	0.220	NW	/
M2	20241210	Cloudy	Moderate	Mid-Flood	Middle	6.05	13:09	8.70	8.13	31.47	21.61	2.14	3	0.211	NW	/
11/2	20241210	Cloudy	Mederate	Mid-Flood	Bottom	11.1	12.00	0.73	0.10	31.42	21.04	2.13	2.5	0.164	IN VV	/
IVI2	20241210	Cloudy	Mederate	Mid-Flood	Surface	11.1	13.00	0.79	0.13	31.44	21.03	1.07	2.5	0.202	NVV	/
1113	20241210	Cloudy	Mederate	Mid-Flood	Surface	1	12.57	0.77	0.27	31.39	21.01	1.0/	2.5	0.182	IN NUM	/
1113	20241210	Cloudy	Mederate	Mid Flood	SuildLe	2.25	12.57	0.02	0.31	31.30	21.02	1.39	2	0.218	IN VV	/
1113	20241210	Cloudy	Mederate	Mid Flood	Middle	3.33	12.50	0.72	0.20	31.30	21.02	1.93	25	0.137	IN VV	/
1113	20241210	Cloudy	Mederate	Mid-Flood	Rettern	5.55	12.50	0.00	0.29	31.30	21.59	1.03	2.5	0.220	IN VV	/
1113	20241210	Cloudy	Mederate	Mid Flood	Bottom	5.7	12.55	8.73	0.20	31.33	21.05	1.55	4	0.220	NVV	/
M4	20241210	Cloudy	Moderate	Mid-Flood	Surface	3./	12.35	0.09	0.27	21.58	21.33	1.51	3	0.1/5	NW	/
M4	20241210	Cloudy	Moderate	Mid-Flood	Surface	1	12-51	0.33	0.11	21.20	21.00	1.01	5	0.189	N	/
M4	20241210	Cloudy	Moderate	Mid-Flood	Bottom	2 5	12-50	0.30	0.13	21.20	21.47	1.//	5	0.1/9	NW	/
M4	20241210	Cloudy	Moderate	Mid-Flood	Bottom	3.5	12-50	0.44	0.15	21.23	21.47	1.91	4	0.203	NW	/
C1	20241210	Cloudy	Moderate	Mid-Flood	Surface	3.5	14-46	0.3/	0.14	22 10	21.47	1.85	3	0.208	NW	/
C1	20241212	Cloudy	Moderate	Mid-Flood	Surface	1	14.40	9.04 g an	0.02 8 NF	22 17	22.97	2 71	2.5 A	0.222	NW	/
C1	20241212	Cloudy	Moderate	Mid-Flood	Middle	0 7	14.40	0.90	0.00 2 AF	22 10	22.90	3.71	4	0.103	NW	/
C1	20241212	Cloudy	Moderate	Mid-Flood	Middle	3./	14.45	0.95	0.05 2 AC	22.18	22.99	3.00	3	0.215	NW	/
C1	20241212	Cloudy	Moderate	Mid-Flood	Bottom	9.7	14.45	0.97	0.00	22.15	22.99	5.57 דר ב	4.5	0.183	NW	/
C1	20241212	Cloudy	Moderate	Mid-Flood	Bottom	10.4	14:44	0.04	8.02	22.09	22.50	2 20	25	0.193	NIM	/
C1	20241212	Cloudy	Moderate	Mid-Flood	Surface	10.4	14.44	9.03	8.07	22 52	22.95	3.29	2.5	0.194	NVV	/
C2	20241212	Cloudy	Mederate	Mid Flood	Surface	1	13.30	9.23	0.20	32.33	22.79	4.01	2	0.183	NVV	/
C2	20241212	Cloudy	Mederate	Mid Flood	SuildLe	10.75	13.30	9.21	0.29	32.30	22.01	4.09	25	0.191	NVV	/
C2	20241212	Cloudy	Moderate	Mid-Flood	Middle	10.75	13.37	9.51	8 20	32.03	22.73	2.00	2.5	0.207	NVV	/
C2	20241212	Cloudy	Moderate	Mid-Flood	Rottom	20.73	12.26	9.19	0.50	32.33	22.02	2.09	4	0.203	NVV	/
C2	20241212	Cloudy	Mederate	Mid Flood	Bottom	20.3	12.20	9.54	0.20	32.34	22.74	3.90	0	0.199	NVV	/
C2	20241212	Cloudy	Mederate	Mid Flood	Surface	20.3	14.02	9.25	8.00	32.31	22.03	3.03	4	0.166	IN NUM/	/
M1	20241212	Cloudy	Moderate	Mid-Flood	Surface	1	14.03	0.33	8.09	22.02	22.71	3.00	25	0.164	NVV	/
M1	20241212	Cloudy	Moderate	Mid-Flood	Middle	2 25	14.03	0.33	8.10	32.03	22.80	2.39	2.5	0.200	N	/
M1	20241212	Cloudy	Moderate	Mid-Flood	Middle	2 25	14:02	8.30	8.10	22.07	22.01	2.70	2.5	0.131	NIM/	/
M1	20241212	Cloudy	Moderate	Mid-Flood	Rottom	5.55	14:02	8 43	9.10	22.09	22.72	2.61	2	0.170	N	/
M1	20241212	Cloudy	Moderate	Mid-Flood	Bottom	5.7	14:01	8.43	8.08	32.00	22.77	2.60	3	0.105	NW	/
M2	20241212	Cloudy	Moderate	Mid-Flood	Surface	5.7	14:20	8.64	8.07	33.17	22.02	3.36	3	0.135	NW	/
M2	20241212	Cloudy	Moderate	Mid-Flood	Surface	1	14.20	8.04	8.05	33.16	22.80	3.30	25	0.170	NW	/
M2	20241212	Cloudy	Moderate	Mid-Flood	Middle	6.65	14.20	8.59	8.03	33.16	22.00	3.30	2.5	0.105	NW	/
M2	20241212	Cloudy	Moderate	Mid-Flood	Middle	6.65	14.15	9.56	9.05	22 17	22.75	3.23	4	0.223	NIM	/
M2	20241212	Cloudy	Moderate	Mid-Flood	Rottom	12.2	14.15	00.8	8.03	22.12	22.70	2 71	4	0.130	N	/
M2	20241212	Cloudy	Moderate	Mid-Flood	Bottom	12.5	14.10	8.64	8.04	22.24	22.00	2.54	11	0.213	N	/
M2	20241212	Cloudy	Moderate	Mid-Flood	Surface	12.5	19.10	8.04	9.11	22 22	22.77	2.06	11	0.173	NIM/	/
M2	20241212	Cloudy	Moderate	Mid-Flood	Surface	1	12.52	7.09	9.09	22 20	22.50	3.00	2	0.188	NIM	/
M3	20241212	Cloudy	Moderate	Mid-Flood	Middle	3 95	13:52	8.05	8.00	33.33	22.05	2.50	5	0.201	NW	/
M3	20241212	Cloudy	Moderate	Mid-Flood	Middle	3.95	13.51	8.03	8 13	33 31	22.50	2.04	5	0.186	NW	/
M3	20241212	Cloudy	Moderate	Mid-Flood	Bottom	6.9	13:50	8.06	8.08	33 30	22.52	3.03	25	0.186	NW	/
M2	20241212	Cloudy	Moderate	Mid-Flood	Bottom	6.0	12:50	8.00	9.12	22 20	22.07	2.07	2.5	0.180	NIM	/
MA	20241212	Cloudy	Moderate	Mid-Flood	Surface	0.5	15.10	0.03	0.12	21 77	22.00	2.41	2	0.198	NIM	/
