TECHNICAL MEMORANDUM

To:	**Ian McAllister, Ashleigh Crompton, Mike Champion, Mark Zan and Ryan Schucroft (Woodfibre LNG)**	**Date: 24 Apr 2026**
From:	**Holly Pelletier, Cheng Kuang and Patrick Muller (Lorax)**	**Project #: A825-1**
Subject:	**PE-111578 Weekly Discharge and Compliance Report #110 for April 12 – 18**	

Waste Discharge Authorization (WDA) Effluent Permit PE-111578 was issued by the British Columbia Energy Regulator (BCER) to Woodfibre LNG on February 9, 2024. The associated WDA discharge and compliance monitoring program is conducted by on-site Environmental Monitors (Roe Environmental) that are sub-contracted to the civil works contractor (LB LNG). Analytical samples are submitted by Roe Environmental to ALS Environmental in Burnaby, BC, for testing. Lorax Environmental Services Ltd. (Lorax) provides water quality database management and WDA compliance reporting services to Woodfibre LNG.

This technical memorandum (Report #110) was prepared by Lorax and summarizes WDA monitoring conducted for the period of April 12 – 18. Monitoring data and pending results from prior monitoring periods available at the time of reporting are tabulated and included as appendices to this memorandum. Report #110 has been prepared to meet the requirements specified in Condition 4.2 of PE-111578:

> "The Permittee shall summarize the results of the discharge and compliance monitoring program in a report that shall be submitted to the BCER weekly over the term of this permit. Reports must include suitable tabulated data. The table must include any applicable regulatory limits/guidelines e.g. permit limits, BC Water Quality Guidelines etc. Any exceedances of respective regulatory limits/guidelines must be clearly highlighted. Any missed sampling events/missing data must be identified with an explanation provided. Reporting frequency may be reduced upon a history of compliance and by written confirmation from the BCER. These reports shall be submitted to Waste.Management@bc-er.ca. A copy of the reports shall be provided to each First Nation consulted with regarding this subject permit, and also made publicly available on the Woodfibre LNG Environmental Reporting webpage."

Site layout and water management figures and site images are included in Appendix A. Monitoring results are tabulated in Appendix B through Appendix G for contact water, treated water and receiving environment samples.

1. Current Conditions

1.1 Water Management Infrastructure

The Construction Phase of the Woodfibre LNG Export Facility commenced in October 2023. Shoring works along the foreshore areas were initiated in December 2023, and construction of water management infrastructure commenced in early 2024. Land-based construction occurs within two water management areas east and west of Mill Creek, referred to as the east and west catchments, respectively. Non-contact water is intercepted and diverted around the construction areas to Howe Sound and Mill Creek. Stormwater runoff collected within the east and west catchment areas (7.12 and 5.92 ha, respectively) is managed as site contact water and is conveyed to the East Wastewater Treatment Plant (WWTP) for treatment, or to the East and West Sedimentation Ponds for settling of suspended particulate prior to discharge. Intermittent discharge to Howe Sound from the East and West Sedimentation Ponds commenced April and October 2024, respectively.

Non-contact water from the slopes above and outside the Woodfibre LNG construction area is intercepted by diversion ditches and conveyed to Howe Sound or Mill Creek. Diversion ditches for the west catchment convey water to Mill Creek at station OUT-06, or to Howe Sound at station OUT-02 (Appendix A, Figure 1). During heavy precipitation, non-contact water is also conveyed to Howe Sound via station OUT-01. East of Mill Creek, non-contact water is intercepted and diverted around the east catchment along pre-existing road ditches that flow to East Creek or Mill Creek and through Outfall 13 (OUT-13). The diversion ditch connected to Outfall 11 (OUT-11) is not yet constructed; therefore, Outfall 11 is not in use. The lower reach of East Creek discharges to Howe Sound through Outfall 12 (OUT-12).

The contact water conveyance ditches described in PE- 111578 were designed to transport non-contaminated contact water (*i.e.*, stormwater) to the East and West Sedimentation Ponds and will be constructed following completion of site preparation activities (*e.g.*, site grading, bedrock excavation) along the ditch lines. Until the ditches are operational, contact waters within the catchments are managed to remain on site using a system of berms, sumps, temporary ditches and baker tanks for intermediate storage and are then directed to the East WWTP for treatment, or the East and West Sedimentation Ponds prior to re-use or discharge.

The East and West WWTPs were commissioned to treat contaminated contact water in April and August 2024, respectively. The installed treatment capacities are 1,080 m^3/day (East WWTP) and 120 m^3/day (West WWTP). Lower than expected volumes of contaminated contact water have been encountered during construction; therefore, operation of the West WWTP has been suspended since September 25, 2024, and all contaminated contact waters are directed to the East WWTP for treatment. Treated effluent is generally directed to the East Sedimentation Pond. Occasionally the East WWTP effluent is discharged to Howe Sound at authorized discharge location SP-E-OUT.

Discharge from the East and West Sedimentation Ponds is controlled using pumps. Sedimentation pond effluent is pumped to the 2700GPM TSS settling system to remove TSS prior to discharge. Each sedimentation pond has an associated authorized discharge location (stations SP-E-OUT and SP-W-OUT) with an initial dilution zone (IDZ) where discharged water mixes with Howe Sound surface waters. The IDZ is defined in PE-111578 and extends in a 150 m radius from each point of discharge into Howe Sound. Since June 2025, surplus contact water in the East Sedimentation Pond is directed to the West Sedimentation Pond for storage or discharge, and discharge of clarified non-contaminated contact water to Howe Sound generally only occurs from the West Sedimentation Pond.

The flocculant-based 2700GPM TSS settling system has an installed capacity to clarify 14,700 m^3/day of contact water and consists of six parallel treatment trains (Trains 1 to 6), each with an installed capacity of 2,450 m^3/day. A staged commissioning of the 2700GPM system began June 2025 and was completed November 2025. Only one train is operated when contact water flows are low. Additional trains are activated as needed to match the influent volumes. Some of the TSS-clarified water may be recirculated back to the ponds or re-used for construction purposes (*e.g.*, dust suppression).

The construction phase water management layout and monitoring stations are shown in Appendix A, Figure 1. Contact water collection and dewatering locations and photographs of the sedimentation ponds are shown in Appendix A, Figure 2 through Figure 5.

1.2 Weather and Water Management

Variable weather conditions were observed during the April 12 – 18 monitoring period, with precipitation recorded on April 12 (0.6 mm), April 13 (1.6 mm) and April 14 (53.4 mm). The total precipitation amount during the monitoring period was 55.6 mm. The daily weather conditions are summarized in Table 1.

Table 1:
Summary of Certified Project Area (CPA) Daily Weather Conditions.

Date	Precipitation (mm)	Max. Temp (°C)	Min. Temp (°C)	Weather Description
2026-04-12	0.6	15.5	8.4	Mix of Sun and Cloud
2026-04-13	1.6	13.3	8.7	Overcast
2026-04-14	53.4	9.0	4.2	Rain
2026-04-15	0	10.1	2.0	Overcast
2026-04-16	0	12.5	1.3	Mix of Sun and Cloud
2026-04-17	0	14.0	2.7	Sunny
2026-04-18	0	16.8	4.5	Sunny

Note: Data retrieved from the Woodfibre on-site weather station operated by Stantec.

From April 12 – 18, the East Sedimentation Pond received water from the M09 Sump, the MOF Sump, the 6403 Sump, and recirculated effluent from the East WWTP (Appendix A, Figure 2). No water from the East Sedimentation Pond was transferred to the West Sedimentation Pond from April 12 – 18 (Appendix B, Table B-2).

Routine operation of the East WWTP continued during the monitoring period (April 12 – 18). Concrete contact water was periodically directed to the East WWTP for treatment, as well as water stored in the East Sedimentation Pond (Appendix A, Figure 2 and Figure 3). East WWTP treated effluent was discharged to the East Sedimentation Pond each day during the monitoring period (April 12 – 18) except on April 12 as the East WWTP was not operated. Daily water volumes processed by the East WWTP are provided in Appendix B (Table B-2).

From April 12 – 18, the West Sedimentation Pond received water from the Area 4100 Sump as well as recirculated effluent from the 2700GPM TSS settling system (Appendix A, Figure 3). West Sedimentation Pond effluent was clarified through the 2700GPM system on April 14 – 18 and clarified effluent was either recirculated back to the pond or intermittently discharged to Howe Sound. A total of 3,586 m^3 of clarified effluent was intermittently discharged to Howe Sound from station SP-W-OUT on April 14, 15 and 18. Clarified effluent was not reclaimed for construction use. Daily clarified effluent volumes from the 2700GPM TSS settling system recirculated to the West Sedimentation Pond or discharged to Howe Sound are provided in Appendix C (Table C-4).

2. Monitoring Summary

The locations of PE-111578 monitoring stations are shown on Figure 1. Monitoring is conducted by the on-site Environmental Monitors (Roe Environmental). Analytical samples are submitted by Roe Environmental to ALS Environmental in Burnaby, BC for testing.

The following PE-111578 and supplementary monitoring stations are currently being monitored:

- Non-contact diversion ditch outlet monitoring stations (OUT-01, OUT-02 and OUT-06).
- Creek water monitoring stations for Woodfibre, Mill and East Creek (SW-01, SW-02, SW-03, SW-04, SW-07).
- Contact water monitoring locations (SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN, WWTP-E-OUT, SP-W-IN, 2700GPM-IN, and 2700GPM-OUT).
- Supplementary contact water stations at the outlet of each sampling train. These samples are identified as W2700T#-OUT (with # equal to the train number).
- Effluent compliance stations (SP-E-OUT and SP-W-OUT). As described in Section 1.1, when there is surplus water, West Sedimentation Pond clarified effluent from the individual 2700GPM trains is directed to SP-W-OUT for discharge. From late September to early December 2025, SP-W-OUT was sampled from the discharge manhole. From December 1 to 8, a pipe manifold was installed that combines effluent from the individual trains into a single discharge line and is configured with a sampling port. Since December 8, samples have been collected at the sampling port or at the outfall.
- Howe Sound reference and IDZ monitoring stations (WQR1, WQR2, IDZ-E1, IDZ-E2, IDZ-W1, and IDZ-W2).

The diversion ditch outlet at Outfall 11 (OUT-11) does not receive water and will not be monitored until it is operational.

The influent culverts for East and West Sedimentation Ponds are not operational and the associated influent stations defined in PE-111578 (SP-E-IN-1, SP-E-IN-2, SP-W-IN-1 and SP-W-IN-2) have been replaced with temporary influent monitoring stations SP-E-IN and SP-W-IN (East and West Sedimentation Pond, respectively) located in-pond, at the influent end of each pond.

A flocculant-based TSS settling system (2700GPM) is used at the West Sedimentation Pond as described in Section 1.1. Influent and effluent are monitored at stations 2700GPM-IN and 2700GPM-OUT, respectively. The 2700GPM-OUT station represents the combined discharge line from all six individual treatment trains when clarified effluent is directed to the West Sedimentation Pond and is equivalent to the SP-W-OUT station. At times when only one 2700GPM treatment train is operated, the 2700GPM-OUT sample may be collected at the outlet of that train. Monitoring of the individual 2700GPM settling system treatment trains is supplemental to the PE-111578 monitoring requirements and is conducted at the discretion of field staff.

Water quality was monitored at stations OUT-01, OUT-02, SW-01, SW-02, SW-03, SW-04, SW-07, IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1, WQR2, SP-E-IN, WWTP-E-IN, WWTP-E-OUT, SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700T1-OUT, and W2700T2-OUT during the monitoring period (April 12 – 18). Sampling dates and parameters tested are summarized in Table 2.

Overall, the PE-111578 monitoring requirements that were applicable during the monitoring period (April 12 – 18) were met. The initial high frequency monitoring requirements outlined in effluent permit PE-111578 for the sedimentation ponds, WWTP and IDZ stations have been met. On June 25, 2025, BCER approved the implementation of low-frequency (*i.e.,* bi-monthly and monthly) monitoring requirements specified in PE-111578 for all parameters, except for metals, hexavalent chromium, and methylmercury, which continue to be monitored weekly at sedimentation pond and WWTP stations.

Daily field parameters and a weekly analytical sample were not collected at the east catchment effluent compliance station (SP-E-OUT) as there was no discharge to Howe Sound from the East Sedimentation Pond during the monitoring period (April 12 – 18). Daily field measurements for East WWTP influent and effluent stations (WWTP-E-IN and WWTP-E-OUT, respectively) were not collected on April 12 as the East WWTP was not operational that day. Daily field parameters were not collected at the west catchment effluent compliance station (SP-W-OUT) on April 12, 13, 16 and 17 as there was no discharge to Howe Sound from the West Sedimentation Pond on those days. Daily field parameters and a weekly analytical sample were not collected at the influent and effluent stations of the West WWTP (WWTP-W-IN and WWTP-W-OUT, respectively) as it was not operational during the monitoring period (April 12 – 18).

Table 2:
Summary of PE-111578 Monitoring Samples Collected April 12 – 18.

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
April 12, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
April 13, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	OUT-02	Non-contact water diversion ditch	Field, Physical & General Parameters, Total and Dissolved and Methylmercury.	M, M_5
April 14, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the SP-W-OUT outfall structure	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the manifold that combines effluent from the individual 2700GPM trains into a single discharge line configured with a SP-W-OUT sampling port	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	P
	W2700T1-OUT	2700GPM TSS settling system at the outlet of Train 1	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	P
	W2700T2-OUT	2700GPM TSS settling system at the outlet of Train 2		
April 15, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	WWTP-E-IN	East WWTP at the influent meter box	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the SP-W-OUT outfall structure	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
	SW-02	Lower Reach of Mill Creek (upstream of the third bridge)	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	SW-03	Mill Creek Estuary		
	SW-07	Upstream Mill Creek (at the diversion inlet)		
	OUT-01	Non-contact water diversion ditch	Field, Physical & General Parameters, Total and Dissolved and Methylmercury.	M, M_5
	IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
	IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
	IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
	IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
	IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
	WQR2-0.5	Reference site 2; 0.5 m below surface		
	WQR2-2m	Reference site 2; 2 m below surface		
	WQR2-SF	Reference site 2; 2 m above the seafloor		
April 16, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
	SW-01	Lower Reach of Woodfibre Creek (near the mouth)	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)		
	IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	IDZ-E1-2m	Howe Sound IDZ station E1; 2 m below surface		
	IDZ-E1-SF	Howe Sound IDZ station E1; 2 m above the seafloor		
	IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
	IDZ-E2-2m	Howe Sound IDZ station E2; 2 m below surface		
	IDZ-E2-SF	Howe Sound IDZ station E2; 2 m above the seafloor		
	WQR1-0.5	Reference site 1; 0.5 m below surface		
	WQR1-2m	Reference site 1; 2 m below surface		
	WQR1-SF	Reference site 1; 2 m above the seafloor		

Table 2 (continued):
Summary of PE-111578 Monitoring Samples Collected April 12 – 18.

