TECHNICAL MEMORANDUM

To:	**Ian McAllister, Ashleigh Crompton, Mike Champion, Mark Zan and Ryan Schucroft (Woodfibre LNG)**	**Date: 09 Jan 2026**	
From:	**Holly Pelletier, Cheng Kuang and Patrick Mueller (Lorax)**	**Project #:**	**A633-9**
Subject:	**PE-111578 Weekly Discharge and Compliance Report #95 for December 14, 2025 – January 3, 2026**		

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 #95) was prepared by Lorax and summarizes WDA monitoring conducted for the period of December 14, 2025 – January 3, 2026. 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 #95 has been prepared to meet the requirements specified in Condition 4.2 of PE-111578:

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

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

1. Current Conditions

1.1 Water Management Infrastructure

The Construction Phase of the Woodfibre LNG Export Facility commenced in October 2023. Shoring works along the foreshore areas were initiated in December 2023, and construction of water management infrastructure commenced in early 2024. Land-based construction occurs within two water management areas east and west of Mill Creek, referred to as the east and west catchments, respectively. Non-contact water is intercepted and diverted around the construction areas to Howe Sound and Mill Creek. Stormwater runoff collected within the east and west catchment areas (7.12 and 5.92 ha, respectively) is managed as site contact water and is conveyed to the East Wastewater Treatment Plant (WWTP) for treatment, or to the East and West Sedimentation Ponds for settling of suspended particulate. 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. The lower reach of East Creek was temporarily diverted to Outfall 11 (OUT-11), from September 17, 2024, to November 18, 2025, to facilitate replacement of the Outfall 12 culvert. As of November 19, 2025, East Creek flows have been restored to the lower channel that discharges to Howe Sound through Outfall 12 (OUT-12). To facilitate the reconstruction of the culvert at station OUT-01, non-contact water at the inlet to the culvert at OUT-01 has been temporarily diverted by pumping to station OUT-02 starting on October 12, 2025.

The East WWTP was commissioned April 2024 and the West WWTP was commissioned August 2024. Operation of the West WWTP was subsequently suspended September 25, 2024, for a temporary reconfiguration to conduct pilot-scale evaluations of alternative treatment processes. The evaluations were completed April 2025 and did not yield improved treatment outcomes; therefore, the original treatment process has been maintained. Lower than expected volumes of contaminated contact water have been encountered during construction; therefore, operation of the West WWTP remains suspended and all site waters that require treatment are directed to the East WWTP, with treated effluent discharged to the East Sedimentation Pond.

The 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.

Discharge from the East and West Sedimentation Ponds is controlled using pumps. Prior to water management upgrades that commenced during the week of June 22 - 28, 2025, water stored in the ponds was pumped to a TSS settling system for clarification and then discharged through the authorized outfall structures associated with each pond. Some of the TSS-clarified water was recirculated back to the ponds or was re-used for construction (*e.g.*, dust suppression), and this will continue with the revised configuration. 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.

A flocculant-based TSS settling system (2700GPM) at the West Sedimentation Pond is used to clarify all non-contaminated contact water prior to re-use at site or discharge at SP-W-OUT. Water collected in the East Sediment Pond is periodically transferred to the West Sedimentation Pond to allow treatment by the 2700GPM system. The fully built 2700GPM TSS settling system will have the installed capacity to clarify 14,700 m^3/day of contact water and will consist of six parallel treatment trains (Trains 1 to 6) , each with an installed capacity of 2450 m^3/day. Only one train will be operated during dry conditions or when contact water flows are below approximately 2450 m^3/day, whereas at higher flows, additional trains will be activated as needed to match the influent volumes.

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 December 14, 2025 – January 3, 2026 monitoring period, with precipitation recorded each day except on December 30 and 31. The total precipitation amount during the December 14, 2025 – January 3, 2026 monitoring period was 514.8 mm, with exceptionally heavy rainfall occurring from December 14 to December 18 (318 mm in total). 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
2025-12-14	105.0	11.1	7.4	Heavy Rain
2025-12-15	85.8	16.5	7.2	Heavy Rain
2025-12-16	54.4	8.5	6.3	Heavy Rain
2025-12-17	12.8	9.1	4.2	Rain
2025-12-18	60.0	9.4	3.5	Heavy Rain
2025-12-19	9.6	4.8	2.2	Rain
2025-12-20	35.4	5.6	3.6	Rain
2025-12-21	27.4	8.9	3.7	Rain
2025-12-22	18.8	7.8	3.6	Rain
2025-12-23	3.8	6.1	2.4	Rain
2025-12-24	10.0	3.9	1.9	Rain
2025-12-25	7.8	6.8	0.5	Rain
2025-12-26	27.2	4.3	0.1	Rain
2025-12-27	0.2	1.5	-1.6	Mix of Sun and Cloud
2025-12-28	0.2	2.1	-0.4	Mix of Sun and Cloud
2025-12-29	0.8	5.3	1.3	Overcast
2025-12-30	0	6.0	1.2	Overcast
2025-12-31	0	8.1	1.6	Overcast
2026-01-01	0.2	5.4	1.6	Overcast
2026-01-02	7.2	5.8	3.6	Rain
2026-01-03	48.2	6.1	4.7	Rain

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

Due to heavy stormwater runoff flows, Woodfibre LNG notified BCER on December 15 that potentially non-compliant water from the East and West Sedimentation Ponds would be discharged to Howe Sound. During December 15 – 17 clarified and non-clarified contact water was discharged from SP-W-OUT and clarified contact water was discharged from SP-E-OUT.

From December 14, 2025 – January 3, 2026, the East Sedimentation Pond received water from the Area 1100 Sump, the 6415 Sump, the 6403 Sump, the 6435 Sump, the MOF and recirculated effluent from the East WWTP (Appendix A, Figure 2). A total of 21,947 m^3 of water from the East Sedimentation Pond was transferred to the West Sedimentation Pond from December 14, 2025 – January 3, 2026 (Appendix B, Table B-7).

Routine operation of the East WWTP continued during the monitoring period (December 14, 2025 – January 3, 2026). 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 (December 14, 2025 – January 3, 2026). During emergency discharge conditions from December 15 through 17, a total of 731 m^3 of East WWTP treated effluent was intermittently discharged to Howe Sound

from station SP-E-OUT. Daily water volumes processed by the East WWTP and discharged to Howe Sound are provided in Appendix B (Table B-7).

From December 14, 2025 – January 3, 2026, 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 (December 14, 2025 – January 3, 2026) and either recirculated back to the pond or intermittently discharged to Howe Sound. A total of 46,471 m^3 of clarified effluent from the 2700GPM system was intermittently discharged to Howe Sound from station SP-W-OUT during the monitoring period (December 14, 2025 – January 3, 2026).

During emergency discharge conditions from December 15 through 17, the plug in the West Sedimentation Pond discharge pipe was temporarily removed, allowing passive flow from the pond to SP-W-OUT. A total of 9,344 m^3 of passive sedimentation pond discharge and 18,872 m^3 of clarified water from the 2700GPM TSS settling system water were discharged at SP-W-OUT December 15 - 17. Clarified effluent was not reclaimed for construction use. Daily clarified effluent volumes from the 2700GPM TSS settling system that were recirculated to the West Sedimentation Pond, discharged to Howe Sound, as well as volumes of West Sedimentation Pond water passively discharged to Howe Sound are provided in Appendix C (Table C-11).

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). Non-contact diversion ditch water at OUT-01 has been temporarily redirected to OUT-02 since October 12, 2025, to facilitate the reconstruction of the outfall at OUT-01.
- 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. Since September 26, 2025

SP-W-OUT has been sampled from the discharge manhole. It is planned to install a manifold that will combine effluent from the individual trains into a single discharge line configured with a sampling port for SP-W-OUT sample collection. The manifold supplies are currently on order, and installation will proceed once all required supplies are received.

- Howe Sound reference and IDZ monitoring stations (WQR1, WQR2, IDZ-E1, IDZ-E2, IDZ-W1, and IDZ-W2).

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 approximately 10 m from the location of the SP-W-OUT station. At times when only one 2700GPM treatment train is operated, the 2700GPM-OUT sample has been 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. As previously discussed, since September 26, 2025, a manifold is being implemented that combines effluent from the individual trains into a single discharge line configured with a new SP-W-OUT sampling port.

Water quality was monitored at stations IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1, WQR2, SP-E-IN, SP-E-OUT, WWTP-E-IN, WWTP-E-OUT, SP-W-IN, SP-W-OUT, 2700GPM-IN, W2700GPMT1-OUT, W2700T2-OUT, W2700T3-OUT, W2700T4-OUT, W2700T4-OUT, and W2700T6-OUT during the monitoring period (December 14, 2025 – January 3, 2026). Sampling dates and parameters tested are summarized in Table 2.

Overall, the PE-111578 monitoring requirements that were applicable during the monitoring period (December 14, 2025 – January 3, 2026) 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. The PE-111578 monthly monitoring requirements were met for December 2025.

Daily field parameters were not collected at the east catchment effluent compliance station (SP-E-OUT) on December 14 nor from December 18 to January 3 as there was no discharge from the SP-E-OUT to Howe Sound on those days. Similarly, a weekly analytical sample was not

collected at station SP-E-OUT during the weeks of December 21 – 27 and December 28 – January 3, 2026. Daily field parameters were not collected at the west catchment compliance station (SP-W-OUT) on December 29, 31, and January 1 and 2 as there was no discharge to Howe Sound from the West Sedimentation Pond at the time of monitoring on those days. Daily field parameters were not collected at the effluent station of the East WWTP (WWTP-E-OUT) on December 17 as it was not operational 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 (December 14, 2025 – January 3, 2026).

Table 2:
Summary of PE-111578 Monitoring Samples Collected December 14, 2025 – January 3, 2026.

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
December 14, 2025	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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
December 15, 2025	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
	SP-E-OUT	East WWTP treated effluent, collected at the sampling port	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	D, M, M_2, W
	WWTP-E-IN	East WWTP at the influent meter box	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field, 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 new SP-W-OUT sampling port	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	D, M, M_2, W
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	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		
	W2700T3-OUT	2700GPM TSS settling system at the outlet of Train 3		
	W2700T4-OUT	2700GPM TSS settling system at the outlet of Train 4		
	W2700T5-OUT	2700GPM TSS settling system at the outlet of Train 5		
	W2700T6-OUT	2700GPM TSS settling system at the outlet of Train 6		
	IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M
	IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
	IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface		
	IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
	WQR1-0.5	Reference site 1; 0.5 m below surface		
	WQR2-0.5	Reference site 2; 0.5 m below surface		
December 16, 2025	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-E-OUT	East WWTP treated effluent, collected at the sampling port	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	D, M, M_2, W
	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 new SP-W-OUT sampling port	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, and VOCs.	D, M_2
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
	IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, and VOCs.	P
	IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
	IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface		
	IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
	WQR1-0.5	Reference site 1; 0.5 m below surface		
	WQR2-0.5	Reference site 2; 0.5 m below surface		

Table 2 (continued):
Summary of PE-111578 Monitoring Samples Collected December 14, 2025 – January 3, 2026.

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
December 17, 2025	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-E-OUT	East WWTP treated effluent, collected at the sampling port	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	D, M, M_2, W
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	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 new SP-W-OUT sampling port	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, and VOCs.	D, M_2
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
	IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, and VOCs.	P
	IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
	IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface		
	IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
	WQR1-0.5	Reference site 1; 0.5 m below surface		
	WQR2-0.5	Reference site 2; 0.5 m below surface		
December 18, 2025	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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
December 19, 2025	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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
December 20, 2025	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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
December 21, 2025	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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
December 22, 2025	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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P

Table 2 (continued):
Summary of PE-111578 Monitoring Samples Collected December 14, 2025 – January 3, 2026.

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
December 23, 2025	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	WWTP-E-IN	East WWTP at the influent meter box	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-OUT	West Sedimentation Pond clarified effluent discharge to Howe Sound, collected at the manifold that combines effluent from the individual 2700GPM trains into a single discharge line configured with a new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
December 24, 2025	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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
December 25, 2025	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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
December 26, 2025	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 new SP-W-OUT sampling port	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	D, M, M_2, W
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	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
	W2700T3-OUT	2700GPM TSS settling system at the outlet of Train 3		
	W2700T4-OUT	2700GPM TSS settling system at the outlet of Train 4		
	W2700T5-OUT	2700GPM TSS settling system at the outlet of Train 5		
	W2700T6-OUT	2700GPM TSS settling system at the outlet of Train 6		
December 27, 2025	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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
December 28, 2025	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	WWTP-E-IN	East WWTP at the influent meter box	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W

Table 2 (continued):
Summary of PE-111578 Monitoring Samples Collected December 14, 2025 – January 3, 2026.

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
December 28, 2025 (continued)	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	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	D, M, M_2, W
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	P
	W2700T5-OUT	2700GPM TSS settling system at the outlet of Train 5	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	P
	W2700T6-OUT	2700GPM TSS settling system at the outlet of Train 6		
December 29, 2025	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
December 30, 2025	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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P
December 31, 2025	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
January 1, 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
January 2, 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
January 3, 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 new SP-W-OUT sampling port	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system at the influent meter box	Field Parameters.	P

Notes:

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

3. Water Quality Results

3.1 Summary of Reported Results

Analytical results and associated field measurements included in this weekly report (Report #95) are listed below in Table 3, with additional field measurements presented in Table B-6 (Appendix B) and Table C-10 (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:

- SP-W-OUT and 2700GPM-IN collected November 25 (dioxins and furans);
- IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1 and WQR2 collected November 25 at 0.5 m below surface (chronic toxicity);
- SW-02, SW-03 and SW-07 collected December 3 (dioxins and furans);
- SW-01 and SW-04 collected December 4 (total mercury, methylmercury, dioxins and furans);
- SP-W-IN, SP-W-OUT and 2700GPM-IN collected December 5 (dioxins and furans);
- IDZ-W1, IDZ-W2 and WQR2 collected December 6 (total mercury, methylmercury, dioxins and furans);
- OUT-01 collected December 7 (total mercury and methylmercury);
- 2700GPM-IN and SP-W-OUT collected December 8 (dioxins and furans);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected December 9 (dioxins and furans);
- IDZ-E1, IDZ-E2 and WQR1 collected December 12 (dioxins and furans);
- SP-E-OUT collected December 15 (dioxins and furans);
- SP-W-OUT and 2700GPM-IN collected December 15 (dioxins and furans);
- IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1 and WQR2 collected at 0.5 m below surface December 15 (dioxins and furans);
- SP-E-OUT collected December 16 (dioxins and furans);
- SP-E-OUT collected December 17 (dioxins and furans);
- SP-W-OUT and 2700GPM-IN collected December 26 (dioxins and furans);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected December 28 (total mercury and methylmercury);
- SP-W-OUT and 2700GPM-IN collected December 28 (dioxins and furans).

Table 3:
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #95.

Sample	Description	Sampling Date	Parameters Reported
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	November 11, 2025	Dioxins and Furans.
IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
WQR2-0.5	Reference site 2; 0.5 m below surface		
WQR2-2m	Reference site 2; 2 m below surface		
WQR2-SF	Reference site 2; 2 m above the seafloor		
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	November 16, 2025	Dioxins and Furans.
2700GPM-IN	2700GPM TSS settling system at the influent meter box		
OUT-01	Non-contact water diversion ditch outlet	November 17, 2025	Methylmercury.
OUT-06	Non-contact water diversion ditch outlet		
OUT-01	Non-contact water diversion ditch outlet	November 22, 2025	Methylmercury.
OUT-02	Non-contact water diversion ditch outlet		
OUT-06	Non-contact water diversion ditch outlet		
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	November 25, 2025	Methylmercury.
IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface		
IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR2-0.5	Reference site 2; 0.5 m below surface		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	November 28, 2025	Dioxins and Furans.
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		
SW-02	Lower Reach of Mill Creek (upstream of the third bridge)	December 3, 2025	Methylmercury.
SW-03	Mill Creek Estuary		
SW-07	Upstream Mill Creek (at the diversion inlet)		
OUT-06	Non-contact water diversion ditch outlet	December 8, 2025	Methylmercury.
SP-E-NE	East Sedimentation Pond monitored at cell 2 of the pond	December 9, 2025	Methylmercury.
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond		
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	December 12, 2025	Methylmercury.
IDZ-E1-2m	Howe Sound IDZ station E1; 2 m below surface		
IDZ-E1-SF	Howe Sound IDZ station E1; 2 m above the seafloor		
IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
IDZ-E2-2m	Howe Sound IDZ station E2; 2 m below surface		
IDZ-E2-SF	Howe Sound IDZ station E2; 2 m above the seafloor		
WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR1-2m	Reference site 1; 2 m below surface		
WQR1-SF	Reference site 1; 2 m above the seafloor		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	December 15, 2025	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, and Methylmercury.
SP-E-OUT	East WWTP treated effluent, collected at the sampling port		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, and Methylmercury.
WWTP-E-IN	East WWTP at the influent meter box		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, and Methylmercury.
WWTP-E-OUT	East WWTP at the effluent meter box		

Table 3 (continued):
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #95.