M4	20241212	Cloudy	Moderate	Mid-Flood	Surface	1	15.12	8 QS	0.20	21 72	22.74	2.50	5	0.130	NIM	/
M4	20241212	Cloudy	Moderate	Mid-Flood	Bottom	1	15.12	8.95	9.20	21.67	22.70	2.42	6	0.173	N	/
M4	20241212	Cloudy	Moderate	Mid-Flood	Bottom	4	15-11	8.90	8 27	21 77	22.00	3.45	2	0.207	N	1
C1	20241212	Cloudy	Moderate	Mid-Flood	Surface	4	15.11	0.89	0.27	21.72	22.74	5.32 2.77	3	0.220	NW	/
C1	20241214	Cloudy	Moderate	Mid-Flood	Surface	1	15.57	0.//	0.50	32./2	21.04	2.33	3	0.210	NW	/
C1	20241214	Cloudy	Moderate	Mid-Flood	Middle	1 a 0	15-56	0.76 g 74	8.20	32.72	21.04	3.29	25	0.106	NW	/
C1	20241214	Cloudy	Moderate	Mid-Flood	Middle	0.C	15-56	0.74 g 73	8 21	32.70	21.05	3.13	2.3	0.217	NW	/
C1	20241214	Cloudy	Moderate	Mid-Flood	Bottom	19.0	15.50	g 77	8 27	32.74	21.13	2 1/	2.5	0.167	NW	/
C1	20241214	Cloudy	Moderate	Mid-Flood	Bottom	18.2	15:55	8.79	8.78	32.75	21.08	3.14	2.5	0.108	NW	/
C2	20241214	Cloudy	Moderate	Mid-Flood	Surface	1	14:52	9,05	8.14	32.67	21.29	3.67	2.5	0.173	NW	/
C2	20241214	Cloudy	Moderate	Mid-Flood	Surface	1	14:52	9.07	8.13	32.61	21.30	3.72	3	0.164	NW	/
C2	20241214	Cloudy	Moderate	Mid-Flood	Middle	10.55	14:51	8.97	8.14	32.66	21.34	3.66	2.5	0.198	NW	/
C2	20241214	Cloudy	Moderate	Mid-Flood	Middle	10.55	14:51	9,01	8.13	32.67	21.30	3,70	2.5	0.167	NW	/
C2	20241214	Cloudy	Moderate	Mid-Flood	Bottom	20.1	14:50	8,96	8.15	32.67	21.35	3.74	2.5	0.225	NW	/
C2	20241214	Cloudy	Moderate	Mid-Flood	Bottom	20.1	14:50	9,07	8.17	32.60	21.30	3,71	2.5	0.158	NW	/
M1	20241214	Cloudy	Moderate	Mid-Flood	Surface	1	15:27	8,19	8.24	31.80	21.23	3,40	2.5	0.168	NW	/
M1	20241214	Cloudy	Moderate	Mid-Flood	Surface	1	15:22	8,19	8.27	31.79	21.21	3,37	2.5	0.192	NW	/
M1	20241214	Cloudy	Moderate	Mid-Flood	Middle	3 7	15:21	8,11	8.26	31.80	21.24	3,41	2.5	0.160	NW	/
M1	20241214	Cloudy	Moderate	Mid-Flood	Middle	3.7	15:21	8,20	8.25	31.85	21.27	3,53	3	0.215	NW	/
M1	20241214	Cloudy	Moderate	Mid-Flood	Bottom	6.4	15:20	8,17	8.25	31.78	21.23	3,31	3	0.167	NW	/
M1	20241214	Cloudy	Moderate	Mid-Flood	Bottom	6.4	15:20	8.10	8.25	31.78	21.30	3.00	2.5	0.164	NW	/
M2	20241214	Cloudy	Moderate	Mid-Flood	Surface	1	15:37	8.68	8.29	31.35	21.41	3.11	2.5	0.212	N	/
M2	20241214	Cloudy	Moderate	Mid-Flood	Surface	1	15:37	8,64	8.27	31.37	21.42	3,00	2.5	0.189	NW	/
M2			Moderate	Mid-Flood	Middle	6.7	15:36	8,68	8.29	31.36	21.36	3,08	3	0.188	N	/
	20241214	Cloudy				J.1	15.26	8.68	0.20	31 38	21.40	2.00	25	0.209	NDAZ	7
M2	20241214	Cloudy Cloudy	Moderate	Mid-Flood	Middle	67	10.00		0.20			2.75				
M2 M2	20241214 20241214 20241214	Cloudy Cloudy Cloudy	Moderate Moderate	Mid-Flood Mid-Flood	Middle Bottom	6.2 11 4	15:35	8.67	8.30	31.34	21.33	2.70	L.0	0.199	NW	/
M2 M2 M2	20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Bottom	6.2 11.4 11.4	15:35	8.67	8.30	31.34	21.33 21.37	3.13	4 4	0.199	NW N	/ /
M2 M2 M2 M3	20241214 20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Bottom Surface	6.2 11.4 11.4	15:35 15:35 15:39	8.67 8.64 8.17	8.30 8.31 8.20	31.34 31.38 31.76	21.33 21.37 21.30	2.76 3.13 2.89 3.07	4	0.199 0.214 0.166	NW N NW	/ / /
M2 M2 M3 M3	20241214 20241214 20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Bottom Surface Surface	6.2 11.4 11.4 1 1	15:35 15:35 15:09 15:09	8.67 8.64 8.17 8.08	8.30 8.31 8.20 8.20	31.38 31.38 31.76 31.76	21.33 21.37 21.30 21.31	2.76 3.13 2.89 3.07 2.92	4 2.5 3	0.199 0.214 0.166 0.773	NW N NW NW	/ / / /
M2 M2 M3 M3 M3	20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Bottom Surface Surface Middle	6.2 11.4 11.4 1 1 1 3 4	15:35 15:35 15:09 15:09 15:09	8.67 8.64 8.17 8.08 8.17	8.30 8.31 8.20 8.20 8.18	31.34 31.38 31.76 31.76 31.76	21.33 21.37 21.30 21.31 21.33	2.76 3.13 2.89 3.07 2.92 2.68	4 4 2.5 3 4	0.199 0.214 0.166 0.223 0.221	NW N NW NW	/ / / / /
M2 M2 M3 M3 M3 M3 M3	20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Bottom Surface Surface Middle Middle	6.2 11.4 11.4 1 1 3.4 3.4	15:35 15:35 15:09 15:09 15:08 15:08	8.67 8.64 8.17 8.08 8.12 8.09	8.20 8.30 8.20 8.20 8.18 8.20	31.34 31.38 31.76 31.76 31.76 31.80 31.82	21.33 21.37 21.30 21.31 21.33 21.26	2.76 3.13 2.89 3.07 2.92 2.68 2.71	4 4 2.5 3 4 2.5	0.199 0.214 0.166 0.223 0.221	NW N NW NW NW	/ / / / / /
