



TECHNICAL MEMORANDUM

To: Ian McAllister, Ashleigh Crompton, Mike Champion,
Mark Zan and Ryan Schucroft (Woodfibre LNG) **Date:** 27 Feb 2026

From: Holly Pelletier and Cheng Kuang (Lorax) **Project #:** A825-1

Subject: PE-111578 Weekly Discharge and Compliance Report #102 for February 15 – 21

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 #102) was prepared by Lorax and summarizes WDA monitoring conducted for the period of February 15 – 21. 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 #102 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 F 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 m³/day (East WWTP) and 120 m³/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 m³/day of contact water and consists of six parallel treatment trains (Trains 1 to 6), each with an installed capacity of 2,450 m³/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 February 15 – 21 monitoring period, with precipitation recorded on February 15 (0.4 mm), February 16 (6.2 mm), February 18 (2.4 mm) and February 21 (6.8 mm). The total precipitation amount during the monitoring period was 15.8 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
2026-02-15	0.4	7.7	0.4	Overcast
2026-02-16	6.2	4.5	1.5	Scattered Showers
2026-02-17	0	6.8	1.1	Overcast
2026-02-18	2.4	3	-0.5	Clear
2026-02-19	0	5.9	-1.7	Clear
2026-02-20	0	2.9	-2.6	Clear
2026-02-21	6.8	5.7	0.8	Scattered Showers

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

From February 15 – 21, the East Sedimentation Pond received water from the 6403 Sump, the MOF Sump and recirculated effluent from the East WWTP (Appendix A, Figure 2). A total of 32 m³ from the East Sedimentation Pond was transferred to the West Sedimentation Pond from February 15 – 21 (Appendix B, Table B-5).

Routine operation of the East WWTP continued during the monitoring period (February 15 – 21). Concrete contact water and water from the Wash Bay and Hydrovac Pit 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 (February 15 – 21) except on February 20 when the East WWTP was not operated. Daily water volumes processed by the East WWTP are provided in Appendix B (Table B-5).

From February 15 – 21, the West Sedimentation Pond received water from the Area 4100 and Area 4200 Sumps, the East Sedimentation Pond 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 each day during the monitoring period (February 15 – 21) and either recirculated back to the pond or intermittently discharged to Howe Sound. A total of 1,053 m³ of clarified effluent was intermittently discharged to Howe Sound from station SP-W-OUT on February 15, 18 and 21. 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-6).

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 manhole.
- 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 SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN, WWTP-E-OUT, SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700T1-OUT and W2700T2-OUT during the monitoring period (February 15 – 21). Sampling dates and parameters tested are summarized in Table 2.

Overall, the PE-111578 monitoring requirements that were applicable during the monitoring period (February 15 – 21) 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 (February 15 – 21). Daily field parameters were not collected at the west catchment compliance station (SP-W-OUT) on February 16, 17, 19, 20 and 21 as there was no discharge to Howe Sound from the West Sedimentation Pond at the time of monitoring. Daily field parameters were not collected at the influent and effluent stations of the East WWTP (WWTP-E-IN and WWTP-E-OUT, respectively) on February 16 and 20 as the East WWTP was not operated at the time of monitoring. 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 (February 15 – 21).

**Table 2:
Summary of PE-111578 Monitoring Samples Collected February 15 – 21.**

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
February 15, 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 manifold that combines effluent from the individual 2700GPM trains into a single discharge line configured with a SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
February 16, 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
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
February 17, 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		
	COMB-WWTP-E-IN	Combined East WWTP influent from the concrete contact water treatment stream and the East Sedimentation Pond, collected from the heated frac tank	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	P
	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
February 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, 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		
February 19, 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	Field & Physical Parameters, Total, Dissolved and Speciated Metals.	D, M ₂
	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
February 20, 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
February 21, 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

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.M₂ – bi-monthly monitoring for physical parameters at WWTP and sedimentation pond 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 #102) are listed below in Table 3, with additional field measurements presented in Table B-5 (Appendix B) and Table C-6 (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 January 11 (dioxins and furans);
- SP-W-IN, 2700GPM-IN and SP-W-OUT collected February 1 (dioxins and furans);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected February 3 (dioxins and furans);
- SW-02, SW-03 and SW-07 collected February 7 (dioxins and furans);
- SW-01 and SW-04 collected February 8 (dioxins and furans);
- WWTP-E-OUT and SP-W-OUT collected February 9 (acute toxicity);
- IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1 and WQR2 collected February 9 (dioxins and furans, chronic toxicity);
- WWTP-E-OUT collected February 19 (all analytical parameters).

**Table 3:
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #102.**

Sample	Description	Sampling Date	Parameters Reported
SW-01	Lower Reach of Woodfibre Creek (near the mouth)	January 5, 2026	Dioxins and Furans.
SW-02	Lower Reach of Mill Creek (upstream of the third bridge)		
SW-03	Mill Creek Estuary		
SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)		
SW-07	Upstream Mill Creek (at the diversion inlet)		
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 new SP-W-OUT sampling port	January 11, 2026	Dioxins and Furans.
2700GPM-IN	2700GPM TSS settling system at the influent meter box		
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	January 14, 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		
SW-02	Lower Reach of Mill Creek (upstream of the third bridge)	February 7, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, and Methylmercury.
SW-03	Mill Creek Estuary		
SW-07	Upstream Mill Creek (at the diversion inlet)		
SW-01	Lower Reach of Woodfibre Creek (near the mouth)	February 8, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, and Methylmercury.
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	February 9, 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		
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		
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		
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		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	February 12, 2026	Total Mercury and Methylmercury.
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		
COMB-WWTP-E-IN	Combined East WWTP influent from the concrete contact water treatment stream and the East Sedimentation Pond, collected from the heated frac tank		
WWTP-E-OUT	East WWTP at the effluent meter box	February 14, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, and Hexavalent Chromium.

**Table 3 (continued):
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #102.**

Sample	Description	Sampling Date	Parameters Reported
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	February 17, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, and Methylmercury.
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		
COMB-WWTP-E-IN	Combined East WWTP influent from the concrete contact water treatment stream and the East Sedimentation Pond, collected from the heated frac tank		
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	February 18, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, and Methylmercury.
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 new 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. 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 February 15 – 21, as well as analytical results for samples collected February 14 (station WWTP-E-OUT) and February 17 (stations SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN and WWTP-E-OUT). Field measurements for the East WWTP effluent samples (WWTP-E-OUT) collected February 15 – 21 and the analytical samples collected February 14 and 17 met MDOs except for total copper and total zinc on February 14 and hexavalent chromium on February 14 and 17 (Appendix B, Table B-1 and Table B-3). Follow-up actions for these metals are tracked in Table 5.

East WWTP effluent was directed to the East Sedimentation Pond and there was no discharge from the pond to Howe Sound from February 15 – 21 (Section 1.2; Table B-5 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 1,053 m³ of clarified sedimentation pond effluent from the 2700GPM TSS Settling System was intermittently discharged to Howe Sound from SP-W-OUT on February 15, 18 and 21.

Results are presented for field measurements of influent and effluent quality for the West Sedimentation Pond and the 2700GPM TSS settling system collected February 15 – 21, as well as analytical samples collected February 18 (stations SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700T1-OUT and W2700T2-OUT). Field measurements collected February 15 – 21 and the analytical samples collected at SP-W-OUT on February 18 met PE-111578 discharge limits and WQGs (Appendix C, Table C-2, C-3 and C-5).

Dioxins and furans results were available at the time of reporting for 2700GPM TSS settling system influent as well as clarified sedimentation pond effluent from the 2700GPM TSS settling system that was discharged to Howe Sound from SP-W-OUT on January 11 (as discussed in Report #97). Results are presented in Appendix C, Table C-4.

3.5 Non-Contact Water Diversion Ditch Outlets

There are no outstanding analytical results for non-contact water diversion ditch samples at the time of reporting.

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 February 7 as well as near the mouth of Woodfibre Creek and East Creek (stations SW-01 and SW-04, respectively) on January 8 (as discussed in Reports #100 and #101, respectively). The analytical results, field parameters, and WQGs are summarized in Appendix D (freshwater) and Appendix E (estuarine water).

Parameter concentrations met WQGs except total aluminum and dissolved copper in some of the freshwater samples (Appendix D, Table D-1). Total aluminum was above the long-term WQG in samples collected from Woodfibre Creek (0.194 mg/L) and East Creek (0.544 mg/L). Dissolved

copper was above the short- and long-term WQGs in the sample collected from East Creek (0.00064 mg/L).