Sample	Description	Sampling Date	Parameters Reported
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	December 15, 2025 (continued)	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		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, and Methylmercury.
2700GPM-IN	2700GPM TSS settling system at the influent meter box		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, and Methylmercury.
W2700T1-OUT	2700GPM TSS settling system at the outlet of Train 1		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, and Methylmercury.
W2700T2-OUT	2700GPM TSS settling system at the outlet of Train 2		
W2700T3-OUT	2700GPM TSS settling system at the outlet of Train 3		
W2700T4-OUT	2700GPM TSS settling system at the outlet of Train 4		
W2700T5-OUT	2700GPM TSS settling system at the outlet of Train 5		
W2700T6-OUT	2700GPM TSS settling system at the outlet of Train 6		
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, and Methylmercury.
IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface		
IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR2-0.5	Reference site 2; 0.5 m below surface		
SP-E-OUT	East WWTP treated effluent, collected at the sampling port	December 16, 2025	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, 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		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, and PAHs.
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, and PAHs.
IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface		
IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR2-0.5	Reference site 2; 0.5 m below surface		
SP-E-OUT	East WWTP treated effluent, collected at the sampling port	December 17, 2025	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, 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		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, and PAHs.
IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, and PAHs.
IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface		
IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
WQR1-0.5	Reference site 1; 0.5 m below surface		
WQR2-0.5	Reference site 2; 0.5 m below surface		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	December 23, 2025	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		

Table 3 (continued):
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #95.

Sample	Description	Sampling Date	Parameters Reported
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	December 26, 2025	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		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, and Methylmercury.
2700GPM-IN	2700GPM TSS settling system at the influent meter box		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, and Methylmercury.
W2700T1-OUT	2700GPM TSS settling system at the outlet of Train 1		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, and Methylmercury.
W2700T3-OUT	2700GPM TSS settling system at the outlet of Train 3		
W2700T4-OUT	2700GPM TSS settling system at the outlet of Train 4		
W2700T5-OUT	2700GPM TSS settling system at the outlet of Train 5		
W2700T6-OUT	2700GPM TSS settling system at the outlet of Train 6		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	December 28, 2025	Field, Physical and General Parameters, Total and Dissolved Metals, and Hexavalent Chromium.
WWTP-E-IN	East WWTP at the influent meter box		Field, Physical and General Parameters, Total and Dissolved Metals, and Hexavalent Chromium.
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 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		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, and Methylmercury.
2700GPM-IN	2700GPM TSS settling system at the influent meter box		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, VOCs, PAHs, and Methylmercury.
W2700T5-OUT	2700GPM TSS settling system at the outlet of Train 5		Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, and Methylmercury.
W2700T6-OUT	2700GPM TSS settling system at the outlet of Train 6		

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 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 3.2 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 0. 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.

East WWTP effluent was directed to the East Sedimentation Pond each day during the December 14, 2025 – January 3, 2026 monitoring period, except on December 15, 16 and 17 (as discussed in Section 1.2) when a total of 731 m^3 of East WWTP treated effluent was intermittently discharged to Howe Sound from SP-E-OUT (Appendix B, Table B-7).

Results are presented for field measurements of influent quality for the East Sedimentation Pond and East WWTP influent and effluent quality collected December 14, 2025 – January 3, 2026 as well as analytical results for samples collected December 15 (stations SP-E-IN, SP-E-OUT, WWTP-E-IN, and WWTP-E-OUT), December 16 (station SP-E-OUT), December 17 (station SP-E-OUT), December 23 (stations SP-E-IN, WWTP-E-IN, and WWTP-E-OUT), and December 28 (stations SP-E-IN, WWTP-E-IN and WWTP-E-OUT).

Field measurements for the East WWTP effluent samples (WWTP-E-OUT) collected December 14, 2025 – January 3, 2026 and the analytical samples collected December 15, 23 and 28 met

MDOs (Appendix B, Table B-1, Table B-4 and Table B-6) except for total vanadium (0.0106 mg/L) on December 15. Follow-up actions for total vanadium are tracked in Table 7.

Field measurements and effluent samples collected at SP-E-OUT December 15, 16 and 17 met PE-111578 discharge limits and WQGs except for TSS, total copper, total vanadium, total zinc, total mercury and methylmercury on December 15 (Table 4 and Table 5; Appendix B, Table B-3, Table B-4 and Table B-6). The exceedances of PE-111578 discharge limits and WQGs are attributed to particulate-bound forms of the metals that are inferred to be associated with elevated turbidity and TSS in the samples (171 to 191 NTU and 150 to 154 mg/L, respectively). The elevated TSS and total metals concentrations measured at SP-E-OUT are suspected to have originated from residual sediment in the new and permanent SP-E-OUT discharge pipeline, which had not been flushed prior to its first use on December 15.

Table 4:
Summary of Parameters Exceeding PE-111578 Discharge Limits in Effluent Discharged from SP-E-OUT for Field and Analytical Results Available at the Time of Reporting

Parameter	Units	Discharge Limit	N	N >Limit	Commentary
Total Suspended Solids (TSS)	mg/L	75 [1]	6	2	Total suspended solids measured in duplicate samples collected at station SP-E-OUT on December 15 (150 and 154 mg/L) were 2.0 and 2.1 times greater than the PE-111578 discharge limit, respectively. BCER has been notified.
Total Copper	mg/L	0.0043	6	2	Total copper measured in duplicate samples collected at station SP-E-OUT on December 15 (0.00829 and 0.00814 mg/L) was 1.9 times greater than the PE-111578 discharge limit in both samples. BCER has been notified.
Total Vanadium	mg/L	0.0081	6	2	Total vanadium measured in duplicate samples collected at station SP-E-OUT on December 15 (0.0108 and 0.0105 mg/L) was 1.3 times greater than the PE-111578 discharge limit in both samples. BCER has been notified.
Total Zinc	mg/L	0.0133	6	2	Total zinc measured in duplicate samples collected at station SP-E-OUT on December 15 (0.0313 and 0.0319 mg/L) was 2.4 times greater than the PE-111578 discharge limit in both samples. BCER has been notified.

N = number of samples.
[1] The PE-111578 discharge limit for total suspended solids 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. Wet Conditions applied for December 15, 2025.

Table 5:
Summary of Parameters Exceeding WQGs in Effluent Discharged from SP-E-OUT for Field and Analytical Results Available at the Time of Reporting

Parameter	Units	WQG	N	N >WQG	Commentary
Total Mercury	µg/L	0.0050-0.0098	6	2	Total mercury measured in duplicate samples collected at station SP-E-OUT on December 15 (0.0121 and 0.0114 µg/L) was 1.5 and 1.2 times greater than the WQG, respectively. Approximately 191 mm of rain fell on site in 48 hours (December 14 to 15) and the total mercury concentrations are attributed to elevated turbidity and TSS in the samples (171 to 191 NTU and 150 to 154 mg/L, respectively). The exceedance is attributed to residual sediments in the newly constructed pipeline from the pond to SP-E-OUT. Monitoring results from December 16 and 17 met WQGs for all parameters indicating the residual sediments have been flushed from the pipeline and are no longer a source of TSS.
Total Methylmercury	µg/L	0.0001	6	2	Total methylmercury measured in duplicate samples collected at station SP-E-OUT on December 15 (0.000147 and 0.000116 µg/L) was 1.5 and 1.2 times greater than the WQG, respectively. Approximately 191 mm of rain fell on site in 48 hours (December 14 to 15) and the total methylmercury concentrations are attributed to elevated turbidity and TSS in the samples (171 to 191 NTU and 150 to 154 mg/L, respectively). The exceedance is attributed to residual sediments in the newly constructed pipeline from the pond to SP-E-OUT. SP-E-OUT monitoring results from December 16 and 17 met WQGs for all parameters indicating the residual sediments have been flushed from the pipeline and are no longer a source of TSS.

N = number of samples.

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 46,471 m^3 of clarified sedimentation pond effluent from the 2700GPM TSS Settling System was intermittently discharged to Howe Sound at SP-W-OUT during the monitoring period (December 14, 2025 – January 3, 2026). During emergency discharge conditions from December 15 through 17, an additional 9,344 m^3 of West Sedimentation Pond water passively flowed through the sedimentation pond discharge pipe and mixed with clarified

effluent from the 2700GPM system. The flows were combined prior to discharged to Howe Sound from station SP-W-OUT.

Field measurements of West Sedimentation Pond influent and the 2700GPM TSS settling system influent and effluent collected December 14, 2025 – January 3, 2026, and analytical samples collected December 15, 16, 17, 26 and 28 available at the time of reporting, are presented in Appendix C, Table C-1 through Table C-5 and Table 8 to Table C-10. All 2700GPM sampling train effluent samples met discharge limits and WQGs.

Field measurements collected at SP-W-OUT December 14, 2025 – January 3, 2026 and the December 15, 16, 17, 26 and 28 SP-W-OUT analytical samples met PE-111578 discharge limits and WQGs (Appendix C, Table C-6 to Table C-10) except for TSS, total copper and total zinc on December 15 (Table 6).

Table 6:
Summary of Parameters Exceeding PE-111578 Discharge Limits in Effluent Discharged from SP-W-OUT for Field and Analytical Results Available at the Time of Reporting

Parameter	Units	Discharge Limit	N	N >Limit	Commentary
Total Suspended Solids	mg/L	75 [1]	7	1	Total suspended solids measured in the sample collected at station SP-W-OUT on December 15 (157 mg/L) was 2.1 times greater than the PE-111578 discharge limit. BCER has been notified.
Total Copper	mg/L	0.0043	7	1	Total copper measured in the sample collected at station SP-W-OUT on December 15 (0.00556 mg/L) was 1.3 times greater than the PE-111578 discharge limit. BCER has been notified.
Total Zinc	mg/L	0.0133	7	1	Total zinc measured in the sample collected at station SP-W-OUT on December 15 (0.0189 mg/L) was 1.4 times greater than the PE-111578 discharge limit. BCER has been notified.

N = number of samples.
[1] The PE-111578 discharge limit for total suspended solids 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. Wet Conditions applied for December 15, 2025.

3.5 Non-Contact Water Diversion Ditch Outlets

Analytical results were available at the time of reporting for the non-contact water diversion ditch outlet sample collected at station OUT-06 on December 8 (as discussed in Report #94). The methylmercury result for the non-contact water diversion ditch outlet samples collected at stations OUT-01, OUT-02 and OUT-06 on November 17 and 22 (as discussed in Report #91) and at station OUT-06 on December 8 (as discussed in Report #94) were also available at the time of reporting. The analytical results, field parameters, and WQGs are summarized in Appendix D.

Parameter concentrations met WQGs except total aluminum and dissolved copper. Total aluminum was above the long-term WQG at OUT-06 on December 8 (0.367 mg/L). Dissolved copper was above the long-term WQG in the sample (0.00093 mg/L). The total aluminum and

dissolved copper concentrations measured at OUT-06 are within the range of values observed during the pre-construction baseline monitoring of diversion ditch water quality (0.118 to 0.433 mg/L for total aluminum and 0.00052 to 0.00095 mg/L for dissolved copper).

For all samples, methylmercury concentrations ranged from 0.000033 to 0.000058 µg/L and met the WQG. The corresponding total mercury results met WQGs. Results are tabulated in Appendix D, Table D-2.

3.6 Freshwater and Estuarine Water Receiving Environment

Methylmercury results for the 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 December 3 (as discussed in Report #93) were available at the time of reporting.

Methylmercury concentrations were <0.000020 µg/L in all Mill Creek samples and were below the WQG. The corresponding total mercury results were below the WQGs. Results are tabulated in Appendix E, Table E-1 (freshwater) and Appendix F, Table F-1 (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 m below the water surface on November 25 (as discussed in Reports #92) and December 15, 16 and 17 (stations IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1 and WQR2); as well as at 0.5 and 2 m below the water surface and 2 m above the seafloor on December 12 (stations IDZ-E1, IDZ-E2 and WQR1), as discussed in Report #94. The analytical results, field parameters, and WQGs are summarized in Appendix G.

Parameter concentrations met WQGs except field pH, dissolved oxygen, fluoride, total boron, total copper and total zinc in some samples (Appendix G; Tables G-1 through Table G-7), as outlined below:

- Field pH was below the lower limit of the WQG (pH 7.0) in the sample collected at 0.5 m below surface at IDZ-W2 on November 25, but within the background range observed at marine reference stations (pH 6.3 to pH 8.6).
- Dissolved oxygen ranged from 4.39 to 4.60 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-E2 and reference station WQR1 on December 12.. The dissolved oxygen concentrations observed at the IDZ monitoring stations are within concentrations that have been observed in the baseline monitoring program (2.44 to 9.42 mg/L).
- Fluoride was above the WQG (1.5 mg/L) in samples collected a 2 m above the seafloor at IDZ-E2 and reference station WQR1 on December 6 (1.9 and 1.8 mg/L, respectively).

Because fluoride is also elevated at the WQR1 reference station, the concentration of both samples is attributed to background influence.

- Total boron was above the WQG (1.2 mg/L) and ranged from 1.91 to 3.38 mg/L in samples collected at IDZ-E2 at 0.5 m below the surface on November 25; IDZ-E1 and IDZ-E2 at 2 m below the surface and at 2 m above the seafloor on December 12; and reference station WQR1 at 2 m above the seafloor on December 12. The total boron concentrations observed at the IDZ monitoring stations are within the range observed in the baseline monitoring program (0.0893 to 8.38 mg/L).
- Total copper was above the long-term WQG (0.002 mg/L) in samples collected at 0.5 m below the surface at IDZ-E2 on December 12; IDZ-E1, IDZ-E2, IDZ-W1, WQR1 and WQR2 on December 15; IDZ-E1, IDZ-E2, IDZ-W2, WQR1 and WQR2 on December 16; and IDZ-E1, IDZ-E2, WQR1 and WQR2 on December 17. Total copper was above the short-term WQG (0.003 mg/L) in samples collected at 0.5 m below the surface at IDZ-E2 and WQR1 on December 15; IDZ-E1, IDZ-E2, WQR1 and WQR2 on December 16; and IDZ-E2 on December 17. The total copper concentrations observed at the IDZ monitoring stations are within the range observed in the baseline monitoring program (<0.00050 to 0.00647 mg/L).
- Total zinc (0.348 mg/L) was above the short- and long-term WQGs (0.055 and 0.01 mg/L, respectively) in the background sample collected at 2 m above the seafloor at reference station WQR1 on December 12. The reported value is suspected to be erroneous and a reanalysis has been requested (Table 7).

Methylmercury analytical results were available at the time of reporting for marine water samples collected at 0.5 m below the water surface on November 25 (as discussed in Reports #92) and December 15 (stations IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1 and WQR2) as well as at 0.5 and 2 m below the water surface and 2 m above the seafloor on December 12 (stations IDZ-E1, IDZ-E2 and WQR1), as discussed in Report #94. For all samples, methylmercury concentrations ranged from <0.000020 to <0.000100 µg/L and met the WQG. The corresponding total mercury results met WQGs. Results are tabulated in Appendix G, Table G-8.

Dioxin and furans results were available at the time of reporting for all marine samples collected November 11 (stations IDZ-W1, IDZ-W2 and WQR2), as discussed in Report #90. For all samples, the lower bound PCDD/F TEQ concentrations ranged from 0 to 0.230 pg/L and the upper bound PCDD/F TEQ concentrations ranged from 1.02 to 3.05 pg/L. The lower and upper bound PCDD/F TEQ concentrations were within the concentration ranges observed in the baseline monitoring program (0 to 2.64 pg/L and 0 to 7.06 pg/L, respectively) or within background ranges

observed at marine reference stations (0 to 0.941 pg/L and 0.499 to 5.65 pg/L, respectively). Results are tabulated in Appendix G, Table G-9.

3.8 Quality Control

This section presents the results of the quality control (QC) evaluation for the PE-111578 weekly report (Table 7). 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 7. Any items flagged for follow-up are carried forward to future reports until they are closed.

