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5th Floor, Ho Man Tin Government Offices
88 Chung Hau Street
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Your reference:

Our reference: HKHYD203/50/111181

Date: 8 May 2026

Attention: Mr Eric Wong

BY EMAIL & POST
(email: se3tmis.mw@hyd.gov.hk)

Dear Sirs

Agreement No. HMWSD 6/2022 (EP)
Environmental Project Office for the Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road, Hong Kong-Zhuhai-Macao Bridge Hong Kong
Boundary Crossing Facilities, & Tuen Mun-Chek Lap Kok Link – Investigation

Service Contract No. HMW 6/2025 (EP)
Post-construction / operational phase water quality and mudflat ecological monitoring
for Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road Project
Verification of 4th Monthly Environmental Monitoring & Audit Report

We refer to the email of 6 May 2026, attaching the 4th Monthly Environmental Monitoring & Audit Report prepared by the Environmental Team (ET) of the captioned.

We have no comment and hereby verified the captioned report in accordance with Clause 4.4 of the Environmental Permit no. EP-352/2009/D.

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

Yours faithfully
ANEWR CONSULTING LIMITED

James Choi
Independent Environmental Checker

CPSJ/LCCR/thy

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Ove Arup & Partners Hong Kong Ltd – Mr Eddie Tsang (email: eddietsang@hkhr.hy03.net)
AECOM Asia Company Limited – Ms Lemon Lam (email: lemon.lam@aecom.com)

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Service Contract No. HMW 6/2025 (EP)
Post-construction / operational phase
water quality and mudflat ecological monitoring
for Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road Project

4th Monthly Environmental Monitoring &
Audit Report
from 22 March 2026 to 21 April 2026

May 2026

Quality Information

Prepared by

Various

**Checked and Certified by
Environmental Team Leader**

Lemon Lam

Approved by

Jackel Law

Revision History

Revision	Revision date	Details	Authorized	Name	Position
R0	6 May 2026				

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EXECUTIVE SUMMARY

This is the 4th Monthly EM&A Report presenting the environmental monitoring results and findings of the post-construction phase and operational phases EM&A activities during the period from 22 March 2026 to 21 April 2026. Monitoring works conducted in the reporting period were shown below:

Environmental Monitoring Parameter		Activities Period
Water Quality Monitoring	(Post-Construction Phase)	- Nil.
	(Operational Phase)	1 April 2026
Mudflat Ecological Monitoring (Post-Construction Phase)		- Nil.

1. INTRODUCTION

1.1 Background

- 1.1.1 The Hong Kong-Zhuhai-Macao Bridge (HZMB) Hong Kong Link Road (HKLR) serves to connect the HZMB Main Bridge at the Hong Kong Special Administrative Region (HKSAR) Boundary and the HZMB Hong Kong Boundary Crossing Facilities (HKBCF) located at the north eastern waters of the Hong Kong International Airport (HKIA).
- 1.1.2 HKLR which comprises two construction phase contracts, i.e., Contract No. HY/2011/03 the Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities (hereinafter referred as Contract 03), and Contract No. HY/2011/09 the Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road Section between HKSAR Boundary and Scenic Hill (hereafter referred as Contract 09), is a designated project under the Environmental Impact Assessment Ordinance (EIAO). The Environmental Impact Assessment (EIA) Report (EIA Register No. AEIAR-144/2009) and updated Environmental Monitoring and Audit (EM&A) Manual for Hong Kong Link Road (Version 1.0) (hereinafter referred as HKLR EM&A Manual) and the current Environmental Permit (EP) No. EP-352/2009/D was issued on 22 December 2014.
- 1.1.3 As the construction phase under Contract 03 and Contract 09 has been completed, Contract No. HMW 6/2025 (EP) will cover environmental monitoring for the post-construction and operational phases of the project for HKLR.
- 1.1.4 AECOM Asia Company Limited was employed by HyD as the Environmental Team (ET) to provide water quality monitoring and mudflat ecological monitoring services during the post-construction and operation phase for this project.
- 1.1.5 The environmental and ecological monitoring works for this Contract is listed in below:
- Water quality monitoring for 4 weeks in post-construction phase after completion of construction phase EM&A in Contract 03. (The post-construction phase water quality monitoring for Contract 09 has been completed on 21 November 2018, the report is annexed in Appendix H in Contract 09 Final EM&A Report);
 - Water quality monitoring for 1 year in operational phase after completion of post-construction phase water quality monitoring; and
 - Mudflat ecological monitoring for 2 years in post-construction phase after completion of construction phase EM&A in Contract No. HY/2011/03.

1.2 Purpose of the Report

- 1.2.1 This is the 4th Monthly EM&A Report which summaries the environmental monitoring results and findings of the post-construction phase and operational phases EM&A activities for the Project during the reporting period between 22 March 2026 to 21 April 2026.

1.3 Report Structure

- 1.3.1 This monthly EM&A Report is organized as follows:
- Section 1: Introduction
 - Section 2: Water Quality Monitoring
 - Section 3: Mudflat Ecological Monitoring
 - Section 4: Monitoring Results
 - Section 5: Conclusions

2. WATER QUALITY MONITORING

2.1 Monitoring Requirements

- 2.1.1 According to the HKLR EM&A Manual, a post-construction water quality monitoring shall be carried out upon completion of all marine-based construction activities for 4 weeks in the same manner as the Baseline monitoring and operational water quality monitoring shall be performed monthly during the first year of Project operation.

Post-Construction Phase Water Quality Monitoring

- 2.1.2 Upon completion of all marine-based construction activities, a post-construction phase monitoring exercise on water quality shall be carried out for 4 weeks in the same manner as the baseline monitoring. Replicate in-situ measurements and samples collected from each independent sampling event shall be collected to ensure a robust statistically interpretable database. The measurement parameters for post-construction phase water quality monitoring shall include DO, temperature, turbidity, pH, salinity, and SS. The measurement shall be taken at all designated monitoring stations including control stations, 3 days per week, at mid-flood (within ± 1.75 hour of the predicted time) and mid-ebb (within ± 1.75 hour of the predicted time) tides, for at least 4 weeks.

Operational Phase Water Quality Monitoring

- 2.1.3 The marine water quality monitoring shall be performed monthly during the first year of Project operation at all designated monitoring stations including control stations. Each monthly monitoring event shall consist of one monitoring and sampling event during both mid-ebb (within ± 1.75 hour of the predicted time) and mid-flood (within ± 1.75 hour of the predicted time) tides of the same monitoring day. The operation phase water quality monitoring shall be ceased after the first year of operation of the Project. No marine construction activities should be conducted in the vicinity of the stations during the operational phase monitoring period.
- 2.1.4 Sampling shall be taken at three water depths, namely, 1m below water surface, mid-depth and 1m above seabed, except where the water depth is less than 6m, in which case the mid-depth station may be omitted. If the water depth is less than 3m, only the mid-depth station will be monitored. In-situ measurements at DO, turbidity, SS, pH, salinity and temperature shall be taken at all the monitoring. A full set of in duplicated situ measurement and water samples shall be collected during each of the mid-ebb (within ± 1.75 hour of the predicted time) and mid-flood (within ± 1.75 hour of the predicted time) tides.

2.2 Monitoring Locations

- 2.2.1 The monitoring locations of post-construction phase water quality monitoring stations are shown in **Table 2-1**.

Table 2-1 Monitoring Locations of Post-Construction Phase Water Quality Monitoring Stations

Sample ID	Description	Northing	Easting
IS5	Impact Station (Close to HKLR construction site)	817106	811579
IS(Mf)6	Impact Station (Close to HKLR construction site)	817873	812101
IS7	Impact Station (Close to HKBCF construction site)	818777	812244
IS8(N)	Impact Station (Close to HKBCF construction site)	818570	814413
IS(Mf)9	Impact Station (Close to HKBCF construction site)	818850	813273
IS10(N)	Impact Station (Close to HKBCF construction site)	820881	812942

Sample ID	Description	Northing	Easting
SR3(N)	Sensitive receivers (San Tau SSSI)	816591	810689
SR4(N3)	Sensitive receivers (Tai Ho Inlet)	818032	814779
SR5(N)	Sensitive Receivers (Artificial Reef in NE Airport)	821475	812569
SR10A(N)	Sensitive receivers (Ma Wan Fish Culture Zone)	823484	823644
SR10B(N2)	Sensitive receivers (Ma Wan Fish Culture Zone)	823159	823689
CS2(A)	Control Station (Mid-Ebb)	818606	805232
CS(Mf)5	Control Station (Mid-Flood)	821129	817990

2.2.2 The post-construction phase water quality monitoring location plan is shown in **Figure 2-1**.

2.2.3 The monitoring locations of operational phase water quality monitoring stations are shown in **Table 2-2**.

2.2.4 A proposal for relocation of water quality monitoring station at SR2 to SR2(N) was justified by the ET leader and approved/ verified by IEC on 7 January 2026 and it was approved by EPD on 14 January 2026.