M2 M2 M3 M3 M3 M3 M3 M3 M3	20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Sutface Surface Middle Middle Bottom	6.2 11.4 11.4 1 1 3.4 3.4 5.8	15:35 15:35 15:09 15:09 15:08 15:08 15:08	8.67 8.64 8.17 8.08 8.12 8.09 8.16	8.20 8.30 8.31 8.20 8.20 8.18 8.20 8.20 8.20	31.34 31.38 31.76 31.76 31.80 31.80 31.83 31.83	21.33 21.37 21.30 21.31 21.33 21.26 21.79	2.76 3.13 2.89 3.07 2.92 2.68 2.71 3.01	4 2.5 3 4 2.5 2.5 2.5	0.199 0.214 0.166 0.223 0.221 0.190 0.223 0.221 0.190	NW N N NW NW NW NW NW N N N N	/ / / / / / /
M2 M2 M3 M3 M3 M3 M3 M3 M3 M3	20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Surface Surface Middle Middle Bottom Bottom	6.2 11.4 11.4 1 1 3.4 3.4 5.8 5.8	15:35 15:35 15:09 15:09 15:08 15:08 15:07 15:07	8.67 8.64 8.17 8.08 8.12 8.09 8.16 8.14	8.20 8.30 8.20 8.20 8.20 8.18 8.20 8.20 8.20 8.20 8.20	31.34 31.38 31.76 31.76 31.80 31.80 31.83 31.80 31.82	21.33 21.37 21.30 21.31 21.33 21.26 21.29 21.29	2.76 3.13 2.89 3.07 2.92 2.68 2.71 3.01 2.59	4 4 2.5 3 4 2.5 2.5 2.5	0.199 0.214 0.221 0.221 0.221 0.221 0.190 0.160 0.160	NW N N N N N N N N N N N N N N N N N N	/ / / / / / / /
M2 M2 M3 M3 M3 M3 M3 M3 M3 M3 M4	20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Surface Surface Middle Middle Bottom Bottom Surface	6.2 11.4 11.4 1 1 3.4 3.4 5.8 5.8 1	15:35 15:35 15:09 15:09 15:08 15:08 15:07 15:07 15:07 16:27	8.67 8.64 8.17 8.08 8.12 8.09 8.16 8.14 8.50	8.20 8.30 8.20 8.20 8.18 8.20 8.20 8.20 8.20 8.21 8.21 8.35	31.34 31.38 31.76 31.76 31.80 31.83 31.80 31.83 31.83 31.87	21.33 21.37 21.30 21.31 21.33 21.26 21.29 21.24 21.44	2.76 3.13 2.89 3.07 2.92 2.68 2.71 3.01 2.59 3.16	4 4 2.5 3 4 2.5 2.5 2.5 2.5 2.5	0.199 0.214 0.166 0.223 0.221 0.190 0.162 0.162 0.162	NW N N N N N N N N N N N N N N N N N N	/ / / / / / / / /
M2 M2 M3 M3 M3 M3 M3 M3 M3 M3 M4 M4 M4	20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Surface Surface Middle Middle Bottom Bottom Surface Surface	6.2 11.4 11.4 1 1 3.4 3.4 5.8 5.8 1 1	15:35 15:35 15:39 15:09 15:08 15:08 15:07 15:07 15:07 16:22 16:22	8.67 8.64 8.17 8.08 8.12 8.09 8.16 8.14 8.50 8.48	8.20 8.30 8.20 8.20 8.20 8.20 8.20 8.20 8.20 8.2	31.34 31.38 31.76 31.76 31.80 31.83 31.80 31.83 31.87 31.90	21.33 21.37 21.30 21.31 21.33 21.26 21.29 21.24 21.44 21.44 21.47	2.76 3.13 2.89 3.07 2.92 2.68 2.71 3.01 2.59 3.16 2.71	2.5 4 2.5 2.5 2.5 2.5 2.5 2.5 3	0.199 0.214 0.166 0.223 0.221 0.190 0.190 0.169 0.169 0.155	NW N N N N N N N N N N N N N N N N N N	/ / / / / / / / / / / /
M2 M2 M3 M3 M3 M3 M3 M3 M4 M4 M4 M4	20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Surface Surface Middle Middle Bottom Bottom Surface Surface Surface Bottom	6.2 11.4 11.4 1 1 3.4 3.4 5.8 5.8 1 1 1 3.5	15:35 15:35 15:39 15:09 15:08 15:08 15:07 15:07 16:22 16:22 16:22	8.67 8.64 8.17 8.08 8.12 8.09 8.16 8.14 8.50 8.48 8.53	8.28 8.30 8.31 8.20 8.20 8.20 8.20 8.20 8.20 8.21 8.35 8.33 8.33	31.34 31.34 31.38 31.76 31.76 31.80 31.83 31.80 31.83 31.80 31.83 31.87 31.90 31.90 31.91	21.33 21.37 21.30 21.31 21.33 21.26 21.29 21.24 21.24 21.44 21.47 21.45	2.76 3.13 2.89 3.07 2.92 2.68 2.71 3.01 2.59 3.16 2.71 2.71	4 4 2.5 2.5 2.5 2.5 3 2.5 3	0.129 0.214 0.266 0.223 0.221 0.190 0.162 0.169 0.169 0.167 0.167	NW N N N N N N N N N N N N N N N N N N	/ / / / / / / / / / / / /
M2 M2 M3 M3 M3 M3 M3 M3 M3 M4 M4 M4 M4 M4 M4 M4 M4	20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214 20241214	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate	Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood Mid-Flood	Middle Bottom Surface Surface Middle Bottom Bottom Surface Surface Surface Bottom Bottom	6.2 11.4 11.4 11.4 1 1 3.4 3.4 5.8 5.8 1 1 1 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	15:35 15:35 15:39 15:09 15:08 15:08 15:07 15:07 16:22 16:22 16:21 16:21	8.67 8.64 8.17 8.08 8.12 8.09 8.16 8.14 8.50 8.48 8.53 8.53 8.53	8.28 8.30 8.31 8.20 8.20 8.20 8.20 8.20 8.21 8.35 8.33 8.33 8.33 8.33	31.34 31.34 31.76 31.76 31.83 31.83 31.80 31.83 31.87 31.90 31.91 31.91 31.91 31.91	21.33 21.37 21.30 21.31 21.33 21.26 21.29 21.24 21.44 21.44 21.47 21.45 21.45	2.76 3.13 2.89 3.07 2.92 2.68 2.71 3.01 2.59 3.16 2.71 2.94 3.06 2.71	4 4 2.5 2.5 2.5 2.5 2.5 3 2.5 3 2.5	0.129 0.214 0.26 0.223 0.221 0.190 0.162 0.165 0.195 0.165 0.166	NW N	/ / / / / / / / / / / / / /