Table 7:
Weekly Report QC Evaluations and Ongoing Items

QC Procedure	Observation	Investigation/Resolution
Reporting Period (December 14, 2025 – January 3, 2026, Report #95)		
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. 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 #95: Non-complaint Discharge	Total suspended solids, total copper, total vanadium and total zinc above discharge limits.	The SP-E-OUT effluent sample and field duplicate collected December 15 exceeded the discharge limits for total suspended solids (150 and 154 mg/L, 2.0 and 2.1 times greater than thedischarge limit, respectively); total copper (0.00829 and 0.00814 mg/L, 1.9 times greater than the discharge limit); total vanadium (0.0108 and 0.0105 mg/L, 1.3 times greater than the discharge limit); and, total zinc (0.0313 and 0.0319 mg/L, 2.4 times greater than the discharge limit).The exceedances are attributed to residual sediments in the newly constructed pipeline from the pond to SP-E-OUT. SP-E-OUT monitoring results from December 16 and 17 met WQGs for all parameters indicating the residual sediments have been flushed from the pipeline and are no longer a source of TSS. The SP-W-OUT effluent sample collected December 15 exceeded the discharge limits for total suspended solids (157 mg/L, 2.1 times greater than the discharge limit); total copper (0.00556 mg/L, 1.3 times greater than the discharge limit); and, total zinc (0.0189 mg/L, 1.4 times greater than the discharge limit). The exceedances are attributed to total suspended solids in the contact water. BCER has been notified of these non-complaint results. Heavy rainfall on December 14 resulted in the need for emergency discharge of contact water December 15 through December 17, while heavy rains continued. The emergency discharge was required to prevent overflow of the West Sedimentation Pond. The QEP determined there was a low likelihood of adverse effects to the receiving environment from the non-compliant discharges This item is closed.
Report #95: Discharge Above WQGs	Total mercury and total methylmercury above WQGs.	Total methylmercury measured in duplicate samples collected at station SP-E-OUT on December 15 (0.000147 and 0.000116 µg/L) was 1.5 and 1.2 times greater than the WQG, respectively. Total mercury measured in duplicate samples collected at station SP-E-OUT on December 15 (0.0121 and 0.0114 µg/L) was 1.5 and 1.2 times greater than the WQG, respectively. Approximately 191 mm of rain fell on site in 48 hours (December 14 to 15) and the total mercury concentrations are attributed to elevated turbidity and TSS in the samples (171 to 191 NTU and 150 to 154 mg/L, respectively). The exceedance is attributed to residual sediments in the newly constructed pipeline from the pond to SP-E-OUT. SP-E-OUT monitoring results from December 16 and 17 met WQGs for all parameters indicating the residual sediments have been flushed from the pipeline and are no longer a source of TSS. This item is closed.
Report #95: WWTP Performance Evaluation	Total vanadium above the MDO.	The total vanadium concentration was 0.0106 mg/L in the sample collected at WWTP-E-OUT on December 15 and was above the MDO (0.0081 mg/L). The WWTP treatment performance for total vanadium will be evaluated through the end of January 2026 to determine if this is an isolated event or a recurring issue. This item remains open.
Report #95: Pending Data	Analytical results not reported.	Dioxins and furans results for contact and treated water samples collected December 15, 16, 17, 26 and 28 and receiving environment samples collected December 15 as well as total mercury and methylmercury results for contact and treated water samples collected December 28 are pending and will be included in future weekly reports when available. This item remains open.
Report #95: Data QC	Data QC	The total zinc concentration in the sample collected at marine reference station WQR1 at 2 m above the seafloor (0.348 mg/L) is significantly higher than historical values for marine reference stations and is suspected to be erroneous. A reanalysis has been requested with the laboratory. 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.

Table 7 (continued): Weekly Report QC Evaluations and Ongoing Items

QC Procedure	Observation	Investigation/Resolution
Ongoing Items from Previous Weekly Reports		
Report #90: Pending Data	Analytical results not reported.	Previously pending dioxins and furans results for receiving environment samples collected November 11 are included in Report #95. This item is closed.
Report #91: Pending Data	Analytical results not reported.	Previously pending total mercury and methylmercury results for non-contact water diversion ditch outlet samples collected November 17 and 22 as well as dioxins and furans results for contact and treated water samples collected November 16 are included in Report #95. This item is closed.
Report #92: Pending Data	Analytical results not reported.	Previously pending field parameters and analytical results for receiving environment samples collected November 25 as well as dioxins and furans results for contact and treated water samples collected November 28 are included in Report #95. Dioxins and furans results for contact and treated water samples collected November 25 and chronic toxicity results for receiving environment samples collected November 25 are pending and will be included in future weekly reports when available. This item remains open.
Report #92: Data QC	Data QC	Raised detection limits were reported for all total metals for the Mill Creek Estuary (station SW-03) sample collected November 9 resulting in the raised detection limit for total copper (<0.00250 mg/L) above the long-term WQG (0.002 mg/L). A reanalysis has been requested with the laboratory to achieve a lower detection limit. This item remains open.
Report #93: WWTP Performance Evaluation	Hexavalent chromium above the MDO.	The total hexavalent chromium concentration was 0.00875 mg/L in the sample collected at WWTP-E-OUT on November 28 and was above the MDO (0.0015 mg/L). Hexavalent chromium met the MDO in WWTP-E-OUT samples collected December 6, 9, 15, 23 and 28. The November 28 result appears to be an isolated incident. This item is closed.
Report #93: Pending Data	Analytical results not reported.	Previously pending total mercury and methylmercury results for receiving environment samples collected December 3 are included in Report #95. Total mercury, methylmercury, dioxins and furans results for receiving environment samples collected December 4 and 6 as well as dioxins and furans results for receiving environment samples collected December 3 and for contact and treated water samples collected December 5 are pending and will be included in future weekly reports when available. This item remains open.
Report #94: WWTP Performance Evaluation	Total zinc above the MDO.	The total zinc concentration was 0.0184 mg/L in the sample collected at WWTP-E-OUT on December 6 and was above the MDO (0.0133 mg/L). Total zinc met the MDO in WWTP-E-OUT samples collected December 9, 15, 23 and 28. The December 6 results appears to be an isolated incident. This item is closed.
Report #94: Pending Data	Analytical results not reported.	Previously pending field parameters and analytical results for non-contact water diversion ditch outlet and receiving environment and samples collected December 8 and 12 are included in Report #95. Total mercury and methylmercury results for non-contact water diversion ditch outlet samples collected December 7 as well as dioxins and furans results for contact and treated water samples collected December 8 and 9 and for receiving environment samples collected December 12 are pending and will be included in future weekly reports when available. This item remains open.
Report #94: Data QC	Data QC	Raised detection limits were reported for all total metals for the Mill Creek Estuary (station SW-03) sample collected December 3 resulting in the raised detection limit for total copper (<0.00250 mg/L) above the long-term WQG (0.002 mg/L). A reanalysis confirmed a lower detectable concentration for total copper (0.00095 mg/L) that was below the WQG. This item is closed.

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.

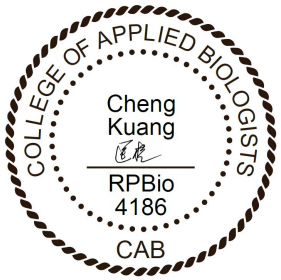
4. Closure

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.

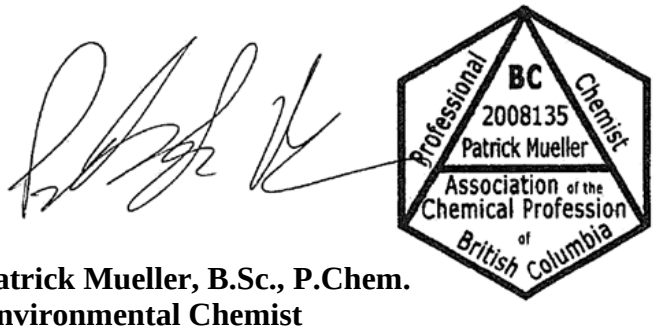
Regards,

LORAX ENVIRONMENTAL SERVICES LTD.

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



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



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

Appendix A:
Figures and Site Images

LEGEND

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

DATE SAVED:	Jan 09, 2026
DRAWN BY:	DM
REVIEWED:	PM
VERSION:	1

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

1:6,000

0 100 200 Metres

CLIENT: Woodfibre LNG

LORAX ENVIRONMENTAL

PROJECT: **Woodfibre LNG Project Construction Phase**

TITLE: Site Layout and Water Quality Monitoring Stations for PE-111578 (January 3, 2026)

PROJECT #: A633-9

FIGURE: 1

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

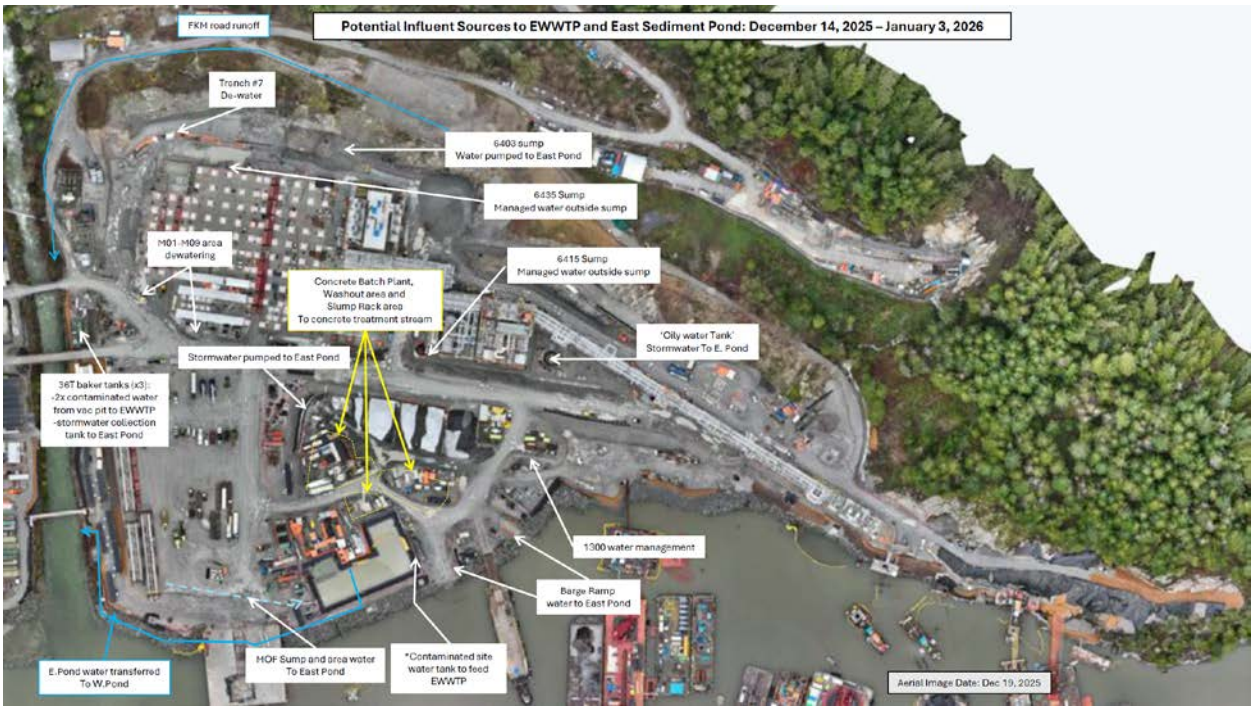


Figure 2: East Catchment contact water management facilities (December 14, 2025 – January 3, 2026).

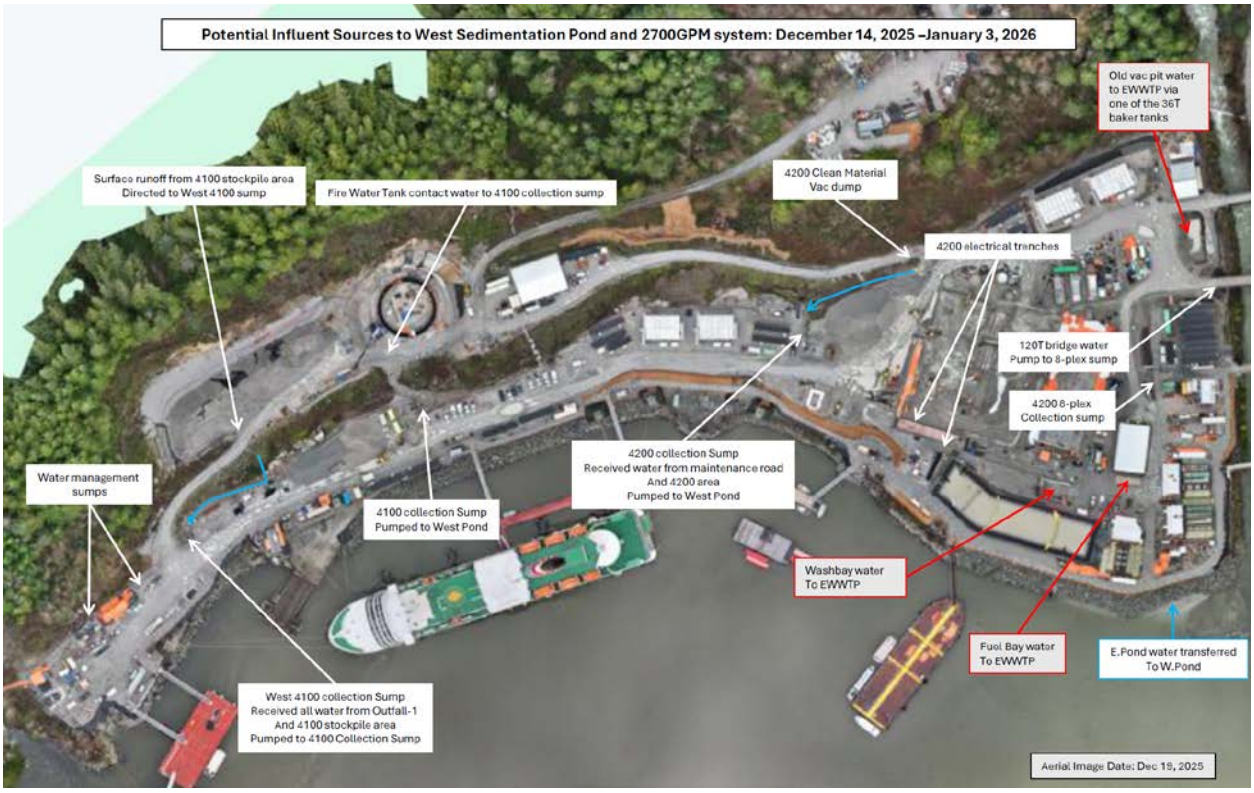


Figure 3: West Catchment contact water management facilities (December 14, 2025 – January 3, 2026).

Figure 4: Aerial view of the East Sedimentation Pond (December 19, 2025). The East WWTP is located on the left side of the pond.

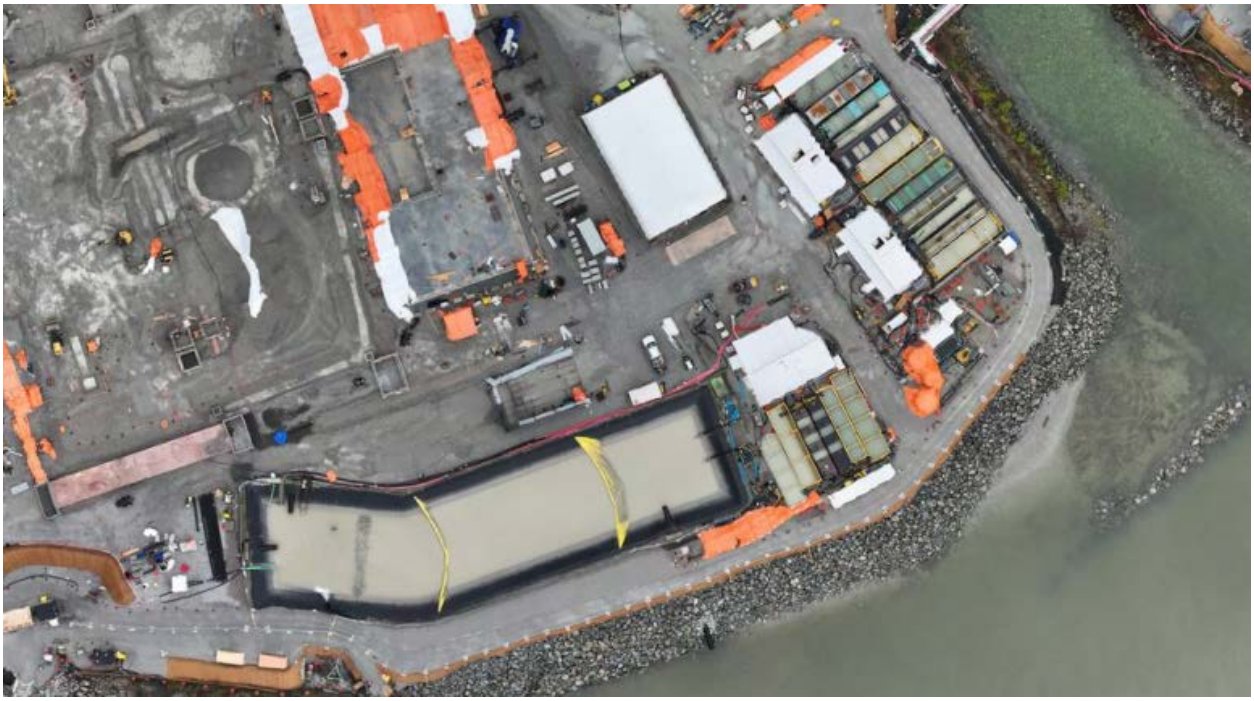


Figure 5: Aerial view of the West Sedimentation Pond (December 19, 2025).