Table 2-2 Monitoring Locations of Operational Phase Water Quality Monitoring Stations

Sample ID	Description	Northing	Easting
^SR2(N)	Sensitive receivers (Sha Lo Wan)	817139	807831
SR3(N)	Sensitive receivers (San Tau SSSI)	816591	810689
CS2(A)	Control Station (Mid-Ebb)	818606	805232
CS(Mf)5	Control Station (Mid-Flood)	821129	817990

Note^: SR2 was relocated to SR2(N) due to low water levels (the relocation proposal was approved by EPD on 14 January 2026).

2.2.5 The operational phase water quality monitoring location plan is shown in **Figure 2-2**.

2.3 Monitoring Equipment

2.3.1 **Table 2-3** summarizes the equipment used in the water quality monitoring.

Table 2-3 Water Quality Monitoring Equipment

Equipment	Brand and Model
DO and Temperature Meter, Salinity Meter, Turbidimeter and pH Meter	YSI ProDSS
Positioning Equipment	Garmin GPS72H
Water Depth Detector	Lowrance x-4
Water Sampler	Kahlsio Water Sampler (Vertical) 2.2 L with messenger

2.4 Monitoring Parameters, Frequency and Duration

2.4.1 **Table 2-4** summarizes the monitoring parameters, frequency and monitoring depths of water quality monitoring as required in the HKLR EM&A Manual.

Table 2-4 Water Quality Monitoring Parameters and Frequency

Parameter, unit	Frequency	No. of depth
<ul style="list-style-type: none"> • Depth, m • Temperature, °C • Salinity, ppt • Dissolved Oxygen (DO), mg/L • DO Saturation, % • Turbidity, NTU • pH • Suspended Solids (SS), mg/L 	<u>Post-Construction Phase (4 weeks)</u> Three times per week during mid-ebb and mid-flood tides (within ± 1.75 hour of the predicted time)	3 levels of depth (1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth is less than 6 m, in which case the mid-depth station may be omitted. Should the water depth be less than 3 m, only the mid-depth station will be monitored).
	<u>Operational Phase (1 year)</u> Once per Month, during mid-ebb and mid-flood tides (within ± 1.75 hour of the predicted time)	

2.5 Monitoring Methodology

Instrumentation

2.5.1 The in-situ water quality parameters including dissolved oxygen, temperature, salinity and turbidity, pH were measured by multi-parameter meter.

Operating/ Analytical Procedures

2.5.2 Digital Differential Global Positioning System (DGPS) was used to ensure that the correct location was selected prior to sample collection.

2.5.3 Portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station.

2.5.4 All in-situ measurements were taken at 3 water depths, 1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth was less than 6 m, in which case the mid-depth station was omitted. Should the water depth be less than 3 m, only the mid-depth station was monitored.

2.5.5 At each measurement/sampling depth, two consecutive in-situ monitoring (DO concentration and saturation, temperature, turbidity, pH, salinity) and water sample for SS. The probe was retrieved from the water after the first measurement and then re-deployed for the second measurement. Where the difference in the value between the first and second readings of DO or turbidity parameters was more than 25% of the value of the first reading, the reading would be discarded and further readings would be taken.

2.5.6 Duplicate samples from each independent sampling event were collected for SS measurement. Water samples were collected using the water samplers and the samples were stored in high-density polythene bottles. Water samples collected were well-mixed in the water sampler prior to pre-rinsing and transferring to sample bottles. Sample bottles were pre-rinsed with the same water samples. The sample bottles then were packed in cool-boxes (cooled at 4°C without being frozen), and delivered to ALS Technichem (HK) Pty Ltd. for the analysis of suspended solids concentrations. The laboratory determination work would be started within 24 hours after collection of the water samples. ALS Technichem (HK) Pty Ltd. is a HOKLAS accredited laboratory and has comprehensive quality assurance and quality control programmes.

2.5.7 The analysis method and detection limit for SS is shown in **Table 2-5**.

Table 2-5 Laboratory Analysis for Suspended Solids

Parameters	Instrumentation	Analytical Method	Detection Limit
Suspended Solid (SS)	Weighting	APHA 2540-D	0.5mg/L

2.5.8 Other relevant data were recorded, including monitoring location / position, time, water depth, tidal stages, weather conditions and any special phenomena, in the field log sheet for information.

2.6 Maintenance and Calibration

2.6.1 The DO and Temperature Meter, Salinity Meter, Turbidimeter and pH Meter were calibrated quarterly. The calibration certificate of the monitoring equipment is presented in **Appendix B**.

2.7 Monitoring Schedule

2.7.1 Post-construction phase water quality monitoring was commenced on 22 December 2025 and completed on 16 January 2026.

2.7.2 The operational phase water quality monitoring to be commenced after completion of post-construction phase water quality monitoring. The 3rd operational phase water quality monitoring was conducted on 1 April 2026.

2.7.3 The operational phase water quality monitoring schedule in the reporting period and tentative schedule are presented in **Appendix A**.

3. MUDFLAT ECOLOGICAL MONITORING

3.1 Monitoring Requirements

- 3.1.1 A monitoring programme on the intertidal soft shore habitats on north Lantau coastlines, in San Tau and Tung Chung Bay where horseshoe crab juveniles and seagrass beds have been sighted, should be set up to verify the predictions of impacts.
- 3.1.2 Mudflat ecological monitoring will be conducted in the post-construction phase at least for 2 years after completion of construction. The post-construction mudflat monitoring also complies with the BCF EP and EM&A requirement.
- 3.1.3 The monitoring should cover the water quality, sedimentation rate, horseshoe crab population, seagrass beds, and soft shore intertidal communities. The survey methodology should make reference to previous intertidal soft shore surveys/monitoring (e.g. the seagrass bed monitoring in Shenzhen Western Corridor, and the territory-wide horseshoe crab study by Shin et al. 2007. Conservation of Horseshoe Crabs in Hong Kong – Final Report (ECF Project 12/2003)).
- 3.1.4 According to the Clause 10.3.7 of HKLR EM&A Manual of Hong Kong-Zhuhai-Macao Bridge Hong Kong Link Road (AEIAR-144/2009), the mudflat ecological monitoring survey shall be undertaken by suitably qualified specialist(s), who shall have sufficient (at least 5-10 years) relevant post-graduate experience and publication in the respective aspects. Approval on the specialist(s) responsible for each ecological monitoring survey shall be sought from AFCD and EPD.

3.2 Monitoring Locations

- 3.2.1 According to **Section 10.3.6** of the HKLR EM&A Manual, the mudflat ecological monitoring shall be conducted on the intertidal soft shore habitats in San Tau and Tung Chung Bay, where horseshoe crab juveniles and seagrass beds have been sighted. Following the monitoring locations during the pre-construction (i.e. baseline condition) and construction stage, a total of three monitoring location (TC1-3) in Tung Chung Bay, one monitoring location (ST) in San Tau, and monitoring locations for water quality monitoring (SR3(N)), are proposed for the post-construction phase monitoring and indicated in **Figure 3-1**.

3.3 Monitoring Frequency

- 3.3.1 **Table 3-1** summarizes the mudflat ecological monitoring parameter and frequency.

Table 3-1 Mudflat Ecological Monitoring Parameters and Frequency

Monitoring parameter	Frequency
Water Quality	Once per quarter at SR3(N)
Sedimentation Rate	Once per quarter at TC1-3 and ST
Horseshoe Crab	Once per quarter at TC1-3 and ST
Seagrass Bed	Once per quarter at TC1-3 and ST
Soft Shore Intertidal Community	Once per quarter at TC1-3 and ST

3.4 Monitoring Schedule

- 3.4.1 No post-construction phase mudflat ecological monitoring programme was scheduled in the reporting period. The tentative 2nd post-construction phase mudflat ecological monitoring programme is presented in **Appendix A**.

5. CONCLUSIONS

- 5.1.1 As per the Environmental Protection Department (EPD) approved termination proposal, all marine construction works under this Contract have been completed. No marine-based works under this Contract were carried out during the post-construction phase water quality and mudflat ecological monitoring, and operational phase water quality monitoring period.

Post-Construction Phase Water Quality Monitoring

- 5.1.2 Post-construction phase water quality monitoring was commenced on 22 December 2025 and completed on 16 January 2026.

Operational Phase Water Quality Monitoring

- 5.1.3 The operational phase water quality monitoring to be commenced after completion of post-construction phase water quality monitoring. The 3rd operational phase water quality monitoring was conducted on 1 April 2026.

- 5.1.4 Generally, all marine construction works under this Contract have been completed. The measured concentrations of DO, turbidity and SS levels at all monitoring stations were similar to or remained within the range of results recorded during the baseline monitoring period. The slightly variations observed between the baseline and operational phase monitoring results are considered attributable to natural environmental fluctuations. Therefore, it could be confirmed that there were no unexpected adverse impacts on water quality.