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
April 17, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
April 18, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the SP-W-OUT outfall structure	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P

Notes:
Monitoring frequency requirements under PE-111578 are indicated as follows:
D – daily monitoring of field parameters at WWTP and sedimentation pond influent and effluent stations.
M – monthly monitoring for all parameters at WWTP, sedimentation pond and receiving environment stations. Monthly monitoring for General parameters, except ammonia, nitrate and nitrite (*i.e.*, nitrogen species) are monitored weekly during blasting season.
M_2 – bi-monthly monitoring for physical parameters at WWTP and sedimentation pond stations.
M_5 – spring high-frequency (5-in-30) sampling for receiving environment stations.
W – weekly monitoring for metals, chromium speciation and methylmercury at WWTP and sedimentation pond influent and effluent stations, effective June 25, 2025.
P – periodic monitoring for targeted parameters that is supplementary to PE-111578 requirements.

3. Water Quality Results

3.1 Summary of Reported Results

Analytical results and associated field measurements included in this weekly report (Report #110) are listed below in Table 3, with additional field measurements presented in Table B-1 (Appendix B) and Table C-3 (Appendix C). Testing for methylmercury, dioxins, furans and toxicity may require four weeks or longer to complete. Analytical results not reported will be included in future weekly reports. Reporting of results is pending for the following samples and parameters:

- IDZ-W1, IDZ-W2 and WQR2 collected March 23 (dioxins and furans);
- IDZ-E1, IDZ-E2 and WQR1 collected March 27 (dioxins and furans);
- IDZ-W1, IDZ-W2 and WQR2 collected March 28 (dioxins and furans);
- IDZ-E1, IDZ-E2 and WQR1 collected April 2 (dioxins and furans);
- IDZ-W1, IDZ-W2 and WQR2 collected April 3 (dioxins and furans);
- OUT-02 collected April 5 (total mercury and methylmercury);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected April 6 (dioxins and furans);
- SP-W-IN, SP-W-OUT and 2700GPM-IN collected April 7 (dioxins and furans);
- SW-02, SW-03 and SW-07 collected April 8 (total mercury, methylmercury, dioxins and furans);
- SW-01 and SW-04 collected April 9 (total mercury, methylmercury, dioxins and furans);
- IDZ-W1, IDZ-W2 and WQR2 collected April 9 (total mercury, methylmercury, dioxins and furans);
- IDZ-E1, IDZ-E2 and WQR1 collected April 10 (total mercury, methylmercury, dioxins and furans);
- OUT-02 collected April 13 (field and all analytical parameters);
- SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700T1-OUT and W2700T2-OUT collected April 14 (total mercury, methylmercury, dioxins and furans);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected April 15 (all analytical parameters);
- SW-02, SW-03 and SW-07 collected April 15 (field and all analytical parameters);
- OUT-01 collected April 15 (field and all analytical parameters);
- IDZ-W1, IDZ-W2 and WQR2 collected April 15 (field and all analytical parameters);

- SW-01 and SW-04 collected April 16 (field and all analytical parameters);
- IDZ-E1, IDZ-E2 and WQR1 collected April 16 (field and all analytical parameters).

Table 3:
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #110.

Sample	Description	Sampling Date	Parameters Reported
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	March 16, 2026	Dioxins and Furans.
IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
WQR2-0.5	Reference site 2; 0.5 m below surface		
WQR2-2m	Reference site 2; 2 m below surface		
WQR2-SF	Reference site 2; 2 m above the seafloor		
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	March 22, 2026	Dioxins and Furans.
IDZ-E1-2m	Howe Sound IDZ station E1; 2 m below surface		
IDZ-E1-SF	Howe Sound IDZ station E1; 2 m above the seafloor		
IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
IDZ-E2-2m	Howe Sound IDZ station E2; 2 m below surface		
IDZ-E2-SF	Howe Sound IDZ station E2; 2 m above the seafloor		
WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR1-2m	Reference site 1; 2 m below surface		
WQR1-SF	Reference site 1; 2 m above the seafloor		
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	March 27, 2026	Total Mercury and Methylmercury.
IDZ-E1-2m	Howe Sound IDZ station E1; 2 m below surface		
IDZ-E1-SF	Howe Sound IDZ station E1; 2 m above the seafloor		
IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
IDZ-E2-2m	Howe Sound IDZ station E2; 2 m below surface		
IDZ-E2-SF	Howe Sound IDZ station E2; 2 m above the seafloor		
WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR1-2m	Reference site 1; 2 m below surface		
WQR1-SF	Reference site 1; 2 m above the seafloor		
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	March 28, 2026	Total Mercury and Methylmercury.
IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
WQR2-0.5	Reference site 2; 0.5 m below surface		
WQR2-2m	Reference site 2; 2 m below surface		
WQR2-SF	Reference site 2; 2 m above the seafloor		
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	April 2, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs and Methylmercury.
IDZ-E1-2m	Howe Sound IDZ station E1; 2 m below surface		
IDZ-E1-SF	Howe Sound IDZ station E1; 2 m above the seafloor		
IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
IDZ-E2-2m	Howe Sound IDZ station E2; 2 m below surface		
IDZ-E2-SF	Howe Sound IDZ station E2; 2 m above the seafloor		
WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR1-2m	Reference site 1; 2 m below surface		
WQR1-SF	Reference site 1; 2 m above the seafloor		
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	April 3, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs and Methylmercury.
IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
WQR2-0.5	Reference site 2; 0.5 m below surface		
WQR2-2m	Reference site 2; 2 m below surface		
WQR2-SF	Reference site 2; 2 m above the seafloor		
OUT-02	Non-contact water diversion ditch outlet	April 5, 2026	Field, Physical and General Parameters, Total and Dissolved Metals.

Table 3 (continued):
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #110.

Sample	Description	Sampling Date	Parameters Reported
SW-02	Lower Reach of Mill Creek (upstream of the third bridge)	April 8, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, and PAHs.
SW-03	Mill Creek Estuary		
SW-07	Upstream Mill Creek (at the diversion inlet)		
SW-01	Lower Reach of Woodfibre Creek (near the mouth)	April 9, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, and PAHs.
SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)		
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface		
IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
WQR2-0.5	Reference site 2; 0.5 m below surface		
WQR2-2m	Reference site 2; 2 m below surface		
WQR2-SF	Reference site 2; 2 m above the seafloor		
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	April 10, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, and PAHs.
IDZ-E1-2m	Howe Sound IDZ station E1; 2 m below surface		
IDZ-E1-SF	Howe Sound IDZ station E1; 2 m above the seafloor		
IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
IDZ-E2-2m	Howe Sound IDZ station E2; 2 m below surface		
IDZ-E2-SF	Howe Sound IDZ station E2; 2 m above the seafloor		
WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR1-2m	Reference site 1; 2 m below surface		
WQR1-SF	Reference site 1; 2 m above the seafloor		
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	April 14, 2026	Field, Physical and General Parameters, Total and Dissolved Metals and Hexavalent Chromium.
SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the SP-W-OUT outfall structure		
SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the manifold that combines effluent from the individual 2700GPM trains into a single discharge line configured with a SP-W-OUT sampling port		
2700GPM-IN	2700GPM TSS settling system at the influent meter box		
W2700T1-OUT	2700GPM TSS settling system at the outlet of Train 1		
W2700T2-OUT	2700GPM TSS settling system at the outlet of Train 2		

3.2 Screening and Reporting Overview

Water quality and flow monitoring results are screened against operational minimum discharge objectives (MDOs) for the East WWTP, and PE-111578 discharge limits for sedimentation pond and 2700GPM TSS settling system stations. The East WWTP MDOs were set equal to Canadian Council of Ministers of the Environment (CCME) water quality guidelines (WQGs) and the PE-111578 discharge limits. Contact and non-contact water monitoring results are also screened against Canadian (Canadian Council of Ministers of the Environment, CCME), Federal (Environment and Climate Change Canada, ECCC) and BC water quality guidelines (WQGs). All water quality data are recorded in the Woodfibre LNG environmental monitoring database. However, for brevity, a sub-set of the results are presented in the weekly report appendices. Results are reported for parameters with a freshwater, estuarine or marine water quality guideline for the protection of aquatic life, parameters with a discharge limit, parameters of potential concern (*i.e.*, dioxins and furans) as well as other parameters that are relevant for water quality interpretation.

It is expected that samples of contact water and samples collected within the IDZ (*i.e.*, mixing zone) defined in PE-111578 for the authorized discharge locations may have parameter concentrations above baseline or background (*i.e.*, reference station) concentrations due to project influence. As well, for receiving environment samples, parameter concentrations above a WQG value but within the range of values observed in the baseline monitoring program are considered to represent the background conditions of the water.

The values used for screening are listed in the water quality tables provided in the appendices. Results above a screening value are highlighted in the tables. Samples collected from sedimentation pond effluent that is discharged to Howe Sound (monitored at stations SP-E-OUT and SP-W-OUT) are evaluated for non-compliance to PE-111578 discharge limits. Exceedances in contact water that remains on-site and is not discharged (e.g., WWTP influent and effluent, sedimentation pond influent, TSS settling system influent, and TSS settling system effluent that is recirculated) are screened for comparison purposes only, and exceedances in these samples do not represent non-compliance to the PE-111578 conditions.

Canadian, Federal and BC WQGs are not specified for dioxins and furans. The general term “dioxins and furans” refers to a total of 210 polychlorinated dibenzo-*p*-dioxin (PCDD) and polychlorinated dibenzofuran (PCDF) compounds. A sub-set of 17 of the most toxic PCDDs and PCDFs are typically evaluated for toxicity by converting the individual parameter concentrations to toxic equivalent (TEQ) values that are summed and evaluated as a single PCDD/F TEQ parameter. To address uncertainties for results reported as not detected, two PCDD/F TEQ values are reported. A “lower-bound PCDD/F TEQ” is calculated assuming a concentration of zero for results reported as not detected, therefore, if all 17 of the individual compounds in the sub-set are

not detected the lower-bound PCDD/F TEQ will equal zero. An "upper-bound PCDD/F TEQ" is calculated assuming a concentration equal to the detection limit for results reported as not detected. These two parameters span the range of possible TEQs if one or more of the PCDDs and PCDFs are reported as not detected.

The BC WQG for total mercury is a sample-specific calculated value that is based on the concentration of methylmercury in a sample. Although an approved BC WQG for the protection of aquatic life for methylmercury has not been explicitly established, the BC Ambient Water Quality Guidelines for Mercury Overview Report indicates the total mercury WQG is derived from a methylmercury concentration threshold of 0.0001 µg/L (0.1 ng/L) that is set at a concentration that protects fish from mercury bioaccumulation to levels that could harm wildlife that consumes fish. Therefore, if methylmercury results are reported, the 0.0001 µg/L value is presented as a WQG to support the interpretation of methylmercury results.

A summary of reported and pending results is provided in Section 3.1. Results for effluents from East WWTP, 2700GPM TSS settling system, and East and West Sedimentation Ponds are discussed in Section 3.3 and Section 3.4, respectively. The water quality monitored at non-contact water diversion ditch outlets and in the receiving environment is described in Section 3.5 to Section 3.7. Sediment samples are collected annually at stations IDZ-E-SED and IDZ-W-SED and are discussed in Section 3.7 when they are reported. Sediment samples were last collected July 2025 and the analytical results were presented in Report #82.

3.3 East Catchment

The east catchment water quality and flow monitoring results for stations at the East WWTP, the East Sedimentation Pond, and the authorized discharge location (SP-E-OUT) are discussed in this section and are tabulated in Appendix B.

Results are presented for field measurements of influent quality for the East Sedimentation Pond and East WWTP influent and effluent quality collected April 12 – 18 (stations SP-E-IN, WWTP-E-IN and WWTP-E-OUT). Analytical results were not available at the time of reporting.

Field measurements for the East WWTP effluent samples (WWTP-E-OUT) collected April 12 – 18 met MDOs except for dissolved oxygen on April 13 (Appendix B, Table B-1).

East WWTP effluent was directed to the East Sedimentation Pond and there was no discharge from the pond to Howe Sound from April 12 – 18 (Section 1.2; Table B-2 of Appendix B). Therefore, water quality samples and field measurements were not collected at the SP-E-OUT discharge location.

3.4 West Catchment

The west catchment water quality monitoring results for stations at the West Sedimentation Pond, the 2700GPM TSS settling system, and the authorized discharge location (SP-W-OUT) are discussed in this section and are tabulated in Appendix C. Operation of the West WWTP is suspended (refer to Section 1.1) and monitoring results are therefore not available for the stations at this facility.

As discussed in Section 1.2, a total of 3,587 m^3 of clarified sedimentation pond effluent from the 2700GPM TSS Settling System was intermittently discharged to Howe Sound from SP-W-OUT on April 14, 15 and 18.

Results are presented for field measurements of influent and effluent quality for the West Sedimentation Pond and the 2700GPM TSS settling system collected April 12 – 18, as well as analytical samples collected April 14 (stations SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700T1-OUT and W2700T2-OUT).

Field measurements collected April 12 – 18 and the analytical samples collected from the W2700GPM TSS settling system effluent, the SP-W-OUT sampling port and the SP-W-OUT outfall structure on April 14 met PE- 111578 discharge limits and WQGs except for total copper in the sample collected at the SP-W-OUT sampling port (Table 4; Appendix C, Table C- 2 and Table C-3). The sampling port is located between the 2700GPM effluent sampling stations and the SP-W-OUT outfall structure. Following the investigation of a February 9, 2026, total copper exceedance in a sample collected from the SP-W-OUT sampling port, protocols were established to collect concurrent samples at the sampling port and the downstream outfall structure. The reported results for the April 14 samples collected at stations W2700T1-OUT, W2700T2-OUT, SP-W-OUT-Outfall show total copper concentrations that are consistently below the discharge limit, indicating the sampling port sample (SP-W-OUT-Port) does not represent effluent quality discharged to Howe Sound on April 14. This item is being tracked in Table 5. Based on the results from the W2700GPM effluent stations and SP-W-OUT-Outfall, the effluent discharged from SP-W-OUT on April 14 is considered to have met discharge limits for all parameters.

Table 4:
Summary of Parameters Exceeding PE-111578 Discharge Limits in Effluent Collected from the SP-W-OUT Sampling Port for Analytical Results Available at the Time of Reporting

Parameter	Units	Discharge Limit	N	N >Limit	Commentary
Total Copper	mg/L	0.0043	1	1	The SP-W-OUT sampling port is being monitored as part of an investigation following the total copper exceedance of the PE-111578 discharge limit on February 9, 2026, which indicated the sampling port may not represent discharge quality. Therefore, the SP-W-OUT outfall station has been monitored concurrently since that time and is considered an appropriate station for evaluating compliance to PE-111578 discharge limits. The total copper concentration from the sampling port station on April 14 was 0.0144 mg/L, above the PE-111578 discharge limit. Total copper monitoring data on April 14 from downstream of the sampling port at the SP-W-OUT outfall (0.00079 mg/L) and in clarified effluent from W2700GPM trains 1 and 2 upstream of the sampling port (0.00092 and 0.00104 mg/L, respectively) met the PE-111578 discharge limit. The reported results for the April 14 samples indicate the sampling port sample (SP-W-OUT-Port) does not represent effluent quality discharged to Howe Sound on April 14.

N = number of samples.