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C1	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	9:14	8.76	8.13	31.54	20.81	3.60	4	0.218	N	/
C1	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	9:14	8.75	8.14	31.62	20.83	3.83	5	0.184	NW	/
C1	20241217	Cloudy	Moderate	Mid-Flood	Middle	11.55	9:13	8.78	8.12	31.62	20.86	3.38	5	0.221	NW	/
C1	20241217	Cloudy	Moderate	Mid-Flood	Middle	11.55	9:13	8.77	8.15	31.53	20.82	3.36	5	5 0.200	NW	/
C1	20241217	Cloudy	Moderate	Mid-Flood	Bottom	22.1	9:12	8.66	8.16	31.65	20.87	3.59	5	0.188	NW	/
C1	20241217	Cloudy	Moderate	Mid-Flood	Bottom	22.1	9:12	8.68	8.12	31.52	20.88	3.69	5	0.212	NW	/
C2	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	8:07	9.32	8.11	32.19	20.97	4.65	4	0.198	NW	/
C2	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	8:07	9.38	8.13	32.11	20.98	4.66	6	0.199	N	/
C2	20241217	Cloudy	Moderate	Mid-Flood	Middle	11.4	8:06	9.32	8.14	32.11	20.97	4.83	4	0.209	NW	/
C2	20241217	Cloudy	Moderate	Mid-Flood	Middle	11.4	8:06	9.40	8.15	32.08	20.99	4.69	3	0.168	NW	/
C2	20241217	Cloudy	Moderate	Mid-Flood	Bottom	21.8	8:05	9.29	8.14	32.24	20.97	4.96	7	0.209	NW	/
C2	20241217	Cloudy	Moderate	Mid-Flood	Bottom	21.8	8:05	9.34	8.12	32.18	20.98	4.93	7	7 0.198	NW	/
M1	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	8-35	9.13	8 22	31.14	21.02	4.26	3	0 159	NW	/
M1	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	0.55	9.05	0.22	21.23	21.02	4.20	4	0.193	NIM/	/
1011	20241217	Cloudy	Moderate	Mid-Tlood	Middle	2.2	0.33	5.05	0.22	31.22	21.05	4.55		0.193	NUA/	/
N11	20241217	Cloudy	Moderate	Mid-Flood	Middle	3.2	0.34	9.04	0.19	31.17	21.06	4.31		0.197	NW	/
	20241217	Cloudy	Moderate	Nid-Flood	Detter	5.2	0.34	9.13	0.20	31.17	21.00	4.40	,	0.187	IN W	/
MI	20241217	Cloudy	Moderate	Mid-Flood	Bottom	5.4	8:33	9.06	8.19	31.18	21.05	4.35	9	0.187	NW	/
MI	20241217	Cloudy	Moderate	Mid-Flood	Bottom	5.4	8:33	9.06	8.24	31.29	20.99	4.26	5	0.1/3	NW	/
M2	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	8:53	9.41	8.12	31.81	21.01	3.19	9	0.190	NW	/
M2	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	8:53	9.35	8.08	31.75	21.05	3.30	6	0.202	NW	/
M2	20241217	Cloudy	Moderate	Mid-Flood	Middle	6.05	8:52	9.36	8.12	31.71	21.07	3.59	8	0.213	N	/
M2	20241217	Cloudy	Moderate	Mid-Flood	Middle	6.05	8:52	9.33	8.08	31.86	21.08	3.61	5	0.205	N	/
M2	20241217	Cloudy	Moderate	Mid-Flood	Bottom	11.1	8:51	9.32	8.10	31.78	21.08	3.52	5	0.217	NW	/
M2	20241217	Cloudy	Moderate	Mid-Flood	Bottom	11.1	8:51	9.38	8.07	31.78	21.06	3.34	5	0.213	NW	/
M3	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	8:22	8.99	8.10	31.02	20.75	3.73	5	0.215	NW	/
M3	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	8:22	8.90	8.14	31.07	20.81	3.49	4	0.190	NW	/
M3	20241217	Cloudy	Moderate	Mid-Flood	Middle	4.05	8:21	8.88	8.10	31.04	20.77	3.73	10	0.176	NW	/
M3	20241217	Cloudy	Moderate	Mid-Flood	Middle	4.05	8:21	8.95	8.12	31.14	20.80	3.58	6	5 0.181	NW	/
M3	20241217	Cloudy	Moderate	Mid-Flood	Bottom	7.1	8:20	8.90	8.11	31.04	20.79	3.64	8	3 0.178	NW	/
M3	20241217	Cloudy	Moderate	Mid-Flood	Bottom	7.1	8:20	8.98	8.14	31.10	20.78	3.67	6	5 0.167	NW	/
M4	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	9:43	9.18	8.28	31.05	21.04	3.73	7	0.160	NW	/
M4	20241217	Cloudy	Moderate	Mid-Flood	Surface	1	9:43	9.18	8.29	31.12	20.97	3.85	6	0.218	NW	/
M4	20241217	Cloudy	Moderate	Mid-Flood	Bottom	4.6	9:42	9.13	8.31	31.01	21.00	3.57	5	0.179	NW	/
M4	20241217	Cloudy	Moderate	Mid-Flood	Bottom	4.6	9:47	9.21	8 3 3	31.00	20.99	3,97	q	0.181	NW	/
C1	20241219	Cloudy	Moderate	Mid-Flood	Surface	1	9:35	9,47	8 30	31.64	20.82	2.09	3	0.101 0.187	NW	/
C1	20241219	Cloudy	Moderate	Mid-Flood	Surface	1	9:35	9,49	8 30	31.65	20.82	2.03	3	0.107 0.217	NW	/
C1	20241219	Cloudy	Moderate	Mid-Flood	Middle	9 / 5	9-24	9.44	8 21	31.60	20.86	2.22	2	0.217	NW	/
C1	20241219	Cloudy	Moderate	Mid-Flood	Middle	5.43 0.45	0.34	5.44 0 FO	9.31	21 62	20.00	2.19		0.201	NW	/
C1	20241219	Cloudy	Moderate	Mid-Flood	Bottom	3.45	9.54	9.50	0.50	21.05	20.01	2.22	4	0.218	NW	/
C1	20241219	Cloudy	Moderate	Nid-Flood	Bottom	17.9	9.55	9.49	0.51	31.77	20.65	2.15	3	0.196	IN W	/
01	20241219	Cloudy	Woderate	Mid-Flood	Bottom	17.9	9:33	9.47	8.29	31.76	20.84	2.38	4	0.217	NW	/
C2	20241219	Cloudy	Moderate	Mid-Flood	Surface	1	8:24	9.63	8.1/	31.11	21.10	3.1/	3	0.188	N	/
C2	20241219	Cloudy	Moderate	Mid-Flood	Surface	1	8:24	9.64	8.15	31.02	21.06	3.09	4	0.204	NW	/
C2	20241219	Cloudy	Moderate	Mid-Flood	Middle	10.55	8:23	9.56	8.16	30.99	21.11	3.16	5	0.158	N	/
C2	20241219	Cloudy	Moderate	Mid-Flood	Middle	10.55	8:23	9.57	8.20	31.04	21.10	3.14	5	0.180	NW	/
C2	20241219	Cloudy	Moderate	Mid-Flood	Bottom	20.1	8:22	9.55	8.20	31.03	21.06	3.12	5	0.194	NW	/
C2	20241219	Cloudy	Moderate	Mid-Flood	Bottom	20.1	8:22	9.67	8.19	30.97	21.08	3.23	4	0.166	N	/
M1	20241219	Cloudy	Moderate	Mid-Flood	Surface	1	8:57	9.50	8.25	31.78	20.81	2.57	6	5 0.221	NW	/
M1	20241219	Cloudy	Moderate	Mid-Flood	Surface	1	8:57	9.51	8.25	31.83	20.79	2.95	4	0.163	NW	/
M1	20241219	Cloudy	Moderate	Mid-Flood	Middle	3.25	8:56	9.41	8.28	31.85	20.79	2.65	4	0.197	NW	/
M1	20241219	Cloudy	Moderate	Mid-Flood	Middle	3.25	8:56	9.52	8.30	31.81	20.79	2.64	2.5	0.198	NW	/