Post-Construction Phase Mudflat Ecological Monitoring

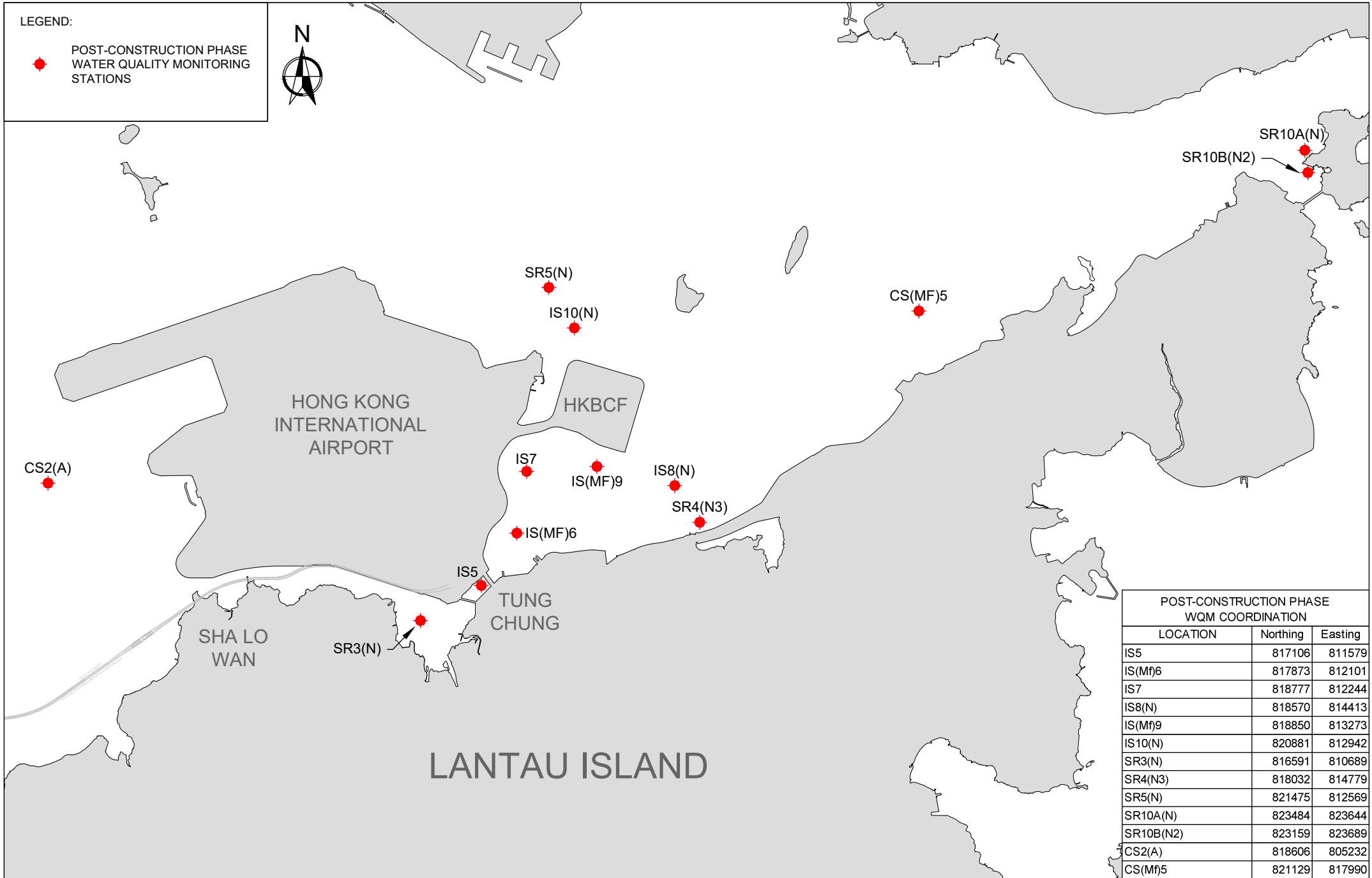
- 5.1.5 No post-construction phase mudflat ecological monitoring was conducted in the reporting period.

Figures

LEGEND:



POST-CONSTRUCTION PHASE
WATER QUALITY MONITORING
STATIONS



POST-CONSTRUCTION PHASE WQM COORDINATION		
LOCATION	Northing	Easting
IS5	817106	811579
IS(Mf)6	817873	812101
IS7	818777	812244
IS8(N)	818570	814413
IS(Mf)9	818850	813273
IS10(N)	820881	812942
SR3(N)	816591	810689
SR4(N3)	818032	814779
SR5(N)	821475	812569
SR10A(N)	823484	823644
SR10B(N2)	823159	823689
CS2(A)	818606	805232
CS(Mf)5	821129	817990



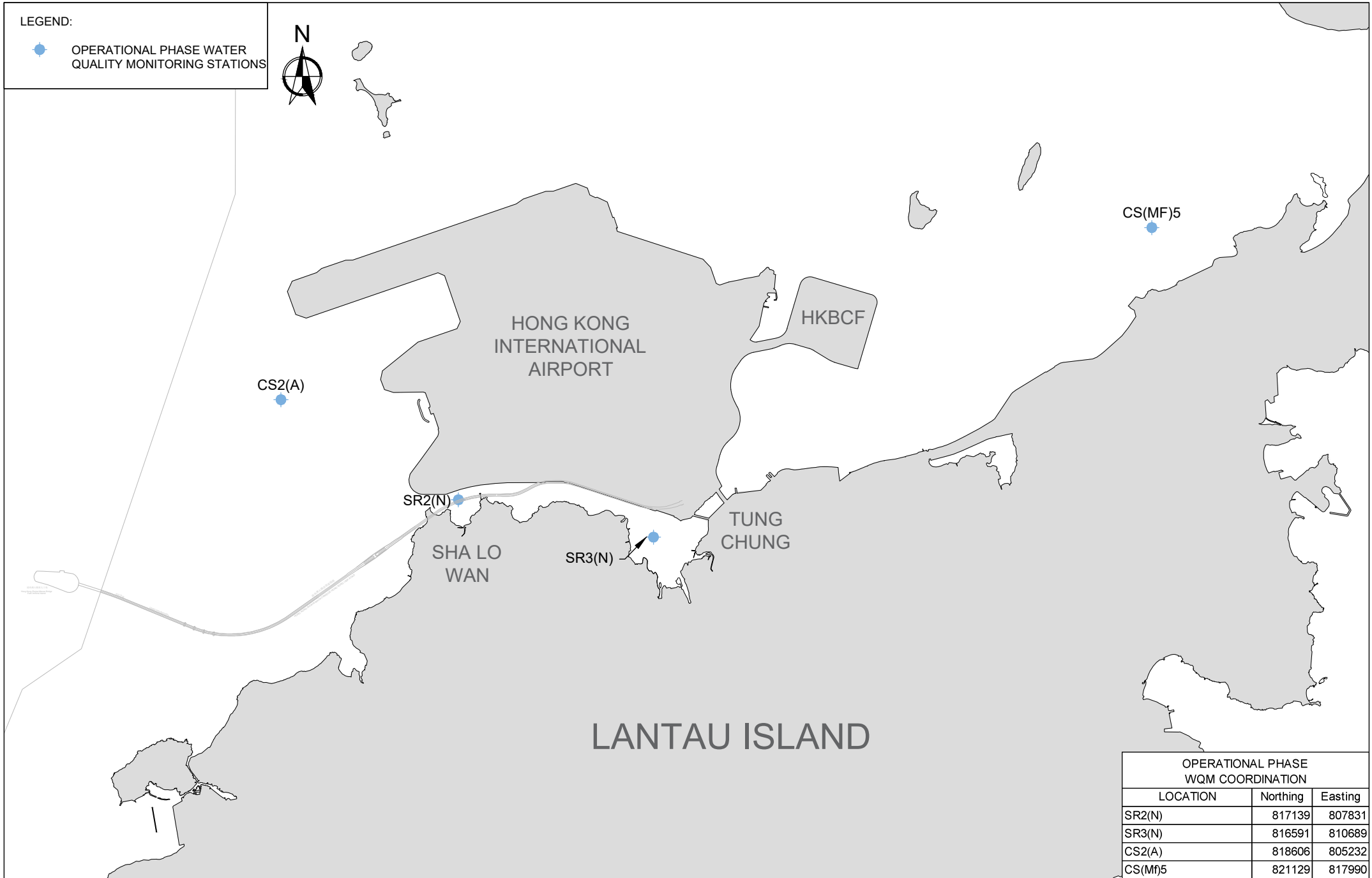
SERVICE CONTRACT HMW 6/2025(EP)