3.5 Non-Contact Water Diversion Ditch Outlets

Analytical results were available at the time of reporting for the non-contact water diversion ditch outlet sample collected at station OUT-02 on April 5 (as discussed in Report #109). The analytical results, field parameters, and WQGs are summarized in Appendix D.

Parameter concentrations met WQGs except total aluminum and dissolved copper. Total aluminum (0.111 mg/L) was above the long-term WQG, and dissolved copper (0.00063 mg/L) was above the short- and long-term WQGs at OUT-02 on April 5. The total aluminum and dissolved copper concentrations measured at OUT-02 are within the range of values observed during the pre-construction baseline monitoring of diversion ditch water quality (0.0833 to 0.433 mg/L for total aluminum and 0.00020 to 0.00095 mg/L for dissolved copper).

3.6 Freshwater and Estuarine Water Receiving Environment

Analytical results were available at the time of reporting for freshwater and estuarine water samples collected at the Mill Creek estuary, mid-stream and background stations (SW-03, SW-02 and SW-07, respectively) on April 8 as well as near the mouth of Woodfibre Creek and East Creek (stations SW-01 and SW-04, respectively) on April 9 (as discussed in Report #109). The analytical

results, field parameters, and WQGs are summarized in Appendix E (freshwater) and Appendix F (estuarine water).

Parameter concentrations met WQGs except fluoride, total aluminum, and dissolved copper in some of the freshwater samples (Appendix E, Table E-1). Fluoride was above the long-term WQG in the sample collected from East Creek (0.294 mg/L). Total aluminum was above the long-term WQG in samples collected from Woodfibre Creek, East Creek and the background station on Mill Creek (0.153, 0.621 and 0.0763 mg/L, respectively). Dissolved copper was above the long-term WQG in the sample collected from the background station on Mill Creek (0.00030 mg/L).

The total aluminum concentration measured in Woodfibre Creek (SW-01) on April 9 (0.153 mg/L) is within ranges observed in the pre-construction baseline monitoring program (0.0379 to 0.294 mg/L) or within ranges observed at the background station for Woodfibre Creek (0.0428 to 0.250 mg/L).

The total aluminum and fluoride concentrations measured in East Creek (SW-04) on April 9 (0.621 mg/L and 0.294 mg/L, respectively) are above the upper ranges observed in the pre-construction baseline monitoring program and above ranges observed at the background station for East Creek (Table 5). The corresponding dissolved aluminum concentration (0.576 mg/L) and low TSS concentration (3.7 mg/L) indicate that aluminum is predominantly in the dissolved form of the metal. Potential sources of aluminum and fluoride to East Creek will be reviewed. This item is tracked in Table 6.

Raised detection limits were reported for all total metals for the Mill Creek Estuary sample (station SW-03) collected April 8, and the raised detection limit for total copper (<0.00250 mg/L) and total zinc (<0.0150 mg/L) were above the long-term WQGs (0.002 and 0.010 mg/L, respectively). A laboratory re-analysis has been requested to achieve a lower detection limit. This item is tracked in Table 6.

Table 5:
Summary of Parameters Exceeding WQGs and Above Baseline Ranges for East Creek Station SW-04 for Field and Analytical Results Available at the Time of Reporting

Parameter	Units	WQG[1]	N	N >WQG	Commentary
Total Aluminum	mg/L	0.175	1	1	Total aluminum measured in East Creek (SW-04) on April 9 (0.621 mg/L) was 3.5 times greater than the WQG. The total aluminum concentration was 2.4 times greater than the maximum concentration observed in the pre-construction baseline monitoring program at East Creek (0.264 mg/L).
Fluoride	mg/L	0.12	1	1	Fluoride measured in East Creek (SW-04) on April 9 (0.294 mg/L) was 2.5 times greater than the WQG. The fluoride concentration was 2.9 times greater than the maximum concentration observed in the pre-construction baseline monitoring program at East Creek (<0.1 mg/L).

N = number of samples.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal (ECCC) WQGs.

3.7 Marine Water Receiving Environment

Analytical results and field measurements were available at the time of reporting for marine water samples collected at 0.5 and 2 m below the water surface and 2 m above the seafloor on April 2 (stations IDZ-E1, IDZ-E2 and WQR1), April 3 (stations IDZ-W1, IDZ-W2 and WQR2), April 9 (stations IDZ-W1, IDZ-W2 and WQR2) and April 10 (stations IDZ-E1, IDZ-E2 and WQR1), as discussed in Reports #108 and #109. The analytical results, field parameters, and WQGs are summarized in Appendix G.

Parameter concentrations met WQGs except dissolved oxygen and total boron in some samples (Appendix G; Table G-1 through Table G-7). Dissolved oxygen ranged from 6.05 to 7.80 mg/L and was below the lower limit of the WQG (8 mg/L) in all samples collected at 2 m above the seafloor, except at IDZ-W1 and WQR2 on April 3, and in the sample collected at 2 m below the surface at IDZ-E2 on April 10. Total boron was above the WQG (1.2 mg/L) and ranged from 1.32 to 4.17 mg/L in all marine water samples except at 0.5 m below the surface at IDZ-W1 and IDZ-E2 on April 9 and 10, respectively.

Low concentrations of dissolved oxygen and elevated concentrations of total boron are indicative of influence from the deeper saline waters in the northern basin of Howe Sound and are a natural condition of marine water at the WDA monitoring stations. The dissolved oxygen and total boron concentrations observed at the IDZ monitoring stations are within concentration ranges that have been observed in the pre-construction baseline monitoring program (2.44 to 13.8 mg/L for dissolved oxygen and 0.0893 to 8.38 mg/L for total boron) or within ranges observed at marine reference stations (2.44 to 12.11 mg/L for dissolved oxygen and 0.114 to 8.38 mg/L for total boron).

Methylmercury analytical results were available at the time of reporting for all marine water samples collected March 27 (stations IDZ-E1, IDZ-E2 and WQR1), March 28 (stations IDZ-W1, IDZ-W2 and WQR2), April 2 (stations IDZ-E1, IDZ-E2 and WQR1) and April 3 (stations IDZ-W1, IDZ-W2 and WQR2), as discussed in Reports #107 and #108, respectively. For all samples, methylmercury concentrations ranged from <0.000020 to 0.000058 µg/L and met the WQG. The corresponding total mercury results met WQGs. Results are tabulated in Appendix G, Table G-7.

Dioxin and furans results were available at the time of reporting for marine samples collected at 0.5 and 2 m below the water surface and 2 m above the seafloor on March 16 (stations IDZ-W1, IDZ-W2 and WQR2) and March 22 (stations IDZ-E1, IDZ-E2 and WQR1), as discussed in Reports #106 and #107. For all samples, the lower bound PCDD/F TEQ concentrations ranged from 0 to 0.594 pg/L and the upper bound PCDD/F TEQ concentrations ranged from 1.25 to 3.20 pg/L. The lower and upper bound PCDD/F TEQ concentrations were within the concentration ranges observed in the pre-construction baseline monitoring program (0 to 2.64 pg/L and 0 to

7.06 pg/L, respectively) or within background ranges observed at marine reference stations (0 to 0.941 pg/L and 0.499 to 5.65 pg/L, respectively). Results are tabulated in Appendix G, Table G-8.

3.8 Quality Control

This section presents the results of the quality control (QC) evaluation for the PE-111578 weekly report (Table 6). The evaluation includes a review of field and lab QC, completeness of the weekly report (*e.g.*, pending data), completeness of the monitoring program, confirmation of recordkeeping, evaluation of compliance and review of water management activities. Items flagged for follow-up in Section 3 are also tracked in Table 6. Any items flagged for follow-up are carried forward to future reports until they are closed.

Table 6:
Weekly Report QC Evaluations and Ongoing Items

QC Procedure	Observation	Investigation/Resolution
Reporting Period (April 12 – 18, Report #110)		
Authorized Works and Monitoring Program Evaluation	The authorized works and monitoring stations have not been established as described in PE-111578.	The PE-111578 authorized works for water management have been constructed, except for some of the conveyance ditches, which require completion of site grading prior to installation. Sumps, pumps and hoses are used for temporary conveyance until the ditches are completed. The lower reach of East Creek was temporarily diverted through Outfall 11 from September 17, 2024 to November 18, 2025. As November 19, 2025, East Creek flows have been returned to the lower Channel that discharges to Howe Sound through the Outfall 12 culverts (OUT-12). The culvert at OUT-01 is being replaced and diversion water flows to OUT-01 have been redirected to OUT-02. Outfall 11 (OUT-11) has been constructed but is not in use. All monitoring stations have been established except at SP-E-IN-1, SP-E-IN-2, SP-W-IN-1 and SP- W- IN- 2 where substitute stations are established in lieu of those listed in PE-111578 (refer to Section 2). This item remains open.
Report #110: Data QC; Follow-up for February 9 Non-compliance	Total copper above the discharge limit at the SP-W-OUT sample port station.	The SP-W-OUT sampling port is being monitored as part of an investigation following the total copper exceedance of the PE-111578 discharge limit on February 9, 2026, which indicated the sampling port may not represent discharge quality. Therefore, the SP-W-OUT outfall station has been monitored concurrently since that time and is considered an appropriate station for evaluating compliance to PE-111578 discharge limits. The total copper concentration from the sampling port station on April 14 was 0.0144 mg/L, above the PE-111578 discharge limit. Total copper monitoring data on April 14 from downstream of the sampling port at the SP-W-OUT outfall (0.00079 mg/L) and in clarified effluent from W2700GPM trains 1 and 2 upstream of the sampling port (0.00092 and 0.00104 mg/L, respectively) met the PE-111578 discharge limit. The reported results for the April 14 samples indicate the sampling port sample (SP-W-OUT-Port) does not represent effluent quality discharged to Howe Sound on April 14. This item is closed.
Report #110: Potential Project Influence	Total aluminum and fluoride at East Creek above WQGs and the baseline concentration ranges.	At the East Creek station (SW-04) on April 9, total aluminum and fluoride concentrations (0.621 and 0.294 mg/L) were 3.5 and 2.5 times greater than their WQGs, and 2.4 and 2.9 times greater than the corresponding pre-construction baseline maxima (0.264 and <0.100 mg/L), respectively. Potential influences to East Creek water quality at station SW-04 are being reviewed. This item remains open.
Report #110: Pending Data	Analytical results not reported.	Field records and analytical results for non-contact water diversion ditch samples collected April 13 and 15 and for receiving environment samples collected April 15 and 16, analytical results for contact and treated water samples collected April 15, as well as total mercury, methylmercury, dioxins and furans results for contact and treated water samples collected April 14 are pending and will be included in future weekly reports when available. This item remains open.
Report #110: Data QC	Data QC	Raised detection limits were reported for all total metals for the Mill Creek Estuary (station SW-03) sample collected April 8 resulting in the raised detection limit for total copper (<0.00250 mg/L) and total zinc (<0.0150 mg/L) above the long-term WQGs (0.002 and 0.01 mg/L, respectively). A laboratory re-analysis has been requested to achieve a lower detection limit. This item remains open.
Ongoing Items from Previous Weekly Reports		
Report #98: WWTP Performance Evaluation	Hexavalent chromium above the MDO.	This item was first noted in Report #98. Hexavalent chromium concentrations ranged from 0.00081 to 0.00321 mg/L in the WWTP-E-OUT samples collected from January 20 through February 26, which were frequently above the MDO (0.0015 mg/L). Hexavalent chromium concentrations were 0.00096, 0.00076, 0.00087, <0.00050, 0.00062 and <0.00050 mg/L in the WWTP-E-OUT samples collected February 27, March 5, 10, 18, 24, and April 6 respectively, and met the MDO; however, hexavalent chromium was above the MDO on March 31 (0.00235 mg/L). The WWTP treatment performance for hexavalent chromium will continue to be evaluated in April 2026. This item remains open.
Report #106: Pending Data	Analytical results not reported.	Previously pending dioxins and furans results for receiving environment samples collected March 16 are included in Report #110. This item is closed.
Report #107: Pending Data	Analytical results not reported.	Previously pending total mercury and methylmercury results for receiving environment samples collected March 27 and 28 as well as dioxins and furans results for receiving environment samples collected March 22 are included in Report #110. Dioxins and furans results for receiving environment samples collected March 23, 27 and 28 are pending and will be included in future weekly reports when available. This item remains open.
Report #108: Pending Data	Analytical results not reported.	Previously pending field records and analytical results for receiving environment samples collected April 2 and 3 are included in Report #110. Dioxins and furans results for these samples are pending and will be included in future weekly reports when available. This item remains open.
Report #109: Pending Data	Analytical results not reported.	Previously pending field records and analytical results for the non-contact water diversion ditch sample collected April 5 and for receiving environment samples collected April 8, 9 and 10 are included in Report #110. Total mercury, methylmercury, dioxins and furans results for the non-contact water diversion ditch sample collected April 5 and for receiving environment samples collected April 8, 9 and 10 as well as dioxins and furans results for contact and treated water samples collected April 6 and 7 are pending and will be included in future weekly reports when available. This item remains open.

Notes:
Result QA/QC screening includes the evaluation of field and lab QC results, comparison of total and dissolved metal results and review for modified detection limits.
Pending data are outstanding results from monitoring samples reported in the current or previous weekly reports.
Authorized works and monitoring program evaluation is an assessment of the completeness of the authorized works and monitoring program compared to PE-111578 specified or implied requirements.
WWTP performance evaluation is an assessment of WWTP effluent quality compared to operational MDOs.
Data QC indicates an evaluation of data trends or inter-parameter relationships that suggest a test result may not be representative of water quality at the time of monitoring.
Non-compliant discharge indicates exceedance of a discharge limit or a discharge that bypasses the sedimentation pond discharge location.
Potential project influence is an assessment that water quality at creek and Howe Sound baseline stations are above the baseline concentration range and may indicate project influence at these stations.

4. Closure

This weekly report is a desktop review by Lorax of the PE-111578 discharge and compliance monitoring program records, reports and results provided by Woodfibre LNG and prime contractor McDermott International and their sub-contractors. The records reviewed and analyzed by Lorax include ALS Environmental laboratory test reports and site reports (from Roe Environmental, LB LNG, McDermott and Woodfibre LNG). Verbal or electronic communications between Lorax, and Roe Environmental, LB LNG, McDermott, and Woodfibre LNG staff are conducted as needed to confirm the information presented in this report.

Regards,

LORAX ENVIRONMENTAL SERVICES LTD.