M1	20241219	Cloudy	Moderate	Mid-Flood	Bottom	5.5	8:55	9.52	8.26	31.83	20.79	2.57	3	0.189	NW	/
M1	20241219	Cloudy	Moderate	Mid-Flood	Bottom	5.5	8:55	9.50	8.30	31.83	20.75	2.75	5	0.208	NW	/
M2	20241219	Cloudy	Moderate	Mid-Flood	Surface	1	8:44	8.74	8.34	31.61	20.95	2.72	3	3 0.166	NW	/
M2	20241219	Cloudy	Moderate	Mid-Flood	Surface	1	8:44	8.72	8.31	31.69	20.95	2.66	3	0.180	N	/
M2	20241219	Cloudy	Moderate	Mid-Flood	Middle	6.4	8:43	8.78	8.31	31.67	21.01	2.53	4	0.191	NW	/
M2	20241219	Cloudy	Moderate	Mid-Flood	Middle	6.4	8.43	8 68	8 34	31.73	21.02	2 33	25	0 202	NW	/
M2	20241219	Cloudy	Moderate	Mid-Flood	Rottom	11.9	9:43	8 60	9.26	21.62	21.02	2.55	2.5	0.202	NIM/	/
1012	20241219	Cloudy	Moderate	Mid-Tlood	Bettern	11.0	0.42	0.03	0.30	21.05	21.02	2.21	2.3	0.200	NUA/	/
11/12	20241219	Cloudy	Moderate	Mid-Flood	Surface	11.0	0.42	0.72	0.55	31.03	20.94	2.41	2	0.213	NVV	/
1015	20241219	Cloudy	Moderate	Nid-Flood	Surface	1	9.12	9.47	0.07	32.21	20.98	2.02	2	0.211	N .	/
IVI3	20241219	Cloudy	Moderate	Mid-Flood	Surrace	2.25	9:12	9.39	8.10	32.14	20.92	2.78	3	0.196	N	/
IVI3	20241219	Cloudy	Moderate	Mid-Flood	Middle	3.25	9:11	9.45	8.07	32.18	20.97	2.40	0	0.185	NW	/
M3	20241219	Cloudy	Moderate	Mid-Flood	Middle	3.25	9:11	9.38	8.08	32.06	20.92	2.79	3	0.202	N	/
M3	20241219	Cloudy	Moderate	Mid-Flood	Bottom	5.5	9:10	9.47	8.09	32.07	20.98	2.59	6	0.208	NW	/
M3	20241219	Cloudy	Moderate	Mid-Flood	Bottom	5.5	9:10	9.44	8.10	32.13	20.94	2.50	/	0.210	N	/
M4	20241219	Cloudy	Moderate	Mid-Flood	Surface	1	10:01	8.93	8.33	31.53	20.97	2.98	2.5	0.167	NW	/
M4	20241219	Cloudy	Moderate	Mid-Flood	Surface	1	10:01	8.94	8.32	31.39	20.95	2.62	3	0.188	N	/
M4	20241219	Cloudy	Moderate	Mid-Flood	Bottom	3.8	10:00	8.93	8.31	31.52	20.96	2.79	5	0.223	NW	/
M4	20241219	Cloudy	Moderate	Mid-Flood	Bottom	3.8	10:00	8.84	8.33	31.45	20.92	2.83	4	0.210	NW	/
C1	20241221	Cloudy	Moderate	Mid-Flood	Surface	1	10:59	9.15	8.12	31.27	20.93	3.12	6	0.186	NW	/
C1	20241221	Cloudy	Moderate	Mid-Flood	Surface	1	10:59	9.21	8.12	31.31	20.94	3.29	4	0.191	NW	/
C1	20241221	Cloudy	Moderate	Mid-Flood	Middle	11.8	10:58	9.14	8.12	31.32	20.91	3.48	4	0.207	N	/
C1	20241221	Cloudy	Moderate	Mid-Flood	Middle	11.8	10:58	9.24	8.14	31.27	20.91	3.32	3	0.185	NW	/
C1	20241221	Cloudy	Moderate	Mid-Flood	Bottom	22.6	10:57	9.14	8.09	31.23	20.91	3.57	4	0.213	NW	/
C1	20241221	Cloudy	Moderate	Mid-Flood	Bottom	22.6	10:57	9.18	8.12	31.17	20.91	3.40	3	0.197	NW	/
C2	20241221	Cloudy	Moderate	Mid-Flood	Surface	1	9:41	9.34	8.27	31.90	20.81	4.07	4	0.167	NW	/
C2	20241221	Cloudy	Moderate	Mid-Flood	Surface	1	9:41	9.37	8.24	32.06	20.78	4.12	4	0.198	N	/
C2	20241221	Cloudy	Moderate	Mid-Flood	Middle	12.9	9:40	9.30	8.25	31.96	20.78	4.12	4	0.176	NW	/
C2	20241221	Cloudy	Moderate	Mid-Flood	Middle	12.9	9:40	9.30	8.28	31.91	20.78	4.06	3	0.206	NW	/
C2	20241221	Cloudy	Moderate	Mid-Flood	Bottom	24.8	9:39	9.26	8.23	31.88	20.75	3.96	4	0.165	N	/
C2	20241221	Cloudy	Moderate	Mid-Flood	Bottom	24.8	9:39	9.27	8.26	31.95	20.78	4.02	4	0.209	NW	/
M1	20241221	Cloudy	Moderate	Mid-Flood	Surface	1	10:12	9.20	8.35	32.08	20.52	2.48	7	0.168	NW	/
M1	20241221	Cloudy	Moderate	Mid-Flood	Surface	1	10:12	9.24	8.36	32.09	20.50	2.77	4	0.167	NW	/
M1	20241221	Cloudy	Moderate	Mid-Flood	Middle	3.35	10:11	9.28	8.35	32.11	20.52	2.59	3	0.213	N	/
M1	20241221	Cloudy	Moderate	Mid-Flood	Middle	3.35	10:11	9.21	8.33	32.01	20.57	2.52	3	0.205	NW	/
M1	20241221	Cloudy	Moderate	Mid-Flood	Bottom	5.7	10:10	9.27	8.35	32.11	20.58	2.71	2.5	0.201	NW	/
M1	20241221	Cloudy	Moderate	Mid-Flood	Bottom	5.7	10:10	9.20	8.31	32.06	20.50	2.83	3	3 0.192	NW	/
M2	20241221	Cloudy	Moderate	Mid-Flood	Surface	1	10:32	9.52	8.07	31.55	20.56	2.25	6	0.198	NW	/
M2	20241221	Cloudy	Moderate	Mid-Flood	Surface	1	10:37	9,51	8.08	31.57	20.58	2.47	10	0.174	NW	/
M2	20241771	Cloudy	Moderate	Mid-Flood	Middle	6.75	10:31	9.54	8.07	31.61	20.60	2.11		0.174 0.172	NW	/
M2	20241221	Cloudy	Moderate	Mid-Flood	Middle	6 75	10.31	9,47	8 07	31 60	20.55	2.51	1	0.190	NW	/
M2	20241221	Cloudy	Moderate	Mid-Flood	Bottom	12 5	10.31	5.4/ 0.FC	9 11	21 61	20.55	2.21	4	0.100	N	/
M2	20241221	Cloudy	Moderate	Mid-Flood	Bottom	12.5	10:30	3.30	0.11	21 50	20.34	2.74	2	0.225	NIM	/
M2	20241221	Cloudy	Moderate	Mid_Flood	Surface	12.5	10:30	9.47	0.00	31.56	20.59	2.44	3	0.1/1	NIA	/
M2	20241221	Cloudy	Moderate	Mid_Flood	Surface	1	9:57	8.8/	0.50	31.18	20.61	2./4	3	0.158	N	/
1/1.5	20241221	Cloudy	woderate	NIID-FIOOD	Sufface	1	9:57	8.89	8.32	31.18	20.62	2.88	6	0.178	IN NUM	/
1713	20241221	cloudy	wioderate	DOOI1-DIV	widdle	3.25	9:56	8.87	8.33	31.01	20.54	3.00	6	0.217	19.99	/
IVI3	20241221	cioudy	woderate	MID-Flood	widdle	3.25	9:56	8.85	8.33	31.12	20.57	2.82	4	0.206	NW/	/
M3	20241221	Cloudy	Moderate	Mid-Flood	Bottom	5.5	9:55	8.86	8.33	31.13	20.55	3.14	5	0.195	NW	/
M3	20241221	Cloudy	Moderate	Mid-Flood	Bottom	5.5	9:55	8.77	8.32	31.01	20.62	3.20	4	0.162	N	/
1/14	20241221	cioudy	woderate	MID-Flood	surface	1	11:22	9.84	8.22	31.97	20.94	3.53	4	0.179	NW/	/
M4	20241221	Cloudy	Moderate	Mid-Flood	Surface	1	11:22	9.84	8.22	31.96	20.90	3.23	7	0.219	NW	/
			Madarata	Mid-Flood	Bottom	3.8	11:21	9.86	8.21	32.08	20.91	3.55	4	0.192	NW	/
M4	20241221	Cloudy	wouerate	inia mood	Bottom											i