The total aluminum and dissolved copper concentrations observed at downstream freshwater stations (SW-01, SW-02 and SW-04) are within ranges observed in the pre-construction baseline monitoring program (0.0158 to 0.294 mg/L for total aluminum in Woodfibre and East Creek and 0.00020 to 0.00105 mg/L for dissolved copper in East Creek) or within ranges observed at background stations for the freshwater receiving environment (0.0239 to 0.411 mg/L for total aluminum and <0.00020 to 0.00137 mg/L for dissolved copper) except for total aluminum in East Creek on February 8 (Table 4). The corresponding dissolved aluminum concentration (0.121 mg/L) and detectable TSS concentrations and field turbidity (7.8 mg/L and 1.99 NTU) indicate that aluminum is predominantly in the particulate-bound forms of the metal. Potential sources of total aluminum to East Creek will be reviewed. This item is tracked in Table 5.

Table 4:
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	0.312	1	1	Total aluminum measured in East Creek (SW-04) on February 9 (0.544 mg/L) was 1.7 times greater than the WQG. The total aluminum concentration was 2.1 times greater than the maximum concentration observed in the pre-construction baseline monitoring program at East Creek (0.264 mg/L).

N = number of samples.

¹ The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal (ECCC) WQGs.

Methylmercury concentrations ranged from <0.000020 to 0.000098 µg/L in all samples and met the WQG. The corresponding total mercury results met the WQG. Results are tabulated in Appendix D, Table D-2 (freshwater) and Appendix E, Table E-2 (estuarine water).

Dioxins and furans 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) as well as near the mouth of Woodfibre Creek and East Creek (stations SW-01 and SW-04, respectively) on January 5 (as discussed in Report #96). The lower and upper bound PCDD/F TEQ concentrations measured in these samples ranged from 0 to 0.0173 pg/L and from 2.32 to 3.37 pg/L, respectively. The lower and upper bound PCDD/F TEQ concentrations were within the concentration ranges observed in the pre-construction baseline monitoring program (0 to 0.08 pg/L and 5.25 to 5.30 pg/L, respectively) or within ranges observed at background stations (0 to 0.610 pg/L and 0.431 to 4.24 pg/L). Results are tabulated in Appendix D, Table D-3 (freshwater) and Appendix E, Table E-3 (estuarine water).

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 February 9 (stations IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1 and WQR2), as discussed in Report #101. The analytical results, field parameters, and WQGs are summarized in Appendix F.

Parameter concentrations met WQGs except dissolved oxygen, total boron, and total copper in some samples (Appendix F; Tables F-1 through Table F-3). Dissolved oxygen ranged from 6.31 to 7.50 mg/L and was below the lower limit of the WQG (8 mg/L) in samples collected at 2 m above the seafloor at IDZ-E1, IDZ-W1, IDZ-W2, and reference stations WQR1 and WQR2 on February 9. Total boron was above the WQG (1.2 mg/L) and ranged from 2.16 to 3.45 mg/L in samples collected at 2 m below the surface and 2 m above the seafloor at stations IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1 and WQR2; as well as at 0.5 m below the surface at WQR1. Total copper was above the long-term WQG (0.002 mg/L) in the sample collected at 0.5 m below the surface at IDZ-E2 (0.0024 mg/L).

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 9.42 mg/L for dissolved oxygen and 0.0893 to 8.38 mg/L for total boron) or within ranges observed at marine reference stations (3.94 to 13.80 mg/L for dissolved oxygen and 0.30 to 5.06 mg/L for total boron).

Periodic exceedances of the total copper WQG at 0.5 m below the surface have been observed at marine reference stations. Note the 0.5 m depth was not monitored during the pre-construction baseline monitoring program. The total copper concentration observed at 0.5 m below the surface at station IDZ-E2 on February 9 was within the range of concentrations observed at marine reference stations (0.00051 to 0.00647 mg/L).

Methylmercury analytical results were available at the time of reporting for all marine water samples collected February 9 (stations IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1 and WQR2). For all samples, methylmercury concentrations ranged from <0.000020 to 0.000038 µg/L and met the WQG. The corresponding total mercury results met WQGs. Results are tabulated in Appendix F, Table F-3.

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 January 14 (stations IDZ-E1, IDZ-E2 and WQR1), as discussed in Report #97. For all samples, the lower bound PCDD/F TEQ concentrations ranged from 0 to 0.0777 pg/L and the upper bound PCDD/F TEQ concentrations

ranged from 0.746 to 1.32 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 F, Table F-5.

3.8 Quality Control

This section presents the results of the quality control (QC) evaluation for the PE-111578 weekly report (Table 5). 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 5. Any items flagged for follow-up are carried forward to future reports until they are closed.

**Table 5:
Weekly Report QC Evaluations and Ongoing Items**

QC Procedure	Observation	Investigation/Resolution
Reporting Period (February 15 – 21, Report #102)		
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 #102: Potential Project Influence	Total aluminum at East Creek above the WQG and the baseline concentration range.	Total aluminum concentration (0.544 mg/L) observed at the East Creek station (SW-04) on February 9 was 1.7 times greater than the WQG and 2.1 times greater than the maximum concentration observed in the pre-construction baseline monitoring program (0.264 mg/L). Potential influences to East Creek water quality at station SW-04 are being reviewed. This item remains open.
Report #102: WWTP Performance Evaluation	Total zinc above the MDO.	The total zinc concentration was 0.0185 mg/L in the sample collected at WWTP-E-OUT on February 14 and was above the MDO (0.0133 mg/L). The WWTP treatment performance for total zinc will continue to be evaluated in March 2026 to determine if this is an isolated event or a recurring issue that requires additional investigation. This item remains open.
Report #102: Pending Data	Analytical results not reported.	Analytical results for the treated water sample collected February 19 are pending and will be included in future weekly reports when available. This item remains open.
Ongoing Items from Previous Weekly Reports		
Report #96: Pending Data	Analytical results not reported.	Previously pending dioxins and furans results for receiving environment samples collected January 5 are included in Report #102. This item is closed.
Report #97: Pending Data	Analytical results not reported.	Previously pending dioxins and furans results for contact and treated water samples collected January 11 and receiving environment samples collected January 14 are included in Report #102. Dioxins and furans results for receiving environment samples collected January 11 are pending and will be included in future weekly reports when available. This item remains open.
Report #98: WWTP Performance Evaluation	Hexavalent chromium above the MDO.	This item was first noted in Report #98. Hexavalent chromium concentrations were 0.00154, 0.00153, 0.00224, 0.00270 and 0.00321 mg/L in the samples collected at WWTP-E-OUT on January 20, 28 and February 12, 14 and 17 respectively, and were above the MDO (0.0015 mg/L). Hexavalent chromium met the MDO in samples collected at WWTP-E-OUT on February 3 and 9 (0.00081 and 0.00138 mg/L, respectively). Pilot scale testing of modified pH within the East WWTP treatment system to evaluate copper treatment efficacy coincides with the period for which hexavalent chromium concentrations have been observed above the MDO. Pilot scale testing terminated on February 17 and the WWTP treatment performance for hexavalent chromium is expected to improve. The WWTP treatment performance for hexavalent chromium will continue to be evaluated through the end of February 2026. This item remains open.
Report #100: Pending Data	Analytical results not reported.	Previously pending field parameters and analytical results for receiving environment samples collected February 7 are included in Report #102. Dioxins and furans results for contact and treated water samples collected February 1 and 3 and for receiving environment samples collected February 7 are pending and will be included in future weekly reports when available. This item remains open.
Report #101: Non-compliant Discharge	Total copper above the discharge limit.	Total copper concentrations measured in duplicate samples collected at station SP-W-OUT on February 9 (0.00799 and 0.00466 mg/L) were 1.9 and 1.1 times greater than the PE-111578 discharge limit, respectively. BCER has been notified. Site investigation did not identify any likely sources of total copper contamination in the West Sedimentation Pond, the influent to the TSS settling system or at the SP-W-OUT sampling port. Effluent quality total copper results from the individual 2700GPM trains on February 9 and 11 were reviewed and met PE-111578 discharge limits. It is speculated the sample was influenced by non-homogeneous particle distribution at the sampling port (<i>i.e.</i> , “lack of sample representativeness”). The total copper results from the SP-W-OUT sample were considered unreliable and an isolated incident. This item is closed.
Report #101: WWTP Performance Evaluation	Total copper above the MDO.	This item was first noted in Report #101. Total copper concentrations were 0.00443 and 0.00493 mg/L in the samples collected at WWTP-E-OUT on February 12 and 14 and were above the MDO (0.0043 mg/L). However, total copper met the MDO in the sample collected at WWTP-E-OUT on February 17 (0.00245 mg/L). The WWTP treatment performance for total copper will continue to be evaluated in March 2026 to determine if this is an isolated event or a recurring issue that requires additional investigation. This item remains open.
Report #101: Pending Data	Analytical results not reported.	Previously pending field parameters and analytical results for receiving environment samples collected February 8 and 9 and for contact and treated water samples collected February 12 and 14 are included in Report #102. Dioxins and furans results for receiving environment samples collected February 8 and 9 as well as acute toxicity results for treated water samples collected February 9 and chronic toxicity results for receiving environment samples collected February 9 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