Holly Pelletier, B.Sc., GIT.
Environmental Geoscientist

COLLEGE OF APPLIED BIOLOGISTS
Cheng Kuang
RPBio 4186
CAB

Cheng Kuang, M.Sc., RPBio.
Environmental Scientist

Professional BC Chemist
2008135
Patrick Mueller
Association of the Chemical Profession of British Columbia

Patrick Mueller, B.Sc., P.Chem.
Environmental Chemist

Appendix A:
Figures and Site Images

LEGEND

- Freshwater Monitoring Station
- Marine Water Monitoring Station
- Clean Water Diversion Discharge Station
- Sedimentation Pond Monitoring Stations (Water Quality)
- Wastewater Treatment Plant (WWTP)
- Certified Project Area
- Watercourse
- Non-Contact Ditch
- Culvert / Outfall / Pipeline
- Non-Contact Water Transfer Hose
- Bathymetry Contour (Major: 50m)
- Bathymetry Contour (Minor: 10m)

DATE SAVED:	Apr 24, 2026
DRAWN BY:	DM
REVIEWED:	PM
VERSION:	1

Coordinate System: *NAD 1983 UTM Zone 10N*
Projection: *Transverse Mercator*
Datum: *North American 1983*
Units: *Metre*

1:6,000

0 100 200 Metres

CLIENT: Woodfibre LNG

LORAX ENVIRONMENTAL

PROJECT: **Woodfibre LNG Project Construction Phase**

TITLE: Site Layout and Water Quality Monitoring Stations for PE-111578 (April 18, 2026)

PROJECT #: A825-1

FIGURE: 1

P:\@202506\Woodfibre\Drafting Figures\APRX\WLNG Weekly Report Figure\WLNG Weekly Report.aprx Figure 1 - Monitoring and Compliance Locations

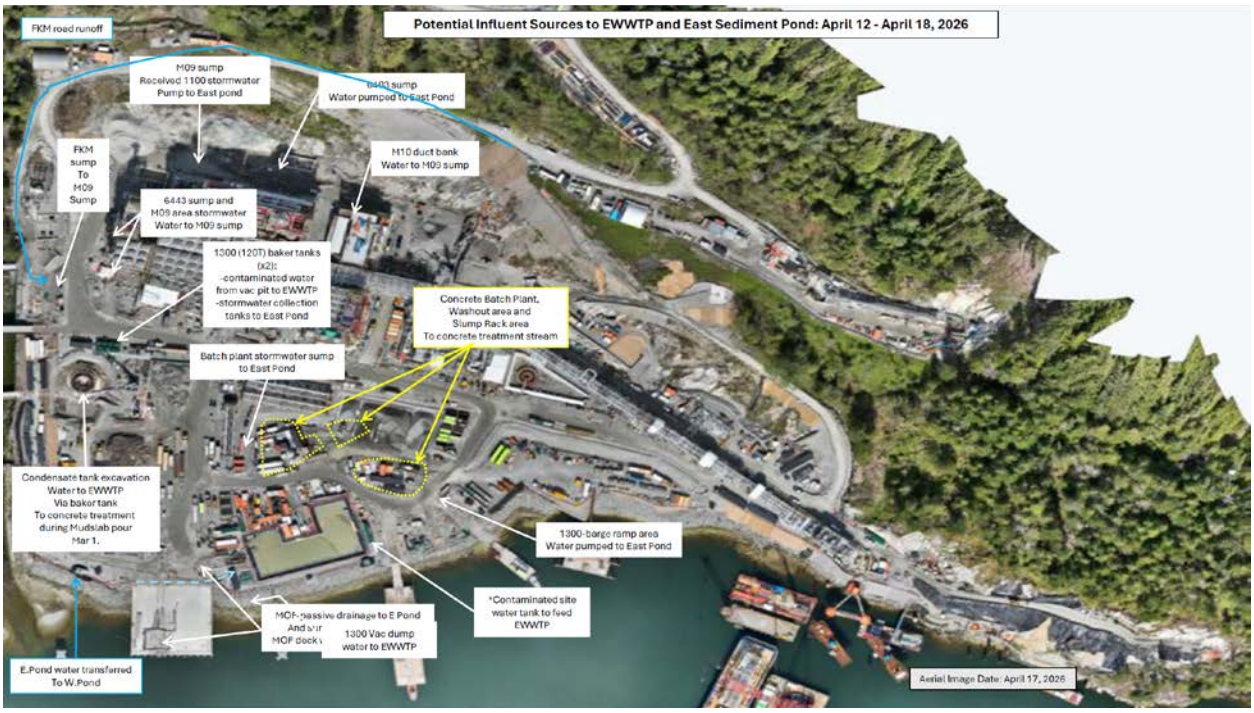

Figure 2: East Catchment contact water management facilities (April 12 – 18).

Figure 3: West Catchment contact water management facilities (April 12 – 18).

Figure 4: Aerial view of the East Sedimentation Pond (April 17, 2026). The East WWTP is located on the left side of the pond.

Figure 5: Aerial view of the West Sedimentation Pond (April 17, 2026).

Appendix B:
East Catchment Monitoring Results

Table B-1:
East Catchment Field Measurements Collected During the Monitoring Period (April 12 – 18).

Parameter			Temperature	Dissolved Oxygen (DO)	Salinity	Turbidity	Estimated TSS [3]	pH	Specific Conductivity	Visibility of Sheen
Unit			**°C**	**mg/L**	**ppt**	**NTU**	**mg/L**	**s.u.**	**µS/cm**	
PE-111578 Discharge Limit			-	-	-	-	25 or 75 [6]	5.5 - 9.0	-	-
Lowest Applicable Guideline [1]			-	≥8	-	-	- [2]	- [2]	-	-
Station ID	**Water Type**	**Date**								
Influent [4]										
SP-E-IN	Influent	2026-04-12 14:50	16.2	11.73	0.37	40.56	33.2	7.50	753	No
SP-E-IN	Influent	2026-04-13 12:20	13.1	12.10	0.39	138.1	106.0	7.70	791	No
SP-E-IN	Influent	2026-04-14 15:25	10.8	11.31	0.41	712.03	534.0	7.20	825	No
SP-E-IN	Influent	2026-04-15 10:07	12.1	10.83	0.47	174.15	132.9	6.90	945	No
SP-E-IN	Influent	2026-04-16 14:26	14.2	10.48	0.35	99.94	77.5	7.50	714	No
SP-E-IN	Influent	2026-04-17 16:59	12.7	11.23	0.36	38.43	31.7	7.30	737	No
SP-E-IN	Influent	2026-04-18 14:49	13.3	12.14	0.43	16.56	15.4	7.40	860	No
WWTP-E-IN	Influent	2026-04-13 16:21	13.8	***6.58***	0.34	147.97	113.4	8.40	695	No
WWTP-E-IN	Influent	2026-04-14 15:06	11.2	12.56	0.66	395.41	297.9	8.30	1304	No
WWTP-E-IN	Influent	2026-04-15 10:27	10.3	10.94	0.42	270.13	204.5	7.30	857	No
WWTP-E-IN	Influent	2026-04-16 14:07	10.2	10.58	0.36	123.17	94.9	7.80	732	No
WWTP-E-IN	Influent	2026-04-17 16:53	11.1	11.05	0.36	62.09	49.3	8.00	729	No
WWTP-E-IN	Influent	2026-04-18 14:55	13.0	12.68	0.37	27.04	23.2	7.70	761	No
Effluent [5]										
WWTP-E-OUT	Effluent	2026-04-13 16:30	14.0	***5.00***	0.83	3.2	5.4	6.60	1635	No
WWTP-E-OUT	Effluent	2026-04-14 15:20	12.1	11.23	0.78	4.36	6.3	6.80	1547	No
WWTP-E-OUT	Effluent	2026-04-15 10:31	11.0	11.44	0.91	2.64	5.0	6.40	1777	No
WWTP-E-OUT	Effluent	2026-04-15 16:50	10.9	11.98	0.90	3.66	5.7	7.00	1772	No
WWTP-E-OUT	Effluent	2026-04-16 14:19	11.0	11.33	0.44	7.18	8.4	6.90	881	No
WWTP-E-OUT	Effluent	2026-04-17 16:56	11.3	11.49	0.45	5.09	6.8	7.10	903	No
WWTP-E-OUT	Effluent	2026-04-18 15:10	12.4	12.33	0.46	7.68	8.7	6.90	931	No

Notes:
The east catchment did not discharge to Howe Sound during the monitoring period (April 12 – 18). Results above screening values are highlighted for comparative purposes.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
Results in orange text exceed the PE-111578 East Sedimentation Pond Discharge Limit.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] The WQG was not evaluated for parameters with discharge limits.
[3] TSS concentration is estimated from field turbidity measurements using a site-specific relationship TSS = 0.7458 * [turbidity as NTU] + 3.
[4] Daily field measurements for station SP-E-IN were collected from cell 1 of the East Sedimentation Pond. Daily field measurements for station WWTP-E-IN were not collected on April 12 as the East WWTP was not operational that day.
[5] There was no discharge at the authorized discharge location (SP-E-OUT) during the monitoring period (April 12 – 18), therefore daily field measurements for SP-E-OUT were not collected on those days. Daily field measurements for station WWTP-E-OUT were not collected on April 12 as the East WWTP was not operational that day.
[6] The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

Table B-2:
East Catchment Daily Discharge Volumes for the Monitoring Period (April 12 – 18).

	East Sedimentation Pond Effluent	Transfer to West Sedimentation Pond	East WWTP Treated Effluent (Station WWTP-E-OUT)[2]	Discharge to Howe Sound (Station SP-E-OUT)
Units	**m^3**	**m^3**	**m^3**	**m^3**
PE-111578 Discharge Limit	-	-	1,100	- [1]
Date				
2026-04-12	0	0	0	0
2026-04-13	0	0	53	0
2026-04-14	0	0	230	0
2026-04-15	0	0	284	0
2026-04-16	0	0	322	0
2026-04-17	0	0	230	0
2026-04-18	0	0	342	0

Notes:
Results in orange text exceed the PE-111578 East Sedimentation Pond Discharge Limit.
[1] As noted in PE-111578 Condition 2.1.4, the annual average authorized discharge rate from the East Sedimentation Pond to Howe Sound was set to 650 m^3/day for the purpose of calculating discharge fees as required by the Permit and Approval Fees and Charges Regulation. Therefore, the annual average authorized discharge rate is not evaluated as a discharge limit.
[2] East WWTP treated effluent was recirculated to the East Sedimentation Pond.

Appendix C:
West Catchment Monitoring Results

Table C-1:
West 2700GPM TSS Settling System Influent and Effluent Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station 2700GPM-IN	Station W2700T1-OUT	Station C
					Influent	Effluent	Effluent
					W2700-IN	W2700T1-OUT	W2700T2-OUT
					VA26A8758-002	VA26A8758-003	VA26A8758-004
		Long Term	Short Term		2026-04-14 11:23	2026-04-14 10:36	2026-04-14 10:57
General Parameters							
pH - Field	pH units	- [2]	-	5.5 - 9.0	8.7	8.6	8.0
Specific Conductivity - Field	µS/cm	-	-	-	1003	1006	1004
Temperature - Field	°C	-	-	-	10.7	11.5	11.6
Salinity - Field	ppt	-	-	-	0.5	0.5	0.5
Turbidity - Field	NTU	-	-	-	13.91	2.98	2.64
TSS	mg/L	-	-	25 or 75 [5]	11.3	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	10.77	11.21	9.96
Total Hardness	mg/L	-	-	-	60	59.3	60.3
Dissolved Hardness	mg/L	-	-	-	58.7	54.7	55.5
Anions and Nutrients							
Sulphate	mg/L	-	-	-	278	282	282
Chloride	mg/L	-	-	-	14.1	16.3	15.9
Fluoride	mg/L	-	1.5	-	0.112	0.156	0.153
Ammonia (N-NH_3)	mg/L	0.53-2.0 [3]	3.5-13 [3]	-	<0.0050	0.0213	0.0212
Nitrite (N-NO_2)	mg/L	-	-	-	<0.0050	<0.0050	<0.0050
Nitrate (N-NO_3)	mg/L	3.7	339	-	<0.0250	<0.0250	<0.0250
Total Organic Carbon (TOC)	mg/L	-	-	-	6.38	5.52	5.75
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	5.55	4.90	5.69
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	0.679	0.168	0.16
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00074	0.00076	0.00075
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00152	0.00149	0.00154
Barium, total (T-Ba)	mg/L	-	-	-	0.0121	0.00557	0.00621
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.022	0.015	0.014
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000250	<0.0000150	<0.0000150
Chromium, total (T-Cr)	mg/L	-	-	-	0.00052	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.00018	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00486	0.00092	0.00104
Iron, total (T-Fe)	mg/L	-	-	-	0.377	0.053	0.054
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.000599	0.000142	0.000198
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.0308	0.0217	0.0211
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0412	0.0408	0.0403
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000208	0.000189	0.000236
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.00004	0.000037	0.000038
Uranium, total (T-U)	mg/L	-	-	-	0.0101	0.00944	0.00953
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00186	0.00135	0.00141
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0055	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000150	<0.0000150	<0.0000150
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00082	0.00089	0.00083
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	0.000092	0.000069
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.014	0.0191	0.0182
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.112	0.105	0.102
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00129	0.00117	0.00122
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0012	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.006	-	-	-	-	-
Acridine	mg/L	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-
Benz(a)anthracene	mg/L	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-	-	-	-
Chrysene	mg/L	0.0001	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-
Fluorene	mg/L	0.012	-	-	-	-	-
1-methylnaphthalene	mg/L	0.001	-	-	-	-	-
2-methylnaphthalene	mg/L	0.001	-	-	-	-	-
Naphthalene	mg/L	0.001	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-
Quinoline	mg/L	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)							
Benzene	mg/L	0.59	6.0	-	-	-	-
Ethylbenzene	mg/L	0.07	1.0	-	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-
Toluene	mg/L	0.03	3.0	-	-	-	-
Total Xylenes	mg/L	0.07	1.0	-	-	-	-
Chlorobenzene	mg/L	0.025	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	-	-

Notes:
West catchment influents were not discharged to Howe Sound. Influent results above screening values are only highlighted for comparative purposes.
Non-detect results are screened using the detection limit value.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
Results in orange text exceed the PE-111578 West Sedimentation Pond Discharge Limit.
The West Catchment intermittently discharged during the monitoring period (April 12 – 18) on April 14, 15 and 18.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs for marine waters.
[2] The WQG was not evaluated for parameters with discharge limits.
[3] The BC WQG for total ammonia is salinity, pH and temperature dependent; see Tables 27E and 27F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.
[5] The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