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C1	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	12:51	8.22	8.15	32.70	21.65	2.48	4	0.162 N	/
C1	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	12:51	8.34	8.15	32.58	21.68	2.23	3	0.193 NW	1
C1	20241224	Cloudy	Moderate	Mid-Flood	Middlo	11.05	12:50	9.76	9.15	22.50	21.60	2.20	2.5	0.194 NW	1
C1	20241224	Cloudy	Moderate	Mid-Flood	Middle	11.05	12.50	8.20	0.15	32.39	21.09	2.21	2.5	0.194 NW	
C1	20241224	Cloudy	Moderate	Mid-Flood	Middle	11.05	12:50	8.18	8.15	32.61	21.67	2.57	2.5	0.205 NW	/
C1	20241224	Cloudy	Moderate	Mid-Flood	Bottom	21.1	12:49	8.27	8.13	32.72	21.67	2.64	3	0.217 NW	/
C1	20241224	Cloudy	Moderate	Mid-Flood	Bottom	21.1	12:49	8.27	8.13	32.72	21.66	2.62	2.5	0.205 NW	/
C2	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	11:51	8.81	8.09	31.90	21.77	2.94	2.5	0.179 N	/
C2	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	11:51	8.64	8.09	32.14	21.75	3.05	3	0.219 NW	1
C2	20241224	Cloudy	Moderate	Mid-Flood	Middlo	12.75	11.50	9 90	8.00	22.02	21.74	2.00	2.5	0.166 N	1
C2	20241224	Cloudy	Moderate	Nid-Tlood	Middle	12.75	11.50	0.00	0.03	32.02	21.74	3.03	2.5	0.100 N	-/
C2	20241224	Cloudy	Moderate	Mid-Flood	wilddie	12.75	11:50	8.85	8.10	31.88	21.71	3.01	3	0.195 NW	/
(2	20241224	Cloudy	Moderate	Mid-Flood	Bottom	24.5	11:49	8.85	8.12	31.98	21.69	2.96	3	0.193 NW	/
C2	20241224	Cloudy	Moderate	Mid-Flood	Bottom	24.5	11:49	8.78	8.12	31.90	21.76	2.93	3	0.218 NW	/
M1	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	12:15	8.18	8.31	32.45	21.85	2.25	3	0.187 NW	/
M1	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	12:15	8.20	8.29	32.60	21.92	2.47	2.5	0.194 NW	/
M1	20241224	Cloudy	Moderate	Mid-Flood	Middle	3.5	12:14	8.17	8.29	32.51	21.93	2.15	2.5	0.225 NW	/
M1	20241224	Cloudy	Moderate	Mid-Flood	Middlo	2.5	12:14	9 20	0.20	22.42	21.05	2.57	2.5	0.175 NW	- /
1111	20241224	Cloudy	Moderate	Nid-Tlood	Detter	5.5	12.14	0.30	0.33	32.45	21.05	2.57	2.5	0.175 NW	-/
MI	20241224	cloudy	Moderate	MIG-FIOOd	Bottom	Б	12:13	8.27	8.29	32.51	21.94	2.49	2.5	0.181 NW	/
M1	20241224	Cloudy	Moderate	Mid-Flood	Bottom	6	12:13	8.19	8.31	32.59	21.86	2.34	4	0.216 NW	/
M2	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	12:31	9.09	8.19	33.06	21.93	2.43	2.5	0.209 NW	/
M2	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	12:31	9.11	8.16	32.92	21.92	2.59	4	0.193 N	/
M2	20241224	Cloudy	Moderate	Mid-Flood	Middle	5.95	12:30	9.07	8.19	33.05	21.91	2.23	3	0.219 NW	/
M2	20241224	Cloudy	Moderate	Mid-Flood	Middle	5.05	12.20	0.12	8 10	37.02	21 90	2.23	25	0.195 NW	Ú.
142	20241224	Cloudy	Mederate	Add Floor	Dettern	10.95	12.30	3.15	0.19	32.95	21.03	2.52	2.3	0.105 N	
IVIZ	20241224	cioudy	wooderate	IVIIO-FIOOD	Buttom	10.9	12:29	9.04	8.19	32.95	21.89	2.55	2.5	0.196 N	
M2	20241224	Cloudy	Moderate	Mid-Flood	Bottom	10.9	12:29	9.07	8.14	33.09	21.92	2.63	2.5	0.191 NW	/
M3	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	12:02	8.90	8.22	33.00	21.82	2.62	2.5	0.179 NW	/
M3	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	12:02	8.93	8.21	32.96	21.79	2.56	3	0.166 NW	/
M3	20241224	Cloudy	Moderate	Mid-Flood	Middle	3.3	12:01	8.94	8.21	32.97	21.80	2.44	2.5	0.208 NW	/
M3	20241224	Cloudy	Moderate	Mid-Flood	Middle	3.3	12.01	8.80	8 21	32.89	21 73	2.14	3	0.219 N	1
1413	20241224	Cloudy	Moderate	Nid-Hood	Detter	5.5	12.01	0.30	0.21	32.05	21.73	2.14	25	0.215 N	- /
IVI3	20241224	cloudy	woderate	MIG-FIOOd	Bottom	5.6	12:00	8.79	8.20	32.96	21.//	2.12	2.5	0.205 NW	/
M3	20241224	Cloudy	Moderate	Mid-Flood	Bottom	5.6	12:00	8.77	8.24	32.84	21.74	2.41	2.5	0.165 NW	/
M4	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	13:18	8.57	8.27	32.95	21.78	2.48	2.5	0.178 N	/
M4	20241224	Cloudy	Moderate	Mid-Flood	Surface	1	13:18	8.55	8.28	32.78	21.81	2.65	3	0.213 NW	/
M4	20241224	Cloudy	Moderate	Mid-Flood	Bottom	3.8	13:17	8.71	8.29	32.84	21.83	2.53	2.5	0.221 NW	/
M4	20241224	Cloudy	Moderate	Mid-Flood	Bottom	3.8	13.17	8.49	8 27	32.88	21.81	2.51	5	0.161 NW	1
C1	20241224	Cloudy	Moderate	Mid Flood	Curface	5.0	13.11	0.40	0.11	21.22	20.95	2.51	6	0.132 NW	/
CI .	20241226	cloudy	woderate	MIG-FIOOD	Surface	1	13:51	9.10	8.15	31.22	20.85	2.29	ь	0.173 NW	/
C1	20241226	Cloudy	Moderate	Mid-Flood	Surface	1	13:51	9.14	8.16	31.24	20.90	2.65	5	0.222 NW	/
C1	20241226	Cloudy	Moderate	Mid-Flood	Middle	10.75	13:50	9.13	8.16	31.19	20.86	2.58	7	0.199 NW	/
C1	20241226	Cloudy	Moderate	Mid-Flood	Middle	10.75	13:50	9.18	8.17	31.26	20.85	2.44	4	0.217 NW	/
C1	20241226	Cloudy	Moderate	Mid-Flood	Bottom	20.5	13:49	9.13	8.18	31.19	20.91	2.61	5	0.168 NW	/
C1	20241226	Cloudy	Moderate	Mid-Flood	Bottom	20.5	13:49	9.17	8.15	31.22	20.90	2.68	5	0.216 NW	1
C2	20241220	Cloudy	Moderate	Mid Flood	Surface	20.5	12:45	0.50	0.15	22.20	20.50	2.00		0.210 NW	-/
C2	20241226	cioudy	woderate	IVIIU-FIOOU	Surface	1	12.40	9.39	0.24	52.28	20.76	5.00	5	0.219 NW	
(2	20241226	Cloudy	Moderate	Mid-Flood	Surface	1	12:46	9.47	8.22	32.33	20.80	3.48	5	0.180 NW	/
C2	20241226	Cloudy	Moderate	Mid-Flood	Middle	12.1	12:45	9.50	8.23	32.24	20.75	3.55	3	0.209 N	/
C2	20241226	Cloudy	Moderate	Mid-Flood	Middle	12.1	12:45	9.51	8.24	32.31	20.73	3.59	2.5	0.220 NW	/
C2	20241226	Cloudy	Moderate	Mid-Flood	Bottom	23.2	12:44	9.59	8.26	32.30	20.79	3.77	3	0.182 NW	/
C2	20241226	Cloudy	Moderate	Mid-Flood	Bottom	22.2	12.44	0.49	8 24	32.50	20.75	3. C	1	0.206 NW	1
5.41	20241220	Cloudy	Mederate	Add Floor	Curface	23.2	12.44	3.40	0.24	31.29	20.76	5.05	4	0.173 NW	
111	20241226	cloudy	woderate	IVIId-Flood	surface	1	13:13	9.62	8.17	31.78	20.71	2.46	4	0.1/2 NW	
M1	20241226	Cloudy	Moderate	Mid-Flood	Surface	1	13:13	9.59	8.14	31.80	20.64	2.44	2.5	0.167 NW	/
M1	20241226	Cloudy	Moderate	Mid-Flood	Middle	3.45	13:12	9.65	8.15	31.74	20.70	2.69	5	0.207 NW	/