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 Influent WWTP-E-IN VA25D3466-002 2025-12-15 11:35	Station WWTP-E-IN Influent WWTP-E-IN VA25D4143-001 2025-12-23 12:24	Station WWTP-E-IN Influent WWTP-E-IN VA25D4207-002 2025-12-28 9:28	Station WWTP-E-OUT Effluent WWTP-E-OUT VA25D3466-006 2025-12-15 17:57	Station WWTP-E-OUT Effluent WWTP-E-OUT VA25D4143-003 2025-12-23 17:13	Station WWTP-E-OUT Effluent WWTP-E-OUT VA25D4207-003 2025-12-28 15:38
		Long Term	Short Term							
General Parameters										
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.5	6.8	6.7	7.2	6.9	6.8
Specific Conductivity - Field	µS/cm	-	-	-	211	272	436	1141	981	483
Temperature - Field	°C	-	-	-	10.6	6.7	3.6	10.7	6.0	6.7
Salinity - Field	ppt	-	-	-	0.1	0.13	0.21	0.57	0.48	0.23
Turbidity - Field	NTU	-	-	-	131.79	126.75	24.74	3.63	4.25	0.59
TSS	mg/L	-	-	25 or 75 [6]	131	68.7	15.9	<3.0	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	12.67	12.05	13.44	11.27	12.35	13.75
Total Hardness	mg/L	-	-	-	76.1	59.7	42.3	40.2	40.0	17.9
Dissolved Hardness	mg/L	-	-	-	52.9	40.5	36.9	36.7	38.7	17.3
Anions and Nutrients										
Sulphate	mg/L	-	-	-	51.3	58.1	110	453	296	111
Chloride	mg/L	-	-	-	2.48	2.94	3.11	4.37	3.35	3.23
Fluoride	mg/L	-	1.5	-	0.034	0.076	0.075	0.15	<0.100	0.06
Ammonia (N-NH_3)	mg/L	7.8-41 [3]	52-270 [3]	-	0.0144	0.0051	<0.0050	0.0146	<0.0050	0.0051
Nitrite (N-NO_2)	mg/L	-	-	-	0.0036	0.002	0.003	0.0078	0.007	0.0026
Nitrate (N-NO_3)	mg/L	3.7	339	-	0.172	0.146	0.17	0.408	0.151	0.165
Total Organic Carbon (TOC)	mg/L	-	-	-	2.00	4.02	1.77	1.89	1.12	1.36
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	0.92	1.64	1.61	1.93	1.04	1.53
Total Metals										
Aluminum, total (T-Al)	mg/L	-	-	-	8.31	6.91	1.81	0.975	0.0843	0.0437
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00053	0.00061	0.00055	0.00051	0.00099	0.0005
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00167	0.00202	0.00132	0.00195	0.00049	0.00066
Barium, total (T-Ba)	mg/L	-	-	-	0.0662	0.0596	0.0187	0.00234	0.00282	0.00104
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000118	0.000125	0.000032	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.015	0.022	0.017	0.038	0.016	0.014
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.0000667	0.0000521	0.0000229	<0.0000100	<0.0000100	<0.0000050
Chromium, total (T-Cr)	mg/L	-	-	-	0.00442	0.00284	0.00099	0.00065	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.00277	0.00196	0.0005	<0.00010	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.0101	0.00657	0.00558	0.00138	0.00178	0.001
Iron, total (T-Fe)	mg/L	-	-	-	6.91	5.56	1.36	<0.010	0.019	<0.010
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.00335	0.00424	0.00165	<0.000050	0.000079	<0.000050
Manganese, total (T-Mn)	mg/L	-	-	-	0.27	0.211	0.056	0.00451	0.00301	0.00233
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.00836	0.0142	0.0115	0.0276	0.0178	0.0103
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00347	0.00171	0.00201	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000067	0.000104	0.000053	0.000138	0.00011	0.000064
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000017	0.000016	<0.000010	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000026	0.000032	0.000012	0.000021	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.00303	0.00717	0.00641	0.0072	0.00214	0.00337
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.0131	0.0103	0.00343	0.0106	0.00121	0.0011
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0365	0.0291	0.0123	<0.0030	0.0052	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	0.00066	<0.00050	0.00056	<0.00050	<0.00050
Dissolved Metals										
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	0.0000169	<0.0000100	0.0000088	<0.0000100	<0.0000100	0.0000063
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00055	0.00103	0.00096	0.00109	0.00309	0.00141
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	0.018	<0.010	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0369	0.0136	0.0096	0.00396	0.00235	0.00219
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0765	0.0565	0.0664	0.125	0.101	0.0455
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00119	0.00145	0.00119	0.0108	0.00119	0.00101
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0029	0.0015	0.0021	0.0011	0.0036	0.0046
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 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 discharged during the monitoring period (December 14, 2025 – January 3, 2026) on December 15, 16 and 17.
[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 Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station SP-E-IN Influent SP-E-IN VA25D3466-001 2025-12-15 12:24	Station SP-E-IN Influent SP-E-IN VA25D4143-002 2025-12-23 13:57	Station SP-E-IN Influent SP-E-IN VA25D4207-001 2025-12-28 9:13
		Long Term	Short Term				
General Parameters							
pH - Field	pH units	- [2]	-	5.5 - 9.0	6.6	6.5	7.3
Specific Conductivity - Field	µS/cm	-	-	-	177	1032	445
Temperature - Field	°C	-	-	-	10.5	6.0	3.9
Salinity - Field	ppt	-	-	-	0.08	0.51	0.21
Turbidity - Field	NTU	-	-	-	182.96	18.51	16.31
TSS	mg/L	-	-	25 or 75 [6]	239	16.3	10.1
Dissolved Oxygen - Field	mg/L	≥8	-	-	12.51	12.42	13.47
Total Hardness	mg/L	-	-	-	83.4	80.1	25.4
Dissolved Hardness	mg/L	-	-	-	49.8	74.5	23.1
Anions and Nutrients							
Sulphate	mg/L	-	-	-	35.5	432	110
Chloride	mg/L	-	-	-	1.86	2.75	3.47
Fluoride	mg/L	-	1.5	-	0.046	<0.100	0.077
Ammonia ($N\text{-}NH_3$)	mg/L	20-29 [3]	131-191 [3]	-	0.0205	<0.0050	0.0056
Nitrite ($N\text{-}NO_2$)	mg/L	-	-	-	0.0029	0.0058	0.0025
Nitrate ($N\text{-}NO_3$)	mg/L	3.7	339	-	0.212	0.118	0.163
Total Organic Carbon (TOC)	mg/L	-	-	-	4.63	1.21	1.77
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	1.11	1.23	1.49
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	13.4	0.756	0.614
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00072	0.00057	0.00058
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00306	0.00078	0.00103
Barium, total (T-Ba)	mg/L	-	-	-	0.108	0.0238	0.00713
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000177	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.019	0.015	0.015
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	***0.000121***	<0.0000200	<0.0000100
Chromium, total (T-Cr)	mg/L	-	-	-	0.00591	0.00188	0.00064
Cobalt, total (T-Co)	mg/L	-	-	-	0.00383	0.0003	0.00015
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.0154	0.00206	0.00129
Iron, total (T-Fe)	mg/L	-	-	-	9.7	0.582	0.364
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.00786	0.000628	0.000401
Manganese, total (T-Mn)	mg/L	-	-	-	0.37	0.0251	0.0162
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.00796	0.0196	0.012
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.0041	0.0005	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000112	0.00015	0.000068
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000033	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000058	0.000014	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.0049	0.00336	0.00608
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.0193	0.00203	0.00193
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0527	0.0079	0.0032
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000050	<0.0000150	0.0000089
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.0007	0.00097	0.00085
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.029	0.026	0.011
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0176	0.0116	0.00422
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0698	0.203	0.0498
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00178	0.00109	0.00118
Zinc, dissolved (D-Zn)	mg/L	-	-	-	<0.0010	0.0041	0.0014
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 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 discharged during the monitoring period (December 14, 2025 – January 3, 2026) on December 15, 16 and 17.
[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 Sedimentation Pond Effluent Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station SP-E-OUT Effluent SP-E-OUT VA25D3466-003 2025-12-15 9:50	Station SP-E-OUT Effluent SP-E-OUT-DUP VA25D3466-004 2025-12-15 9:50	Station SP-E-OUT Effluent SP-E-OUT VA25D3533-001 2025-12-16 11:15	Station SP-E-OUT Effluent SP-E-OUT-DUP VA25D3533-002 2025-12-16 11:19	Station SP-E-OUT Effluent SP-E-OUT VA25D3670-001 2025-12-17 15:09	Station SP-E-OUT Effluent SP-E-OUT-DUP VA25D3670-002 2025-12-17 15:11
		Long Term	Short Term							
General Parameters										
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.0	7.0	6.6	6.6	8.0	7.8
Specific Conductivity - Field	µS/cm	-	-	-	371	371	1305	1298	978	1003
Temperature - Field	°C	-	-	-	10.3	10.3	10.4	10.1	9.4	8.8
Salinity - Field	ppt	-	-	-	0.18	0.18	0.66	0.65	0.49	0.5
Turbidity - Field	NTU	-	-	-	171.15	190.64	1.49	1.18	2.26	2.29
TSS	mg/L	-	-	25 or 75 [6]	150	154	<3.0	<3.0	5.9	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	12.1	12.18	10.67	10.73	11.63	11.73
Total Hardness	mg/L	-	-	-	157	162	87	88	104	105
Dissolved Hardness	mg/L	-	-	-	171	174	91.2	96.2	108	101
Anions and Nutrients										
Sulphate	mg/L	-	-	-	112	111	502	502	374	372
Chloride	mg/L	-	-	-	4.19	4.15	<2.50	<2.50	<2.50	<2.50
Fluoride	mg/L	-	1.5	-	0.054	0.052	<0.100	<0.100	<0.100	<0.100
Ammonia (N-NH_3)	mg/L	2.9-20 [3]	19-131 [3]	-	0.0148	0.0139	0.0228	0.0254	0.0119	0.0108
Nitrite (N-NO_2)	mg/L	-	-	-	0.0035	0.0032	<0.0050	<0.0050	<0.0050	<0.0050
Nitrate (N-NO_3)	mg/L	3.7	339	-	0.335	0.334	0.141	0.141	0.165	0.166
Total Organic Carbon (TOC)	mg/L	-	-	-	2.74	2.68	0.98	1.35	1.34	1.23
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	1.26	1.27	1.15	1.03	0.92	1.24
Total Metals										
Aluminum, total (T-Al)	mg/L	-	-	-	6.51	6.57	0.114	0.111	0.238	0.223
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00061	0.00062	0.00074	0.00072	0.00071	0.00072
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00139	0.00139	0.00054	0.00056	0.00069	0.0007
Barium, total (T-Ba)	mg/L	-	-	-	0.0568	0.0583	0.00724	0.0074	0.0128	0.0133
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.0001	0.000102	<0.000020	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.036	0.036	0.011	0.011	0.026	0.026
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.0000601	0.0000566	<0.0000050	<0.0000050	<0.0000150	<0.0000100
Chromium, total (T-Cr)	mg/L	-	-	-	0.00383	0.00375	<0.00050	<0.00050	0.00051	0.00051
Cobalt, total (T-Co)	mg/L	-	-	-	0.00227	0.00228	<0.00010	<0.00010	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00829	0.00814	0.00051	0.00053	0.00127	0.00116
Iron, total (T-Fe)	mg/L	-	-	-	5.51	5.62	0.025	0.026	0.136	0.12
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.00277	0.00282	0.000053	0.000054	0.000125	0.00012
Manganese, total (T-Mn)	mg/L	-	-	-	0.253	0.251	0.00692	0.00669	0.00749	0.00705
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0205	0.0207	0.00739	0.00733	0.0483	0.0475
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00279	0.00271	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000152	0.000143	0.000079	0.000095	0.000356	0.000306
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000011	0.000013	<0.000010	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000029	0.00003	0.00002	0.000021	0.000015	0.000014
Uranium, total (T-U)	mg/L	-	-	-	0.00458	0.00463	0.00171	0.00175	0.0014	0.00141
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.0108	0.0105	0.00116	0.00112	0.00317	0.00308
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0313	0.0319	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals										
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000200	<0.0000200	<0.0000050	<0.0000050	<0.0000100	<0.0000100
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00049	0.00044	0.00049	0.0005	0.0007	0.0007
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0616	0.0621	0.00658	0.00646	0.00335	0.00343
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.429	0.453	0.249	0.252	0.268	0.258
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.0008	0.00077	0.00103	0.00105	0.00294	0.00288
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0047	0.0047	0.0013	0.0016	0.0012	0.0015
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	-	-	0.0000064	0.0000062	<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	-	-	-	0.000014	0.000015	<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	-	-	0.000013	0.000013	<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	-	-	-	0.000017	0.000017	<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:
East 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 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 discharged during the monitoring period (December 14, 2025 – January 3, 2026) on December 15, 16 and 17.
[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-4:
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]	0.005-0.020 [3,4]
Station	**Water Type**	**Sample ID**	**Lab ID**	**Sampling Date**		
Influent						
SP-E-IN	Influent	SP-E-IN	VA25D2943-001	2025-12-09	***0.000302***	***0.0913***
SP-E-NE	Influent	SP-E-NE	VA25D2943-002	2025-12-09	***0.000291***	***0.0581***
SP-E-IN	Influent	SP-E-IN	VA25D3466-001	2025-12-15	***0.000217***	***0.0233***
SP-E-IN	Influent	SP-E-IN	VA25D4143-002	2025-12-23	0.000072	***0.0578***
WWTP-E-IN	Influent	WWTP-E-IN	VA25D2943-003	2025-12-09	***0.000284***	***0.0650***
WWTP-E-IN	Influent	WWTP-E-IN	VA25D3466-002	2025-12-15	0.000068	0.0120
WWTP-E-IN	Influent	WWTP-E-IN	VA25D4143-001	2025-12-23	***0.000151***	***0.00894***
Effluent						
SP-E-OUT	Effluent	SP-E-OUT	VA25D3466-003	2025-12-15	***0.000147***	***0.0121***
SP-E-OUT	Effluent	SP-E-OUT-DUP	VA25D3466-004	2025-12-15	***0.000116***	***0.0114***
SP-E-OUT	Effluent	SP-E-OUT	VA25D3533-001	2025-12-16	<0.000020	0.00109
SP-E-OUT	Effluent	SP-E-OUT-DUP	VA25D3533-002	2025-12-16	<0.000020	0.00101
SP-E-OUT	Effluent	SP-E-OUT	VA25D3670-001	2025-12-17	0.000023	0.00141
SP-E-OUT	Effluent	SP-E-OUT-DUP	VA25D3670-002	2025-12-17	0.000031	0.00155
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA25D2943-004	2025-12-09	0.000033	0.00317
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA25D3466-006	2025-12-15	0.000022	0.00426
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA25D4143-003	2025-12-23	0.000023	0.00131

Notes:
East 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 B-5:
East 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						
SP-E-IN	Influent	SP-E-IN	VA25D1959-003	2025-11-28	1.08	3.30
WWTP-E-IN	Influent	WWTP-E-IN	VA25D1959-001	2025-11-28	0.187	1.91
Effluent						
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA25D1959-002	2025-11-28	0.157	1.14

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 B-6:
East Catchment Field Measurements Collected During the Monitoring Period (December 14, 2025 – January 3, 2026).