Table C-2:
West Sedimentation Pond Influent and Effluent Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station SP-W-IN Influent SP-W-IN VA26A8758-001 2026-04-14 11:44	Station SP-W-OUT Effluent SP-W-OUT-Port VA26A8758-008 2026-04-14 10:20	Station SP-W-OUT Effluent SP-W-OUT-Outfall VA26A8758-005 2026-04-14 10:27
		Long Term	Short Term				
General Parameters							
pH - Field	pH units	- [2]	-	5.5 - 9.0	8.3	8.7	8.7
Specific Conductivity - Field	µS/cm	-	-	-	643	1011	1010
Temperature - Field	°C	-	-	-	10.2	10.7	11.5
Salinity - Field	ppt	-	-	-	0.31	0.50	0.50
Turbidity - Field	NTU	-	-	-	949.32	3.24	2.99
TSS	mg/L	-	-	25 or 75 [5]	1100	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	10.86	11.97	11.23
Total Hardness	mg/L	-	-	-	267	60.3	59.8
Dissolved Hardness	mg/L	-	-	-	58.1	54.8	55.1
Anions and Nutrients							
Sulphate	mg/L	-	-	-	155	287	287
Chloride	mg/L	-	-	-	8.53	16.9	16.7
Fluoride	mg/L	-	1.5	-	0.087	0.183	0.142
Ammonia ($N\text{-}NH_3$)	mg/L	0.53-1.3 [3]	3.5-8.5 [3]	-	0.0321	0.017	0.0149
Nitrite ($N\text{-}NO_2$)	mg/L	-	-	-	0.0037	<0.0050	<0.0050
Nitrate ($N\text{-}NO_3$)	mg/L	3.7	339	-	0.0893	<0.0250	<0.0250
Total Organic Carbon (TOC)	mg/L	-	-	-	14.1	5.6	6.03
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	4.65	5.16	5.27
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	63.6	0.199	0.185
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00106	0.00076	0.00076
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00788	0.00152	0.00154
Barium, total (T-Ba)	mg/L	-	-	-	0.391	0.00622	0.00595
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.00105	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	<0.050	0.015	0.015
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	***0.000593***	<0.0000200	<0.0000200
Chromium, total (T-Cr)	mg/L	-	-	-	0.0179	0.00059	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.0196	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.0534	0.0144	0.00079
Iron, total (T-Fe)	mg/L	-	-	-	57.8	0.081	0.068
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.033	0.000674	0.000101
Manganese, total (T-Mn)	mg/L	0.1	-	-	***2.2***	0.0232	0.022
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0259	0.04	0.0402
Nickel, total (T-Ni)	mg/L	0.0083	-	-	***0.0107***	0.00054	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000349	0.000207	0.000212
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000116	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000226	0.000039	0.00004
Uranium, total (T-U)	mg/L	-	-	-	0.0124	0.0094	0.00956
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.0888	0.00147	0.00143
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.313	0.0039	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000150	<0.0000150	<0.0000150
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00132	0.0007	0.00074
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.035	0.015	0.013
Lead, dissolved (D-Pb)	mg/L	-	-	-	0.000056	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0283	0.0191	0.0186
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.089	0.105	0.105
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.0012	0.00119	0.0012
Zinc, dissolved (D-Zn)	mg/L	-	-	-	<0.0010	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.006	-	-	-	-	-
Acridine	mg/L	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-
Benz(a)anthracene	mg/L	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-	-	-	-
Chrysene	mg/L	0.0001	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-
Fluorene	mg/L	0.012	-	-	-	-	-
1-methylnaphthalene	mg/L	0.001	-	-	-	-	-
2-methylnaphthalene	mg/L	0.001	-	-	-	-	-
Naphthalene	mg/L	0.001	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-
Quinoline	mg/L	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)							
Benzene	mg/L	0.59	6.0	-	-	-	-
Ethylbenzene	mg/L	0.07	1.0	-	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-
Toluene	mg/L	0.03	3.0	-	-	-	-
Total Xylenes	mg/L	0.07	1.0	-	-	-	-
Chlorobenzene	mg/L	0.025	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	-	-

Notes:
West catchment influents were not discharged to Howe Sound. Influent results above screening values are only highlighted for comparative purposes.
Non-detect results are screened using the detection limit value.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
Results in orange text exceed the PE-111578 West Sedimentation Pond Discharge Limit.
The West Catchment intermittently discharged during the monitoring period (April 12 – 18) on April 14, 15 and 18.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs for marine waters.
[2] The WQG was not evaluated for parameters with discharge limits.
[3] The BC WQG for total ammonia is salinity, pH and temperature dependent; see Tables 27E and 27F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.
[5] The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

Table C-3:
West Catchment Field Measurements Collected During the Monitoring Period (April 12 – 18).

Parameter			Temperature	Dissolved Oxygen (DO)	Salinity	Turbidity	Estimated TSS [3]	pH	Specific Conductivity	Visibility of Sheen
Unit			**°C**	**mg/L**	**ppt**	**NTU**	**mg/L**	**s.u.**	**µS/cm**	
PE-111578 Discharge Limit			-	-	-	-	25 or 75 [6]	5.5 - 9.0	-	-
Lowest Applicable Guideline [1]			-	≥8	-	-	- [2]	- [2]	-	-
Station ID	**Water Type**	**Date**								
Influent [4]										
SP-W-IN	Influent	2026-04-12 13:37	16.8	11.1	0.45	62.37	49.5	8.60	907	No
SP-W-IN	Influent	2026-04-13 12:46	12.9	9.33	0.58	16.21	15.1	8.30	1155	No
SP-W-IN	Influent	2026-04-14 11:44	10.2	10.86	0.31	949.32	711.0	8.30	643	No
SP-W-IN	Influent	2026-04-15 15:10	10	11.54	0.25	32.61	27.3	7.50	512	No
SP-W-IN	Influent	2026-04-16 12:51	10.8	11.44	0.2	10.05	10.5	7.00	410	No
SP-W-IN	Influent	2026-04-17 16:36	12.8	11.31	0.21	26.44	22.7	7.10	431	No
SP-W-IN	Influent	2026-04-18 10:29	10.7	11.39	0.24	13.24	12.9	7.90	497	No
2700GPM-IN	Influent	2026-04-14 11:23	10.7	10.77	0.5	13.91	13.4	8.70	1003	No
2700GPM-IN	Influent	2026-04-15 15:04	10	11.26	0.23	166.78	127.4	7.60	480	No
2700GPM-IN	Influent	2026-04-16 13:26	10.6	11.32	0.21	16.58	15.4	8.00	427	No
2700GPM-IN	Influent	2026-04-17 17:14	12.3	11.12	0.21	24.82	21.5	7.90	432	No
2700GPM-IN	Influent	2026-04-18 10:24	11.1	11.19	0.21	19.32	17.4	7.80	438	No
Effluent [5]										
SP-W-OUT	Effluent	2026-04-14 10:20	10.7	11.97	0.5	3.24	5.4	8.70	1011	No
SP-W-OUT	Effluent	2026-04-14 10:27	11.5	11.23	0.5	2.99	5.2	8.70	1010	No
SP-W-OUT	Effluent	2026-04-14 11:02	11.2	11.17	0.5	3.12	5.3	8.50	1005	No
SP-W-OUT	Effluent	2026-04-14 11:32	11.4	10.61	0.5	5.45	7.1	7.60	996	No
SP-W-OUT	Effluent	2026-04-15 16:33	7.6	10.19	0.32	12.2	12.1	7.16	661	No
SP-W-OUT	Effluent	2026-04-18 10:39	10.0	11.57	0.29	3.4	5.5	7.90	603	No

Notes:
West catchment influents for April 12 – 18 were not discharged to Howe Sound. Results above screening values are only highlighted for comparative purposes.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
Results in orange text exceed the PE-111578 West Sedimentation Pond Discharge Limit.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] The WQG was not evaluated for parameters with discharge limits.
[3] TSS concentration is estimated from field turbidity measurements using a site-specific relationship TSS = 0.7458 * [turbidity as NTU] + 3.
[4] Daily field measurements for station SP-W-IN were collected from cell 1 of the West Sedimentation Pond.
[5] As described in Section 1.1, when there is surplus water, West Sedimentation Pond clarified effluent from the individual 2700GPM trains is directed to SP-W-OUT for discharge. 2700GPM clarified effluent from trains 1, 2, 5 and 6 was intermittently discharged to Howe Sound at the authorized discharge location (SP-W-OUT) during the monitoring period (April 12 – 18) on April 14, 15 and 18. Daily field parameters were not collected from station SP-W-OUT on April 12, 13, 16 and 17 as there was no discharge to Howe Sound on those days. Daily field parameters collected at SP-W-OUT on April 15 were collected from residual water in the outfall structure as there was no discharge at the time of monitoring.
[6] The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

Table C-4:
West Catchment Daily Discharge Volumes for the Monitoring Period (April 12 – 18).

	West Sedimentation Pond Effluent	West TSS Settling System (2700GPM) Clarified Effluent (Station 2700GPM-OUT)[3]	Water Reclaimed for Construction Purposes (Station 2700GPM-OUT)	West WWTP Treated Effluent [1] (Station WWTP-W-OUT)	Discharge to Howe Sound (Station SP-W-OUT)
Unit	**m^3**	**m^3**	**m^3**	**m^3**	**m^3**
PE-111578 Discharge Limit	-	-	-	120	- [2]
Date					
2026-04-12	0	0	0	0	0
2026-04-13	0	0	0	0	0
2026-04-14	0	2,987	0	0	1,591
2026-04-15	0	1,854	0	0	1,187
2026-04-16	0	1,866	0	0	0
2026-04-17	0	583	0	0	0
2026-04-18	0	2,315	0	0	807

Notes:
Results in orange text exceed the PE-111578 West Sedimentation Pond Discharge Limit.
[1] The West WWTP is not being operated therefore discharges are not expected from this facility.
[2] As noted in PE-111578 Condition 2.2.4, the annual average authorized discharge rate from the West Sedimentation Pond to Howe Sound was set to 310 m^3/day for the purpose of calculating discharge fees as required by the Permit and Approval Fees and Charges Regulation. Therefore, the annual average authorized discharge rate is not evaluated as a discharge limit.
[3] Clarified effluent from the 2700GPM TSS settling system is recirculated to the West Sedimentation Pond, discharged to Howe Sound or reclaimed for construction purposes based on operational considerations. Daily discharge volumes from station 2700GPM-OUT are a sum of all active treatment trains.

Appendix D:
Non-Contact Water Diversion Ditch Outlets Monitoring Results

Table D-1:
Summary of Non-Contact Water Diversion Ditch Outlet Quality Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1, 2]		Station OUT-02 Non-contact Water Diversion Ditch Outlet OUT-02 VA26A8067-001
		Long Term	Short Term	2026-04-05 9:21
General Parameters				
pH - Field	pH units	6.5 - 9.0	-	7.0
Specific Conductivity - Field	µS/cm	-	-	13
Temperature - Field	°C	-	-	7.0
Salinity - Field	ppt	-	-	0
Turbidity - Field	NTU	-	-	1.12
TSS	mg/L	-	-	<3.0
Dissolved Oxygen - Field	mg/L	>=8	>=5	11.85
Total Hardness	mg/L	-	-	3.96
Dissolved Hardness	mg/L	-	-	3.99
Anions and Nutrients				
Sulphate [2]	mg/L	128	-	1.47
Chloride	mg/L	120	600	<0.50
Fluoride [2]	mg/L	0.12	0.400	<0.020
Ammonia ($N\text{-}NH_3$) [2]	mg/L	1.90	21.1	<0.0050
Nitrite ($N\text{-}NO_2$) [2]	mg/L	0.0200	0.1	<0.0010
Nitrate ($N\text{-}NO_3$)	mg/L	3	32.8	0.0581
Total Organic Carbon (TOC)	mg/L	-	-	2.74
Total Inorganic Carbon (DOC)	mg/L	-	-	2.63
Total Metals				
Aluminum, total (T-Al) [2]	mg/L	0.0671	-	***0.111***
Antimony, total (T-Sb)	mg/L	0.074	-	<0.00010
Arsenic, total (T-As)	mg/L	0.005	-	<0.00010
Barium, total (T-Ba)	mg/L	1	-	0.00291
Beryllium, total (T-Be)	mg/L	0.00013	-	<0.000020
Boron, total (T-B)	mg/L	1.2	29	<0.010
Cadmium, total (T-Cd) [2]	mg/L	0.0000364	0.000106	<0.0000050
Chromium, total (T-Cr) [3]	mg/L	0.001	-	<0.00050
Cobalt, total (T-Co) [2]	mg/L	0.000389	-	<0.00010
Copper, total (T-Cu)	mg/L	-	-	<0.00050
Iron, total (T-Fe)	mg/L	0.3	1	0.017
Lead, total (T-Pb)	mg/L	-	-	<0.000050
Manganese, total (T-Mn) [2]	mg/L	-	-	0.00072
Molybdenum, total (T-Mo)	mg/L	0.073	46	0.000462
Nickel, total (T-Ni) [2]	mg/L	0.0250	-	<0.00050
Selenium, total (T-Se)	mg/L	0.001	-	<0.000050
Silver, total (T-Ag)	mg/L	0.00012	-	<0.000010
Thallium, total (T-Tl)	mg/L	0.0008	-	<0.000010
Uranium, total (T-U)	mg/L	0.0085	0.033	0.000081
Vanadium, total (T-V)	mg/L	0.12	-	<0.00050
Zinc, total (T-Zn)	mg/L	-	-	<0.0030
Hexavalent Chromium, total	mg/L	0.001	-	-
Dissolved Metals				
Cadmium, dissolved (D-Cd) [2]	mg/L	0.0000196	0.0000380	<0.0000050
Copper, dissolved (D-Cu) [2]	mg/L	0.000312	0.00193	***0.00063***
Iron, dissolved (D-Fe)	mg/L	-	0.35	0.013
Lead, dissolved (D-Pb) [2]	mg/L	0.00177	-	<0.000050
Manganese, dissolved (D-Mn) [2]	mg/L	0.190	1.97	0.00043
Nickel, dissolved (D-Ni) [2]	mg/L	0.000700	0.0117	<0.00050
Strontium, dissolved (D-Sr)	mg/L	2.5	-	0.00591
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050
Zinc, dissolved (D-Zn) [2]	mg/L	0.00494	0.00950	0.0013
Polycyclic Aromatic Hydrocarbons (PAHs)				
Acenaphthene	mg/L	0.0058	-	-
Acridine	mg/L	0.003	-	-
Anthracene	mg/L	0.000012	-	-
Benz(a)anthracene	mg/L	0.000018	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-
Chrysene	mg/L	-	-	-
Fluoranthene	mg/L	0.00004	-	-
Fluorene	mg/L	0.003	-	-
1-methylnaphthalene	mg/L	-	-	-
2-methylnaphthalene	mg/L	-	-	-
Naphthalene	mg/L	0.001	0.001	-
Phenanthrene	mg/L	0.0003	-	-
Pyrene	mg/L	0.00002	-	-
Quinoline	mg/L	0.0034	-	-
Volatile Organic Compounds (VOCs)				
Benzene	mg/L	0.04	-	-
Ethylbenzene	mg/L	0.09	-	-
Methyl-tert-butyl-ether	mg/L	10	3.4	-
Styrene	mg/L	0.072	-	-
Toluene	mg/L	0.0005	-	-
Total Xylenes	mg/L	0.03	-	-
Chlorobenzene	mg/L	0.0013	-	-
1,2-Dichlorobenzene	mg/L	0.0007	-	-

Notes:
Non-detect results are screened using the detection limit value.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of freshwater aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of freshwater aquatic life.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] BC WQG or CWQG indicated to be variable are calculated from sample-specific measurements for temperature, field pH, total hardness and dissolved organic carbon (DOC) content.
[3] The approved BC WQG for hexavalent chromium [Cr(VI)] is 0.001 mg/L and 0.0089 mg/L for trivalent chromium [Cr(III)]. The more conservative criteria for Cr(VI) is applied to total chromium results.
The lowest applicable guidelines are shown in the table; however, water quality data was screened to all applicable guidelines.