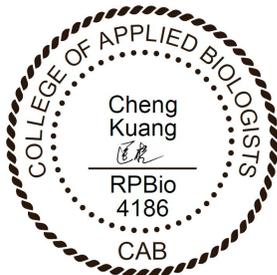
This weekly report is a desktop review by Lorax of the PE-111578 discharge and compliance monitoring program records, reports and results provided by Woodfibre LNG and prime contractor McDermott International and their sub-contractors. The records reviewed and analyzed by Lorax include ALS Environmental 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**



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

***Appendix A:
Figures and Site Images***



World Imagery: District of Squamish. Additional imagery provided by McDermott International captured February 2nd, 2026.

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:	Feb 27, 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

CLIENT:

PROJECT: **Woodfibre LNG Project Construction Phase**

TITLE: Site Layout and Water Quality Monitoring Stations for PE-111578 (February 21, 2026)

PROJECT #: A825-1

FIGURE: 1



Figure 2: East Catchment contact water management facilities (February 15 – 21).



Figure 3: West Catchment contact water management facilities (February 15 – 21).



Figure 4: Aerial view of the East Sedimentation Pond (February 20, 2026). The East WWTP is located on the left side of the pond.



Figure 5: Aerial view of the West Sedimentation Pond (February 20, 2026).

***Appendix B:
East Catchment Monitoring Results***

**Table B-1:
East WWTP Influent and Effluent Analytical Results Received at the Time of Reporting.**

Parameter	Unit	Lowest Applicable Guideline ¹		PE-111578 Discharge Limit	Station WWTP-E-IN	Station COMB-WWTP-E-IN	Station WWTP-E-OUT	Station WWTP-E-OUT
					Influent	Influent	Effluent	Effluent
		WWTP-E-IN	COMB-WWTP-E-IN		WWTP-E-OUT	WWTP-E-OUT		
		VA26A3729-003	VA26A3729-002		VA26A3636-001	VA26A3729-004		
				2026-02-17 9:28	2026-02-17 9:47	2026-02-14 15:20	2026-02-17 9:40	
General Parameters								
pH - Field	pH units	- ²	-	5.5 - 9.0	6.5	7.6	7.6	6.5
Specific Conductivity - Field	µS/cm	-	-	-	690	964	572	727
Temperature - Field	°C	-	-	-	6.9	6.4	8.1	7.8
Salinity - Field	ppt	-	-	-	0.34	0.48	0.28	0.36
Turbidity - Field	NTU	-	-	-	55.32	37.46	3.05	2.94
TSS	mg/L	-	-	25 or 75 ⁶	11.3	45.9	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	11.76	11.77	12.68	12.14
Total Hardness	mg/L	-	-	-	78	176	19	41.6
Dissolved Hardness	mg/L	-	-	-	70.9	127	18.8	39.8
Anions and Nutrients								
Sulphate	mg/L	-	-	-	156	327	145	226
Chloride	mg/L	-	-	-	4.79	4.67	4.86	4.99
Fluoride	mg/L	-	1.5	-	0.128	0.12	0.12	<0.100
Ammonia (N-NH ₃)	mg/L	7.2-29 ³	48-191 ³	-	<0.0050	0.0164	0.0111	0.0129
Nitrite (N-NO ₂)	mg/L	-	-	-	0.007	0.0096	0.0076	0.0095
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.242	0.322	0.267	0.251
Total Organic Carbon (TOC)	mg/L	-	-	-	3.72	3.48	2.11	2.36
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	2.34	2.76	2.07	2.39
Total Metals								
Aluminum, total (T-Al)	mg/L	-	-	-	2.84	1.92	0.0582	0.0368
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.0008	0.00083	0.00081	0.00077
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00143	0.00228	0.0012	0.00089
Barium, total (T-Ba)	mg/L	-	-	-	0.0359	0.0873	0.00206	0.00503
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000045	0.000042	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.029	0.034	0.029	0.023
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000400	<0.0000650	<0.0000550	<0.0000300
Chromium, total (T-Cr)	mg/L	-	-	-	0.00377	0.0244	0.00299	0.00354
Cobalt, total (T-Co)	mg/L	-	-	-	0.00081	0.00057	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.00348	0.006	0.00493	0.00245
Iron, total (T-Fe)	mg/L	-	-	-	2.06	1.52	<0.010	<0.010
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.00115	0.00129	0.000204	0.000146
Manganese, total (T-Mn)	mg/L	-	-	-	0.117	0.0758	0.0019	0.00331
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0691	0.153	0.0721	0.0976
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00083	0.00114	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000256	0.000823	0.000271	0.000351
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	<0.000010	0.000012	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.013	0.0112	0.00808	0.0119
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.00532	0.00503	0.00269	0.00157
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.0192	0.017	0.0185	0.0038
Hexavalent Chromium, total	mg/L	0.0015	-	-	0.00259	0.00884	0.00270	0.00321
Dissolved Metals								
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000300	<0.0000250	<0.0000200	<0.0000300
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00158	0.0018	0.0014	0.00243
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.014	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	<0.000050	0.000122
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0435	0.0375	0.00182	0.0034
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.183	0.393	0.0775	0.175
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00178	0.00208	0.00269	0.00149
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0077	0.0018	0.0013	0.0042
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	0.11	-	-	-	-	-	-
Ethylbenzene	mg/L	0.25	-	-	-	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-	-
Toluene	mg/L	0.215	-	-	-	-	-	-
Total Xylenes	mg/L	-	-	-	-	-	-	-
Chlorobenzene	mg/L	0.025	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	-	-	-

Notes:

East catchment influents and East WWTP effluent were not discharged to Howe Sound. 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 East Sedimentation Pond Discharge Limit.

The East Catchment did not discharge during the monitoring period (February 15 – 21).

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 When MeHg ≤ 0.5% of total Hg, the BC WQG = 0.00002 mg/L. The Canadian WQG = 0.000016 mg/L.

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 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-E-IN
		Long Term	Short Term		Influent
					VA26A3729-001 2026-02-17 10:06
General Parameters					
pH - Field	pH units	- ²	-	5.5 - 9.0	6.6
Specific Conductivity - Field	µS/cm	-	-	-	695
Temperature - Field	°C	-	-	-	7.2
Salinity - Field	ppt	-	-	-	0.34
Turbidity - Field	NTU	-	-	-	8.55
TSS	mg/L	-	-	25 or 75 ⁶	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	12.01
Total Hardness	mg/L	-	-	-	43.9
Dissolved Hardness	mg/L	-	-	-	40
Anions and Nutrients					
Sulphate	mg/L	-	-	-	142
Chloride	mg/L	-	-	-	4.76
Fluoride	mg/L	-	1.5	-	0.128
Ammonia (N-NH ₃)	mg/L	29 ³	191 ³	-	0.0121
Nitrite (N-NO ₂)	mg/L	-	-	-	0.0051
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.249
Total Organic Carbon (TOC)	mg/L	-	-	-	2.69
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	2.45
Total Metals					
Aluminum, total (T-Al)	mg/L	-	-	-	0.836
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.00084
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00175
Barium, total (T-Ba)	mg/L	-	-	-	0.0141
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.029
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000350
Chromium, total (T-Cr)	mg/L	-	-	-	0.0037
Cobalt, total (T-Co)	mg/L	-	-	-	0.00031
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.00238
Iron, total (T-Fe)	mg/L	-	-	-	0.671
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.000503
Manganese, total (T-Mn)	mg/L	-	-	-	0.0295
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.072
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.0005
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000268
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.0136
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.00382
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.0063
Hexavalent Chromium, total	mg/L	0.0015	-	-	0.00275
Dissolved Metals					
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000200
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00133
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00788
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.123
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00258
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0019
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	0.11	-	-	-
Ethylbenzene	mg/L	0.25	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-
Styrene	mg/L	-	-	-	-
Toluene	mg/L	0.215	-	-	-
Total Xylenes	mg/L	-	-	-	-
Chlorobenzene	mg/L	0.025	-	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	-

Notes:

East catchment influents and East WWTP effluent were not discharged to Howe Sound. 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** exceeded the PE-111578 East Sedimentation Pond Discharge Limit.