LOCATION PLAN OF POST-CONSTRUCTION PHASE WATER QUALITY MONITORING STATIONS

SCALE	NTS	DATE	JAN 2026
CHECK	LL	DRAWN	KH
JOB No.	60774802	DRAWING No.	Figure 2-1
		REV	0

LEGEND:

● OPERATIONAL PHASE WATER QUALITY MONITORING STATIONS



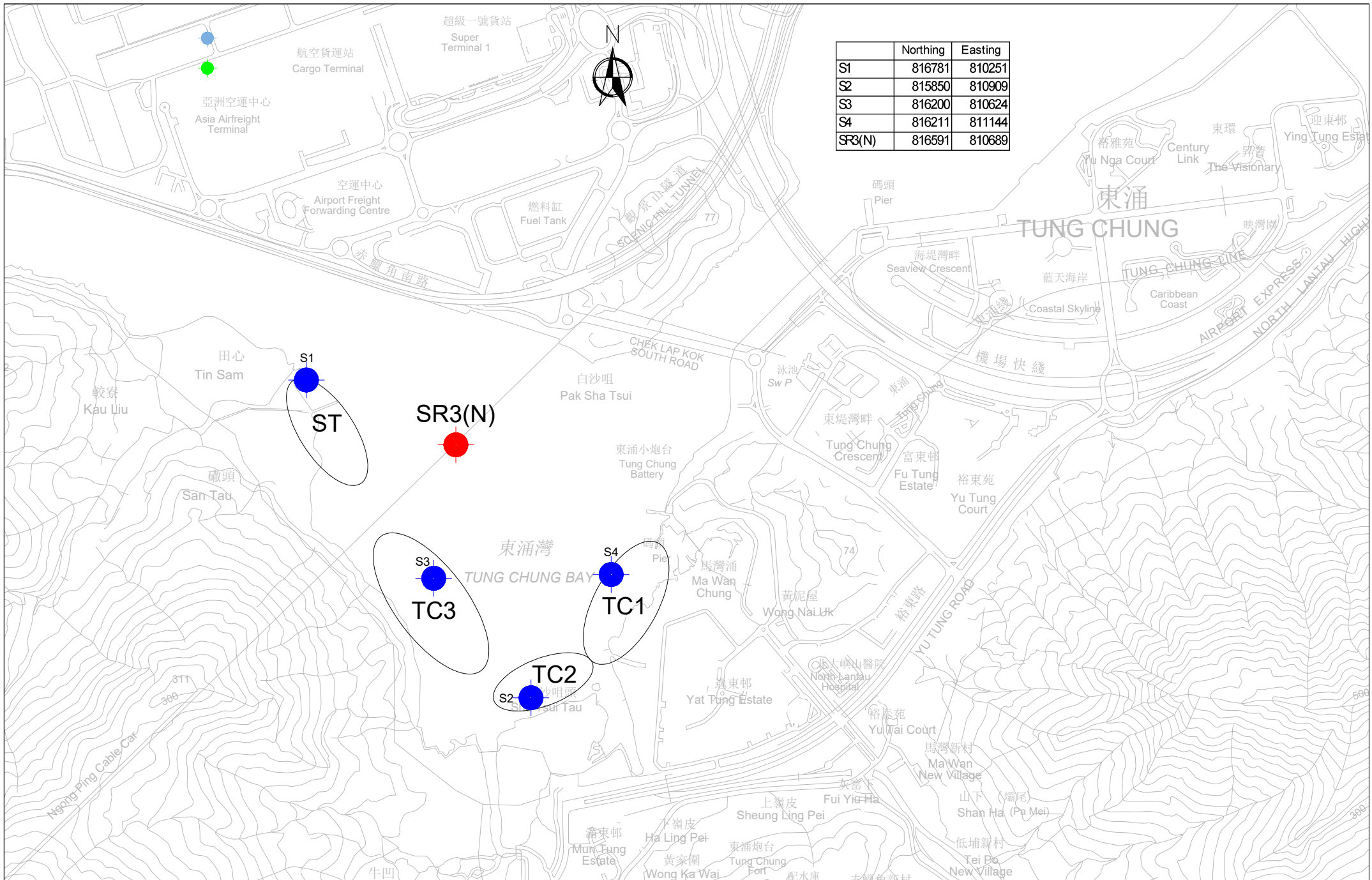
OPERATIONAL PHASE WQM COORDINATION		
LOCATION	Northing	Easting
SR2(N)	817139	807831
SR3(N)	816591	810689
CS2(A)	818606	805232
CS(Mf)5	821129	817990



SERVICE CONTRACT HMW 6/2025(EP)

LOCATION PLAN OF OPERATIONAL PHASE WATER QUALITY MONITORING STATIONS

SCALE	NTS	DATE	JAN 2026
CHECK	LL	DRAWN	KH
JOB No.	60774802	DRAWING No.	Figure 2-2
		REV	0



SERVICE CONTRACT HMW 6/2025(EP)

MUDFLAT ECOLOGICAL SAMPLING ZONES AND WATER QUALITY MONITORING LOCATION

SCALE	NTS	DATE	JAN 2026
CHECK	LL	DRAWN	KH
JOB No.	60774802	DRAWING No.	Figure 3-1
		REV	0

Appendix A
Monitoring Schedule

Service Contract No. HMW 6/2025 (EP)
Environmental Monitoring Schedule for 3rd Water Quality Monitoring

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
22-Mar	23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar
29-Mar	30-Mar	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr
			3 rd WQM			
5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	10-Apr	11-Apr
12-Apr	13-Apr	14-Apr	15-Apr	16-Apr	17-Apr	18-Apr
19-Apr	20-Apr	21-Apr	22-Apr	23-Apr	24-Apr	25-Apr

Note:
WQM: Operational Phase Water Quality Monitoring (in Monthly Basis)

**Service Contract No. HMW 6/2025 (EP)
Tentative Environmental Monitoring Schedule for 4th Water Quality Monitoring**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	1-May	2-May
					4 th WQM 2 nd Mudflat Monitoring	2 nd Mudflat Monitoring
3-May	4-May	5-May	6-May	7-May	8-May	9-May
2 nd Mudflat Monitoring	2 nd Mudflat Monitoring	2 nd Mudflat Monitoring				
10-May	11-May	12-May	13-May	14-May	15-May	16-May
17-May	18-May	19-May	20-May	21-May	22-May	23-May

*The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)

Note:

WQM: Operational Phase Water Quality Monitoring (in Monthly Basis)

Mudflat Monitoring: Post-Construction Phase Mudflat Ecological Monitoring (in Quarterly Basis)

Appendix B

Calibration Certificates



ALS Technichem (HK) Pty Ltd

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: MR WS CHAN
CLIENT: AECOM ASIA COMPANY LIMITED
ADDRESS: 13/F, TOWER 2, GRAND CENTRAL PLAZA,
138 SHATIN RURAL COMMITTEE ROAD,
SHATIN, HONG KONG

WORK ORDER: HK2607030
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 13-Feb-2026
DATE OF ISSUE: 24-Feb-2026

GENERAL COMMENTS

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

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

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

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

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

EQUIPMENT INFORMATION

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

Equipment Type: Multifunctional Meter

Service Nature: Performance Check

Scope: Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature

Brand Name/ Model No.: [YSI]/ [ProDSS]

Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]

Date of Calibration: 13-February-2026

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

This report shall not be reproduced except in full without the written approval of the laboratory.

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2607030
SUB-BATCH: 0
DATE OF ISSUE: 24-Feb-2026
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]
Date of Calibration: 13-February-2026 Date of Next Calibration: 13-May-2026

PARAMETERS:

Conductivity

Method Ref: APHA (23rd edition), 2510B

Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)
146.9	156.3	+6.4
6667	6354	-4.7
12890	12198	-5.4
58670	56013	-4.5
	Tolerance Limit (%)	± 10.0

Dissolved Oxygen

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.07	2.02	-0.05
4.66	4.63	-0.03
7.04	6.98	-0.06
	Tolerance Limit (mg/L)	± 0.20

pH Value

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

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.98	-0.02
7.0	6.99	-0.01
10.0	10.02	+0.02
	Tolerance Limit (pH unit)	± 0.20

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2607030
SUB-BATCH: 0
DATE OF ISSUE: 24-Feb-2026
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]
Date of Calibration: 13-February-2026 Date of Next Calibration: 13-May-2026

PARAMETERS:

Turbidity

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.02	--
4	4.13	+3.3
10	10.26	+2.6
20	21.39	+7.0
50	50.33	+0.7
100	107.01	+7.0
	Tolerance Limit (%)	±10.0

Salinity

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.03	--
10	10.06	+0.6
20	19.52	-2.4
30	29.84	-0.5
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2607030
SUB-BATCH: 0
DATE OF ISSUE: 24-Feb-2026
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [22J104777/22H104506]/ [W.026.37]
Date of Calibration: 13-February-2026 Date of Next Calibration: 13-May-2026