Appendix E: Freshwater Receiving Environment Monitoring Results

Table E-1:
Summary of Freshwater Water Quality Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1, 2]		Station SW-01 Woodfibre Creek Lower Reach SW-01 VA26A8439-001 2026-04-09 12:06	Station SW-04 East Creek Lower Reach SW-04 VA26A8439-002 2026-04-09 10:50	Station SW-02 Mill Creek Lower Reach SW-02 VA26A8316-001 2026-04-08 12:31	Station SW-07 Upstream Mill Creek SW-07 VA26A8316-003 2026-04-08 14:26
		Long Term	Short Term				
General Parameters							
pH - Field	pH units	6.5 - 9.0	-	7.1	7.2	8.2	7.1
Specific Conductivity - Field	µS/cm	-	-	3	145	16	12
Temperature - Field	°C	-	-	5.8	11	6	5.4
Salinity - Field	ppt	-	-	0	0.07	0.01	0
Turbidity - Field	NTU	-	-	0.89	0.41	0.85	2.04
TSS	mg/L	-	-	<3.0	3.7	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	>=8	>=5	12.88	11.33	16.08	15.52
Total Hardness	mg/L	-	-	2.8	53.2	4.05	3.5
Dissolved Hardness	mg/L	-	-	2.26	51.6	3.6	3.35
Anions and Nutrients							
Sulphate [2]	mg/L	128-218	-	0.39	10.6	1.7	1.72
Chloride	mg/L	120	600	0.63	9.06	0.6	0.66
Fluoride [2]	mg/L	0.12	0.400-1.08	<0.020	***0.294***	<0.020	<0.020
Ammonia ($N\text{-}NH_3$) [2]	mg/L	0.502-4.84	3.86-20.2	<0.0050	<0.0050	<0.0050	<0.0050
Nitrite ($N\text{-}NO_2$) [2]	mg/L	0.0200-0.100	0.06-0.3	<0.0010	0.0094	<0.0010	<0.0010
Nitrate ($N\text{-}NO_3$)	mg/L	3	32.8	0.0276	0.44	0.0492	0.0607
Total Organic Carbon (TOC)	mg/L	-	-	2.92	4.63	1.48	1.25
Total Inorganic Carbon (DOC)	mg/L	-	-	2.84	4.46	1.27	1.26
Total Metals							
Aluminum, total (T-Al) [2]	mg/L	0.0478-0.630	-	***0.153***	***0.621***	0.184	***0.0763***
Antimony, total (T-Sb)	mg/L	0.074	-	<0.00010	0.00022	<0.00010	<0.00010
Arsenic, total (T-As)	mg/L	0.005	-	0.00011	0.00092	<0.00010	<0.00010
Barium, total (T-Ba)	mg/L	1	-	0.00159	0.00356	0.00294	0.00233
Beryllium, total (T-Be)	mg/L	0.00013	-	<0.000020	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	29	<0.010	0.01	<0.010	<0.010
Cadmium, total (T-Cd) [2]	mg/L	0.000036-0.000094	0.00011-0.00111	<0.0000050	<0.0000200	0.000007	<0.0000050
Chromium, total (T-Cr) [3]	mg/L	0.001	-	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co) [2]	mg/L	0.000389-0.000785	-	<0.00010	<0.00010	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	-	-	<0.00050	0.00057	<0.00050	<0.00050
Iron, total (T-Fe)	mg/L	0.3	1	0.035	0.066	0.096	0.145
Lead, total (T-Pb)	mg/L	-	-	0.00006	<0.000050	<0.000050	<0.000050
Manganese, total (T-Mn) [2]	mg/L	-	-	0.00082	0.0149	0.00352	0.00124
Molybdenum, total (T-Mo)	mg/L	0.073	46	0.000225	0.0254	0.000434	0.00038
Nickel, total (T-Ni) [2]	mg/L	0.0250	-	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.001	-	<0.000050	0.000063	<0.000050	<0.000050
Silver, total (T-Ag)	mg/L	0.00012	-	<0.000010	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	0.0008	-	<0.000010	<0.000010	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	0.0085	0.033	0.000622	0.00215	0.000182	0.000158
Vanadium, total (T-V)	mg/L	0.12	-	<0.00050	0.00053	<0.00050	<0.00050
Zinc, total (T-Zn)	mg/L	-	-	<0.0030	0.0033	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.001	-	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd) [2]	mg/L	0.000018-0.00013	0.000038-0.00031	<0.0000050	<0.0000200	0.0000054	0.000007
Copper, dissolved (D-Cu) [2]	mg/L	0.000200-0.00174	0.00115-0.00539	<0.00020	0.00058	0.00031	***0.00030***
Iron, dissolved (D-Fe)	mg/L	-	0.35	0.023	0.04	<0.010	<0.010
Lead, dissolved (D-Pb) [2]	mg/L	0.00121-0.00765	-	<0.000050	<0.000050	<0.000050	<0.000050
Manganese, dissolved (D-Mn) [2]	mg/L	0.135-0.490	1.97-3.82	0.00036	0.0136	0.00032	0.00032
Nickel, dissolved (D-Ni) [2]	mg/L	0.000600-0.00140	0.00890-0.0146	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	2.5	-	0.00315	0.0612	0.00561	0.00517
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Zinc, dissolved (D-Zn) [2]	mg/L	0.00147-0.0225	0.00796-0.0664	<0.0010	0.0032	<0.0010	0.0015
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.0058	-	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	0.003	-	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	0.000012	-	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	0.000018	-	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	0.00004	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.003	-	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	0.001	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	0.0003	-	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	0.00002	-	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	0.0034	-	<0.000050	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)							
Benzene	mg/L	0.04	-	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.09	-	<0.00050	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	10	3.4	<0.00050	<0.00050	<0.00050	<0.00050
Styrene	mg/L	0.072	-	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.0005	-	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	0.03	-	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050

Notes:
Non-detect results are screened using the detection limit value.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of freshwater aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of freshwater aquatic life.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] BC WQG or CWQG indicated to be variable are calculated from sample-specific measurements for temperature, field pH, total hardness and dissolved organic carbon (DOC) content.
[3] The approved BC WQG for hexavalent chromium [Cr(VI)] is 0.001 mg/L and 0.0089 mg/L for trivalent chromium [Cr(III)]. The more conservative criteria for Cr(VI) is applied to total chromium results.
The lowest applicable guidelines are shown in the table; however, water quality data was screened to all applicable guidelines.

Appendix F:
Estuarine Water Receiving Environment Results

Table F-1:
Summary of Mill Creek Estuary Water Quality Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		Station SW-03 Mill Creek Estuary SW-03 VA26A8316-002 2026-04-08 12:08
		Long Term	Short Term	
General Parameters				
pH - Field	pH units	7.0 - 8.7	-	7.7
Specific Conductivity - Field	µS/cm	-	-	33782
Temperature - Field	°C	-	-	9.3
Salinity - Field	ppt	-	-	21.1
Turbidity - Field	NTU	-	-	1.07
TSS	mg/L	-	-	<4.4
Dissolved Oxygen - Field	mg/L	>=8	-	17.54
Total Hardness	mg/L	-	-	808.00
Dissolved Hardness	mg/L	-	-	755.00
Anions and Nutrients				
Sulphate	mg/L	-	-	296
Chloride	mg/L	-	-	2290
Fluoride	mg/L	-	1.5	<1.00
Ammonia ($N\text{-}NH_3$)	mg/L	29 [2]	191 [2]	<0.0050
Nitrite ($N\text{-}NO_2$)	mg/L	-	-	<0.0500
Nitrate ($N\text{-}NO_3$)	mg/L	3.7	339	<0.250
Total Organic Carbon (TOC)	mg/L	-	-	1.84
Total Inorganic Carbon (DOC)	mg/L	-	-	1.36
Total Metals				
Aluminum, total (T-Al)	mg/L	-	-	0.144
Antimony, total (T-Sb)	mg/L	-	0.27	<0.00050
Arsenic, total (T-As)	mg/L	0.0125	-	<0.00050
Barium, total (T-Ba)	mg/L	-	-	0.00462
Beryllium, total (T-Be)	mg/L	0.1	-	<0.000100
Boron, total (T-B)	mg/L	1.2	-	0.589
Cadmium, total (T-Cd)	mg/L	0.00012	-	<0.0000250
Chromium, total (T-Cr)	mg/L	-	-	<0.00250
Cobalt, total (T-Co)	mg/L	-	-	<0.00050
Copper, total (T-Cu)	mg/L	0.002	0.003	***<0.00250***
Iron, total (T-Fe)	mg/L	-	-	0.106
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.000250
Manganese, total (T-Mn)	mg/L	0.1	-	0.00453
Molybdenum, total (T-Mo)	mg/L	-	-	0.00179
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00250
Selenium, total (T-Se)	mg/L	0.002	-	<0.000250
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.000050
Thallium, total (T-Tl)	mg/L	-	-	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.000561
Vanadium, total (T-V)	mg/L	0.005	-	<0.00250
Zinc, total (T-Zn)	mg/L	0.01	0.055	***<0.0150***
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150
Dissolved Metals				
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000016
Copper, dissolved (D-Cu)	mg/L	-	-	<0.00040
Iron, dissolved (D-Fe)	mg/L	-	-	<0.020
Lead, dissolved (D-Pb)	mg/L	-	-	<0.000100
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00157
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00100
Strontium, dissolved (D-Sr)	mg/L	-	-	0.909
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00100
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0020
Polycyclic Aromatic Hydrocarbons (PAHs)				
Acenaphthene	mg/L	0.006	-	<0.000010
Acridine	mg/L	-	-	<0.000010
Anthracene	mg/L	-	-	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010
Fluoranthene	mg/L	-	-	<0.000010
Fluorene	mg/L	0.012	-	<0.000010
1-methylnaphthalene	mg/L	-	-	<0.000010
2-methylnaphthalene	mg/L	-	-	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050
Phenanthrene	mg/L	-	-	<0.000020
Pyrene	mg/L	-	-	<0.000010
Quinoline	mg/L	-	-	<0.000050
Volatile Organic Compounds (VOCs)				
Benzene	mg/L	0.59	-	<0.00050
Ethylbenzene	mg/L	0.07	-	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050
Styrene	mg/L	-	-	<0.00050
Toluene	mg/L	0.03	-	<0.00040
Total Xylenes	mg/L	0.07	-	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050

Notes:
Non-detect results are screened using the detection limit value.
Results in ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of estuarine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of estuarine and marine water aquatic life.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.

Appendix G: Marine Water Receiving Environment Monitoring Results

Table G-1:
Summary of Marine Water Quality Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		Station IDZ-E1	Station IDZ-E1	Station IDZ-E1	Station IDZ-E1	Station IDZ-E2	Station IDZ-E2	Station IDZ-E2
				0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor	2 m Above Seafloor	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				IDZ-E1-0.5	IDZ-E1-2m	IDZ-E1-SF	IDZ-E1-SF-DUP	IDZ-E2-0.5	IDZ-E2-2m	IDZ-E2-SF
				VA26A7950-001	VA26A7950-002	VA26A7950-003	VA26A7950-004	VA26A7950-006	VA26A7950-007	VA26A7950-008
		Long Term	Short Term	2026-04-02 11:21	2026-04-02 11:22	2026-04-02 11:23	2026-04-02 11:30	2026-04-02 10:55	2026-04-02 10:28	2026-04-02 10:30
General Parameters										
pH - Field	pH units	7.0 - 8.7	-	7.63	7.59	7.5	-	7.62	7.57	7.41
Specific Conductivity - Field	µS/cm	-	-	21115	34597	45223	-	26706	37182	47122
Temperature - Field	℃	-	-	7.7	8.1	8.7	-	7.7	7.9	9.1
Salinity - Field	ppt	Narrative [2]	-	12.6	21.59	29.03	-	16.26	23.35	30.4
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	1.29	1.38	0.91	-	1.38	1.42	1.23
TSS	mg/L	Narrative [2]	Narrative [2]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.6
Dissolved Oxygen - Field	mg/L	>=8	-	10.38	9.86	***7.48***	-	10.1	9.76	***6.36***
Total Hardness	mg/L	-	-	1760	2960	5420	5550	2190	3080	5930
Dissolved Hardness	mg/L	-	-	1660	4030	5040	5230	2180	3890	5480
Anions and Nutrients										
Sulphate	mg/L	-	-	655	1130	2080	2100	812	1170	2200
Chloride	mg/L	-	-	5210	8850	15700	15700	6420	9200	16400
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	7.2-13 [3]	48-85 [3]	0.0244	0.0152	0.0111	0.0101	0.0167	0.0123	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate (N-NO_3)	mg/L	3.7	339	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	1.43	1.36	1.14	1.1	1.38	1.54	0.96
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.36	1.34	1.03	1.01	1.36	1.19	1.00
Total Metals										
Aluminum, total (T-Al)	mg/L	-	-	0.0339	0.025	0.0107	0.0102	0.03	0.0268	0.0109
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.00057	0.00077	0.00142	0.00139	0.00059	0.00083	0.00142
Barium, total (T-Ba)	mg/L	-	-	0.0108	0.0106	0.01	0.0102	0.0104	0.0101	0.01
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	***1.32***	***2.42***	***3.64***	***4.00***	***1.81***	***2.46***	***4.17***
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000031	0.000041	0.000078	0.000073	0.000043	0.000054	0.000087
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000108	0.000087	0.00007	0.000072	0.000092	0.000086	0.000077
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00076	0.00072	0.00055	0.00058	0.00071	0.00065	0.00055
Iron, total (T-Fe)	mg/L	-	-	0.144	0.084	0.019	0.015	0.093	0.069	0.015
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, total (T-Mn)	mg/L	0.1	-	0.0129	0.00843	0.00334	0.00328	0.00976	0.00742	0.00431
Molybdenum, total (T-Mo)	mg/L	-	-	0.00376	0.00517	0.00912	0.00888	0.00396	0.00536	0.00941
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.00089	0.00138	0.00236	0.00226	0.000971	0.00138	0.0024
Vanadium, total (T-V)	mg/L	0.005	-	0.00091	0.00106	0.00145	0.00147	0.00088	0.00112	0.00156
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals										
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000028	0.000053	0.000065	0.000076	0.000031	0.000067	0.000075
Copper, dissolved (D-Cu)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00063
Iron, dissolved (D-Fe)	mg/L	-	-	0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.0116	0.00441	0.00312	0.00316	0.00839	0.00431	0.00242
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	2.06	4.87	6.15	6.31	2.73	4.78	6.64
Vanadium, dissolved (D-V)	mg/L	-	-	0.00063	0.00114	0.00146	0.00141	0.00073	0.00112	0.00142
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0012	0.0031	0.0019	<0.0010	0.001	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)										
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)										
Benzene	mg/L	0.11	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.25	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

Notes:
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] Induced guidelines for change from background conditions arising from discharges to the aquatic environment. Salinity WQG was not evaluated. The water quality data presented in the table were collected when the site was discharging intermittently for <24 hours, therefore the turbidity and TSS short-term WQGs were evaluated. Background conditions at each depth (0.5 and 2 m below surface and 2 m above the seafloor) were established from reference station WQR1 collected April 2 (Table G-3).
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