The East Catchment did not discharge during the monitoring period (February 15 – 21).

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 When MeHg ≤ 0.5% of total Hg, the BC WQG = 0.00002 mg/L. The Canadian WQG = 0.000016 mg/L.

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-3:
East Catchment 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	0.0055-0.016 ^{3,4}
Station	Water Type	Sample ID	Lab ID	Sampling Date		
Influent						
SP-E-IN	Influent	SP-E-IN	VA26A3466-001	2026-02-12	<u>0.000189</u>	<u>0.0104</u>
SP-E-IN	Influent	SP-E-IN	VA26A3729-001	2026-02-17	0.000077	0.00682
WWTP-E-IN	Influent	WWTP-E-IN	VA26A3466-002	2026-02-12	<u>0.000101</u>	<u>0.00638</u>
WWTP-E-IN	Influent	WWTP-E-IN	VA26A3729-003	2026-02-17	0.000078	0.00656
COMB-WWTP-E-IN	Influent	COMB-WWTP-E-IN	VA26A3466-006	2026-02-12	<u>0.000480</u>	<u>0.304</u>
COMB-WWTP-E-IN	Influent	COMB-WWTP-E-IN	VA26A3729-002	2026-02-17	<u>0.000229</u>	<u>0.136</u>
Effluent						
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA26A3466-003	2026-02-12	0.000056	0.00410
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA26A3729-004	2026-02-17	0.000060	0.00353

Notes:

East catchment influents and effluent were not discharged to Howe Sound. 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 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.

**Table B-4:
East Catchment Field Measurements Collected During the Monitoring Period (February 15 – 21).**

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	2026-02-15 11:58	7.4	12.50	0.30	31.42	26.4	7.1	622	No
SP-E-IN	Influent	2026-02-16 13:42	7.2	11.55	0.32	34.94	29.1	7.5	665	No
SP-E-IN	Influent	2026-02-17 10:06	7.2	12.01	0.34	8.55	9.4	6.6	695	No
SP-E-IN	Influent	2026-02-18 16:00	6.2	11.84	0.47	18.32	16.7	6.5	957	No
SP-E-IN	Influent	2026-02-19 12:18	4.5	12.67	0.49	19.54	17.6	7.6	992	No
SP-E-IN	Influent	2026-02-20 10:28	3.7	12.58	0.45	16.28	15.1	7.6	918	No
SP-E-IN	Influent	2026-02-21 13:53	3.9	12.84	0.44	11.72	11.7	7.2	904	No
WWTP-E-IN	Influent	2026-02-15 12:04	7.0	12.18	0.29	82.78	64.7	7.0	601	No
WWTP-E-IN	Influent	2026-02-17 9:28	6.9	11.76	0.34	55.32	44.3	6.5	690	No
WWTP-E-IN	Influent	2026-02-18 15:53	5.8	12.12	0.42	35.32	29.3	6.8	861	No
WWTP-E-IN	Influent	2026-02-19 12:22	5.1	12.43	0.42	36.67	30.3	6.9	863	No
WWTP-E-IN	Influent	2026-02-21 13:48	5.5	13.09	0.47	19.11	17.3	7.6	954	No
Effluent ⁵										
WWTP-E-OUT	Effluent	2026-02-15 12:24	8.2	12.10	0.32	2.39	4.8	6.7	655	No
WWTP-E-OUT	Effluent	2026-02-17 9:40	7.8	12.14	0.36	2.94	5.2	6.5	727	No
WWTP-E-OUT	Effluent	2026-02-17 15:29	8.9	11.38	0.42	2.93	5.2	6.7	854	No
WWTP-E-OUT	Effluent	2026-02-18 15:55	7.1	11.64	0.59	1.56	4.2	6.0	1189	No
WWTP-E-OUT	Effluent	2026-02-19 12:25	5.8	12.95	0.85	3.00	5.2	6.9	1673	No
WWTP-E-OUT	Effluent	2026-02-21 16:31	6.1	12.90	0.53	3.59	5.7	6.6	1064	No

Notes:

The east catchment did not discharge to Howe Sound during the monitoring period (February 15 – 21). 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 $TSS = 0.7458 * [\text{turbidity as NTU}] + 3$.

⁴ Daily field measurements for station SP-E-IN were collected from cell 1 of the East Sedimentation Pond. Daily field parameters were not collected at the influent station to the East WWTP (WWTP-E-IN) on February 16 and 20 as the East WWTP was not operated at the time of monitoring.

⁵ There was no discharge at the authorized discharge location (SP-E-OUT) during the monitoring period (February 15 – 21), therefore daily field measurements for SP-E-OUT were not collected on those days. Daily field parameters were not collected at the effluent station to the East WWTP (WWTP-E-OUT) on February 16 and 20 as the East WWTP was not operated 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 B-5:
East Catchment Daily Discharge Volumes for the Monitoring Period (February 15 – 21).**

	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	-	-	1100	- ¹
Date				
2026-02-15	0	0	500	0
2026-02-16	0	0	254	0
2026-02-17	0	0	509	0
2026-02-18	0	0	395	0
2026-02-19	0	0	486	0
2026-02-20	0	0	0	0
2026-02-21	0	32	212	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 m³/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 W2700T2-OUT
					Influent	Effluent	Effluent
		W2700-IN	W2700T1-OUT		W2700T2-OUT		
		VA26A3902-002 2026-02-18 11:01	VA26A3902-003 2026-02-18 11:46		VA26A3902-004 2026-02-18 11:24		
		Long Term	Short Term				
General Parameters							
pH - Field	pH units	- ²	-	5.5 - 9.0	7.9	7.9	7.9
Specific Conductivity - Field	µS/cm	-	-	-	414	415	416
Temperature - Field	°C	-	-	-	6.0	6.5	6.5
Salinity - Field	ppt	-	-	-	0.2	0.2	0.2
Turbidity - Field	NTU	-	-	-	3.63	2.83	2.17
TSS	mg/L	-	-	25 or 75 ⁶	5.2	5.2	3
Dissolved Oxygen - Field	mg/L	≥8	-	-	12.57	13.99	12.33
Total Hardness	mg/L	-	-	-	57.1	59.1	59.3
Dissolved Hardness	mg/L	-	-	-	61.9	59.9	62.1
Anions and Nutrients							
Sulphate	mg/L	-	-	-	100	100	100
Chloride	mg/L	-	-	-	3.65	3.66	3.66
Fluoride	mg/L	-	1.5	-	0.089	0.089	0.088
Ammonia (N-NH ₃)	mg/L	4.7 ³	31 ³	-	<0.0050	<0.0050	<0.0050
Nitrite (N-NO ₂)	mg/L	-	-	-	0.0074	0.0073	0.0073
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.117	0.118	0.12
Total Organic Carbon (TOC)	mg/L	-	-	-	1.59	1.93	1.34
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	1.66	1.66	1.53
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	0.176	0.0329	0.0333
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.00071	0.00073	0.00073
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00093	0.00081	0.00083
Barium, total (T-Ba)	mg/L	-	-	-	0.00385	0.00249	0.00255
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	<0.010	<0.010	<0.010
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000150	<0.0000100	<0.0000100
Chromium, total (T-Cr)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	<0.00010	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.00392	0.00076	0.00152
Iron, total (T-Fe)	mg/L	-	-	-	0.093	<0.010	<0.010
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.000199	<0.000050	0.000087
Manganese, total (T-Mn)	mg/L	-	-	-	0.0203	0.0165	0.0166
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0263	0.0269	0.0266
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000163	0.000158	0.000181
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000013	0.000012	0.000011
Uranium, total (T-U)	mg/L	-	-	-	0.0053	0.00514	0.0052
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.0007	<0.00050	<0.00050
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	<0.0030	<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	-	-	-	<0.0000100	<0.0000100	<0.0000100
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00085	0.00061	0.00059
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0166	0.0162	0.0163
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0877	0.0895	0.088
Vanadium, dissolved (D-V)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0015	<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	0.11	-	-	-	-	-
Ethylbenzene	mg/L	0.25	-	-	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-
Toluene	mg/L	0.215	-	-	-	-	-
Total Xylenes	mg/L	-	-	-	-	-	-
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 (February 15 – 21) on February 15, 18 and 21.