PARAMETERS:

Temperature

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
9.5	9.6	+0.1
19.0	18.7	-0.3
38.5	38.0	-0.5
	Tolerance Limit (°C)	±2.0

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

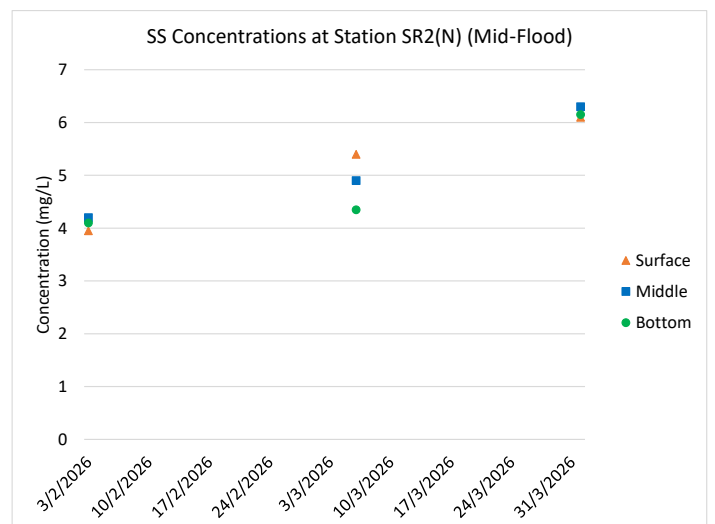
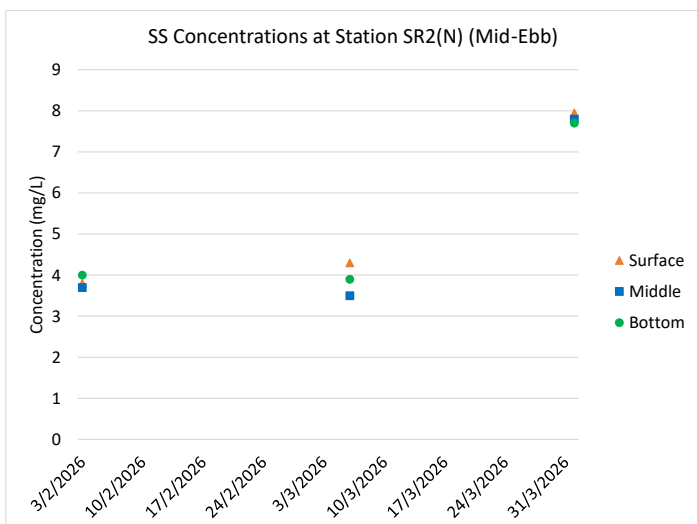
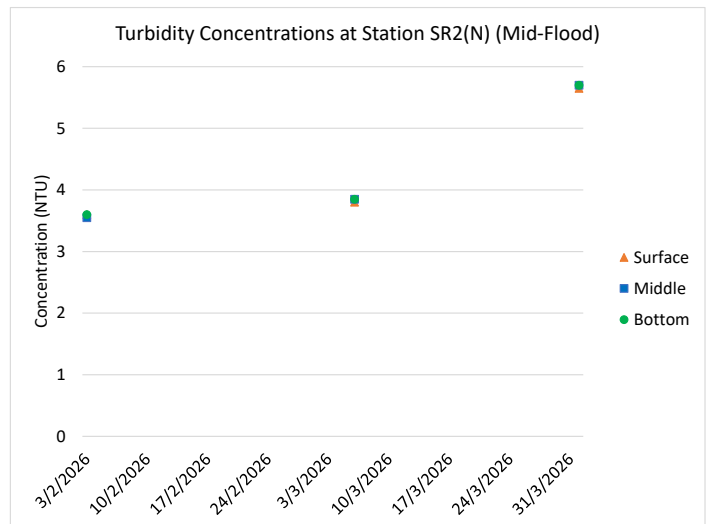
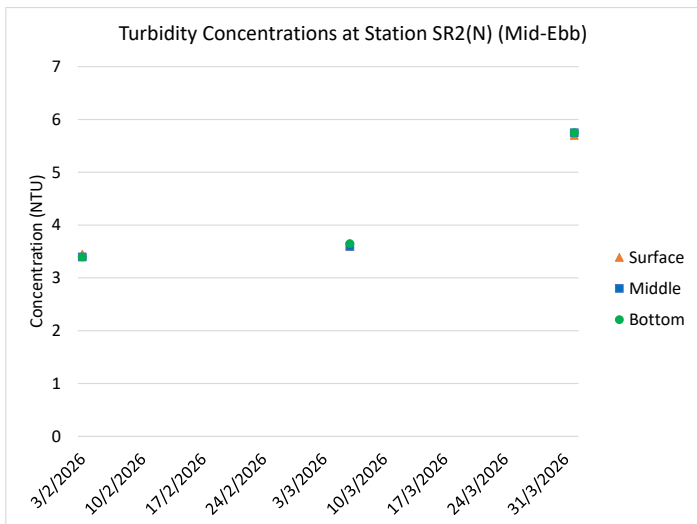
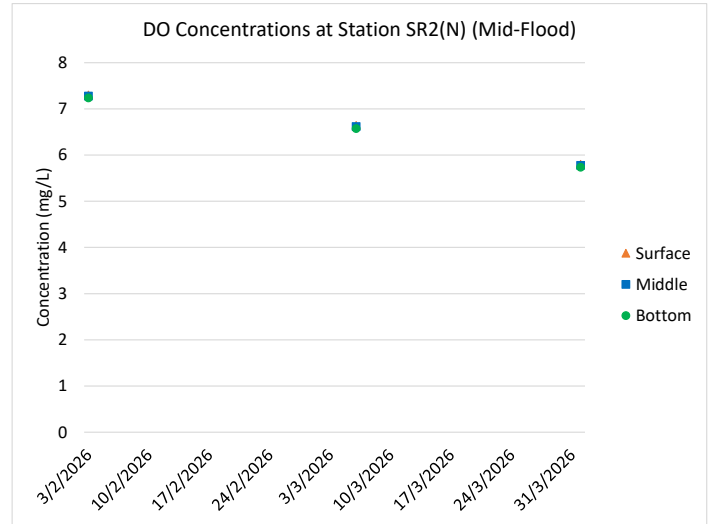
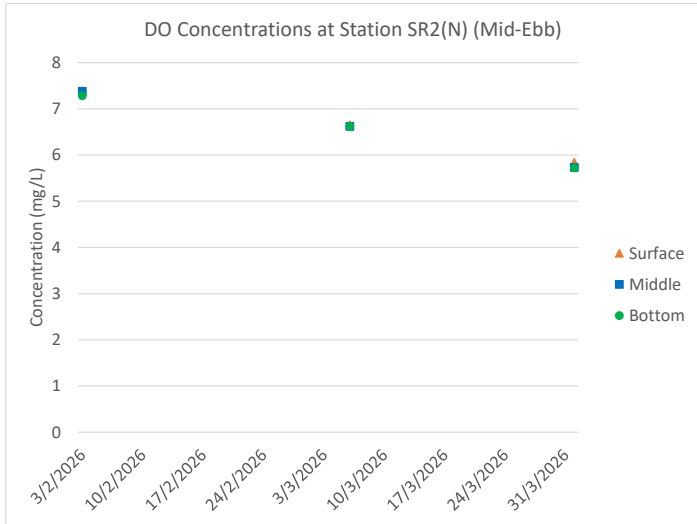
Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