M1	20241226	Cloudy	Moderate	Mid-Flood	Middle	3.45	13:12	9.66	8.17	31.76	20.65	2.42	2.5	0.218 NW	/
M1	20241226	Cloudy	Moderate	Mid-Flood	Bottom	5.9	13:11	9.66	8.16	31.81	20.66	2.45	4	0.198 NW	/
M1	20241226	Cloudy	Moderate	Mid-Flood	Bottom	5.0	13.11	9.67	8.16	31 79	20.63	2.45	5	0.225 NW	- Ϊ/
142	20241220	Cloudy	Mederate	Add Floor	Curface	5.9	12,20	3.67	0.10	31.79	20.03	2.00		0.124 NW	
IVIZ	20241226	cioudy	woderate	IVIIO-FIOOD	Surface	1	13:30	9.62	8.29	31.54	20.64	2.10	4	U.164 NW	<u> </u>
M2	20241226	Cloudy	Moderate	Mid-Flood	Surface	1	13:30	9.59	8.31	31.55	20.66	2.15	2.5	0.164 N	/
M2	20241226	Cloudy	Moderate	Mid-Flood	Middle	6.55	13:29	9.60	8.28	31.51	20.63	2.01	2.5	0.209 NW	/
M2	20241226	Cloudy	Moderate	Mid-Flood	Middle	6.55	13:29	9.56	8.30	31.54	20.68	1.76	3	0.173 NW	/
M2	20241226	Cloudy	Moderate	Mid-Flood	Bottom	12.1	13:28	9.58	8.31	31.52	20.65	1.88	5	0.182 NW	/
M2	20241226	Cloudy	Moderate	Mid-Flood	Pottom	12.1	12.20	0.50	9 27	21.42	20.00	2.00		0.220 NW	1
	20241220	Claudy	Madarate	And flee	Conference	12.1	13.20	3.56	0.27	31.45	20.00	2.09	2	0.220 NW	
1/13	20241226	cloudy	woderate	IVIId-Flood	surface	1	13:01	9.60	8.33	32.01	20.63	3.21	3	0.16/ NW	
M3	20241226	Cloudy	Moderate	Mid-Flood	Surface	1	13:01	9.68	8.30	31.95	20.62	2.76	2.5	0.203 NW	/
M3	20241226	Cloudy	Moderate	Mid-Flood	Middle	3.65	13:00	9.66	8.31	31.95	20.60	3.15	5	0.210 NW	/
M3	20241226	Cloudy	Moderate	Mid-Flood	Middle	3.65	13:00	9.61	8.30	31.95	20.60	3.17	2.5	0.214 NW	/
M3	20241226	Cloudy	Moderate	Mid-Flood	Bottom	63	12:59	9.63	8 3 7	32.00	20.60	3 21	2.5	0.200 NW	1/
11.3	20241220	Cloudy	Mederate	Add Floor	Dettern	0.5	12.39	3.05	0.52	32.00	20.00	3.21	2.3	0.200 NW	
1113	20241226	cioudy	wooderate	IVIIO-FIOOD	BULTOM	6.3	12:59	9.63	8.31	31.96	20.62	3.01	3	0.222 NW	
1V14	20241226	cioudy	ivioderate	IVIId-Flood	surface	1	14:12	8.91	8.14	32.39	20.83	2.48	2.5	U.184 N	_/
M4	20241226	Cloudy	Moderate	Mid-Flood	Surface	1	14:12	8.92	8.14	32.49	20.83	2.41	2.5	0.202 N	/
M4	20241226	Cloudy	Moderate	Mid-Flood	Bottom	4.2	14:11	8.92	8.14	32.50	20.80	2.51	2.5	0.179 N	/
M4	20241226	Cloudy	Moderate	Mid-Flood	Bottom	4.2	14:11	8.85	8.12	32.50	20.83	2.25	5	0.222 NW	/
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C1	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	14:51	8.48	8.29	32.32	20.63	2.58	2.5	0.158 NW	/
C1	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	14:51	8.54	8.33	32.29	20.66	2.77	2.5	0.190 NW	/
C1	20241228	Cloudy	Moderate	Mid-Flood	Middle	10.8	14:50	8.45	8.30	32.27	20.63	2.46	2.5	0.196 N	/
C1	20241229	Cloudy	Moderate	Mid-Flood	Middle	10.9	14.50	9 5 7	9.70	22.20	20.64	2.95	2.5	0.175 NIW	/
C1	20241220	Cloudy	Madarate	Mid-flood	Detter	10.0	14.30	0.52	0.23	32.23	20.04	2.05	2.5	0.175 NW	/
CI	20241228	cloudy	woderate	MIG-FIOOD	Bottom	20.6	14:49	8.55	8.33	32.33	20.66	2.88	2.5	0.215 NW	/
C1	20241228	Cloudy	Moderate	Mid-Flood	Bottom	20.6	14:49	8.44	8.33	32.28	20.69	2.46	3	0.193 NW	/
C2	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	13:37	8.75	8.11	31.61	20.77	3.03	2.5	0.208 NW	/
C2	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	13:37	8.75	8.15	31.57	20.72	3.08	2.5	0.179 N	/
C2	20241228	Cloudy	Moderate	Mid-Flood	Middlo	11 55	12.26	9 62	9.14	21.61	20.69	2 15	2.5	0.200 N	/
C2	20241228	cloudy	wouerate	Wild-Hood	windule	11.55	13.30	0.05	0.14	51.01	20.03	5.15	2.5	0.200 N	/
(2	20241228	Cloudy	Moderate	Mid-Flood	Middle	11.55	13:36	8.75	8.13	31.61	20.73	3.16	2.5	0.179 NW	/
C2	20241228	Cloudy	Moderate	Mid-Flood	Bottom	22.1	13:35	8.68	8.13	31.58	20.69	3.11	2.5	0.187 NW	/
C2	20241228	Cloudy	Moderate	Mid-Flood	Bottom	22.1	13:35	8.73	8.13	31.66	20.69	3.19	2.5	0.190 NW	/
M1	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	14:11	8.61	8.25	30.92	20.72	2.08	2.5	0.214 NW	/
M1	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	14.11	8.61	8 25	30.99	20.78	1.86	3	0 164 N	/
141	20241220	Cloudy	Moderate	Mid Flood	Middle	2.4	14.10	0.01	0.23	30.95	20.70	1.00		0.171 NM	/
NI1	20241228	Cloudy	wouerate	Wild-Flood	wildule	3.4	14.10	0.72	0.22	50.66	20.77	1.09	4	0.171 NW	/
M1	20241228	Cloudy	Moderate	Mid-Flood	Middle	3.4	14:10	8.71	8.23	30.99	20.77	1.78	7	0.175 NW	/
M1	20241228	Cloudy	Moderate	Mid-Flood	Bottom	5.8	14:09	8.64	8.24	30.99	20.74	1.95	2.5	0.213 NW	/
M1	20241228	Cloudy	Moderate	Mid-Flood	Bottom	5.8	14:09	8.60	8.24	30.88	20.73	1.79	2.5	0.183 NW	/
M2	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	14:26	9.25	8.32	31.10	20.82	1.72	2.5	0.201 NW	/
142	20241220	Cloudy	Mederate	Mid Flood	Surface	1	14.20	0.29	0.52	21.10	20.02	1.72	2.5	0.101 NW	/
IVIZ	20241228	Cloudy	wouerate	IVIId-FIOOU	Surrace	1	14.20	9.20	0.52	51.15	20.84	1.00	2.5	0.191 NW	/
M2	20241228	Cloudy	Moderate	Mid-Flood	Middle	5.9	14:25	9.27	8.32	31.17	20.89	1.94	2.5	0.176 NW	/
M2	20241228	Cloudy	Moderate	Mid-Flood	Middle	5.9	14:25	9.26	8.30	31.15	20.90	2.09	2.5	0.168 NW	/
M2	20241228	Cloudy	Moderate	Mid-Flood	Bottom	10.8	14:24	9.23	8.33	31.20	20.84	1.88	2.5	0.204 NW	/
M2	20241228	Cloudy	Moderate	Mid-Flood	Bottom	10.8	14:24	9.21	8.31	31.21	20.82	2.00	3	0.197 NW	/
M2	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	12.57	9.01	8.40	22.07	20.52	2.00	25	0.172 NW	/
1115	20241228	Cloudy	wouerate	Iviid-Flood	Surface	1	15.57	9.01	0.40	52.07	20.33	2.55	2.5	0.173 NW	/
M3	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	13:57	8.99	8.37	32.10	20.52	2.60	2.5	0.207 NW	/
M3	20241228	Cloudy	Moderate	Mid-Flood	Middle	3.9	13:56	8.97	8.36	32.06	20.53	2.39	2.5	0.160 NW	/
M3	20241228	Cloudy	Moderate	Mid-Flood	Middle	3.9	13:56	8.96	8.38	32.09	20.54	2.52	2.5	0.173 NW	/
M3	20241228	Cloudy	Moderate	Mid-Flood	Bottom	6.8	13:55	8.99	8.36	32.01	20.52	2.45	5	0.198 N	/