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 When MeHg ≤ 0.5% of total Hg, the BC WQG = 0.00002 mg/L. The Canadian WQG = 0.000016 mg/L.

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-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	Station SP-W-OUT
					Influent	Effluent
		SP-W-IN	SP-W-OUT			
		VA26A3902-001 2026-02-18 12:03	VA26A3902-005 2026-02-18 10:54			
		Long Term	Short Term			
General Parameters						
pH - Field	pH units	- ²	-	5.5 - 9.0	7.9	7.7
Specific Conductivity - Field	µS/cm	-	-	-	411	415
Temperature - Field	°C	-	-	-	6.3	6.3
Salinity - Field	ppt	-	-	-	0.2	0.2
Turbidity - Field	NTU	-	-	-	5.93	1.92
TSS	mg/L	-	-	25 or 75 ⁶	24.4	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	13.23	12.66
Total Hardness	mg/L	-	-	-	61	60.9
Dissolved Hardness	mg/L	-	-	-	58.7	62.6
Anions and Nutrients						
Sulphate	mg/L	-	-	-	98.7	100
Chloride	mg/L	-	-	-	3.62	3.66
Fluoride	mg/L	-	1.5	-	0.09	0.088
Ammonia (N-NH ₃)	mg/L	4.7-7.2 ³	31-48 ³	-	<0.0050	<0.0050
Nitrite (N-NO ₂)	mg/L	-	-	-	0.0071	0.0072
Nitrate (N-NO ₃)	mg/L	3.7	339	-	0.117	0.119
Total Organic Carbon (TOC)	mg/L	-	-	-	1.74	1.6
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	1.54	1.6
Total Metals						
Aluminum, total (T-Al)	mg/L	-	-	-	1.68	0.0733
Antimony, total (T-Sb)	mg/L	-	0.27 ⁴	-	0.00072	0.00077
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00116	0.00088
Barium, total (T-Ba)	mg/L	-	-	-	0.016	0.00327
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000038	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	<0.010	<0.010
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000250	<0.0000100
Chromium, total (T-Cr)	mg/L	-	-	-	0.00096	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.00041	0.00018
Copper, total (T-Cu)	mg/L	- ²	- ²	0.0043	0.00265	0.00078
Iron, total (T-Fe)	mg/L	-	-	-	1.02	0.035
Lead, total (T-Pb)	mg/L	- ²	- ²	0.0035	0.000973	0.001
Manganese, total (T-Mn)	mg/L	-	-	-	0.0512	0.0176
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0267	0.0268
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00052	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000173	0.000158
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000021	0.000012
Uranium, total (T-U)	mg/L	-	-	-	0.00621	0.00522
Vanadium, total (T-V)	mg/L	- ²	-	0.0081	0.00248	0.00051
Zinc, total (T-Zn)	mg/L	- ²	- ²	0.0133	0.0056	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050
Dissolved Metals						
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000150	<0.0000100
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00055	0.00055
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	0.000202
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0159	0.0159
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0896	0.0904
Vanadium, dissolved (D-V)	mg/L	-	-	-	<0.00050	<0.00050
Zinc, dissolved (D-Zn)	mg/L	-	-	-	<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	0.11	-	-	-	-
Ethylbenzene	mg/L	0.25	-	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	-
Styrene	mg/L	-	-	-	-	-
Toluene	mg/L	0.215	-	-	-	-
Total Xylenes	mg/L	-	-	-	-	-
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 (February 15 – 21) on February 15, 18 and 21.

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 When MeHg ≤ 0.5% of total Hg, the BC WQG = 0.00002 mg/L. The Canadian WQG = 0.000016 mg/L.

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-3:
West Catchment 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	0.0023-0.0076 ^{3,4}
Station	Water Type	Sample ID	Lab ID	Sampling Date		
Influent						
SP-W-IN	Influent	SP-W-IN	VA26A3902-001	2026-02-18	0.000044	0.00333
2700GPM-IN	Influent	W2700-IN	VA26A3902-002	2026-02-18	<0.000020	0.00086
Effluent						
SP-W-OUT	Effluent	SP-W-OUT	VA26A3902-005	2026-02-18	<0.000020	0.00063
W2700T1-OUT	Effluent	W2700T1-OUT	VA26A3902-003	2026-02-18	<0.000020	0.00053
W2700T2-OUT	Effluent	W2700T2-OUT	VA26A3902-004	2026-02-18	0.000022	<0.00050

Notes:

West catchment influents were not discharged to Howe Sound. 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 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.

**Table C-4:
West Catchment 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	Water Type	Sample ID	Lab ID	Sampling Date		
Influent						
2700GPM-IN	Influent	W2700-IN	VA26A0565-001	2026-01-11	1.65	4.06
Effluent						
SP-W-OUT	Effluent	SP-W-OUT	VA26A0565-002	2026-01-11	0.0404	1.52

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.

**Table C-5:
West Catchment Field Measurements Collected During the Monitoring Period (February 15 – 21).**

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	2026-02-15 10:08	6.8	13.30	0.22	65.07	51.5	6.6	451	No
SP-W-IN	Influent	2026-02-16 13:07	7.1	12.32	0.24	37.55	31.0	6.2	491	No
SP-W-IN	Influent	2026-02-17 14:38	7.6	12.83	0.22	11.78	11.8	7.1	459	No
SP-W-IN	Influent	2026-02-18 12:03	6.3	13.23	0.20	5.93	7.4	7.9	411	No
SP-W-IN	Influent	2026-02-19 12:04	5.6	13.80	0.20	11.75	11.8	7.6	417	No
SP-W-IN	Influent	2026-02-20 10:08	4.8	13.83	0.20	2.96	5.2	7.0	418	No
SP-W-IN	Influent	2026-02-21 14:05	5.0	13.82	0.19	6.34	7.7	7.3	402	No
2700GPM-IN	Influent	2026-02-15 10:34	6.8	12.51	0.21	34.77	28.9	7.5	445	No
2700GPM-IN	Influent	2026-02-16 13:21	7.2	12.00	0.19	56.79	45.4	7.5	400	No
2700GPM-IN	Influent	2026-02-17 14:45	7.5	12.41	0.22	23.51	20.5	7.8	457	No
2700GPM-IN	Influent	2026-02-18 11:01	6.0	12.57	0.20	3.63	5.7	7.9	414	No
2700GPM-IN	Influent	2026-02-19 12:08	5.3	13.18	0.20	13.44	13.0	8.0	414	No
2700GPM-IN	Influent	2026-02-21 13:24	5.4	13.36	0.19	6.22	7.6	8.1	405	No
Effluent ⁵										
SP-W-OUT	Effluent	2026-02-15 10:15	7.5	12.38	0.22	0.15	3.1	6.8	454	No
SP-W-OUT	Effluent	2026-02-18 10:54	6.3	12.66	0.20	1.92	4.4	7.7	415	No
SP-W-OUT	Effluent	2026-02-18 10:55	6.3	12.7	0.20	1.81	4.3	7.7	416	No
W2700T2-OUT ⁵	Effluent	2026-02-21 13:32	5.1	14.39	0.19	5.27	6.9	8.1	403	No
W2700T4-OUT ⁵	Effluent	2026-02-21 13:38	5.9	15.08	0.19	3.25	5.4	7.9	403	No

Notes:

West catchment influents for February 15 – 21 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 $TSS = 0.7458 * [turbidity \text{ as NTU}] + 3$.

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, 3 and 4 was intermittently discharged to Howe Sound at the authorized discharge location (SP-W-OUT) on February 15, 18 and 21. Daily field measurements were not collected at SP-W-OUT on February 21 as there was no discharge to Howe Sound at the time of monitoring. Field measurements collected February 21 from 2700GPM trains 2 and 4 during recirculation mode to the West Sedimentation Pond are presented in lieu of SP-W-OUT field measurements.