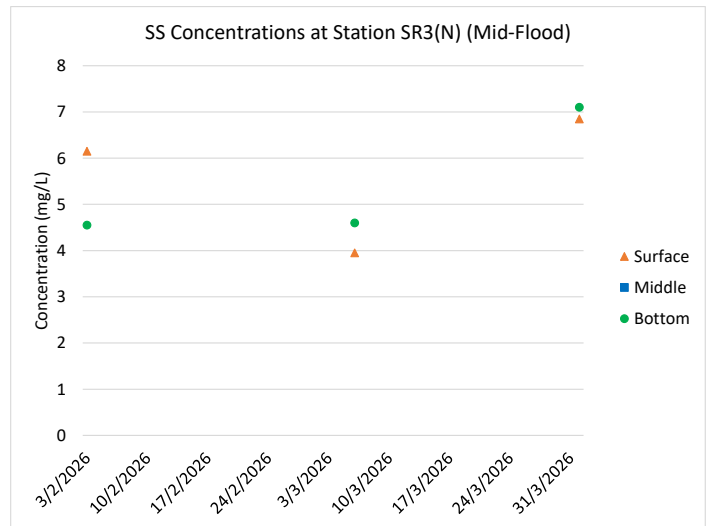
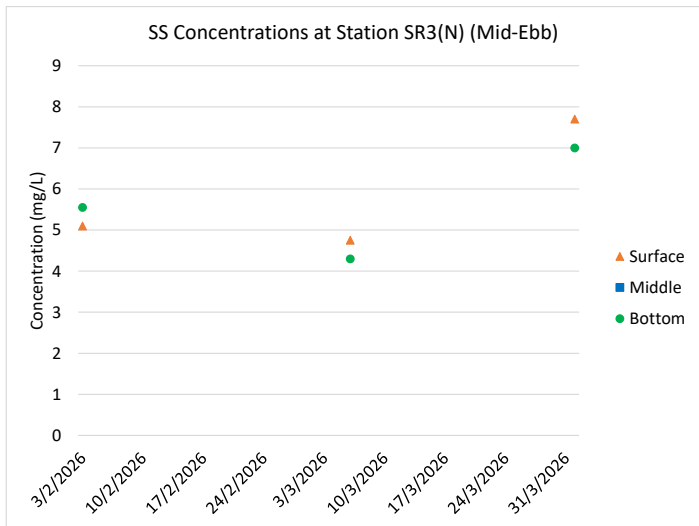
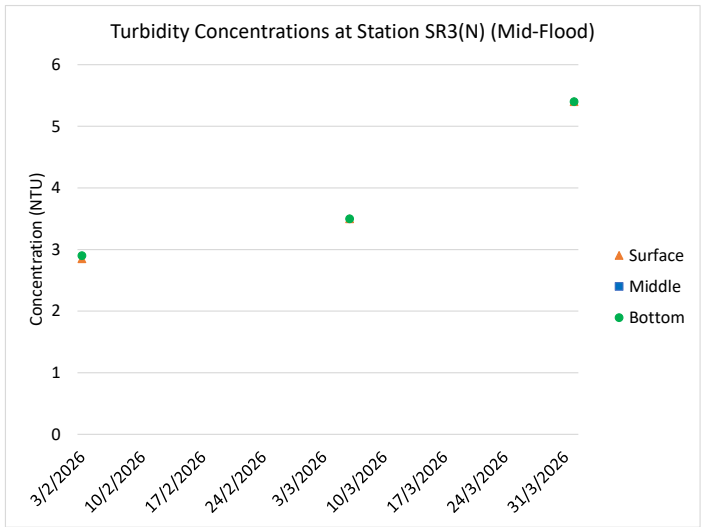
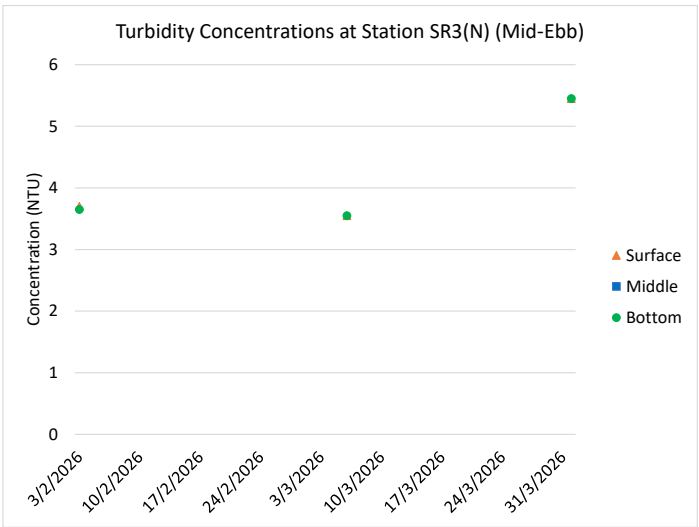
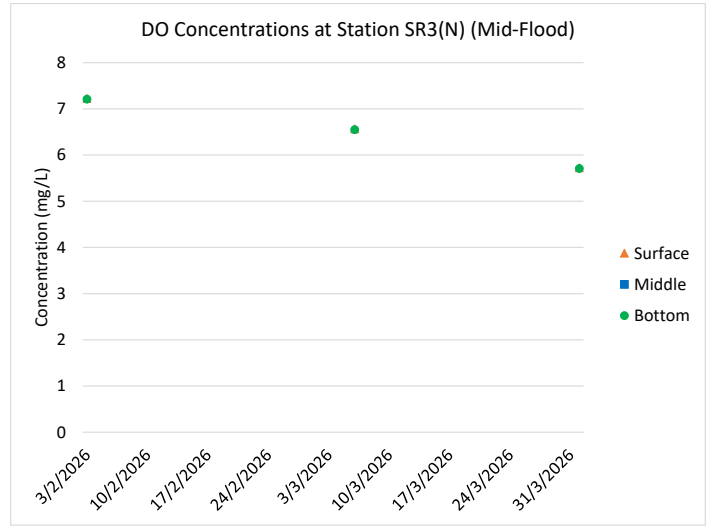
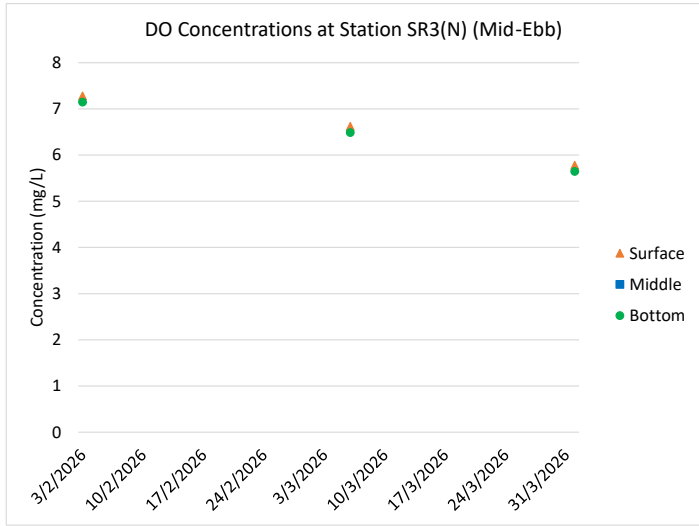
Appendix C