Parameter			Temp.	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	2025-12-14 12:47	9.4	11.77	0.13	579.26	435.0	6.7	264	No
SP-E-IN	Influent	2025-12-15 12:24	10.5	12.51	0.08	182.96	139.5	6.6	177	No
SP-E-IN	Influent	2025-12-16 12:48	9.0	11.17	0.07	84.87	66.3	7.6	154	No
SP-E-IN	Influent	2025-12-17 16:31	8.1	11.32	0.19	89.47	69.7	7.7	401	No
SP-E-IN	Influent	2025-12-18 12:16	7.1	12.18	0.17	220.69	167.6	7.7	362	No
SP-E-IN	Influent	2025-12-19 10:27	7.3	11.79	0.21	37.79	31.2	6.5	439	No
SP-E-IN	Influent	2025-12-20 15:10	5.6	12.35	0.20	332.69	251.1	6.6	419	No
SP-E-IN	Influent	2025-12-21 15:40	6.8	12.03	0.17	61.26	48.7	6.4	356	No
SP-E-IN	Influent	2025-12-22 10:25	7.6	12.13	0.25	22.96	20.1	7.0	521	No
SP-E-IN	Influent	2025-12-23 13:57	6.0	12.42	0.51	18.51	16.8	6.5	1032	No
SP-E-IN	Influent	2025-12-24 13:05	5.2	12.63	0.41	10.24	10.6	6.2	844	No
SP-E-IN	Influent	2025-12-25 11:42	5.5	11.96	0.28	11.75	11.8	7.4	572	No
SP-E-IN	Influent	2025-12-26 12:44	4.1	13.12	0.20	59.85	47.6	7.8	412	No
SP-E-IN	Influent	2025-12-27 9:30	3.5	13.22	0.24	23.00	20.2	7.3	506	No
SP-E-IN	Influent	2025-12-28 9:13	3.9	13.47	0.21	16.31	15.2	7.3	445	No
SP-E-IN	Influent	2025-12-29 9:17	4.4	13.49	0.24	5.17	6.9	7.8	495	No
SP-E-IN	Influent	2025-12-30 9:51	4.8	13.39	0.26	5.74	7.3	8.1	541	No
SP-E-IN	Influent	2025-12-31 13:22	5.4	13.21	0.27	2.65	5.0	6.8	562	No
SP-E-IN	Influent	2026-01-01 14:46	5.4	13.10	0.28	2.96	5.2	7.2	581	No
SP-E-IN	Influent	2026-01-02 15:21	6.0	12.92	0.30	1.18	3.9	7.2	624	No
SP-E-IN	Influent	2026-01-03 11:19	5.6	12.40	0.19	207.01	157.4	7.6	402	No
WWTP-E-IN	Influent	2025-12-14 11:10	8.9	11.51	0.16	356.10	268.6	6.3	231	No
WWTP-E-IN	Influent	2025-12-15 11:35	10.6	12.67	0.10	131.79	101.3	7.5	211	No
WWTP-E-IN	Influent	2025-12-16 12:22	8.7	11.3	0.07	396.86	299.0	7.5	140	No
WWTP-E-IN	Influent	2025-12-17 16:21	7.8	11.39	0.09	157.91	120.8	8.3	191	No
WWTP-E-IN	Influent	2025-12-18 12:20	6.6	12.17	0.14	352.62	266.0	7.6	284	No
WWTP-E-IN	Influent	2025-12-19 10:03	6.3	11.76	0.23	113.90	87.9	6.9	469	No
WWTP-E-IN	Influent	2025-12-20 14:48	5.9	12.35	0.17	236.78	179.6	7.0	359	No
WWTP-E-IN	Influent	2025-12-21 15:31	7.3	12.37	0.18	136.39	104.7	6.6	384	No
WWTP-E-IN	Influent	2025-12-22 10:32	6.7	11.94	0.15	195.79	149.0	7.4	308	No
WWTP-E-IN	Influent	2025-12-23 12:24	6.7	12.05	0.13	126.75	97.5	6.8	272	No
WWTP-E-IN	Influent	2025-12-24 12:55	5.1	12.45	0.19	149.83	114.7	6.9	406	No
WWTP-E-IN	Influent	2025-12-25 11:50	4.8	12.56	0.22	55.43	44.3	6.6	449	No
WWTP-E-IN	Influent	2025-12-26 12:51	3.4	13.12	0.19	467.28	351.5	6.5	397	No
WWTP-E-IN	Influent	2025-12-27 13:40	4.7	13.27	0.23	39.29	32.3	7.5	468	No
WWTP-E-IN	Influent	2025-12-28 9:28	3.6	13.44	0.21	24.74	21.5	6.7	436	No
WWTP-E-IN	Influent	2025-12-29 9:23	4.1	13.48	0.22	10.70	11.0	7.0	450	No
WWTP-E-IN	Influent	2025-12-30 9:57	3.9	13.11	0.23	5.84	7.4	7.7	479	No
WWTP-E-IN	Influent	2025-12-31 12:57	5.2	13.08	0.23	5.83	7.3	7.8	480	No
WWTP-E-IN	Influent	2026-01-01 14:35	5.7	12.61	0.27	7.37	8.5	7.3	549	No
WWTP-E-IN	Influent	2026-01-02 15:27	5.7	12.96	0.28	2.74	5.0	7.4	575	No
WWTP-E-IN	Influent	2026-01-03 11:29	5.8	12.42	0.21	272.28	206.1	7.3	436	No
Effluent [5]										
SP-E-OUT	Effluent	2025-12-15 9:50	10.3	12.10	0.18	171.15	130.6	7.0	371	No
SP-E-OUT	Effluent	2025-12-15 17:33	10.5	12.39	0.59	2.18	4.6	6.7	1172	No
SP-E-OUT	Effluent	2025-12-16 11:15	10.4	10.67	0.66	1.49	4.1	6.6	1305	No
SP-E-OUT	Effluent	2025-12-17 15:09	9.4	11.63	0.49	2.26	4.7	8.0	978	No
WWTP-E-OUT	Effluent	2025-12-14 11:22	9.3	10.34	0.32	1.78	4.3	6.6	655	No
WWTP-E-OUT	Effluent	2025-12-15 12:03	10.5	12.29	0.70	2.66	5.0	6.3	1385	No
WWTP-E-OUT	Effluent	2025-12-15 17:57	10.7	11.27	0.57	3.63	5.7	7.2	1141	No
WWTP-E-OUT	Effluent	2025-12-16 12:41	9.9	10.26	0.50	4.71	6.5	7.4	1014	No
WWTP-E-OUT	Effluent	2025-12-18 12:25	7.1	12.27	0.79	4.80	6.6	6.9	1559	No
WWTP-E-OUT	Effluent	2025-12-19 10:14	6.6	12.34	0.31	6.81	8.1	6.4	640	No
WWTP-E-OUT	Effluent	2025-12-20 15:04	6.2	12.00	0.41	1.48	4.1	6.1	841	No
WWTP-E-OUT	Effluent	2025-12-21 15:35	6.5	13.16	0.30	2.84	5.1	6.6	617	No
WWTP-E-OUT	Effluent	2025-12-22 10:38	6.8	12.44	0.30	9.71	10.2	6.3	617	No
WWTP-E-OUT	Effluent	2025-12-23 17:13	6.0	12.35	0.48	4.25	6.2	6.9	981	No
WWTP-E-OUT	Effluent	2025-12-24 12:58	5.4	12.90	0.47	2.57	4.9	6.2	961	No
WWTP-E-OUT	Effluent	2025-12-25 11:48	6.1	12.79	0.47	2.58	4.9	6.5	943	No
WWTP-E-OUT	Effluent	2025-12-26 12:50	4.5	13.58	0.67	2.19	4.6	6.5	1148	No
WWTP-E-OUT	Effluent	2025-12-27 9:39	5.1	14.01	0.24	1.61	4.2	6.5	494	No
WWTP-E-OUT	Effluent	2025-12-28 15:38	6.7	13.75	0.23	0.59	3.4	6.8	483	No
WWTP-E-OUT	Effluent	2025-12-29 9:22	5.7	13.59	0.24	1.07	3.8	7.2	500	No
WWTP-E-OUT	Effluent	2025-12-30 10:00	6.2	13.49	0.28	2.62	5.0	7.5	572	No
WWTP-E-OUT	Effluent	2025-12-31 13:16	7.2	12.46	0.27	4.92	6.7	6.5	564	No
WWTP-E-OUT	Effluent	2026-01-01 14:40	6.4	12.73	0.29	5.11	6.8	7.0	590	No
WWTP-E-OUT	Effluent	2026-01-02 15:33	7.3	13.02	0.31	1.03	3.8	6.8	638	No
WWTP-E-OUT	Effluent	2026-01-03 11:31	6.8	12.31	0.30	1.19	3.9	7.0	618	No

Notes:
East catchment influents for December 14, 2025 – January 3, 2026 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 East Sedimentation Pond Discharge Limit.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] The WQG was not evaluated for parameters with discharge limits.
[3] TSS concentration is estimated from field turbidity measurements using a site-specific relationship TSS = 0.7458 * [turbidity as NTU] + 3.
[4] Daily field measurements for station SP-E-IN were collected from cell 1 of the East Sedimentation Pond.
[5] There was no discharge at the authorized discharge location (SP-E-OUT) on December 14 nor from December 18 to January 3, 2026, therefore daily field measurements for SP-E-OUT were not collected on those days. Daily field measurements were not collected on December 17 at the East WWTP effluent station (WWTP-E-OUT) as there was no discharge from the East WWTP 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-7:
East Catchment Daily Discharge Volumes for the Monitoring Period (December 14, 2025 – January 3, 2026).

	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				
2025-12-14	0	0	486	0
2025-12-15	0	0	449	244
2025-12-16	0	0	477	374
2025-12-17	0	0	350	113
2025-12-18	0	3,357	462	0
2025-12-19	0	3,529	448	0
2025-12-20	0	742	345	0
2025-12-21	0	1,407	430	0
2025-12-22	0	0	540	0
2025-12-23	0	2,618	478	0
2025-12-24	0	389	566	0
2025-12-25	0	537	541	0
2025-12-26	0	0	461	0
2025-12-27	0	0	577	0
2025-12-28	0	4,888	560	0
2025-12-29	0	252	442	0
2025-12-30	0	0	203	0
2025-12-31	0	0	394	0
2026-01-01	0	0	559	0
2026-01-02	0	0	546	0
2026-01-03	0	4,230	513	0

Notes:
Results in orange text exceed the PE-111578 East Sedimentation Pond Discharge Limit.
[1] As noted in PE-111578 Condition 2.1.4, the annual average authorized discharge rate from the East Sedimentation Pond to Howe Sound was set to 650 m^3/day for the purpose of calculating discharge fees as required by the Permit and Approval Fees and Charges Regulation. Therefore, the annual average authorized discharge rate is not evaluated as a discharge limit.
[2] East WWTP treated effluent was recirculated to the East Sedimentation Pond and on December 15, 16 and 17, East WWTP treated effluent intermittently discharged to Howe Sound.

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 2700GPM-IN	Station 2700GPM-IN	Station W2700T1-OUT	Station W2700T1-OUT
					Influent	Influent	Influent	Effluent	Effluent
					W2700-IN	W2700-IN	W2700-IN	W2700T1-OUT	W2700T1-OUT
					VA25D3427-002	VA25D4184-002	VA25D4204-002	VA25D3427-003	VA25D4184-003
		Long Term	Short Term		2025-12-15 12:33	2025-12-26 12:09	2025-12-28 11:20	2025-12-15 11:04	2025-12-26 11:00
General Parameters									
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.9	7.7	7.7	7.9	7.2
Specific Conductivity - Field	µS/cm	-	-	-	176	247	385	160	250
Temperature - Field	°C	-	-	-	10.2	4.8	3.5	10.2	4.8
Salinity - Field	ppt	-	-	-	0.08	0.12	0.18	0.08	0.12
Turbidity - Field	NTU	-	-	-	210.75	29.16	11.27	32.1	1.53
TSS	mg/L	-	-	25 or 75 [6]	280	29.5	8.1	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	11.14	12.95	13.69	12.06	13.43
Total Hardness	mg/L	-	-	-	98.6	50.8	44.6	48.9	47.6
Dissolved Hardness	mg/L	-	-	-	58.6	49.9	44.4	46.7	51.4
Anions and Nutrients									
Sulphate	mg/L	-	-	-	36.0	52.6	98.7	30.3	54.7
Chloride	mg/L	-	-	-	2.05	2.96	3.15	1.59	2.55
Fluoride	mg/L	-	1.5	-	0.05	0.046	0.065	0.03	0.049
Ammonia (N-NH_3)	mg/L	3.1-26 [3]	21-175 [3]	-	0.0114	<0.0050	<0.0050	<0.0050	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	-	0.0028	0.0097	0.0043	0.0045	0.0112
Nitrate (N-NO_3)	mg/L	3.7	339	-	0.407	0.219	0.195	0.244	0.221
Total Organic Carbon (TOC)	mg/L	-	-	-	5.6	2.16	1.55	2.56	1.46
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	2.18	1.78	1.40	2.27	1.53
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	-	17	1.66	0.471	1.52	0.0849
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00071	0.00058	0.0005	0.00047	0.0006
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00316	0.00117	0.00096	0.00122	0.00092
Barium, total (T-Ba)	mg/L	-	-	-	0.131	0.0164	0.00844	0.0146	0.00374
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.00026	0.000027	<0.000020	0.000036	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.018	0.012	0.012	<0.010	<0.010
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	***0.000178***	0.0000203	0.000011	0.0000229	<0.0000050
Chromium, total (T-Cr)	mg/L	-	-	-	0.00567	0.00098	<0.00050	0.00081	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.00472	0.00049	0.00013	0.00038	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.0166	0.00538	0.00304	0.00317	0.00105
Iron, total (T-Fe)	mg/L	-	-	-	12.7	1.29	0.27	0.922	0.038
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.0109	0.00195	0.000627	0.00177	0.000151
Manganese, total (T-Mn)	mg/L	-	-	-	0.506	0.0565	0.0189	0.043	0.0117
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.00837	0.00815	0.00887	0.006	0.00685
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.0039	0.00062	<0.00050	0.00053	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000109	0.000061	0.000059	0.000081	<0.000050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000045	<0.000010	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.00006	0.000012	<0.000010	0.000013	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.00448	0.00358	0.00425	0.00209	0.00265
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.0214	0.00296	0.00136	0.00242	0.00063
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0656	0.0132	0.0044	0.0078	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals									
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	0.0000075	<0.0000100	0.000006	<0.0000050	<0.0000050
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00113	0.00113	0.00122	0.00113	0.00094
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.112	0.015	<0.010	0.012	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	0.000193	0.000052	<0.000050	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0281	0.0127	0.00917	0.0115	0.0107
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0734	0.0669	0.0697	0.054	0.0628
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00152	0.00094	0.00081	0.00068	<0.00050
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0016	0.0037	0.0026	<0.0010	0.0013
Polycyclic Aromatic Hydrocarbons (PAHs)									
Acenaphthene	mg/L	0.006	-	-	<0.000010	<0.000010	<0.000010	-	-
Acridine	mg/L	-	-	-	<0.000010	<0.000010	<0.000010	-	-
Anthracene	mg/L	-	-	-	<0.000010	<0.000010	<0.000010	-	-
Benz(a)anthracene	mg/L	-	-	-	0.000031	<0.000010	<0.000010	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-	***0.0000315***	<0.0000050	<0.0000050	-	-
Chrysene	mg/L	0.0001	-	-	0.000032	<0.000010	<0.000010	-	-
Fluoranthene	mg/L	-	-	-	0.000059	<0.000010	<0.000010	-	-
Fluorene	mg/L	0.012	-	-	<0.000010	<0.000010	<0.000010	-	-
1-methylnaphthalene	mg/L	0.001	-	-	<0.000010	<0.000010	<0.000010	-	-
2-methylnaphthalene	mg/L	0.001	-	-	0.000014	0.000012	<0.000010	-	-
Naphthalene	mg/L	0.001	-	-	<0.000050	<0.000050	<0.000050	-	-
Phenanthrene	mg/L	-	-	-	0.000037	<0.000020	<0.000020	-	-
Pyrene	mg/L	-	-	-	0.000065	0.00001	<0.000010	-	-
Quinoline	mg/L	-	-	-	<0.000050	<0.000050	<0.000050	-	-
Volatile Organic Compounds (VOCs)									
Benzene	mg/L	0.11	-	-	<0.00050	<0.00050	<0.00050	-	-
Ethylbenzene	mg/L	0.25	-	-	<0.00050	<0.00050	<0.00050	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	<0.00050	<0.00050	<0.00050	-	-
Styrene	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	-	-
Toluene	mg/L	0.215	-	-	<0.00040	<0.00040	<0.00040	-	-
Total Xylenes	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	-	-
Chlorobenzene	mg/L	0.025	-	-	<0.00050	<0.00050	<0.00050	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	<0.00050	<0.00050	<0.00050	-	-