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-6:
West Catchment Daily Discharge Volumes for the Monitoring Period (February 15 – 21).**

	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					
2026-02-15	0	1,135	0	0	194
2026-02-16	0	2,328	0	0	0
2026-02-17	0	2,522	0	0	0
2026-02-18	0	2,970	0	0	506
2026-02-19	0	1,706	0	0	0
2026-02-20	0	1,291	0	0	0
2026-02-21	0	2,395	0	0	352

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 m³/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:
Freshwater Receiving Environment Monitoring
Results***

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

Parameter	Unit	Lowest Applicable Guideline ^{1,2}		Station SW-02	Station SW-07	Station SW-01	Station SW-04
				Mill Creek Lower Reach	Upstream Mill Creek	Woodfibre Creek Lower Reach	East Creek Lower Reach
				SW-02	SW-07	SW-01	SW-04
				VA26A3122-001	VA26A3122-003	VA26A3217-001	VA26A3217-002
		Long Term	Short Term	2026-02-07 13:18	2026-02-07 16:00	2026-02-08 15:39	2026-02-08 11:48
General Parameters							
pH - Field	pH units	6.5 - 9.0	-	8.03	8.08	7.07	8.18
Specific Conductivity - Field	µS/cm	-	-	10	11	7	39
Temperature - Field	°C	-	-	5.2	6.2	5.6	8.3
Salinity - Field	ppt	-	-	0	0	0	0.02
Turbidity - Field	NTU	-	-	1.75	2.92	2.71	1.99
TSS	mg/L	-	-	3.9	3.5	<3.0	7.8
Dissolved Oxygen - Field	mg/L	>=8	>=5	13.18	12.89	12.79	11.99
Total Hardness	mg/L	-	-	2.98	2.4	1.88	24.9
Dissolved Hardness	mg/L	-	-	2.84	2.08	1.87	23.5
Anions and Nutrients							
Sulphate ²	mg/L	128	-	1.03	0.8	0.4	5.23
Chloride	mg/L	120	600	<0.50	<0.50	<0.50	4.24
Fluoride ²	mg/L	-	0.400-0.775	<0.020	<0.020	<0.020	0.104
Ammonia (N-NH ₃) ²	mg/L	0.502-4.84	4.90-21.6	<0.0050	<0.0050	<0.0050	<0.0050
Nitrite (N-NO ₂) ²	mg/L	0.0600-0.200	0.18-0.6	<0.0010	<0.0010	<0.0010	<0.0010
Nitrate (N-NO ₃)	mg/L	3	32.8	0.0297	0.0231	0.0224	<0.0050
Total Organic Carbon (TOC)	mg/L	-	-	3.59	3.58	3.37	2.98
Total Inorganic Carbon (DOC)	mg/L	-	-	3.16	3.18	3.49	2.70
Total Metals							
Aluminum, total (T-Al) ²	mg/L	0.0885-0.969	-	0.246	0.285	<i>0.194</i>	<i>0.544</i>
Antimony, total (T-Sb)	mg/L	0.074	-	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic, total (T-As)	mg/L	0.005	-	0.00011	0.00011	0.00013	0.00052
Barium, total (T-Ba)	mg/L	1	-	0.00279	0.00238	0.00179	0.00609
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	<0.010	<0.010	<0.010
Cadmium, total (T-Cd) ²	mg/L	0.000036-0.000050	0.00011-0.00051	<0.000050	0.0000076	<0.000050	0.0000087
Chromium, total (T-Cr) ³	mg/L	0.001	-	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co) ²	mg/L	0.000389-0.000778	-	<0.00010	0.0001	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	-	-	<0.00050	0.00056	<0.00050	0.00111
Iron, total (T-Fe)	mg/L	0.3	1	0.097	0.108	0.069	0.205
Lead, total (T-Pb)	mg/L	-	-	0.000072	0.000081	0.000083	0.000077
Manganese, total (T-Mn) ²	mg/L	0.768	0.816	0.00339	0.00357	0.00219	0.00963
Molybdenum, total (T-Mo)	mg/L	0.073	46	0.000267	0.000178	0.000133	0.00659
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	<0.000050	<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	0.00023	0.000243	0.000491	0.000786
Vanadium, total (T-V)	mg/L	0.12	-	<0.00050	<0.00050	<0.00050	<0.00050
Zinc, total (T-Zn)	mg/L	-	-	<0.0030	<0.0030	<0.0030	0.0033
Hexavalent Chromium, total	mg/L	0.001	-	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd) ²	mg/L	0.000018-0.000076	0.000038-0.00014	0.0000076	<0.000050	<0.000050	<0.0000100
Copper, dissolved (D-Cu) ²	mg/L	0.000200-0.00261	0.000200-0.00623	0.00035	0.00027	0.00020	<i>0.00064</i>
Iron, dissolved (D-Fe)	mg/L	-	0.35	0.018	0.019	0.024	0.018
Lead, dissolved (D-Pb) ²	mg/L	0.00194-0.00502	-	<0.000050	<0.000050	0.000053	<0.000050
Manganese, dissolved (D-Mn) ²	mg/L	0.270-0.380	1.97	0.00082	0.00097	0.00098	0.00542
Nickel, dissolved (D-Ni) ²	mg/L	0.000900-0.00120	0.0130-0.0140	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	2.5	-	0.00409	0.00324	0.00264	0.0218
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Zinc, dissolved (D-Zn) ²	mg/L	0.00211-0.0104	0.00993-0.0313	<0.0010	<0.0010	<0.0010	0.002
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	-	<0.000050	<0.000050	<0.000050	<0.000050
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.

**Table D-2:
Freshwater 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	0.0072 - 0.0098 ^{3,4}
Station	Description	Sample ID	Lab ID	Sampling Date		
SW-01	Woodfibre Creek Lower Reach	SW-01	VA26A3217-001	2026-02-08	<0.000020	0.00183
SW-02	Lower Freshwater Reach of Mill Creek (upstream of the third bridge)	SW-02	VA26A3122-001	2026-02-07	<0.000020	0.00155
SW-07	Upstream Mill Creek (at the diversion inlet)	SW-07	VA26A3122-003	2026-02-07	<0.000020	0.00195
SW-04	East Creek Lower Reach	SW-04	VA26A3217-002	2026-02-08	<0.000020	0.00144

Notes:

Results **underlined in bold italics** exceed the applicable long-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 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 = 0.026 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 D-3:
Freshwater 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	Water Type	Sample ID	Lab ID	Sampling Date		
SW-01	Woodfibre Creek Lower Reach	SW-01	VA26A0130-001	2026-01-05	0	3.37
SW-02	Lower Freshwater Reach of Mill Creek (upstream of the third bridge)	SW-02	VA26A0130-002	2026-01-05	0.0173	3.35
SW-07	Upstream Mill Creek (at the diversion inlet)	SW-07	VA26A0130-005	2026-01-05	0.00131	2.60
SW-04	East Creek Lower Reach	SW-04	VA26A0130-004	2026-01-05	0.00126	2.51

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.

***Appendix E:
Estuarine Water Receiving Environment Results***

**Table E-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		
		VA26A3122-002 2026-02-07 12:51		
Long Term	Short Term			
General Parameters				
pH - Field	pH units	7.0 - 8.7	-	7.21
Specific Conductivity - Field	µS/cm	-	-	1398
Temperature - Field	°C	-	-	5.5
Salinity - Field	ppt	-	-	1.0
Turbidity - Field	NTU	-	-	3.62
TSS	mg/L	-	-	10.5
Dissolved Oxygen - Field	mg/L	>=8	-	12.79
Total Hardness	mg/L	-	-	170
Dissolved Hardness	mg/L	-	-	60.10
Anions and Nutrients				
Sulphate	mg/L	-	-	10.4
Chloride	mg/L	-	-	65.5
Fluoride	mg/L	-	1.5	<0.020
Ammonia (N-NH ₃)	mg/L	18 ²	121 ²	<0.0050
Nitrite (N-NO ₂)	mg/L	-	-	<0.0010
Nitrate (N-NO ₃)	mg/L	3.7	339	0.0317
Total Organic Carbon (TOC)	mg/L	-	-	2.96
Total Inorganic Carbon (DOC)	mg/L	-	-	2.48
Total Metals				
Aluminum, total (T-Al)	mg/L	-	-	0.341
Antimony, total (T-Sb)	mg/L	-	0.27	<0.00010
Arsenic, total (T-As)	mg/L	0.0125	-	0.00022
Barium, total (T-Ba)	mg/L	-	-	0.00666
Beryllium, total (T-Be)	mg/L	0.1	-	<0.000020
Boron, total (T-B)	mg/L	1.2	-	0.119
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.0000099
Chromium, total (T-Cr)	mg/L	-	-	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.00015
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00072
Iron, total (T-Fe)	mg/L	-	-	0.208
Lead, total (T-Pb)	mg/L	0.002	0.14	0.000124
Manganese, total (T-Mn)	mg/L	-	-	0.007
Molybdenum, total (T-Mo)	mg/L	-	-	0.000829
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<0.000050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	<0.000010
Uranium, total (T-U)	mg/L	-	-	0.000401
Vanadium, total (T-V)	mg/L	0.005	-	0.00084
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00050
Dissolved Metals				
Cadmium, dissolved (D-Cd)	mg/L	-	-	<0.0000050
Copper, dissolved (D-Cu)	mg/L	-	-	0.0003
Iron, dissolved (D-Fe)	mg/L	-	-	0.029
Lead, dissolved (D-Pb)	mg/L	-	-	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00088
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	0.0742
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0010
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	0.11	-	<0.00050
Ethylbenzene	mg/L	0.25	-	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050
Styrene	mg/L	-	-	<0.00050
Toluene	mg/L	0.215	-	<0.00040
Total Xylenes	mg/L	-	-	<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 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.