142	20241228	Cloudy	Mederate	Mid Flood	Dettern	6.0	12.55	8.00	8.40	22.02	20.51	2.13	2 5	0.180 NIM	1
1115	20241228	Cloudy	wouerate	Wild-Flood	BULLUIII	0.0	15.55	0.99	0.40	52.05	20.31	2.31	2.5	0.180 NW	/
M4	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	14:16	8.96	8.38	31.34	20.73	2.53	2.5	0.195 NW	/
M4	20241228	Cloudy	Moderate	Mid-Flood	Surface	1	14:16	8.96	8.38	31.32	20.78	2.72	2.5	0.169 NW	/
M4	20241228	Cloudy	Moderate	Mid-Flood	Bottom	4.5	14:15	8.88	8.39	31.41	20.76	2.92	2.5	0.208 NW	/
M4	20241228	Cloudy	Moderate	Mid-Flood	Bottom	4.5	14:15	8.97	8.37	31.33	20.80	2.78	2.5	0.220 N	/
C1	20241221	Cloudy	Moderate	Mid-Flood	Surface	1	0.20	0.40	9.11	22.40	21.27	2.10	2.5	0.190 NIM	/
C1	20241231	cloudy	wouerate	Wild-Hood	Suilace	1	3.20	5.45	0.11	32.40	21.27	3.20	2.5	0.105 1444	/
C1	20241231	Cloudy	Moderate	Mid-Flood	Surface	1	9:20	9.42	8.12	32.49	21.17	3.27	2.5	0.198 NW	/
C1	20241231	Cloudy	Moderate	Mid-Flood	Middle	10.1	9:19	9.49	8.15	32.44	21.26	3.41	2.5	0.212 NW	/
C1	20241231	Cloudy	Moderate	Mid-Flood	Middle	10.1	9:19	9.51	8.10	32.53	21.19	3.21	4	0.208 NW	/
C1	20241231	Cloudy	Moderate	Mid-Flood	Bottom	19.2	9:18	9.51	8.14	32.52	21.14	3.27	2.5	0.159 NW	/
C1	20241231	Cloudy	Moderate	Mid-Flood	Bottom	19.2	9.18	9.47	8 1 2	32.50	21.29	3 35	3	0.170 NW	/
C1	20241231	Cloudy	Moderate	Mid Flood	Surface	15.2	9.07	0.95	8.00	21.46	21.20	3.04	25	0.150 N	/
L2	20241251	cioudy	wouerate	IVIIU-FIOOU	Surrace	1	8.07	0.00	0.09	51.40	21.20	5.94	2.5	0.188 N	/
C2	20241231	Cloudy	Moderate	Mid-Flood	Surface	1	8:07	8.95	8.06	31.38	21.24	3.96	3	0.219 NW	/
C2	20241231	Cloudy	Moderate	Mid-Flood	Middle	12.75	8:06	8.87	8.08	31.48	21.17	3.82	4	0.159 N	/
C2	20241231	Cloudy	Moderate	Mid-Flood	Middle	12.75	8:06	8.86	8.09	31.35	21.22	3.98	2.5	0.199 NW	/
C2	20241231	Cloudy	Moderate	Mid-Flood	Bottom	24.5	8.05	8 91	8.07	31 39	21.13	3 93	2.5	0.167 N	1
C2	20241231	Cloudy	Mederate	Mid Flood	Bettem	24.5	0.05	0.91	8.00	21.33	21.15	3.99	2.5	0.160 NW	/
L2	20241251	cioudy	wouerate	IVIIU-FIOOU	BULLUIII	24.3	8.05	0.00	0.09	51.55	21.14	5.00	3	0.189 NW	/
M1	20241231	Cloudy	Moderate	Mid-Flood	Surface	1	8:37	9.23	8.20	32.50	21.22	2.58	2.5	0.198 NW	/
M1	20241231	Cloudy	Moderate	Mid-Flood	Surface	1	8:37	9.21	8.19	32.41	21.20	2.61	3	0.167 NW	/
M1	20241231	Cloudy	Moderate	Mid-Flood	Middle	3.3	8:36	9.24	8.22	32.38	21.18	2.58	2.5	0.195 NW	/
M1	20241231	Cloudy	Moderate	Mid-Flood	Middle	3.3	8:36	9.22	8.20	32.41	21.14	2.51	3	0.187 NW	/
M1	20241221	Cloudy	Moderate	Mid-Flood	Pottom	5.5	0.25	0.10	9.21	22.72	21.15	2.01	25	0.175 N	/
N/1	20241231	Cloudy	Mederate	Mid Flor	Dottom	5.6	0.35	9.19	0.21	32.30	21.15	3.02	2.5	0.126 NW	/
IVII	20241231	cioudy	wioderate	IVII0-F1000	BUITOM	5.6	8:35	9.19	8.Z1	32.38	21.15	2.91	2.5	U.186 NW	/
M2	20241231	Cloudy	Moderate	Mid-Flood	Surface	1	8:55	9.28	8.33	31.43	21.40	3.57	4	0.165 NW	/
M2	20241231	Cloudy	Moderate	Mid-Flood	Surface	1	8:55	9.36	8.30	31.41	21.27	3.61	3	0.207 NW	/
M2	20241231	Cloudy	Moderate	Mid-Flood	Middle	6.05	8:54	9.27	8.32	31.40	21.28	3.69	2.5	0.193 NW	/
M2	20241221	Cloudy	Moderate	Mid-Flood	Middle	6.05	8.54	0.22	9.24	21.54	21.27	2.40	2.5	0.190 NIM	/
1412	20241231	Cloudy	Moderate	Mid-flood	Detter	0.05	0.53	9.32	0.34	31.34	21.37	3.45	2.5	0.100 NW	/
IVIZ	20241231	cloudy	woderate	MIG-FIOOD	Bottom	11.1	8:53	9.31	8.34	31.42	21.27	3.30	2.5	0.182 NW	/
M2	20241231	Cloudy	Moderate	Mid-Flood	Bottom	11.1	8:53	9.36	8.31	31.40	21.29	3.43	2.5	0.184 NW	/
M3	20241231	Cloudy	Moderate	Mid-Flood	Surface	1	8:24	9.60	8.21	31.33	21.01	3.00	3	0.188 NW	/
M3	20241231	Cloudy	Moderate	Mid-Flood	Surface	1	8:24	9.60	8.19	31.26	20.91	3.06	2.5	0.206 N	/
M3	20241231	Cloudy	Moderate	Mid-Flood	Middle	2 6 5	8.72	9 54	8 24	31 20	20.02	2.00	2.5	0.204 NW	/
	20241231	Cloudy	Madanta	and floor	A dalla	3.05	0.25	3.34	0.24	31.30	20.95	2.96	2.3	0.204 1111	/
N13	20241231	cioudy	woderate	IVIId-Flood	iviiddle	3.65	8:23	9.58	8.21	31.35	20.95	3.15	2.5	U.221 N	/
M3	20241231	Cloudy	Moderate	Mid-Flood	Bottom	6.3	8:22	9.52	8.21	31.24	20.90	2.98	2.5	0.179 N	/
M3	20241231	Cloudy	Moderate	Mid-Flood	Bottom	6.3	8:22	9.59	8.21	31.32	20.96	2.73	5	0.219 NW	/
M4	20241231	Cloudy	Moderate	Mid-Flood	Surface	1	9:41	9.24	8.15	32.56	21.33	3.18	5	0.199 NW	/
M4	20241231	Cloudy	Moderate	Mid-Flood	Surface	1	9:41	9.21	8.16	32.49	21.25	2 26	3	0.195 NW	/
MA	20241221	Cloudy	Moderate	Mid-Flood	Bottom	4.1	0.40	0.21	9.14	22.49	21.23	3.30	0	0.169 NW	1
1414	20241231	Cloudy	Noderate	NALI FLOOD	Dottom	4.1	9.40	9.25	0.14	52.49	21.32	3.36	8	0.100 NW	/
M4	20241231	cioudy	woderate	IVIId-Flood	Bottom	4.1	9:40	9.21	8.14	32.58	21.22	3.33	5	0.189 NW	/

Contract No. PI 2/2020 Environmental Monitoring Works for Lei Yue Mun Waterfront Enhancement Project



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44th Monthly EM&A Report (December 2024)







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44th Monthly EM&A Report (December 2024)

 10.00
 Mid-Flood - Turbidity





Contract No. PI 2/2020 Environmental Monitoring Works for Lei Yue Mun Waterfront Enhancement Project



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44th Monthly EM&A Report (December 2024)







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<u>Appendix J</u> <u>Complaint Log</u>



Statistical Summary of Environmental Complaints

Reporting	Envir	ronmental Complaint Stat	istics
Period	Frequency	Cumulative	Complaint Nature
1 – 31 December 2024	0	0	N/A

Statistical Summary of Environmental Summons

Reporting	Envi	ronmental Summons Stat	istics
Period	Frequency	Cumulative	Details
1 – 31 December 2024	0	0	N/A

Statistical Summary of Environmental Prosecution

Reporting	Envire	onmental Prosecution Sta	tistics
Period	Frequency	Cumulative	Details
1 – 31 December 2024	0	0	N/A