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 each day during the monitoring period (December 14, 2025 – January 3, 2026) except on December 31, January 1 and 2, 2026.
[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 2700GPM TSS Settling System Effluent Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station W2700T2-OUT Effluent W2700T2-OUT VA25D3427-004 2025-12-15 10:43	Station W2700T3-OUT Effluent W2700T3-OUT VA25D3427-005 2025-12-15 11:30	Station W2700T3-OUT Effluent W2700T3-OUT VA25D4184-005 2025-12-26 11:17	Station W2700T4-OUT Effluent W2700T4-OUT VA25D3427-006 2025-12-15 11:50
		Long Term	Short Term					
General Parameters								
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.8	7.9	7.3	7.8
Specific Conductivity - Field	µS/cm	-	-	-	151	160	273	146
Temperature - Field	℃	-	-	-	10.3	10.3	5.1	10.6
Salinity - Field	ppt	-	-	-	0.07	0.08	0.13	0.07
Turbidity - Field	NTU	-	-	-	3.32	9.62	7.35	3.75
TSS	mg/L	-	-	25 or 75 [6]	<3.0	<3.0	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	11.31	10.6	12.29	10.51
Total Hardness	mg/L	-	-	-	44.7	47	46.7	42.1
Dissolved Hardness	mg/L	-	-	-	46.3	47	50.2	43.9
Anions and Nutrients								
Sulphate	mg/L	-	-	-	27.3	30.2	61.8	26.7
Chloride	mg/L	-	-	-	1.61	1.56	2.5	1.55
Fluoride	mg/L	-	1.5	-	0.032	0.031	0.051	0.028
Ammonia ($N\text{-}NH_3$)	mg/L	3.1-18 [3]	21-121 [3]	-	<0.0050	0.0072	<0.0050	<0.0050
Nitrite ($N\text{-}NO_2$)	mg/L	-	-	-	0.0033	0.0046	0.0038	0.0048
Nitrate ($N\text{-}NO_3$)	mg/L	3.7	339	-	0.295	0.274	0.22	0.244
Total Organic Carbon (TOC)	mg/L	-	-	-	1.93	2.21	1.81	1.91
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	1.95	2.16	1.70	1.88
Total Metals								
Aluminum, total (T-Al)	mg/L	-	-	-	0.193	0.527	0.38	0.173
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00046	0.00047	0.00059	0.00054
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00098	0.001	0.00102	0.00087
Barium, total (T-Ba)	mg/L	-	-	-	0.00342	0.00593	0.00544	0.00226
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000020	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.011	<0.010	<0.010	<0.010
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.0000052	0.0000088	<0.0000100	<0.0000050
Chromium, total (T-Cr)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	<0.00010	0.00012	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00128	0.00179	0.00137	0.00329
Iron, total (T-Fe)	mg/L	-	-	-	0.089	0.267	0.19	0.077
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.000289	0.000734	0.000476	0.000339
Manganese, total (T-Mn)	mg/L	-	-	-	0.00499	0.0228	0.0121	0.00432
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.00633	0.00631	0.00798	0.00515
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000063	0.000072	0.000085	0.000055
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	-	-	-	0.00168	0.00199	0.00319	0.00166
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00094	0.00131	0.00104	0.00100
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	<0.0030	0.0033	<0.0030	0.0034
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals								
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00091	0.00096	0.00087	0.00082
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.012	<0.010	0.011	0.013
Lead, dissolved (D-Pb)	mg/L	-	-	-	0.000061	<0.000050	<0.000050	0.000058
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0026	0.0138	0.00601	0.00218
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0519	0.0518	0.0639	0.0487
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00077	0.00079	0.00067	0.00079
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0011	<0.0010	0.0012	0.0011
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 each day during the monitoring period (December 14, 2025 – January 3, 2026) except on December 31, January 1 and 2, 2026.
[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 2700GPM TSS Settling System Effluent Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station W2700T4-OUT Effluent W2700T4-OUT VA25D4184-006 2025-12-26 11:34	Station W2700T5-OUT Effluent W2700T5-OUT VA25D3427-007 2025-12-15 9:58	Station W2700T5-OUT Effluent W2700T5-OUT VA25D4184-007 2025-12-26 11:30	Station W2700T5-OUT Effluent W2700T5-OUT VA25D4204-003 2025-12-28 11:49
		Long Term	Short Term					
General Parameters								
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.4	7.9	7.4	7.6
Specific Conductivity - Field	µS/cm	-	-	-	213	153	263	388
Temperature - Field	℃	-	-	-	5.1	10.4	5.0	3.8
Salinity - Field	ppt	-	-	-	0.1	0.07	0.13	0.19
Turbidity - Field	NTU	-	-	-	1.54	13.26	0.55	0.35
TSS	mg/L	-	-	25 or 75 [6]	<3.0	7.2	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	11.74	11.65	11.68	14.34
Total Hardness	mg/L	-	-	-	49.2	46.8	50.6	45.4
Dissolved Hardness	mg/L	-	-	-	49.9	44.1	50.4	45.1
Anions and Nutrients								
Sulphate	mg/L	-	-	-	45.6	28.2	58.3	99.6
Chloride	mg/L	-	-	-	1.92	1.52	2.70	3.29
Fluoride	mg/L	-	1.5	-	0.034	0.030	0.047	0.063
Ammonia (N-NH_3)	mg/L	3.1-12 [3]	21-78 [3]	-	0.006	<0.0050	<0.0050	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	-	0.012	0.0035	0.0143	0.0049
Nitrate (N-NO_3)	mg/L	3.7	339	-	0.238	0.285	0.236	0.206
Total Organic Carbon (TOC)	mg/L	-	-	-	1.28	2.17	1.20	1.32
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	1.24	2.05	1.36	1.27
Total Metals								
Aluminum, total (T-Al)	mg/L	-	-	-	0.0745	0.655	0.0261	0.0184
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00093	0.00048	0.00059	0.00050
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00077	0.00102	0.00091	0.00089
Barium, total (T-Ba)	mg/L	-	-	-	0.00177	0.00711	0.00328	0.00391
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000020	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	<0.010	<0.010	<0.010	<0.010
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000050	0.0000136	<0.0000050	<0.0000050
Chromium, total (T-Cr)	mg/L	-	-	-	<0.00050	0.00079	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	<0.00010	0.00017	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00123	0.00210	0.00085	0.00116
Iron, total (T-Fe)	mg/L	-	-	-	0.03	0.453	<0.010	<0.010
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.000144	0.000973	0.000094	0.000170
Manganese, total (T-Mn)	mg/L	-	-	-	0.00194	0.0189	0.00996	0.00557
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.00461	0.00589	0.00813	0.00822
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.00006	0.000096	0.000086	0.000059
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	<0.000010	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.00175	0.00194	0.00289	0.00354
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	<0.00050	0.00155	0.00069	0.00066
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	<0.0030	0.0045	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals								
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.0008	0.00099	0.00085	0.00084
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	0.000077	0.000085
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00093	0.00628	0.00965	0.00567
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0579	0.0545	0.0664	0.0702
Vanadium, dissolved (D-V)	mg/L	-	-	-	<0.00050	0.00079	0.00068	0.00056
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0018	<0.0010	<0.0010	0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)								
Acenaphthene	mg/L	0.006	-	-	-	-	-	-
Acridine	mg/L	-	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-	-
Benz(a)anthracene	mg/L	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-	-	-	-	-
Chrysene	mg/L	0.0001	-	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-	-
Fluorene	mg/L	0.012	-	-	-	-	-	-
1-methylnaphthalene	mg/L	0.001	-	-	-	-	-	-
2-methylnaphthalene	mg/L	0.001	-	-	-	-	-	-
Naphthalene	mg/L	0.001	-	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-	-
Quinoline	mg/L	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)								
Benzene	mg/L	0.11	-	-	-	-	-	-
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 each day during the monitoring period (December 14, 2025 – January 3, 2026) except on December 31, January 1 and 2, 2026.
[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-4:
West 2700GPM TSS Settling System Effluent Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station W2700T6-OUT Effluent W2700T6-OUT VA25D3427-008 2025-12-15 10:16	Station W2700T6-OUT Effluent W2700T6-OUT VA25D4184-008 2025-12-26 11:53	Station W2700T6-OUT Effluent W2700T6-OUT VA25D4204-004 2025-12-28 11:59
		Long Term	Short Term				
General Parameters							
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.9	7.5	7.7
Specific Conductivity - Field	µS/cm	-	-	-	151	263	388
Temperature - Field	℃	-	-	-	10.4	5.2	4.1
Salinity - Field	ppt	-	-	-	0.07	0.13	0.19
Turbidity - Field	NTU	-	-	-	9.41	0.65	0.49
TSS	mg/L	-	-	25 or 75 [6]	<3.0	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	12.30	14.07	15.38
Total Hardness	mg/L	-	-	-	44.5	48.6	46.7
Dissolved Hardness	mg/L	-	-	-	44.3	50.1	46.6
Anions and Nutrients							
Sulphate	mg/L	-	-	-	27.8	58.0	99.8
Chloride	mg/L	-	-	-	1.50	2.63	3.27
Fluoride	mg/L	-	1.5	-	0.030	0.047	0.063
Ammonia ($N\text{-}NH_3$)	mg/L	3.1-12 [3]	21-78 [3]	-	<0.0050	<0.0050	<0.0050
Nitrite ($N\text{-}NO_2$)	mg/L	-	-	-	0.0035	0.0119	0.0045
Nitrate ($N\text{-}NO_3$)	mg/L	3.7	339	-	0.240	0.227	0.211
Total Organic Carbon (TOC)	mg/L	-	-	-	2.10	1.36	1.19
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	2.04	1.41	1.45
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	0.507	0.0228	0.0186
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00044	0.00057	0.00049
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00092	0.00092	0.00080
Barium, total (T-Ba)	mg/L	-	-	-	0.00542	0.00218	0.00324
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	-	-	0.0000118	<0.0000050	<0.0000050
Chromium, total (T-Cr)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.00013	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00211	0.00089	0.00153
Iron, total (T-Fe)	mg/L	-	-	-	0.271	<0.010	<0.010
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.000956	0.000128	0.000216
Manganese, total (T-Mn)	mg/L	-	-	-	0.0205	0.0129	0.00997
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.00523	0.00758	0.00807
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000064	0.000060	0.000071
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000011	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.00199	0.00273	0.00346
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00116	0.00054	0.00056
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0039	<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	-	-	-	<0.0000050	<0.0000050	<0.0000050
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00087	0.00087	0.00084
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	0.000089	0.000093
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0115	0.0128	0.0103
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0512	0.0659	0.0672
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00059	0.00050	<0.00050
Zinc, dissolved (D-Zn)	mg/L	-	-	-	<0.0010	0.0011	0.0011
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 each day during the monitoring period (December 14, 2025 – January 3, 2026) except on December 31, January 1 and 2, 2026.
[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-5:
West Sedimentation Pond Influent Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station SP-W-IN Influent SP-W-IN VA25D3427-001 2025-12-15 13:17	Station SP-W-IN Influent SP-W-IN VA25D4184-001 2025-12-26 12:25	Station SP-W-IN Influent SP-W-IN VA25D4204-001 2025-12-28 11:35
		Long Term	Short Term				
General Parameters							
pH - Field	pH units	- [2]	-	5.5 - 9.0	8.0	7.8	7.6
Specific Conductivity - Field	µS/cm	-	-	-	185	203	388
Temperature - Field	℃	-	-	-	10.4	5.1	3.6
Salinity - Field	ppt	-	-	-	0.09	0.1	0.19
Turbidity - Field	NTU	-	-	-	150.43	37.55	12.26
TSS	mg/L	-	-	25 or 75 [6]	221	45.1	13.9
Dissolved Oxygen - Field	mg/L	≥8	-	-	10.84	12.83	13.75
Total Hardness	mg/L	-	-	-	92.6	53.1	44.3
Dissolved Hardness	mg/L	-	-	-	62.8	49.6	42.3
Anions and Nutrients							
Sulphate	mg/L	-	-	-	39.2	37.1	98.1
Chloride	mg/L	-	-	-	2.4	4.49	3.05
Fluoride	mg/L	-	1.5	-	0.05	0.047	0.069
Ammonia ($N\text{-}NH_3$)	mg/L	2-10 [3]	13-69 [3]	-	0.0095	<0.0050	<0.0050
Nitrite ($N\text{-}NO_2$)	mg/L	-	-	-	0.003	0.006	0.0036
Nitrate ($N\text{-}NO_3$)	mg/L	3.7	339	-	0.501	0.275	0.191
Total Organic Carbon (TOC)	mg/L	-	-	-	5.23	2.55	2.28
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	2.22	1.61	1.77
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	11.6	2.38	0.709
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00076	0.00063	0.00051
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00269	0.00146	0.00104
Barium, total (T-Ba)	mg/L	-	-	-	0.0983	0.0228	0.0107
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000178	0.00004	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.02	0.014	0.014
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.00012	0.0000331	0.0000117
Chromium, total (T-Cr)	mg/L	-	-	-	0.00466	0.00107	0.00051
Cobalt, total (T-Co)	mg/L	-	-	-	0.00353	0.00063	0.00018
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.0121	0.00318	0.00148
Iron, total (T-Fe)	mg/L	-	-	-	9.42	1.65	0.459
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.00827	0.00258	0.000664
Manganese, total (T-Mn)	mg/L	-	-	-	0.348	0.0672	0.0243
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.00941	0.00787	0.00929
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00302	0.00058	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000084	<0.000050	0.000072
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000028	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.00005	0.000013	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.00487	0.00436	0.0049
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.0166	0.0041	0.00172
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0492	0.0129	0.0042
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	0.0000069	<0.0000100	0.0000082
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00093	0.0009	0.00279
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	<0.010	0.294
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	0.000052
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0197	0.00767	0.0131
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0779	0.0633	0.0667
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00143	0.00142	0.00107
Zinc, dissolved (D-Zn)	mg/L	-	-	-	<0.0010	0.0012	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:
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 each day during the monitoring period (December 14, 2025 – January 3, 2026) except on December 31, January 1 and 2, 2026.
[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-6:
West Sedimentation Pond Effluent Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station SP-W-OUT Effluent SP-W-OUT VA25D3427-009 2025-12-15 8:11	Station SP-W-OUT Effluent SP-W-OUT VA25D3532-001 2025-12-16 13:34	Station SP-W-OUT Effluent SP-W-OUT-DUP VA25D3532-002 2025-12-16 13:36
		Long Term	Short Term				
General Parameters							
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.6	7.9	7.9
Specific Conductivity - Field	µS/cm	-	-	-	168	157	157
Temperature - Field	℃	-	-	-	11.5	9.0	9.0
Salinity - Field	ppt	-	-	-	0.08	0.07	0.07
Turbidity - Field	NTU	-	-	-	110.59	8.56	7.98
TSS	mg/L	-	-	25 or 75 [6]	157	3.6	4.4
Dissolved Oxygen - Field	mg/L	≥8	-	-	11.36	11.56	11.53
Total Hardness	mg/L	-	-	-	53.4	50.2	47.6
Dissolved Hardness	mg/L	-	-	-	43.2	48.4	49.3
Anions and Nutrients							
Sulphate	mg/L	-	-	-	27.3	26.6	26.6
Chloride	mg/L	-	-	-	7.36	2.33	2.32
Fluoride	mg/L	-	1.5	-	0.045	0.055	0.053
Ammonia (N-NH_3)	mg/L	4.7-5.0 [3]	31-33 [3]	-	<0.0050	<0.0050	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	-	0.0038	0.0031	0.003
Nitrate (N-NO_3)	mg/L	3.7	339	-	0.235	0.352	0.353
Total Organic Carbon (TOC)	mg/L	-	-	-	3.46	1.64	1.82
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	2.15	1.64	2.44
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	4.5	0.54	0.521
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00054	0.00059	0.00059
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00154	0.00127	0.00122
Barium, total (T-Ba)	mg/L	-	-	-	0.0358	0.00553	0.00523
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000075	<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	-	-	0.0000456	<0.0000100	0.0000076
Chromium, total (T-Cr)	mg/L	-	-	-	0.00195	<0.00050	0.00056
Cobalt, total (T-Co)	mg/L	-	-	-	0.00139	0.00012	0.00012
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00556	0.00121	0.00123
Iron, total (T-Fe)	mg/L	-	-	-	3.64	0.24	0.246
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.00342	0.000385	0.000377
Manganese, total (T-Mn)	mg/L	-	-	-	0.135	0.0146	0.0142
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.00623	0.00701	0.00688
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00129	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000052	0.000051	0.000063
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	0.000016	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000024	0.00001	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.00221	0.00406	0.00398
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.0065	0.00179	0.00164
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0189	<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	-	-	-	<0.0000050	<0.0000050	<0.0000050
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00089	0.00084	0.00086
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.034	0.033	0.035
Lead, dissolved (D-Pb)	mg/L	-	-	-	0.000077	0.000083	0.000082
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0115	0.00778	0.00784
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0514	0.0504	0.0506
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00086	0.00107	0.0011
Zinc, dissolved (D-Zn)	mg/L	-	-	-	<0.0010	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.006	-	-	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	-	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	-	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	-	0.000011	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	-	0.0000097	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	-	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	-	0.00002	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	-	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	-	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	-	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	-	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	-	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	-	0.000021	<0.000010	<0.000010
Quinoline	mg/L	-	-	-	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)							
Benzene	mg/L	0.11	-	-	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.25	-	-	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	-	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	-	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	-	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	-	<0.00050	<0.00050	<0.00050

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 each day during the monitoring period (December 14, 2025 – January 3, 2026) except on December 31, January 1 and 2, 2026.
[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-7:
West Sedimentation Pond Effluent Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station SP-W-OUT Effluent SP-W-OUT VA25D3669-001 2025-12-17 16:44	Station SP-W-OUT Effluent SP-W-OUT-DUP VA25D3669-002 2025-12-17 16:47	Station SP-W-OUT Effluent SP-W-OUT VA25D4184-009 2025-12-26 10:05	Station SP-W-OUT Effluent SP-W-OUT VA25D4204-005 2025-12-28 10:45
		Long Term	Short Term					
General Parameters								
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.6	7.8	7.1	7.3
Specific Conductivity - Field	µS/cm	-	-	-	141	140	254	388
Temperature - Field	℃	-	-	-	8.4	8.4	6.1	3.8
Salinity - Field	ppt	-	-	-	0.07	0.07	0.12	0.19
Turbidity - Field	NTU	-	-	-	8.31	8.37	2.56	2.27
TSS	mg/L	-	-	25 or 75 [6]	5.3	3.9	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	12.02	12.06	12.62	14.79
Total Hardness	mg/L	-	-	-	47.8	49	50	47.1
Dissolved Hardness	mg/L	-	-	-	47.2	49.2	52.1	45.4
Anions and Nutrients								
Sulphate	mg/L	-	-	-	19.5	19.5	55.1	99.9
Chloride	mg/L	-	-	-	1.76	1.75	2.38	3.28
Fluoride	mg/L	-	1.5	-	0.047	0.048	0.046	0.064
Ammonia ($N\text{-}NH_3$)	mg/L	4.7-29 [3]	31-191 [3]	-	<0.0050	<0.0050	<0.0050	<0.0050
Nitrite ($N\text{-}NO_2$)	mg/L	-	-	-	0.0031	0.0029	0.0105	0.0049
Nitrate ($N\text{-}NO_3$)	mg/L	3.7	339	-	0.273	0.272	0.225	0.209
Total Organic Carbon (TOC)	mg/L	-	-	-	2.56	2.4	1.57	1.19
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	2.43	2.32	1.42	1.37
Total Metals								
Aluminum, total (T-Al)	mg/L	-	-	-	0.449	0.447	0.142	0.0188
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00061	0.00061	0.00064	0.0005
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00121	0.00125	0.00092	0.00081
Barium, total (T-Ba)	mg/L	-	-	-	0.00584	0.0058	0.00379	0.00352
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000020	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.011	0.011	<0.010	<0.010
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000100	<0.0000050	<0.0000050	<0.0000050
Chromium, total (T-Cr)	mg/L	-	-	-	0.00051	0.00053	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	<0.00010	<0.00010	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00126	0.00131	0.00069	0.00178
Iron, total (T-Fe)	mg/L	-	-	-	0.19	0.188	0.067	0.017
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.000337	0.000345	0.000165	0.000132
Manganese, total (T-Mn)	mg/L	-	-	-	0.0127	0.0122	0.0105	0.00817
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.00664	0.00679	0.00697	0.00802
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000067	0.000074	0.000054	0.000061
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	<0.000010	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	-	-	-	0.00348	0.00353	0.00269	0.00351
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00161	0.00157	0.00071	0.00064
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals								
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00095	0.00096	0.00053	0.00061
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.036	0.039	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	0.000089	0.000084	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00632	0.00652	0.00861	0.00813
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0559	0.0539	0.0648	0.0681
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00124	0.0013	0.00056	0.00053
Zinc, dissolved (D-Zn)	mg/L	-	-	-	<0.0010	<0.0010	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)								
Acenaphthene	mg/L	0.006	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	-	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	-	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	-	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	-	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	-	<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
Ethylbenzene	mg/L	0.25	-	-	<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
Styrene	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	-	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	-	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	-	<0.00050	<0.00050	<0.00050	<0.00050