**Table E-2:
Estuarine 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	0.0017 ^{3,4}
Station	Description	Sample ID	Lab ID	Sampling Date		
SW-03	Mill Creek Estuary	SW-03	VA26A3122-002	2026-02-07	0.000098	0.00163

Notes:

Results ***underlined in bold italics*** exceed the applicable long-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 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 = 0.026 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 E-3:
Estuarine 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	Water Type	Sample ID	Lab ID	Sampling Date		
SW-03	Mill Creek Estuary	SW-03	VA26A0130-003	2026-01-05	0	2.32

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.

***Appendix F:
Marine Water Receiving Environment Results***

**Table F-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	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-E1-0.5-DUP	IDZ-E1-2m	IDZ-E1-SF	IDZ-E2-0.5	IDZ-E2-2m	IDZ-E2-SF
				VA26A3197-001	VA26A3197-002	VA26A3197-005	VA26A3197-006	VA26A3197-007	VA26A3197-008	VA26A3197-009
		Long Term	Short Term	2026-02-09 14:33	2026-02-09 14:33	2026-02-09 14:34	2026-02-09 14:39	2026-02-09 9:13	2026-02-09 9:14	2026-02-09 9:20
General Parameters										
pH - Field	pH units	7.0 - 8.7	-	7.74	-	7.43	7.51	7.36	7.45	7.46
Specific Conductivity - Field	µS/cm	-	-	12577	-	37141	47732	14108	40239	47262
Temperature - Field	°C	-	-	5.7	-	6.9	9.3	5.8	8.0	9.2
Salinity - Field	ppt	Narrative ²	-	7.17	-	23.26	30.85	8.11	25.48	30.5
Turbidity - Field	NTU	Narrative ²	Narrative ²	1.64	1.64	1.22	0.58	1.12	0.12	0.95
TSS	mg/L	Narrative ²	Narrative ²	3.0	<2.0	2.2	2.6	2.0	3.9	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	10.49	-	9.64	6.31	9.88	9.14	9.2
Total Hardness	mg/L	-	-	1800	1860	3180	3210	2000	3960	5750
Dissolved Hardness	mg/L	-	-	1760	1800	1530	5430	1620	3060	5900
Anions and Nutrients										
Sulphate	mg/L	-	-	722	664	1320	1350	649	1420	2350
Chloride	mg/L	-	-	5320	4930	9520	9790	4830	10300	16900
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	7.2-20 ³	48-135 ³	0.0063	0.0065	<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	<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	-	-	2.02	2.05	1.6	1.09	2.09	1.59	1.22
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.9	1.98	1.85	1.15	1.97	1.59	1.04
Total Metals										
Aluminum, total (T-Al)	mg/L	-	-	0.101	0.0981	0.0579	0.0532	0.11	0.0628	0.0173
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	0.00053	0.00057	0.00093	0.00096	0.00053	0.00104	0.00151
Barium, total (T-Ba)	mg/L	-	-	0.0081	0.0081	0.0084	0.0084	0.0069	0.008	0.009
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	-	1.1	1.12	2.16	2.13	1.19	2.31	3.33
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000033	0.000038	0.000047	0.000049	0.000034	0.000063	0.000091
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	-	-	0.000082	0.000082	0.000101	0.000094	0.000079	0.000073	0.000078
Copper, total (T-Cu)	mg/L	0.002	0.003	0.0008	0.00079	0.00078	0.00071	0.0024	0.00149	0.00051
Iron, total (T-Fe)	mg/L	-	-	0.107	0.107	0.089	0.072	0.088	0.054	0.02
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	-	-	0.00631	0.00645	0.00525	0.00483	0.00493	0.0036	0.00306
Molybdenum, total (T-Mo)	mg/L	-	-	0.00335	0.00313	0.00541	0.00553	0.00337	0.00625	0.00924
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	-	-	0.000919	0.000875	0.00142	0.00138	0.000945	0.0017	0.0025
Vanadium, total (T-V)	mg/L	0.005	-	0.00085	0.00081	0.0011	0.00108	0.00082	0.00107	0.00149
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	0.0035	<0.0030	0.0046	0.004	<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	-	-	0.000026	0.000027	0.000026	0.00008	0.000022	0.000047	0.000071
Copper, dissolved (D-Cu)	mg/L	-	-	0.00059	0.00062	0.00059	<0.00050	0.00149	0.00131	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	0.039	0.039	0.04	<0.010	0.025	0.017	<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	-	-	0.00495	0.00506	0.00526	0.00237	0.0034	0.00294	0.00216
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	-	-	1.83	1.83	1.84	6.27	1.67	3.08	6.01
Vanadium, dissolved (D-V)	mg/L	-	-	0.00067	0.00068	0.00066	0.00142	0.00056	0.00086	0.00145
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0013	0.0014	0.0021	<0.0010	0.0031	0.0036	<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 <30 days, 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 using the maximum value from reference stations WQR1 and WQR2 collected February 9 (Table F-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 F-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
				VA26A3194-001	VA26A3194-002	VA26A3194-003	VA26A3194-004	VA26A3194-005	VA26A3194-006
			2026-02-09 14:54	2026-02-09 14:54	2026-02-09 14:58	2026-02-09 10:52	2026-02-09 10:53	2026-02-09 11:00	
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	7.68	7.40	7.55	7.55	7.50	7.54
Specific Conductivity - Field	µS/cm	-	-	7795	35245	46879	13061	37655	46901
Temperature - Field	°C	-	-	5.6	7.7	9.2	5.5	7.6	9.3
Salinity - Field	ppt	Narrative ²	-	4.29	22.01	30.24	7.46	23.66	30.25
Turbidity - Field	NTU	Narrative ²	Narrative ²	2.28	2.06	1.43	2.53	1.72	1.46
TSS	mg/L	Narrative ²	Narrative ²	2.3	<2.0	<2.0	<2.0	3.4	7.0
Dissolved Oxygen - Field	mg/L	>=8	-	11.27	9.97	6.90	11.78	9.66	6.41
Total Hardness	mg/L	-	-	793	4660	6170	772	4420	5990
Dissolved Hardness	mg/L	-	-	762	4820	6100	945	3220	6050
Anions and Nutrients									
Sulphate	mg/L	-	-	280	1750	2400	274	1750	2420
Chloride	mg/L	-	-	2130	12600	17100	2190	12500	17300
Fluoride	mg/L	-	1.5	<1.0	<1.0	1.0	<1.0	<1.0	1.1
Ammonia (N-NH ₃)	mg/L	7.2-13 ³	48-85 ³	0.0064	0.0058	<0.0050	0.0055	0.0078	<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	0.53	<0.50	<0.50	0.5
Total Organic Carbon (TOC)	mg/L	-	-	2.13	1.49	1.41	2.42	1.75	1.21
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.97	1.27	1.25	1.78	1.55	1
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	0.149	0.0585	0.0184	0.139	0.048	0.0178
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	<0.00040	0.00122	0.00144	<0.00040	0.00115	0.00153
Barium, total (T-Ba)	mg/L	-	-	0.0053	0.0085	0.0094	0.0048	0.0085	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	-	0.49	2.53	3.43	0.51	2.52	3.45
Cadmium, total (T-Cd)	mg/L	0.00012	-	<0.000020	0.000055	0.000081	0.000021	0.000057	0.000085
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000067	0.000067	0.000083	0.00007	0.000066	0.000072
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00066	0.00101	<0.00050	0.00069	0.00122	<0.00050
Iron, total (T-Fe)	mg/L	-	-	0.088	0.046	0.021	0.073	0.044	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	-	-	0.00426	0.00376	0.00331	0.00426	0.00376	0.00269