Table G-2:
Summary of Marine Water Quality Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		Station IDZ-W1	Station IDZ-W1	Station IDZ-W1	Station IDZ-W2	Station IDZ-W2	Station IDZ-W2
				0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				IDZ-W1-0.5	IDZ-W1-2m	IDZ-W1-SF	IDZ-W2-0.5	IDZ-W2-2m	IDZ-W2-SF
				VA26A7985-004	VA26A7985-005	VA26A7985-006	VA26A7985-007	VA26A7985-008	VA26A7985-009
		Long Term	Short Term	2026-04-03 10:42	2026-04-03 10:42	2026-04-03 10:39	2026-04-03 10:06	2026-04-03 10:05	2026-04-03 10:02
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	8.02	7.91	7.53	8.02	7.99	7.37
Specific Conductivity - Field	µS/cm	-	-	35671	37782	45443	35020	36045	45679
Temperature - Field	℃	-	-	8.5	8.6	8.8	8.6	8.5	8.8
Salinity - Field	ppt	Narrative [2]	-	22.35	23.83	29.17	21.9	22.60	29.35
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	1.46	1.66	0.43	1.84	1.78	0.6
TSS	mg/L	Narrative [2]	Narrative [2]	2.4	2.9	<2.0	<2.0	4.3	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	10.91	9.92	8.09	11.24	10.52	***7.80***
Total Hardness	mg/L	-	-	3210	4120	5610	3060	3740	5560
Dissolved Hardness	mg/L	-	-	2890	4130	5480	3320	4010	5320
Anions and Nutrients									
Sulphate	mg/L	-	-	1180	1580	2230	1190	1570	2180
Chloride	mg/L	-	-	8920	11700	16300	8920	11600	16000
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	2.9-20 [3]	19-135 [3]	<0.0050	<0.0050	0.0074	<0.0050	<0.0050	0.0055
Nitrite (N-NO_2)	mg/L	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate (N-NO_3)	mg/L	3.7	339	<0.50	<0.50	<0.50	<0.50	<0.50	0.52
Total Organic Carbon (TOC)	mg/L	-	-	1.73	1.85	1.16	1.93	1.96	1.18
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.33	1.37	1.21	1.62	1.68	1.3
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	0.0286	0.0242	0.0107	0.0325	0.0248	0.0103
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.00083	0.00107	0.00148	0.00085	0.00101	0.00151
Barium, total (T-Ba)	mg/L	-	-	0.0101	0.0097	0.01	0.0092	0.0098	0.0098
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	***2.37***	***2.96***	***3.85***	***2.3***	***2.81***	***3.73***
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.00005	0.000064	0.000068	0.000058	0.000054	0.000076
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00124
Cobalt, total (T-Co)	mg/L	-	-	0.000091	0.00008	0.000067	0.000075	0.000076	0.000063
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00058	0.00056	<0.00050	0.00068	0.00055	<0.00050
Iron, total (T-Fe)	mg/L	-	-	0.066	0.045	0.012	0.056	0.047	0.02
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, total (T-Mn)	mg/L	0.1	-	0.00739	0.00453	0.00339	0.00593	0.00504	0.00327
Molybdenum, total (T-Mo)	mg/L	-	-	0.00551	0.00706	0.00921	0.00541	0.00636	0.00937
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.00139	0.00182	0.00236	0.00141	0.00174	0.00234
Vanadium, total (T-V)	mg/L	0.005	-	0.00103	0.00127	0.00149	0.00098	0.0012	0.00155
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals									
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000043	0.000044	0.000063	0.000051	0.000055	0.000073
Copper, dissolved (D-Cu)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00658	0.00282	0.00191	0.00439	0.00263	0.00229
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	3.35	4.8	6.25	3.93	4.86	6.46
Vanadium, dissolved (D-V)	mg/L	-	-	0.00082	0.00111	0.0015	0.0009	0.00109	0.00147
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0016	<0.0010	0.0012	0.0014	<0.0010	0.0013
Polycyclic Aromatic Hydrocarbons (PAHs)									
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)									
Benzene	mg/L	0.11	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.25	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

Notes:
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] Induced guidelines for change from background conditions arising from discharges to the aquatic environment. Salinity WQG was not evaluated. The water quality data presented in the table were collected when the site was discharging intermittently for <24 hours, therefore the turbidity and TSS short-term WQGs were evaluated. Background conditions at each depth (0.5 and 2 m below surface and 2 m above the seafloor) were established from reference station WQR2 collected April 3 (Table G-3).
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

Table G-3:
Summary of Marine Water Quality Results Received at the Time of Reporting

Parameter	Unit	Lowest Applicable Guideline [1]		Reference Station WQR1	Reference Station WQR1	Reference Station WQR1	Reference Station WQR2	Reference Station WQR2	Reference Station WQR2
				0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				WQR1-0.5	WQR1-2m	WQR1-SF	WQR2-0.5	WQR2-2m	WQR2-SF
				VA26A7950-009	VA26A7950-010	VA26A7950-011	VA26A7985-001	VA26A7985-002	VA26A7985-003
		Long Term	Short Term	2026-04-02 9:48	2026-04-02 9:49	2026-04-02 9:51	2026-04-03 9:25	2026-04-03 9:25	2026-04-03 9:23
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	7.68	7.65	7.44	8.02	7.96	7.55
Specific Conductivity - Field	µS/cm	-	-	22510	39906	47051	34257	36937	45623
Temperature - Field	°C	-	-	7.5	8.3	9.1	8.5	8.6	8.8
Salinity - Field	ppt	Narrative [2]	-	13.49	25.27	30.35	21.38	23.22	29.31
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	1.68	1.71	1.5	1.8	2.05	0.88
TSS	mg/L	Narrative [2]	Narrative [2]	<2.0	2.7	<2.0	2.1	3	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	10.38	9.59	***6.37***	10.85	9.68	8.08
Total Hardness	mg/L	-	-	3770	3830	6510	3820	4350	5930
Dissolved Hardness	mg/L	-	-	3440	3720	5480	3950	4440	5820
Anions and Nutrients									
Sulphate	mg/L	-	-	1450	1640	2200	1500	1540	2060
Chloride	mg/L	-	-	11100	12300	16400	11100	11200	15100
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	2.9-13 [3]	19-85 [3]	0.0068	0.008	<0.0050	<0.0050	<0.0050	0.0059
Nitrite (N-NO_2)	mg/L	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate (N-NO_3)	mg/L	3.7	339	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	1.58	1.61	1.14	1.65	1.69	1.15
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.42	1.37	1.04	1.24	1.68	1.1
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	0.0291	0.0268	0.0141	0.0345	0.025	0.0172
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.00107	0.00102	0.00151	0.00093	0.00107	0.00142
Barium, total (T-Ba)	mg/L	-	-	0.0111	0.011	0.0098	0.01	0.0097	0.0099
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	***2.99***	***2.97***	***3.58***	***2.43***	***2.81***	***3.77***
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000049	0.000049	0.000081	0.00006	0.000052	0.000079
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000099	0.000091	0.000086	0.00009	0.000076	0.000067
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00063	0.00062	0.00128	0.00089	0.00057	<0.00050
Iron, total (T-Fe)	mg/L	-	-	0.084	0.075	0.017	0.081	0.052	0.015
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, total (T-Mn)	mg/L	0.1	-	0.00758	0.0068	0.00457	0.00758	0.00524	0.00374
Molybdenum, total (T-Mo)	mg/L	-	-	0.00644	0.00658	0.0103	0.00604	0.00688	0.00913
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.00172	0.00173	0.00257	0.00159	0.00178	0.00243
Vanadium, total (T-V)	mg/L	0.005	-	0.00124	0.0013	0.00173	0.00113	0.00125	0.00154
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals									
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000054	0.000056	0.000073	0.000052	0.000051	0.00007
Copper, dissolved (D-Cu)	mg/L	-	-	<0.00050	0.00061	<0.00050	0.00051	<0.00050	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00614	0.00517	0.00306	0.00506	0.00276	0.00211
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	0.00051	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	4.40	4.53	6.54	4.24	4.91	6.25
Vanadium, dissolved (D-V)	mg/L	-	-	0.00098	0.00109	0.00139	0.00102	0.00112	0.0014
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0010	<0.0010	0.0022	<0.0010	<0.0010	0.0017
Polycyclic Aromatic Hydrocarbons (PAHs)									
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	0.000018	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	0.000034	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	0.000097	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)									
Benzene	mg/L	0.11	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.25	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	<0.00040	<0.00040	<0.00040	0.00059	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

Notes:
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] Induced guidelines for change from background conditions arising from discharges to the aquatic environment. Salinity WQG was not evaluated. The water quality data presented in the table are marine reference stations and represent background conditions, therefore the turbidity and TSS WQGs were not evaluated.
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

Table G-4:
Summary of Marine Water Quality Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		Station IDZ-E1	Station IDZ-E1	Station IDZ-E1	Station IDZ-E2	Station IDZ-E2	Station IDZ-E2
				0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				IDZ-E1-0.5	IDZ-E1-2m	IDZ-E1-SF	IDZ-E2-0.5	IDZ-E2-2m	IDZ-E2-SF
				VA26A8583-001	VA26A8583-002	VA26A8583-003	VA26A8583-004	VA26A8583-005	VA26A8583-006
		Long Term	Short Term	2026-04-10 12:02	2026-04-10 12:02	2026-04-10 12:01	2026-04-10 11:15	2026-04-10 11:15	2026-04-10 11:12
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	8.14	7.9	7.49	8.33	7.79	7.51
Specific Conductivity - Field	µS/cm	-	-	36189	41321	46629	28663	43939	47166
Temperature - Field	℃	-	-	9.2	8.9	9	9.3	8.9	9.1
Salinity - Field	ppt	Narrative [2]	-	22.74	26.29	30.05	17.62	28.13	30.43
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	7.91	2.45	1.07	1.59	2.6	0.56
TSS	mg/L	Narrative [2]	Narrative [2]	3.7	7.9	3.3	2.5	7.9	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	10.69	8.42	***6.59***	11.13	***7.76***	***6.78***
Total Hardness	mg/L	-	-	2840	4560	6000	1710	4770	6150
Dissolved Hardness	mg/L	-	-	2380	2990	5310	1720	3350	5310
Anions and Nutrients									
Sulphate	mg/L	-	-	1080	1890	2240	783	1860	2340
Chloride	mg/L	-	-	7820	13400	15900	5730	13100	16500
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	1.8-13 [3]	12-85 [3]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate (N-NO_3)	mg/L	3.7	339	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	2.57	2.43	1.08	2.63	2.35	0.92
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.67	1.63	1.05	1.53	1.24	0.98
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	0.0706	0.0325	0.0216	0.282	0.0323	0.0154
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.00073	0.00125	0.0015	0.00067	0.00116	0.00162
Barium, total (T-Ba)	mg/L	-	-	0.009	0.0097	0.01	0.0085	0.0096	0.0095
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	***1.66***	***2.22***	***2.99***	1.13	***2.42***	***2.88***
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000037	0.000065	0.000092	<0.000020	0.000059	0.000082
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00063
Cobalt, total (T-Co)	mg/L	-	-	0.000082	0.000077	0.000078	0.000083	0.000079	0.000075
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00068	0.00059	<0.00050	0.00067	0.00053	0.00054
Iron, total (T-Fe)	mg/L	-	-	0.097	0.053	0.023	0.104	0.051	0.013
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, total (T-Mn)	mg/L	0.1	-	0.00693	0.00475	0.00311	0.00946	0.00474	0.00323
Molybdenum, total (T-Mo)	mg/L	-	-	0.00548	0.00825	0.0102	0.00924	0.00811	0.0104
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.00138	0.00218	0.00278	0.00153	0.00219	0.00281
Vanadium, total (T-V)	mg/L	0.005	-	0.00095	0.0014	0.00159	0.00084	0.00141	0.00159
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals									
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000035	0.000051	0.000068	<0.000020	0.000051	0.00008
Copper, dissolved (D-Cu)	mg/L	-	-	<0.00050	<0.00050	<0.00050	0.0006	<0.00050	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00557	0.00425	0.00118	0.00714	0.00364	0.00175
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	2.96	3.91	6.34	2.16	4.05	6.59
Vanadium, dissolved (D-V)	mg/L	-	-	0.00081	0.00093	0.00148	0.00061	0.00094	0.0015
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0010	0.0021	<0.0010	<0.0010	<0.0010	0.0014
Polycyclic Aromatic Hydrocarbons (PAHs)									
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	0.000014	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	0.000027	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050	0.000063	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)									
Benzene	mg/L	0.11	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.25	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	<0.00040	<0.00040	<0.00040	<0.00040	0.00043	<0.00040
Total Xylenes	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

Notes:
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] Induced guidelines for change from background conditions arising from discharges to the aquatic environment. Salinity WQG was not evaluated. The water quality data presented in the table were collected when the site was discharging intermittently for <24 hours, therefore the turbidity and TSS short-term WQGs were evaluated. Background conditions at each depth (0.5 and 2 m below surface and 2 m above the seafloor) were established from reference station WQR1 collected April 10 (Table G-6).
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

Table G-5:
Summary of Marine Water Quality Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		Station IDZ-W1	Station IDZ-W1	Station IDZ-W1	Station IDZ-W2	Station IDZ-W2	Station IDZ-W2
				0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				IDZ-W1-0.5	IDZ-W1-2m	IDZ-W1-SF	IDZ-W2-0.5	IDZ-W2-2m	IDZ-W2-SF
				VA26A8436-001	VA26A8436-002	VA26A8436-003	VA26A8436-004	VA26A8436-005	VA26A8436-006
		Long Term	Short Term	2026-04-09 10:10	2026-04-09 10:09	2026-04-09 10:04	2026-04-09 11:01	2026-04-09 10:59	2026-04-09 10:53
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	8.57	8.34	7.51	8.52	8.32	7.47
Specific Conductivity - Field	µS/cm	-	-	14139	36073	47294	19204	38908	47316
Temperature - Field	℃	-	-	9.1	9.3	9.1	9	9.4	9.2
Salinity - Field	ppt	Narrative [2]	-	8.19	22.66	30.53	11.4	24.63	30.54
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	1.81	1.74	0.54	1.68	1.5	0.75
TSS	mg/L	Narrative [2]	Narrative [2]	<2.0	2.9	<2.0	2.6	3.0	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	13.56	11.63	***7.16***	13.86	11.64	***6.05***
Total Hardness	mg/L	-	-	1170	3800	5910.00	2110	3000	5580
Dissolved Hardness	mg/L	-	-	1160	2840	5620.00	2310	4230	5440
Anions and Nutrients									
Sulphate	mg/L	-	-	490	1480	2260	934	968	2300
Chloride	mg/L	-	-	3720	10700	16200	6880	7080	16500
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	1.2-13 [3]	7.9-85 [3]	0.0074	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate (N-NO_3)	mg/L	3.7	339	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	1.78	2.5	1.02	2.12	2.08	0.97
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.73	1.29	0.97	1.42	1.28	1.01
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	0.0719	0.0155	0.0149	0.0516	0.0486	0.0126
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.00041	0.00114	0.00151	0.0006	0.00071	0.00151
Barium, total (T-Ba)	mg/L	-	-	0.0081	0.0094	0.0093	0.0089	0.0101	0.0095
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	0.87	***2.21***	***3.04***	***1.42***	***1.99***	***2.85***
Cadmium, total (T-Cd)	mg/L	0.00012	-	<0.000020	0.000055	0.00008	0.00003	0.000045	0.000078
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000083	0.000068	0.000073	0.000088	0.000083	0.000069
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00065	0.00054	<0.00050	0.00071	0.00067	<0.00050
Iron, total (T-Fe)	mg/L	-	-	0.142	0.043	0.022	0.125	0.123	<0.010
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, total (T-Mn)	mg/L	0.1	-	0.00857	0.00373	0.00356	0.00791	0.00765	0.00342
Molybdenum, total (T-Mo)	mg/L	-	-	0.00253	0.00749	0.00957	0.00405	0.00412	0.00998
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.00076	0.00188	0.00261	0.0011	0.00111	0.00256
Vanadium, total (T-V)	mg/L	0.005	-	0.00082	0.00126	0.00158	0.00093	0.00097	0.00159
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals									
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000021	0.000048	0.000073	0.000033	0.000045	0.000076
Copper, dissolved (D-Cu)	mg/L	-	-	0.00053	<0.00050	<0.00050	<0.00050	0.00054	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	0.029	<0.010	<0.010	0.013	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00715	0.00436	0.00179	0.00601	0.00392	0.00175
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	1.47	3.84	6.65	2.91	3.94	6.66
Vanadium, dissolved (D-V)	mg/L	-	-	0.0005	0.00083	0.00151	0.00076	0.00097	0.00151
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0010	<0.0010	0.0026	<0.0010	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)									
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)									
Benzene	mg/L	0.11	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.25	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