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 each day during the monitoring period (December 14, 2025 – January 3, 2026) except on December 31, January 1 and 2, 2026.
[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-8:
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]	0.0012-0.017 [3,4]
Station	**Water Type**	**Sample ID**	**Lab ID**	**Sampling Date**		
Influent						
SP-W-IN	Influent	SP-W-IN	VA25D3427-001	2025-12-15	***0.000234***	***0.0232***
SP-W-IN	Influent	SP-W-IN	VA25D4184-001	2025-12-26	0.000078	0.00886
SP-W-IN	Influent	SP-W-IN	VA25D4204-001	2025-12-28	0.000031	0.00514
2700GPM-IN	Influent	W2700-IN	VA25D3427-002	2025-12-15	***0.000236***	***0.0296***
2700GPM-IN	Influent	W2700-IN	VA25D4184-002	2025-12-26	0.000052	0.00448
2700GPM-IN	Influent	W2700-IN	VA25D4204-002	2025-12-28	0.000028	0.00339
Effluent						
SP-W-OUT	Effluent	SP-W-OUT	VA25D3427-009	2025-12-15	0.000083	0.0137
SP-W-OUT	Effluent	SP-W-OUT	VA25D4184-009	2025-12-26	<0.000020	0.00083
SP-W-OUT	Effluent	SP-W-OUT	VA25D4204-005	2025-12-28	0.000042	<0.00050
W2700T1-OUT	Effluent	W2700T1-OUT	VA25D3427-003	2025-12-15	0.000031	0.00621
W2700T1-OUT	Effluent	W2700T1-OUT	VA25D4184-003	2025-12-26	0.000031	0.00063
W2700T2-OUT	Effluent	W2700T2-OUT	VA25D3427-004	2025-12-15	0.000024	0.00195
W2700T3-OUT	Effluent	W2700T3-OUT	VA25D3427-005	2025-12-15	0.000025	0.00353
W2700T3-OUT	Effluent	W2700T3-OUT	VA25D4184-005	2025-12-26	0.000022	0.00152
W2700T4-OUT	Effluent	W2700T4-OUT	VA25D3427-006	2025-12-15	<0.000020	0.00173
W2700T4-OUT	Effluent	W2700T4-OUT	VA25D4184-006	2025-12-26	<0.000020	<0.00050
W2700T5-OUT	Effluent	W2700T5-OUT	VA25D3427-007	2025-12-15	0.000021	0.00421
W2700T5-OUT	Effluent	W2700T5-OUT	VA25D4184-007	2025-12-26	<0.000020	<0.00050
W2700T5-OUT	Effluent	W2700T5-OUT	VA25D4204-003	2025-12-28	<0.000020	<0.00050
W2700T6-OUT	Effluent	W2700T6-OUT	VA25D3427-008	2025-12-15	0.000025	0.00346
W2700T6-OUT	Effluent	W2700T6-OUT	VA25D4184-008	2025-12-26	<0.000020	<0.00050
W2700T6-OUT	Effluent	W2700T6-OUT	VA25D4204-004	2025-12-28	<0.000020	<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-9:
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	VA25D0615-001	2025-11-16	0.269	1.51
Effluent						
SP-W-OUT	Effluent	SP-W-OUT	VA25D0615-002	2025-11-16	0.0640	1.13

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-10:
West Catchment Field Measurements Collected During the Monitoring Period (December 14, 2025 – January 3, 2026).

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	2025-12-14 13:27	9.0	11.61	0.08	298.13	225.3	8.0	163	No
SP-W-IN	Influent	2025-12-15 13:17	10.4	10.84	0.09	150.43	115.2	8.0	185	No
SP-W-IN	Influent	2025-12-16 14:08	8.9	11.24	0.07	119.31	92.0	8.3	151	No
SP-W-IN	Influent	2025-12-17 11:34	8.5	11.92	0.07	16.4	15.2	8.5	141	No
SP-W-IN	Influent	2025-12-18 11:02	6.8	11.77	0.08	212.3	161.3	6.8	169	No
SP-W-IN	Influent	2025-12-19 11:26	6.8	12.06	0.11	17.39	16.0	7.6	223	No
SP-W-IN	Influent	2025-12-20 16:10	6.1	12.21	0.13	186.38	142.0	7.5	266	No
SP-W-IN	Influent	2025-12-21 16:15	6.8	11.67	0.11	149.54	114.5	7.7	224	No
SP-W-IN	Influent	2025-12-22 10:56	6.7	11.87	0.10	17.13	15.8	6.9	211	No
SP-W-IN	Influent	2025-12-23 14:39	6.5	11.81	0.09	19.06	17.2	7.6	195	No
SP-W-IN	Influent	2025-12-24 13:46	5.8	12.78	0.11	51.29	41.3	7.7	241	No
SP-W-IN	Influent	2025-12-25 12:13	5.5	12.51	0.16	5.10	6.8	7.4	325	No
SP-W-IN	Influent	2025-12-26 12:25	5.1	12.83	0.10	37.55	31.0	7.8	203	No
SP-W-IN	Influent	2025-12-27 10:06	3.7	13.03	0.17	46.44	37.6	7.0	366	No
SP-W-IN	Influent	2025-12-28 11:35	3.6	13.75	0.19	12.26	12.1	7.6	388	No
SP-W-IN	Influent	2025-12-29 9:08	4.1	14.07	0.18	2.33	4.7	7.4	385	No
SP-W-IN	Influent	2025-12-30 9:29	5	13.25	0.18	2.38	4.8	7.6	380	No
SP-W-IN	Influent	2025-12-31 13:52	5.1	13.54	0.18	2.38	4.8	7.8	373	No
SP-W-IN	Influent	2026-01-01 9:41	4.6	13.61	0.18	2.18	4.6	7.9	366	No
SP-W-IN	Influent	2026-01-02 11:34	5.7	13.24	0.18	1.14	3.9	7.4	376	No
SP-W-IN	Influent	2026-01-03 11:04	5.5	12.54	0.09	901.77	675.5	9.0	185	No
2700GPM-IN	Influent	2025-12-14 13:23	9.1	11.58	0.11	258.03	195.4	7.9	225	No
2700GPM-IN	Influent	2025-12-15 12:33	10.2	11.14	0.08	210.75	160.2	7.9	176	No
2700GPM-IN	Influent	2025-12-16 14:03	8.9	11.30	0.07	80.89	63.3	8.2	150	No
2700GPM-IN	Influent	2025-12-17 11:38	8.4	11.83	0.05	80.33	62.9	8.3	100	No
2700GPM-IN	Influent	2025-12-18 11:06	6.8	12.00	0.08	226.16	171.7	7.0	169	No
2700GPM-IN	Influent	2025-12-19 11:18	6.9	11.91	0.12	85.25	66.6	7.5	246	No
2700GPM-IN	Influent	2025-12-20 16:07	6.3	12.19	0.11	166.64	127.3	7.5	221	No
2700GPM-IN	Influent	2025-12-21 16:09	6.9	11.85	0.10	51.90	41.7	7.6	220	No
2700GPM-IN	Influent	2025-12-22 10:52	6.8	12.01	0.09	33.98	28.3	6.6	196	No
2700GPM-IN	Influent	2025-12-23 14:29	6.4	12.07	0.10	64.99	51.5	7.3	207	No
2700GPM-IN	Influent	2025-12-24 13:38	5.9	12.41	0.12	30.79	26.0	7.5	254	No
2700GPM-IN	Influent	2025-12-25 12:11	5.6	12.41	0.15	23.05	20.2	7.3	311	No
2700GPM-IN	Influent	2025-12-26 12:09	4.8	12.95	0.12	29.16	24.7	7.7	247	No
2700GPM-IN	Influent	2025-12-27 10:03	3.6	13.20	0.02	59.94	47.7	6.7	41	No
2700GPM-IN	Influent	2025-12-28 11:20	3.5	13.69	0.18	11.27	11.4	7.7	385	No
2700GPM-IN	Influent	2025-12-29 9:05	4.1	13.73	0.19	6.35	7.7	7.4	388	No
2700GPM-IN	Influent	2025-12-30 9:24	4.5	13.39	0.19	10.99	11.2	7.8	389	No
2700GPM-IN	Influent	2025-12-31 13:46	5.2	13.26	0.18	3.34	5.5	7.7	373	No
2700GPM-IN	Influent	2026-01-01 9:31	4.7	13.26	0.18	3.76	5.8	7.8	372	No
2700GPM-IN	Influent	2026-01-02 11:50	5.7	12.68	0.18	1.68	4.3	7.5	376	No
2700GPM-IN	Influent	2026-01-03 11:00	6.2	12.09	0.16	130.51	100.3	8.5	327	No
Effluent [5]										
SP-W-OUT	Effluent	2025-12-14 17:19	9.2	11.88	0.1	3.77	5.8	7.6	201	No
SP-W-OUT	Effluent	2025-12-15 4:25	10.0	11.26	0.07	29.68	25.1	7.1	158	No
SP-W-OUT	Effluent	2025-12-15 4:30	9.7	11.5	0.03	55.9	44.7	7.4	73	No
SP-W-OUT	Effluent	2025-12-15 8:11	11.5	11.36	0.08	110.59	85.5	7.6	168	No
SP-W-OUT	Effluent	2025-12-16 13:34	9.0	11.56	0.07	8.56	9.4	7.9	157	No
SP-W-OUT	Effluent	2025-12-17 16:44	8.4	12.02	0.07	8.31	9.2	7.6	141	No
SP-W-OUT	Effluent	2025-12-18 10:55	7.8	12.05	0.08	8.52	9.4	7.0	178	No
SP-W-OUT	Effluent	2025-12-18 12:48	7.1	12.4	0.08	12.04	12.0	7.1	175	No
SP-W-OUT	Effluent	2025-12-19 11:21	6.5	11.87	0.13	5.63	7.2	7.5	270	No
SP-W-OUT	Effluent	2025-12-20 16:14	6.2	11.02	0.1	5.92	7.4	7.5	205	No
SP-W-OUT	Effluent	2025-12-21 16:12	7.8	12.29	0.1	6.25	7.7	7.7	214	No
SP-W-OUT	Effluent	2025-12-22 11:01	6.7	12.31	0.1	4.55	6.4	7.1	207	No
SP-W-OUT	Effluent	2025-12-23 14:35	6.3	12.22	0.11	4.68	6.5	7.5	222	No
SP-W-OUT	Effluent	2025-12-24 13:42	5.9	12.64	0.12	5.28	6.9	7.6	261	No
SP-W-OUT	Effluent	2025-12-25 11:08	12.0	11.28	0.13	5.47	7.1	7.9	271	No
SP-W-OUT	Effluent	2025-12-26 10:05	6.1	12.62	0.12	2.56	4.9	7.1	254	No
SP-W-OUT	Effluent	2025-12-27 9:05	5.0	12.87	0.15	0.23	3.2	8.0	322	No
SP-W-OUT	Effluent	2025-12-28 10:45	3.8	14.79	0.19	2.27	4.7	7.3	388	No
SP-W-OUT	Effluent	2025-12-30 9:11	4.7	13.74	0.18	2.21	4.6	7.8	380	No
SP-W-OUT	Effluent	2026-01-03 10:48	6.7	11.74	0.19	3.94	5.9	8.5	388	No
SP-W-OUT	Effluent	2026-01-03 12:27	7.0	11.94	0.16	4.72	6.5	7.2	342	No

Notes:
West catchment influents for December 14, 2025 – January 3, 2026 were not discharged to Howe Sound. Results above screening values are only highlighted for comparative purposes.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
Results in orange text exceed the PE-111578 West Sedimentation Pond Discharge Limit.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] The WQG was not evaluated for parameters with discharge limits.
[3] TSS concentration is estimated from field turbidity measurements using a site-specific relationship TSS = 0.7458 * [turbidity as NTU] + 3.
[4] Daily field measurements for station SP-W-IN were collected from cell 1 of the West Sedimentation Pond.
[5] As described in Section 1.1, when there is surplus water, West Sedimentation Pond clarified effluent from the individual 2700GPM trains is directed to SP-W-OUT for discharge. 2700GPM clarified effluent from all treatment trains was intermittently discharged to Howe Sound at the authorized discharge location (SP-W-OUT) each day during the monitoring period (December 14, 2025 – January 3, 2026) except on December 31, January 1 and 2. As described in Section 1.2, during emergency discharge conditions, the West Sedimentation Pond passively discharged to Howe Sound from SP-W-OUT on December 15, 16 and 17. There was no discharge at the authorized discharge location (SP-W-OUT) at the time of monitoring on December 29 and 31 as well as January 1 and 2, 2026, therefore daily field measurements were not collected on those days.
[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-11:
West Catchment Daily Discharge Volumes for the Monitoring Period (December 14, 2025 – January 3, 2026).

	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					
2025-12-14	0	5,651	0	0	4,800
2025-12-15	7,387	7,531	0	0	14,866
2025-12-16	1,032	6,348	0	0	7,109
2025-12-17	924	4,993	0	0	4,010
2025-12-18	0	6,828	0	0	5,518
2025-12-19	0	4,589	0	0	3,076
2025-12-20	0	4,843	0	0	3,480
2025-12-21	0	4,673	0	0	3,550
2025-12-22	0	4,327	0	0	2,115
2025-12-23	0	2,117	0	0	648
2025-12-24	0	3,081	0	0	749
2025-12-25	0	3,209	0	0	540
2025-12-26	0	3,190	0	0	1,495
2025-12-27	0	3,044	0	0	716
2025-12-28	0	2,675	0	0	444
2025-12-29	0	1,892	0	0	39
2025-12-30	0	2,972	0	0	275
2025-12-31	0	2,883	0	0	0
2026-01-01	0	3,442	0	0	0
2026-01-02	0	3,597	0	0	0
2026-01-03	0	3,939	0	0	2,384

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

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

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

Parameter	Unit	Lowest Applicable Guideline [1, 2]		Station OUT-06 Non-contact Water Diversion Ditch Outlet OUT-06 VA25D2838-001
		Long Term	Short Term	2025-12-08 15:37
General Parameters				
pH - Field	pH units	6.5 - 9.0	-	6.8
Specific Conductivity - Field	µS/cm	-	-	33
Temperature - Field	℃	-	-	8.4
Salinity - Field	ppt	-	-	0.01
Turbidity - Field	NTU	-	-	2.38
TSS	mg/L	-	-	4.5
Dissolved Oxygen - Field	mg/L	>=8	>=5	11.28
Total Hardness	mg/L	-	-	15.7
Dissolved Hardness	mg/L	-	-	15.1
Anions and Nutrients				
Sulphate [2]	mg/L	128	-	1.98
Chloride	mg/L	120	600	0.55
Fluoride [2]	mg/L	-	0.590	<0.020
Ammonia ($N\text{-}NH_3$) [2]	mg/L	1.88-15.3	23.4	<0.0050
Nitrite ($N\text{-}NO_2$) [2]	mg/L	0.0200	0.1	<0.0010
Nitrate ($N\text{-}NO_3$)	mg/L	3	32.8	0.18
Total Organic Carbon (TOC)	mg/L	-	-	6.06
Total Inorganic Carbon (DOC)	mg/L	-	-	5.97
Total Metals				
Aluminum, total (T-Al) [2]	mg/L	0.101	-	***0.367***
Antimony, total (T-Sb)	mg/L	0.074	-	0.00012
Arsenic, total (T-As)	mg/L	0.005	-	0.00024
Barium, total (T-Ba)	mg/L	1	-	0.00643
Beryllium, total (T-Be)	mg/L	0.00013	-	<0.000020
Boron, total (T-B)	mg/L	1.2	29	<0.010
Cadmium, total (T-Cd) [2]	mg/L	0.0000364	0.000320	0.0000072
Chromium, total (T-Cr) [3]	mg/L	0.001	-	<0.00050
Cobalt, total (T-Co) [2]	mg/L	0.000389	-	<0.00010
Copper, total (T-Cu)	mg/L	-	-	0.00118
Iron, total (T-Fe)	mg/L	0.3	1	0.147
Lead, total (T-Pb)	mg/L	-	-	0.000689
Manganese, total (T-Mn) [2]	mg/L	0.768	0.816	0.00469
Molybdenum, total (T-Mo)	mg/L	0.073	46	0.000619
Nickel, total (T-Ni) [2]	mg/L	0.0250	-	<0.00050
Selenium, total (T-Se)	mg/L	0.001	-	<0.000050
Silver, total (T-Ag)	mg/L	0.00012	-	<0.000010
Thallium, total (T-Tl)	mg/L	0.0008	-	<0.000010
Uranium, total (T-U)	mg/L	0.0085	0.033	0.000077
Vanadium, total (T-V)	mg/L	0.12	-	0.00074
Zinc, total (T-Zn)	mg/L	-	-	<0.0030
Hexavalent Chromium, total	mg/L	0.001	-	-
Dissolved Metals				
Cadmium, dissolved (D-Cd) [2]	mg/L	0.0000541	0.0000874	<0.0000050
Copper, dissolved (D-Cu) [2]	mg/L	0.000769	0.00477	***0.00093***
Iron, dissolved (D-Fe)	mg/L	-	0.35	0.022
Lead, dissolved (D-Pb) [2]	mg/L	0.00349	-	0.000134
Manganese, dissolved (D-Mn) [2]	mg/L	0.350	1.97	0.0009
Nickel, dissolved (D-Ni) [2]	mg/L	0.000900	0.0155	<0.00050
Strontium, dissolved (D-Sr)	mg/L	2.5	-	0.0245
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050
Zinc, dissolved (D-Zn) [2]	mg/L	0.00806	0.0129	0.0022
Polycyclic Aromatic Hydrocarbons (PAHs)				
Acenaphthene	mg/L	0.0058	-	-
Acridine	mg/L	0.003	-	-
Anthracene	mg/L	0.000012	-	-
Benz(a)anthracene	mg/L	0.000018	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-
Chrysene	mg/L	-	-	-
Fluoranthene	mg/L	0.00004	-	-
Fluorene	mg/L	0.003	-	-
1-methylnaphthalene	mg/L	-	-	-
2-methylnaphthalene	mg/L	-	-	-
Naphthalene	mg/L	0.001	0.001	-
Phenanthrene	mg/L	0.0003	-	-
Pyrene	mg/L	0.00002	-	-
Quinoline	mg/L	0.0034	-	-
Volatile Organic Compounds (VOCs)				
Benzene	mg/L	0.04	-	-
Ethylbenzene	mg/L	0.09	-	-
Methyl-tert-butyl-ether	mg/L	10	3.4	-
Styrene	mg/L	0.072	-	-
Toluene	mg/L	0.0005	-	-
Total Xylenes	mg/L	0.03	-	-
Chlorobenzene	mg/L	-	-	-
1,2-Dichlorobenzene	mg/L	-	-	-