Molybdenum, total (T-Mo)	mg/L	-	-	0.00153	0.00687	0.00953	0.00149	0.00706	0.00986
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	-	-	0.000512	0.00197	0.00266	0.000544	0.00195	0.00266
Vanadium, total (T-V)	mg/L	0.005	-	0.00051	0.00125	0.00151	<0.00050	0.00125	0.00163
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	0.0036	<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	-	-	<0.000020	0.000063	0.000082	<0.000020	0.000041	0.00008
Copper, dissolved (D-Cu)	mg/L	-	-	0.00051	0.00072	<0.00050	0.00064	0.0008	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	0.03	<0.010	<0.010	0.02	0.015	<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	-	-	0.0031	0.00248	0.00221	0.00294	0.00409	0.00119
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	0.821	4.94	6.21	1.02	3.31	6.38
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	0.00117	0.00144	<0.00050	0.0009	0.00145
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0012	0.0035	0.0011	0.002	0.0033	<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 using the maximum value from reference stations WQR1 and WQR2 collected February 9 (Table F-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 F-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
				VA26A3197-010	VA26A3197-011	VA26A3197-012	VA26A3194-007	VA26A3194-008	VA26A3194-009
			2026-02-09 10:55	2026-02-09 10:56	2026-02-09 11:02	2026-02-09 13:00	2026-02-09 13:00	2026-02-09 12:56	
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	7.45	7.45	7.54	7.95	7.65	7.53
Specific Conductivity - Field	µS/cm	-	-	9595	38805	48143	10377	40316	47371
Temperature - Field	°C	-	-	5.4	7.6	9.4	5.3	8.1	9.3
Salinity - Field	ppt	Narrative ²	-	5.36	24.45	31.15	5.82	25.54	30.59
Turbidity - Field	NTU	Narrative ²	Narrative ²	1.28	0.44	1.33	2.31	1.66	1.62
TSS	mg/L	Narrative ²	Narrative ²	<2.0	4.4	<2.0	2.5	3.0	3.2
Dissolved Oxygen - Field	mg/L	>=8	-	10.89	8.95	6.54	10.1	8.17	7.50
Total Hardness	mg/L	-	-	3740	4800	5850	971	1670	6120
Dissolved Hardness	mg/L	-	-	1520	4910	5730	919	1590	5360
Anions and Nutrients									
Sulphate	mg/L	-	-	1510	1760	2180	368	659	2130
Chloride	mg/L	-	-	11000	12900	15800	2770	4890	15400
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH ₃)	mg/L	4.7-13 ³	31-85 ³	<0.0050	<0.0050	<0.0050	0.0073	0.0054	0.0089
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	-	-	1.73	1.54	1.32	2.34	2.23	0.98
Dissolved Organic Carbon (DOC)	mg/L	-	-	2.01	1.18	1.17	2.24	2.06	1.08
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	0.0534	0.0365	0.0157	0.13	0.121	0.0194
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	0.0011	0.00123	0.00151	<0.00040	0.00056	0.00157
Barium, total (T-Ba)	mg/L	-	-	0.0081	0.0086	0.0092	0.0072	0.0074	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	-	2.47	2.78	3.41	0.66	1.06	3.42
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000057	0.000061	0.000085	0.000021	0.000033	0.000071
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000091	0.000079	0.000078	0.000088	0.000086	0.000069
Copper, total (T-Cu)	mg/L	0.002	0.003	0.0009	0.0007	<0.00050	0.00089	0.00078	<0.00050
Iron, total (T-Fe)	mg/L	-	-	0.061	0.035	0.02	0.123	0.11	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	-	-	0.00412	0.00322	0.00347	0.00672	0.00601	0.00265
Molybdenum, total (T-Mo)	mg/L	-	-	0.00613	0.00778	0.00949	0.0017	0.00287	0.00955
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	-	-	0.00161	0.00214	0.00253	0.000533	0.000844	0.0026
Vanadium, total (T-V)	mg/L	0.005	-	0.00118	0.0013	0.00149	0.00074	0.00083	0.00158
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	-	-	0.00003	0.000069	0.000082	<0.000020	0.000022	0.000072
Copper, dissolved (D-Cu)	mg/L	-	-	0.00062	0.00052	<0.00050	0.00069	0.00067	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	0.027	<0.010	<0.010	0.04	0.044	<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	-	-	0.00379	0.0022	0.00197	0.00519	0.00471	0.00183
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	1.83	5.07	5.89	0.994	1.63	5.48
Vanadium, dissolved (D-V)	mg/L	-	-	0.00062	0.00123	0.00136	0.00053	0.00062	0.00126
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0014	0.0012	<0.0010	0.0011	<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 F-4:
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	0.013-0.016 ^{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	VA26A3197-001	2026-02-09	<0.000020	<0.0050
IDZ-E1	0.5 m Below Surface	IDZ-E1-0.5-DUP	VA26A3197-002	2026-02-09	<0.000020	<0.0050
IDZ-E1	2 m Below Surface	IDZ-E1-2m	VA26A3197-005	2026-02-09	<0.000020	<0.0050
IDZ-E1	2 m Above Seafloor	IDZ-E1-SF	VA26A3197-006	2026-02-09	<0.000020	<0.0050
Station IDZ-E2						
IDZ-E2	0.5 m Below Surface	IDZ-E2-0.5	VA26A3197-007	2026-02-09	<0.000020	<0.0050
IDZ-E2	2 m Below Surface	IDZ-E2-2m	VA26A3197-008	2026-02-09	<0.000020	<0.0050
IDZ-E2	2 m Above Seafloor	IDZ-E2-SF	VA26A3197-009	2026-02-09	0.000022	<0.0050
Station IDZ-W1						
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5	VA26A3194-001	2026-02-09	<0.000020	<0.0050
IDZ-W1	2 m Below Surface	IDZ-W1-2m	VA26A3194-002	2026-02-09	<0.000020	<0.0050
IDZ-W1	2 m Above Seafloor	IDZ-W1-SF	VA26A3194-003	2026-02-09	0.000021	<0.0050
Station IDZ-W2						
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA26A3194-004	2026-02-09	<0.000020	<0.0050
IDZ-W2	2 m Below Surface	IDZ-W2-2m	VA26A3194-005	2026-02-09	<0.000020	<0.0050
IDZ-W2	2 m Above Seafloor	IDZ-W2-SF	VA26A3194-006	2026-02-09	<0.000020	<0.0050
Reference Station WQR1						
WQR1	0.5 m Below Surface	WQR1-0.5	VA26A3197-010	2026-02-09	<0.000020	<0.0050
WQR1	2 m Below Surface	WQR1-2m	VA26A3197-011	2026-02-09	0.000035	<0.0050
WQR1	2 m Above Seafloor	WQR1-SF	VA26A3197-012	2026-02-09	0.000038	<0.0050
Reference Station WQR2						
WQR2	0.5 m Below Surface	WQR2-0.5	VA26A3194-007	2026-02-09	0.000021	<0.0050
WQR2	2 m Below Surface	WQR2-2m	VA26A3194-008	2026-02-09	0.000021	<0.0050
WQR2	2 m Above Seafloor	WQR2-SF	VA26A3194-009	2026-02-09	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 F-5:
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	VA26A0857-001	2026-01-14	0	0.746
IDZ-E1	2 m Below Surface	IDZ-E1-2m	VA26A0857-002	2026-01-14	0	0.821
IDZ-E1	2 m Above Seafloor	IDZ-E1-SF	VA26A0857-003	2026-01-14	0	0.834
Station IDZ-E2						
IDZ-E2	0.5 m Below Surface	IDZ-E2-0.5	VA26A0857-004	2026-01-14	0.00712	0.816
IDZ-E2	2 m Below Surface	IDZ-E2-2m	VA26A0857-005	2026-01-14	0.0777	1.32
IDZ-E2	2 m Above Seafloor	IDZ-E2-SF	VA26A0857-006	2026-01-14	0.00157	1.19
Reference Station WQR1						
WQR1	0.5 m Below Surface	WQR1-0.5	VA26A0857-007	2026-01-14	0	1.32
WQR1	2 m Below Surface	WQR1-2m	VA26A0857-008	2026-01-14	0	1.27
WQR1	2 m Above Seafloor	WQR1-SF	VA26A0857-009	2026-01-14	0	1.21

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.