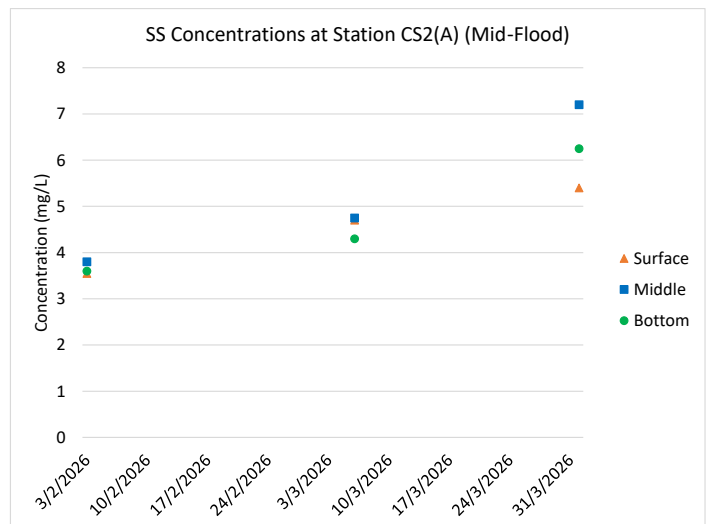
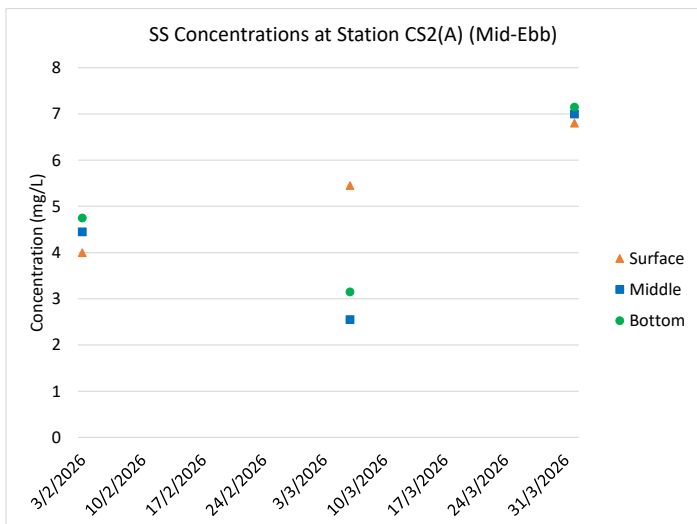
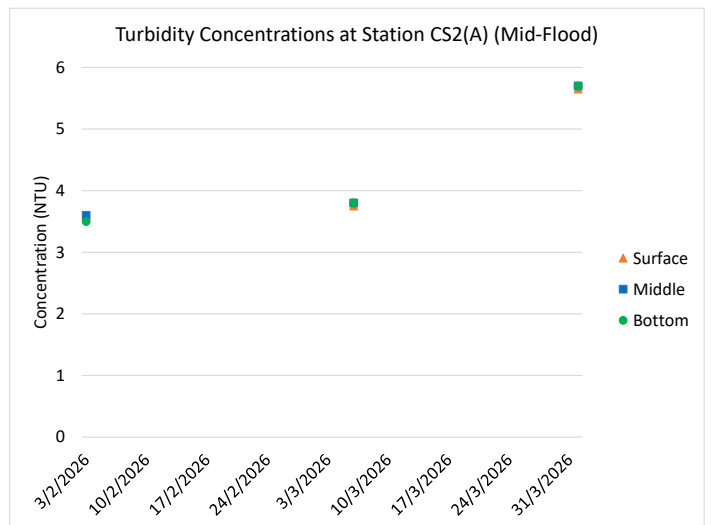
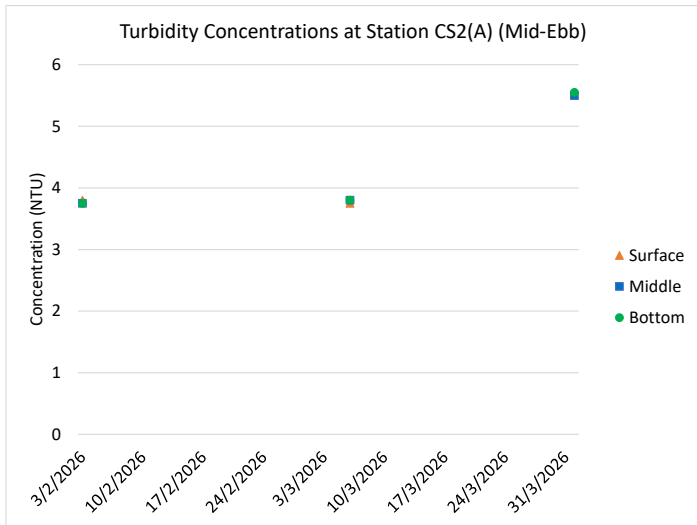
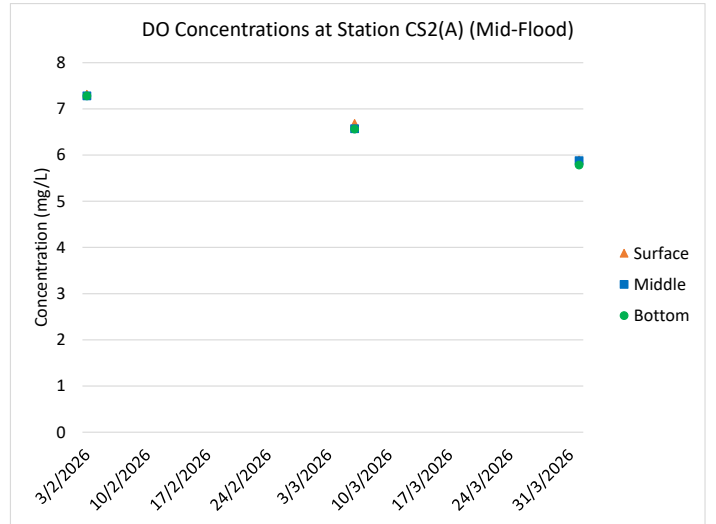
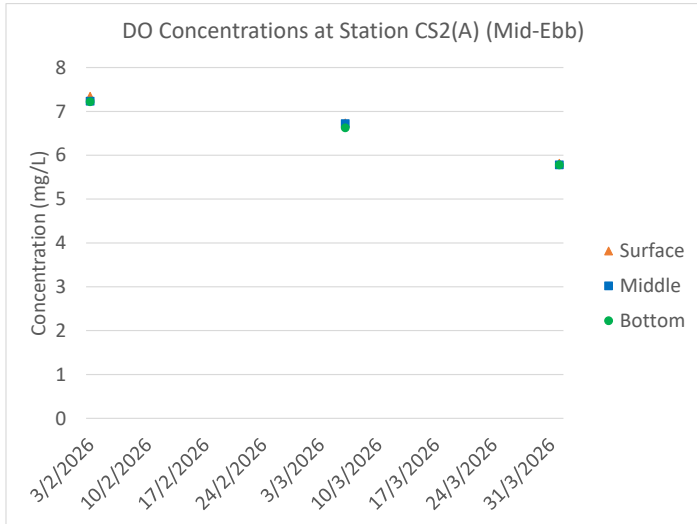
Water Quality Monitoring Data and Graphical Plots