Notes:
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] Induced guidelines for change from background conditions arising from discharges to the aquatic environment. Salinity WQG was not evaluated. The water quality data presented in the table were collected when the site was discharging intermittently for <24 hours, therefore the turbidity and TSS short-term WQGs were evaluated. Background conditions at each depth (0.5 and 2 m below surface and 2 m above the seafloor) were established from reference station WQR2 collected April 9 (Table G-6).
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

Table G-6:
Summary of Marine Water Quality Results Received at the Time of Reporting

Parameter	Unit	Lowest Applicable Guideline [1]		Reference Station WQR1	Reference Station WQR1	Reference Station WQR1	Reference Station WQR2	Reference Station WQR2	Reference Station WQR2
				0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				WQR1-0.5	WQR1-2m	WQR1-SF	WQR2-0.5	WQR2-2m	WQR2-SF
				VA26A8583-007	VA26A8583-008	VA26A8583-009	VA26A8436-007	VA26A8436-008	VA26A8436-009
		Long Term	Short Term	2026-04-10 10:14	2026-04-10 10:14	2026-04-10 10:11	2026-04-09 14:01	2026-04-09 14:00	2026-04-09 13:57
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	8.43	8.22	7.46	8.66	8.47	7.45
Specific Conductivity - Field	µS/cm	-	-	28761	35037	47308	27618	39525	47307
Temperature - Field	°C	-	-	9.1	9	9.1	10	9.5	9.2
Salinity - Field	ppt	Narrative [2]	-	17.68	21.93	30.54	16.94	25.07	30.54
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	1.43	2.25	0.3	1.62	1.31	0.32
TSS	mg/L	Narrative [2]	Narrative [2]	3.8	4.0	<2.0	2.5	4.3	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	11.74	8.82	***6.70***	15.8	13.6	***6.94***
Total Hardness	mg/L	-	-	3240	3360	5930	2570	3650	5260
Dissolved Hardness	mg/L	-	-	2390	3400	5190	2110	3520	5190
Anions and Nutrients									
Sulphate	mg/L	-	-	1310	1400	2280	1070	1590	2300
Chloride	mg/L	-	-	9480	10100	16200	7860	11400	16400
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	0.53-13 [3]	3.5-85 [3]	<0.0050	<0.0050	<0.0050	0.0051	<0.0050	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate (N-NO_3)	mg/L	3.7	339	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	2.14	2.09	0.94	2.06	2.32	0.97
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.28	1.09	0.98	1.49	1.32	1.01
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	0.0377	0.0346	0.0118	0.0378	0.0214	0.0084
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.00091	0.00093	0.00164	0.00069	0.00088	0.00144
Barium, total (T-Ba)	mg/L	-	-	0.0096	0.0094	0.0097	0.0095	0.0095	0.009
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	***1.86***	***1.79***	***2.78***	***1.57***	***2.10***	***2.71***
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000053	0.000041	0.000075	0.000038	0.000057	0.000083
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.00008	0.000088	0.000063	0.000084	0.000072	0.000062
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00066	0.00064	<0.00050	0.00066	0.00057	<0.00050
Iron, total (T-Fe)	mg/L	-	-	0.09	0.084	<0.010	0.103	0.058	0.014
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, total (T-Mn)	mg/L	0.1	-	0.00645	0.00589	0.00278	0.0072	0.00428	0.00224
Molybdenum, total (T-Mo)	mg/L	-	-	0.00602	0.00616	0.0104	0.0048	0.00678	0.00941
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.0016	0.00159	0.00281	0.00127	0.00176	0.00257
Vanadium, total (T-V)	mg/L	0.005	-	0.00108	0.00112	0.00159	0.00101	0.00112	0.00153
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals									
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000034	0.000038	0.000079	0.000038	0.000047	0.00007
Copper, dissolved (D-Cu)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00565	0.00354	0.00105	0.00622	0.0028	0.00095
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	3.08	4.3	6.7	2.72	4.56	6.6
Vanadium, dissolved (D-V)	mg/L	-	-	0.0007	0.00099	0.00146	0.00073	0.001	0.00147
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0010	<0.0010	0.0028	<0.0010	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)									
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)									
Benzene	mg/L	0.11	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.25	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

Notes:
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] Induced guidelines for change from background conditions arising from discharges to the aquatic environment. Salinity WQG was not evaluated. The water quality data presented in the table are marine reference stations and represent background conditions, therefore the turbidity and TSS WQGs were not evaluated.
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

Table G-7:
Marine Water Methylmercury and Corresponding Total Mercury Results Received at the Time of Reporting.

Parameter					**Total Methylmercury**	**Total Mercury**
Unit					**µg/L**	**µg/L**
Lowest Applicable Guideline[1]					0.0001 [2]	0.0086-0.016 [3,4]
Station	**Position in Water Column**	**Sample ID**	**Lab ID**	**Sampling Date**		
Station IDZ-E1						
IDZ-E1	0.5 m Below Surface	IDZ-E1-0.5	VA26A7389-001	2026-03-27	<0.000020	<0.0050
IDZ-E1	2 m Below Surface	IDZ-E1-2m	VA26A7389-002	2026-03-27	<0.000020	<0.0050
IDZ-E1	2 m Above Seafloor	IDZ-E1-SF	VA26A7389-003	2026-03-27	<0.000020	<0.0050
IDZ-E1	0.5 m Below Surface	IDZ-E1-0.5	VA26A7950-001	2026-04-02	<0.000020	<0.0050
IDZ-E1	2 m Below Surface	IDZ-E1-2m	VA26A7950-002	2026-04-02	<0.000020	<0.0050
IDZ-E1	2 m Above Seafloor	IDZ-E1-SF	VA26A7950-003	2026-04-02	<0.000020	<0.0050
IDZ-E1	2 m Above Seafloor	IDZ-E1-SF-DUP	VA26A7950-004	2026-04-02	<0.000020	<0.0050
Station IDZ-E2						
IDZ-E2	0.5 m Below Surface	IDZ-E2-0.5	VA26A7389-004	2026-03-27	0.000023	<0.0050
IDZ-E2	2 m Below Surface	IDZ-E2-2m	VA26A7389-005	2026-03-27	<0.000020	<0.0050
IDZ-E2	2 m Above Seafloor	IDZ-E2-SF	VA26A7389-006	2026-03-27	<0.000020	<0.0050
IDZ-E2	0.5 m Below Surface	IDZ-E2-0.5	VA26A7950-006	2026-04-02	<0.000020	<0.0050
IDZ-E2	2 m Below Surface	IDZ-E2-2m	VA26A7950-007	2026-04-02	<0.000020	<0.0050
IDZ-E2	2 m Above Seafloor	IDZ-E2-SF	VA26A7950-008	2026-04-02	<0.000020	<0.0050
Station IDZ-W1						
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5	VA26A7431-001	2026-03-28	<0.000020	<0.0050
IDZ-W1	2 m Below Surface	IDZ-W1-2m	VA26A7431-002	2026-03-28	<0.000020	<0.0050
IDZ-W1	2 m Above Seafloor	IDZ-W1-SF	VA26A7431-003	2026-03-28	<0.000020	<0.0050
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5	VA26A7985-004	2026-04-03	<0.000020	<0.0050
IDZ-W1	2 m Below Surface	IDZ-W1-2m	VA26A7985-005	2026-04-03	0.000025	<0.0050
IDZ-W1	2 m Above Seafloor	IDZ-W1-SF	VA26A7985-006	2026-04-03	<0.000020	<0.0050
Station IDZ-W2						
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA26A7431-004	2026-03-28	<0.000020	<0.0050
IDZ-W2	2 m Below Surface	IDZ-W2-2m	VA26A7431-005	2026-03-28	<0.000020	<0.0050
IDZ-W2	2 m Above Seafloor	IDZ-W2-SF	VA26A7431-006	2026-03-28	<0.000020	<0.0050
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA26A7985-007	2026-04-03	<0.000020	<0.0050
IDZ-W2	2 m Below Surface	IDZ-W2-2m	VA26A7985-008	2026-04-03	<0.000020	<0.0050
IDZ-W2	2 m Above Seafloor	IDZ-W2-SF	VA26A7985-009	2026-04-03	0.000033	<0.0050
Reference Station WQR1						
WQR1	0.5 m Below Surface	WQR1-0.5	VA26A7389-007	2026-03-27	0.000021	<0.0050
WQR1	2 m Below Surface	WQR1-2m	VA26A7389-008	2026-03-27	0.000058	<0.0050
WQR1	2 m Above Seafloor	WQR1-SF	VA26A7389-009	2026-03-27	<0.000020	<0.0050
WQR1	0.5 m Below Surface	WQR1-0.5	VA26A7950-009	2026-04-02	<0.000020	<0.0050
WQR1	2 m Below Surface	WQR1-2m	VA26A7950-010	2026-04-02	0.000057	<0.0050
WQR1	2 m Above Seafloor	WQR1-SF	VA26A7950-011	2026-04-02	0.000024	<0.0050
Reference Station WQR2						
WQR2	0.5 m Below Surface	WQR2-0.5	VA26A7431-007	2026-03-28	<0.000020	<0.0050
WQR2	2 m Below Surface	WQR2-2m	VA26A7431-008	2026-03-28	<0.000020	<0.0050
WQR2	2 m Above Seafloor	WQR2-SF	VA26A7431-009	2026-03-28	<0.000020	<0.0050
WQR2	0.5 m Below Surface	WQR2-0.5	VA26A7985-001	2026-04-03	<0.000020	<0.0050
WQR2	2 m Below Surface	WQR2-2m	VA26A7985-002	2026-04-03	<0.000020	<0.0050
WQR2	2 m Above Seafloor	WQR2-SF	VA26A7985-003	2026-04-03	<0.000020	<0.0050

Notes:
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine aquatic life.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] From BC Ambient Water Quality Guidelines for Mercury Overview Report. The methylmercury concentration threshold of 0.0001 µg/L (0.1 ng/L) is indicated as a WQG for the protection of wildlife and is set at a concentration that protects fish from mercury bioaccumulation to a level that may harm wildlife that consume fish.
[3] CCME guideline for total mercury = 0.016 µg/L.
[4] When MeHg ≤ 0.5% of total Hg, BC WQG = 0.02 µg/L. When MeHg > 0.5% of total Hg, BC WQG = 0.0001/(MeHg/Total Hg). Detection limit values are used to calculate the WQG for result reported as not detected. Non-detect results are screened using the detection limit value.

Table G-8:
Marine Water Dioxin and Furan Toxicity Equivalency Quantity (TEQ) Results Received at the Time of Reporting.

Parameter					**Lower Bound PCDD/F TEQ**	**Upper Bound PCDD/F TEQ**
Unit					**pg/L**	**pg/L**
Station	**Position in Water Column**	**Sample ID**	**Lab ID**	**Sampling Date**		
Station IDZ-E1						
IDZ-E1	0.5 m Below Surface	IDZ-E1-0.5	VA26A6837-001	2026-03-22	0.594	1.64
IDZ-E1	2 m Below Surface	IDZ-E1-2m	VA26A6837-002	2026-03-22	0	1.79
IDZ-E1	2 m Above Seafloor	IDZ-E1-SF	VA26A6837-003	2026-03-22	0	1.30
Station IDZ-E2						
IDZ-E2	0.5 m Below Surface	IDZ-E2-0.5	VA26A6837-004	2026-03-22	0	1.53
IDZ-E2	2 m Below Surface	IDZ-E2-2m	VA26A6837-005	2026-03-22	0	1.58
IDZ-E2	2 m Above Seafloor	IDZ-E2-SF	VA26A6837-006	2026-03-22	0	2.22
Station IDZ-W1						
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5	VA26A6164-004	2026-03-16	0	1.25
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5-DUP	VA26A6164-005	2026-03-16	0	1.97
IDZ-W1	2 m Below Surface	IDZ-W1-2m	VA26A6164-007	2026-03-16	0	2.58
IDZ-W1	2 m Above Seafloor	IDZ-W1-SF	VA26A6164-008	2026-03-16	0.00312	2.54
Station IDZ-W2						
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA26A6164-009	2026-03-16	0	2.73
IDZ-W2	2 m Below Surface	IDZ-W2-2m	VA26A6164-010	2026-03-16	0	2.55
IDZ-W2	2 m Above Seafloor	IDZ-W2-SF	VA26A6164-011	2026-03-16	0	3.12
Reference Station WQR1						
WQR1	0.5 m Below Surface	WQR1-0.5	VA26A6837-007	2026-03-22	0	2.42
WQR1	2 m Below Surface	WQR1-2m	VA26A6837-008	2026-03-22	0.00195	1.45
WQR1	2 m Above Seafloor	WQR1-SF	VA26A6837-009	2026-03-22	0.00117	3.2
Reference Station WQR2						
WQR2	0.5 m Below Surface	WQR2-0.5	VA26A6164-001	2026-03-16	0	2.33
WQR2	2 m Below Surface	WQR2-2m	VA26A6164-002	2026-03-16	0	2.37
WQR2	2 m Above Seafloor	WQR2-SF	VA26A6164-003	2026-03-16	0	1.89

Notes:
PCDD = polychlorinated dibenzodioxins (dioxins)
PCDF = polychlorinated dibenzofurans (furans)
TEQ = toxic equivalency
Lower bound PCDD/F TEQ is the sum of the toxic equivalency results for the individual PCDD/F parameters. Non-detectable parameters are assigned a value of zero (0).
Upper bound PCDD/F TEQ is the sum of the toxic equivalency results for the individual PCDD/F parameters. Non-detectable parameters are assigned the value of the detection limit.