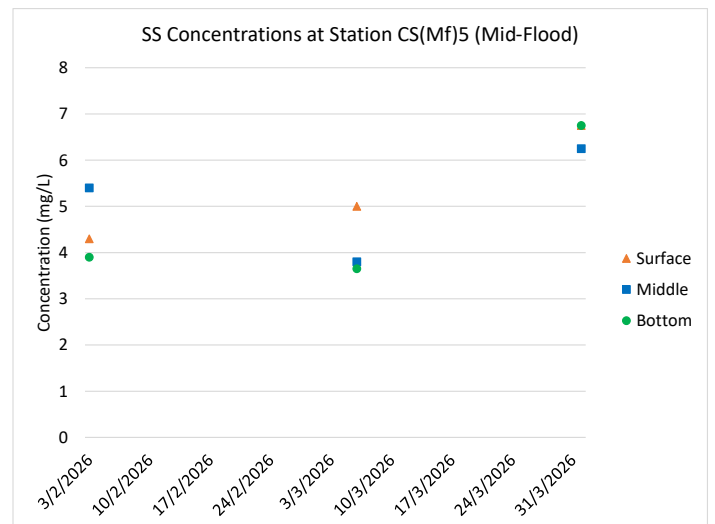
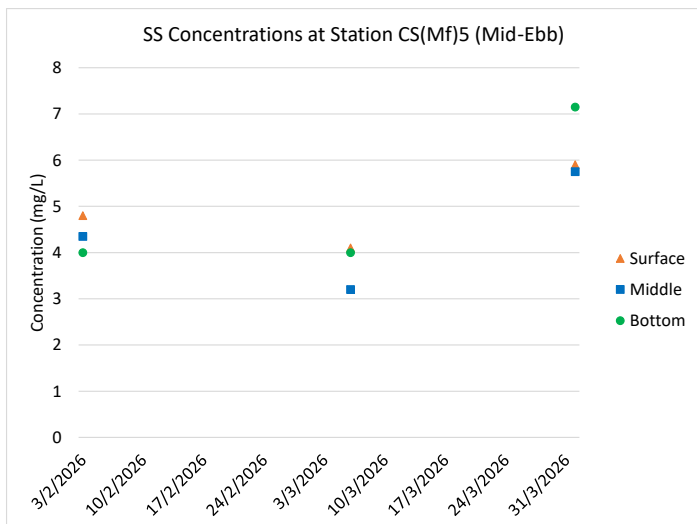
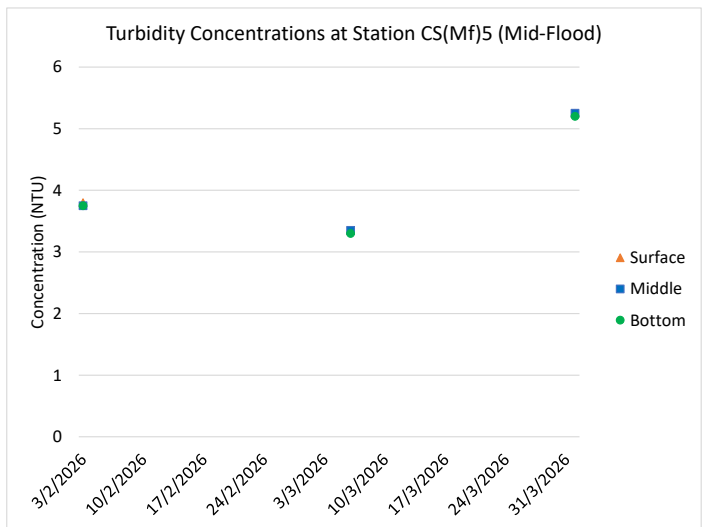
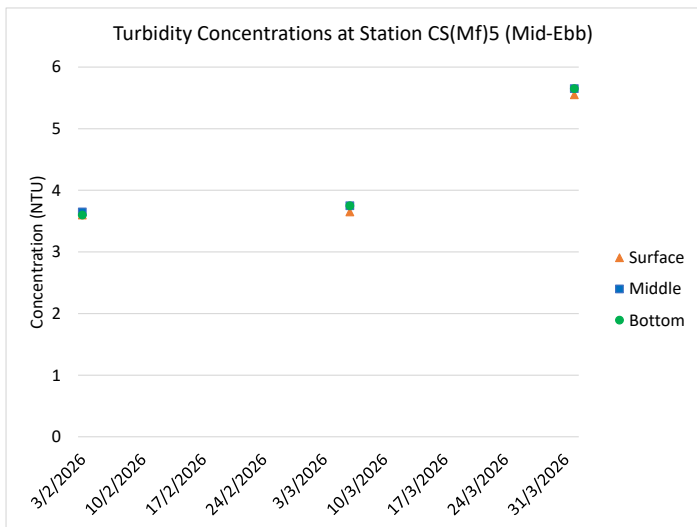
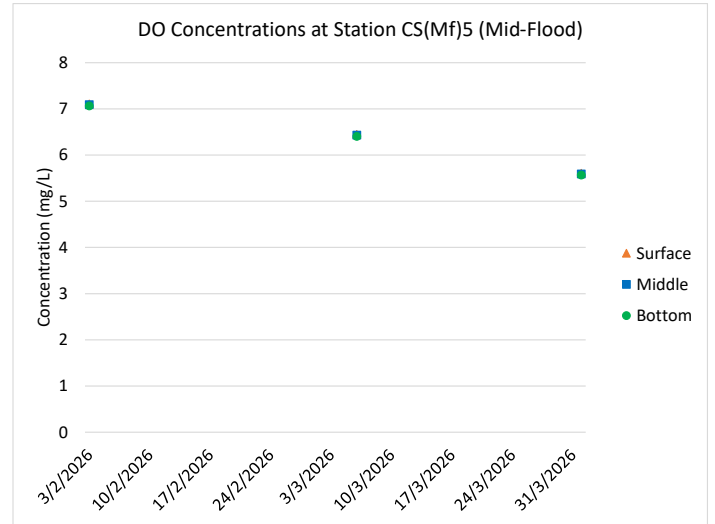
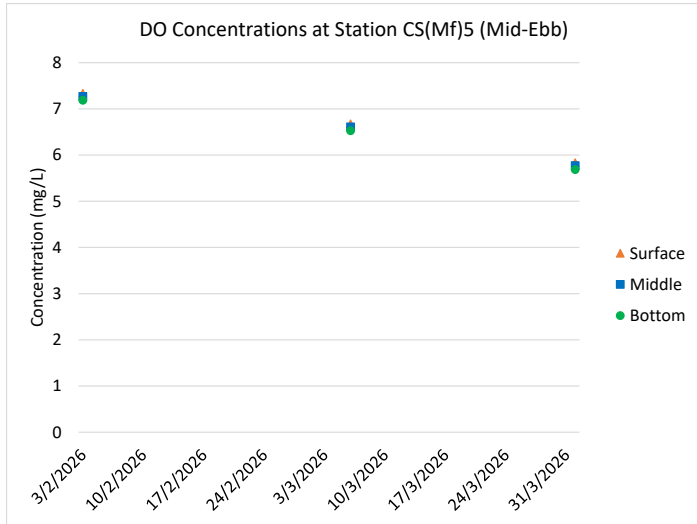
Water Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	SR2(N)	12:09	1.0	Surface	1	1	24.50	7.93	30.29	85.40	5.87	5.70	7.2
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	SR2(N)	12:11	1.0	Surface	1	2	24.60	7.94	30.35	84.90	5.82	5.70	8.7
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	SR2(N)	12:09	3.6	Middle	2	1	24.50	7.92	30.56	83.70	5.72	5.70	7.7
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	SR2(N)	12:11	3.6	Middle	2	2	24.50	7.93	30.43	83.90	5.74	5.80	7.9
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	SR2(N)	12:09	6.2	Bottom	3	1	24.30	7.93	30.68	83.60	5.71	5.70	7.9
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	SR2(N)	12:10	6.2	Bottom	3	2	24.20	7.94	30.64	83.90	5.73	5.80	7.5
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	SR3(N)	12:26	1.0	Surface	1	1	24.40	7.94	30.42	84.20	5.76	5.50	7.4
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	SR3(N)	12:26	1.0	Surface	1	2	24.50	7.95	30.35	84.90	5.80	5.40	8.0
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	SR3(N)	12:25	2.2	Bottom	3	1	24.40	7.94	30.59	82.30	5.63	5.40	6.8
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	SR3(N)	12:26	2.2	Bottom	3	2	24.50	7.94	30.50	82.70	5.66	5.50	7.2
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS2(A)	11:53	1.0	Surface	1	1	24.50	7.90	30.37	84.90	5.82	5.50	7.3
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS2(A)	11:55	1.0	Surface	1	2	24.50	7.94	30.34	84.80	5.81	5.50	6.3
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS2(A)	11:53	3.3	Middle	2	1	24.10	7.90	30.60	84.70	5.80	5.50	7.0
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS2(A)	11:54	3.3	Middle	2	2	24.20	7.92	30.61	83.70	5.76	5.50	7.0
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS2(A)	11:53	5.6	Bottom	3	1	24.10	7.90	30.65	84.50	5.79	5.50	6.8
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS2(A)	11:54	5.6	Bottom	3	2	24.10	7.92	30.64	83.90	5.77	5.60	7.5
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS(Mf)5	13:21	1.0	Surface	1	1	24.50	7.96	30.42	84.90	5.77	5.60	6.2
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS(Mf)5	13:22	1.0	Surface	1	2	24.50	7.95	30.57	86.70	5.90	5.50	5.6
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS(Mf)5	13:21	6.1	Middle	2	1	24.30	7.95	30.68	83.30	5.69	5.70	5.9
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS(Mf)5	13:22	6.1	Middle	2	2	24.30	7.95	30.98	86.20	5.85	5.60	5.6
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS(Mf)5	13:20	11.2	Bottom	3	1	24.10	7.94	31.03	82.70	5.66	5.60	8.1
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Ebb	Cloudy	CS(Mf)5	13:21	11.2	Bottom	3	2	24.30	7.96	31.05	84.10	5.71	5.70	6.2
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	SR2(N)	7:34	1.0	Surface	1	1	23.90	7.92	30.28	84.30	5.80	5.70	6.2
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	SR2(N)	7:36	1.0	Surface	1	2	23.80	7.93	30.30	84.30	5.80	5.60	6.0
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	SR2(N)	7:34	3.7	Middle	2	1	23.70	7.91	30.32	84.20	5.79	5.70	6.5
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	SR2(N)	7:35	3.7	Middle	2	2	23.70	7.93	30.88	83.70	5.76	5.70	6.1
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	SR2(N)	7:34	6.4	Bottom	3	1	23.50	7.92	30.65	83.90	5.77	5.60	6.5
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	SR2(N)	7:35	6.4	Bottom	3	2	23.50	7.91	30.93	82.90	5.70	5.80	5.8
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	SR3(N)	7:15	1.0	Surface	1	1	23.60	7.89	30.28	83.80	5.73	5.40	7.2
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	SR3(N)	7:16	1.0	Surface	1	2	23.60	7.89	30.27	83.70	5.72	5.40	6.5
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	SR3(N)	7:15	2.1	Bottom	3	1	23.60	7.88	30.53	83.70	5.72	5.40	7.0
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	SR3(N)	7:16	2.1	Bottom	3	2	23.60	7.88	30.47	83.50	5.70	5.40	7.2
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS2(A)	7:54	1.0	Surface	1	1	23.80	7.93	30.29	86.80	5.90	5.60	4.5
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS2(A)	7:55	1.0	Surface	1	2	23.90	7.90	30.39	86.60	5.89	5.70	6.3
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS2(A)	7:53	3.3	Middle	2	1	23.60	7.93	30.89	86.70	5.89	5.70	7.4
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS2(A)	7:55	3.3	Middle	2	2	23.60	7.93	30.43	86.40	5.87	5.70	7.0
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS2(A)	7:53	5.6	Bottom	3	1	23.50	7.94	30.93	84.60	5.79	5.70	5.6
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS2(A)	7:54	5.6	Bottom	3	2	23.50	7.93	30.67	84.50	5.78	5.70	6.9
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS(Mf)5	6:25	1.0	Surface	1	1	23.80	7.92	30.29	82.40	5.61	5.20	7.3
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS(Mf)5	6:26	1.0	Surface	1	2	23.90	7.92	30.24	82.20	5.60	5.30	6.2
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS(Mf)5	6:24	6.2	Middle	2	1	23.70	7.90	30.90	81.80	5.58	5.20	5.9
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS(Mf)5	6:25	6.2	Middle	2	2	23.60	7.91	30.94	82.10	5.60	5.30	6.6
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS(Mf)5	6:24	11.4	Bottom	3	1	23.40	7.90	30.91	81.40	5.55	5.20	6.4
WQM	HMW 6/2025 (EP)	2026-04-01	Mid-Flood	Cloudy	CS(Mf)5	6:25	11.4	Bottom	3	2	23.50	7.91	31.64	81.80	5.58	5.20	7.1









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