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:
Non-contact Water Diversion Ditch Outlet 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]	0.0076-0.019 [3,4]
Station	**Description**	**Sample ID**	**Lab ID**	**Sampling Date**		
OUT-01	Non-Contact Water Diversion Ditch Outlet	OUT-01	VA25D0675-001	2025-11-17	0.000034	0.00269
OUT-01	Non-Contact Water Diversion Ditch Outlet	OUT-01	VA25D1286-001	2025-11-22	0.000035	0.00403
OUT-02	Non-Contact Water Diversion Ditch Outlet	OUT-02	VA25D0675-002	2025-11-17	0.000035	0.00285
OUT-02	Non-Contact Water Diversion Ditch Outlet	OUT-02	VA25D1286-002	2025-11-22	0.000033	0.00415
OUT-06	Non-Contact Water Diversion Ditch Outlet	OUT-06	VA25D0675-003	2025-11-17	0.000039	0.00297
OUT-06	Non-Contact Water Diversion Ditch Outlet	OUT-06	VA25D1286-003	2025-11-22	0.000058	0.00870
OUT-06	Non-Contact Water Diversion Ditch Outlet	OUT-06	VA25D2838-001	2025-12-08	0.000042	0.00808

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.

Appendix E:
Freshwater Receiving Environment Results

Table E-1:
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]	0.0038-0.0046 [3,4]
Station	**Description**	**Sample ID**	**Lab ID**	**Sampling Date**		
SW-02	Lower Freshwater Reach of Mill Creek (upstream of the third bridge)	SW-02	VA25D2373-001	2025-12-03	<0.000020	0.00076
SW-07	Upstream Mill Creek (at the diversion inlet)	SW-07	VA25D2373-003	2025-12-03	<0.000020	0.00092

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.

Appendix F:
Estuarine Water Receiving Environment Results

Table F-1:
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]	0.0070 [3,4]
Station	**Description**	**Sample ID**	**Lab ID**	**Sampling Date**		
SW-03	Mill Creek Estuary	SW-03	VA25D2373-002	2025-12-03	<0.000020	0.00139

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.

Appendix G:
Marine Water Receiving Environment Results

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

Parameter	Unit	Lowest Applicable Guideline [1]		Station IDZ-E1	Station IDZ-E2	Station IDZ-W1	Station IDZ-W2	Station IDZ-W2
				0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface
				IDZ-E1-0.5	IDZ-E2-0.5	IDZ-W1-0.5	IDZ-W2-0.5	IDZ-W2-0.5-DUP
				VA25D1584-001	VA25D1584-002	VA25D1584-003	VA25D1584-004	VA25D1584-007
		Long Term	Short Term	2025-11-25 8:54	2025-11-25 11:00	2025-11-25 14:10	2025-11-25 14:50	2025-11-25 15:27
General Parameters								
pH - Field	pH units	7.0 - 8.7	-	7.71	7.25	7.5	***6.5***	-
Specific Conductivity - Field	µS/cm	-	-	15656	13141	11095	12482	-
Temperature - Field	°C	-	-	8.0	6.9	6.4	6.8	-
Salinity - Field	ppt	Narrative [2]	-	9.12	7.54	6.28	7.13	-
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	1.52	1.82	1.95	1.99	-
TSS	mg/L	Narrative [2]	Narrative [2]	2.7	<2.0	<2.0	<2.0	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	8.71	11.01	11.5	11.11	-
Total Hardness	mg/L	-	-	1240	2800	621	864	894
Dissolved Hardness	mg/L	-	-	1130	1090	767	790	802
Anions and Nutrients								
Sulphate	mg/L	-	-	507	1230	339	351	348
Chloride	mg/L	-	-	3820	8760	2490	2600	2630
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	7.2-29 [3]	48-191 [3]	0.0069	0.0066	0.0088	0.0073	0.0102
Nitrite (N-NO_2)	mg/L	-	-	<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	0.65	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	1.95	1.6	2.15	2.14	2.44
Dissolved Organic Carbon (DOC)	mg/L	-	-	2.00	1.95	1.96	2.35	2.25
Total Metals								
Aluminum, total (T-Al)	mg/L	-	-	0.153	0.0813	0.135	0.16	0.161
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.00054	0.00092	<0.00040	<0.00040	<0.00040
Barium, total (T-Ba)	mg/L	-	-	0.0083	0.0091	0.0073	0.0088	0.0089
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	0.86	***1.91***	0.47	0.60	0.65
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000028	0.000046	<0.000020	<0.000020	0.000023
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000096	0.000108	0.000088	0.00011	0.000103
Copper, total (T-Cu)	mg/L	0.002	0.003	0.0016	0.00173	0.00086	0.0011	0.00138
Iron, total (T-Fe)	mg/L	-	-	0.122	0.072	0.105	0.142	0.145
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, total (T-Mn)	mg/L	-	-	0.00859	0.00625	0.00613	0.00827	0.00873
Molybdenum, total (T-Mo)	mg/L	-	-	0.00449	0.00504	0.0016	0.00184	0.00175
Nickel, total (T-Ni)	mg/L	0.0083	-	<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
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<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
Uranium, total (T-U)	mg/L	-	-	0.000748	0.0014	0.000498	0.000515	0.000527
Vanadium, total (T-V)	mg/L	0.005	-	0.00072	0.00106	0.00054	0.00076	0.00082
Zinc, total (T-Zn)	mg/L	0.01	0.055	0.0032	0.0044	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals								
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.00002	<0.000020	<0.000020	<0.000020	<0.000020
Copper, dissolved (D-Cu)	mg/L	-	-	0.0006	0.00069	0.0007	0.00063	0.00075
Iron, dissolved (D-Fe)	mg/L	-	-	0.029	0.031	0.036	0.037	0.039
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00695	0.00565	0.00582	0.00612	0.00649
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	1.3	1.27	0.879	0.957	0.953
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	0.00051	<0.00050	<0.00050	<0.00050
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0027	0.0023	0.0011	0.0014	0.0013
Polycyclic Aromatic Hydrocarbons (PAHs)								
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<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
Benzo(a)pyrene	mg/L	0.00001	-	<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
Fluoranthene	mg/L	-	-	<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
1-methylnaphthalene	mg/L	0.001	-	<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
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
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:
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 maximum values at reference stations WQR1 and WQR2 collected November 25 (Table G-6).
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

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

Parameter	Unit	Lowest Applicable Guideline [1]		Station IDZ-E1	Station IDZ-E1	Station IDZ-E1	Station IDZ-E2	Station IDZ-E2	Station IDZ-E2
				0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				IDZ-E1-0.5	IDZ-E1-2m	IDZ-E1-SF	IDZ-E2-0.5	IDZ-E2-2m	IDZ-E2-SF
				VA25D3300-001	VA25D3300-002	VA25D3300-003	VA25D3300-004	VA25D3300-005	VA25D3300-006
		Long Term	Short Term	2025-12-12 14:00	2025-12-12 14:10	2025-12-12 14:20	2025-12-12 15:35	2025-12-12 15:15	2025-12-12 15:00
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	7.31	7.42	7.39	7.52	7.47	7.40
Specific Conductivity - Field	µS/cm	-	-	11722	36724	44403	11328	37063	44375
Temperature - Field	°C	-	-	6.6	8.7	10	6.6	8.7	10
Salinity - Field	ppt	Narrative [2]	-	6.66	23.08	28.52	6.42	23.32	28.5
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	2.23	1.45	0.99	2.31	1.72	0.94
TSS	mg/L	Narrative [2]	Narrative [2]	<2.0	2.1	<2.0	<2.0	2.2	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	11.26	8.13	***4.39***	11.34	8.46	***4.54***
Total Hardness	mg/L	-	-	998	4130	5790	1170	4080	5590
Dissolved Hardness	mg/L	-	-	1340	2590	5760	947	4580	5640
Anions and Nutrients									
Sulphate	mg/L	-	-	412	1820	2370	528	1760	2360
Chloride	mg/L	-	-	3070	13000	16900	3890	12600	17000
Fluoride	mg/L	-	1.5	<1.0	1.3	1.3	<1.0	1.2	***1.9***
Ammonia (N-NH_3)	mg/L	7.8-20 [3]	52-135 [3]	0.0062	<0.0050	<0.0050	0.0073	<0.0050	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate (N-NO_3)	mg/L	3.7	339	<0.50	<0.50	<0.50	<0.50	<0.50	0.52
Total Organic Carbon (TOC)	mg/L	-	-	2.4	1.31	0.76	2.18	1.31	0.71
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.87	1.59	0.64	2.04	0.91	0.9
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	0.142	0.0339	0.0134	0.11	0.0312	0.0121
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	0.00155	0.00048	0.00117	0.00158
Barium, total (T-Ba)	mg/L	-	-	0.0097	0.0094	0.0097	0.0078	0.0093	0.0097
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	-	0.65	***2.61***	***3.38***	0.9	***2.52***	***3.49***
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000021	0.000068	0.000066	<0.000020	0.00006	0.000073
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000124	0.000102	0.000108	0.000095	0.000107	0.00011
Copper, total (T-Cu)	mg/L	0.002	0.003	0.0012	0.00118	<0.00050	***0.00286***	0.00115	<0.00050
Iron, total (T-Fe)	mg/L	-	-	0.127	0.054	0.022	0.112	0.05	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	-	-	0.00864	0.00556	0.00553	0.00781	0.00559	0.00532
Molybdenum, total (T-Mo)	mg/L	-	-	0.0023	0.00737	0.00996	0.00327	0.00741	0.0101
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	-	-	0.000564	0.00193	0.00256	0.00068	0.00188	0.00255
Vanadium, total (T-V)	mg/L	0.005	-	0.00072	0.00127	0.00155	0.00074	0.00126	0.00157
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	0.0039	<0.0030	0.0032	0.0033	<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	0.000035	0.000061	<0.000020	0.000048	0.000075
Copper, dissolved (D-Cu)	mg/L	-	-	0.00083	0.00059	<0.00050	0.001	0.00058	0.00053
Iron, dissolved (D-Fe)	mg/L	-	-	0.035	0.024	<0.010	0.041	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.0068	0.00565	0.00514	0.00726	0.0054	0.00517
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	1.55	3.28	6.94	1.2	5.77	7.1
Vanadium, dissolved (D-V)	mg/L	-	-	0.0006	0.00087	0.00152	0.00056	0.00128	0.0016
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0028	0.0025	<0.0010	0.0024	0.0021	0.001
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 <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 reference station WQR1 collected December 12 (Table G-6).
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

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

Parameter	Unit	Lowest Applicable Guideline [1]		Station IDZ-E1	Station IDZ-E2	Station IDZ-W1	Station IDZ-W2
				0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface
				IDZ-E1-0.5	IDZ-E2-0.5	IDZ-W1-0.5	IDZ-W2-0.5
				VA25D3423-001	VA25D3423-002	VA25D3423-003	VA25D3423-004
		Long Term	Short Term	2025-12-15 9:37	2025-12-15 10:48	2025-12-15 9:40	2025-12-15 11:04
General Parameters							
pH - Field	pH units	7.0 - 8.7	-	7.51	7.61	7.35	7.43
Specific Conductivity - Field	µS/cm	-	-	3880	5481	7016	8016
Temperature - Field	°C	-	-	7.3	7.7	7.2	7.3
Salinity - Field	ppt	Narrative [2]	-	2.05	2.96	3.85	4.44
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	17.07	17.7	12.02	10.79
TSS	mg/L	Narrative [2]	Narrative [2]	19.1	20.3	20	15.7
Dissolved Oxygen - Field	mg/L	>=8	-	12.04	11.66	11.38	11.38
Total Hardness	mg/L	-	-	426	598	713	799
Dissolved Hardness	mg/L	-	-	445	586	710	842
Anions and Nutrients							
Sulphate	mg/L	-	-	161	183	264	315
Chloride	mg/L	-	-	1330	1500	2110	2500
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	7.2-18 [3]	48-121 [3]	0.0062	0.0065	0.0161	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	<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
Total Organic Carbon (TOC)	mg/L	-	-	3.92	4.45	3.42	3.35
Dissolved Organic Carbon (DOC)	mg/L	-	-	3.38	3.56	2.84	2.96
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	0.841	1.19	0.918	0.783
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.0004	0.00059	0.00042	0.00041
Barium, total (T-Ba)	mg/L	-	-	0.0139	0.015	0.014	0.0118
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	0.47	0.44	0.55	0.63
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000028	0.000034	0.000021	0.000027
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	0.00051	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000297	0.000388	0.000366	0.000313
Copper, total (T-Cu)	mg/L	0.002	0.003	***0.00237***	***0.0039***	***0.00226***	0.00187
Iron, total (T-Fe)	mg/L	-	-	0.574	0.861	0.69	0.578
Lead, total (T-Pb)	mg/L	0.002	0.14	0.00033	0.00071	0.00035	0.00033
Manganese, total (T-Mn)	mg/L	-	-	0.0213	0.0334	0.0235	0.0206
Molybdenum, total (T-Mo)	mg/L	-	-	0.00126	0.00173	0.0014	0.00157
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050	0.00061	<0.00050	0.0011
Selenium, total (T-Se)	mg/L	0.002	-	<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
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.000371	0.00066	0.000486	0.000536
Vanadium, total (T-V)	mg/L	0.005	-	0.00148	0.00204	0.0017	0.00157
Zinc, total (T-Zn)	mg/L	0.01	0.055	0.0045	0.0069	0.0045	0.0032
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000023	0.00002	<0.000020	0.00002
Copper, dissolved (D-Cu)	mg/L	-	-	0.00105	0.0016	0.00093	0.00078
Iron, dissolved (D-Fe)	mg/L	-	-	0.035	0.032	0.027	0.026
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00712	0.00788	0.00496	0.00512
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	0.517	0.657	0.81	0.971
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0018	0.0024	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<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
Ethylbenzene	mg/L	0.25	-	<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
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<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 maximum values at reference stations WQR1 and WQR2 collected December 15 (Table G-7).
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

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

Parameter	Unit	Lowest Applicable Guideline [1]		Station IDZ-E1	Station IDZ-E2	Station IDZ-W1	Station IDZ-W2
				0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface
				IDZ-E1-0.5	IDZ-E2-0.5	IDZ-W1-0.5	IDZ-W2-0.5
				VA25D3531-001	VA25D3531-002	VA25D3531-003	VA25D3531-004
		Long Term	Short Term	2025-12-16 14:31	2025-12-16 8:35	2025-12-16 9:50	2025-12-16 10:22
General Parameters							
pH - Field	pH units	7.0 - 8.7	-	7.47	7.46	7.49	7.32
Specific Conductivity - Field	µS/cm	-	-	2969	4533	3006	3247
Temperature - Field	°C	-	-	6.4	6.3	6.4	6.2
Salinity - Field	ppt	Narrative [2]	-	1.55	2.42	1.57	1.7
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	24.24	30.9	20.85	20.69
TSS	mg/L	Narrative [2]	Narrative [2]	24.8	35	12.8	24.6
Dissolved Oxygen - Field	mg/L	>=8	-	12.02	11.91	12.12	12.17
Total Hardness	mg/L	-	-	298	493	226	321
Dissolved Hardness	mg/L	-	-	313	452	243	319
Anions and Nutrients							
Sulphate	mg/L	-	-	119	182	86	124
Chloride	mg/L	-	-	899	1370	682	954
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	12-18 [3]	78-121 [3]	<0.0050	0.0071	<0.0050	0.0052
Nitrite (N-NO_2)	mg/L	-	-	<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
Total Organic Carbon (TOC)	mg/L	-	-	3.18	3.44	3.11	2.96
Dissolved Organic Carbon (DOC)	mg/L	-	-	2.52	3.07	2.28	2.61
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	1.74	1.94	0.81	1.42
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	<0.00040	0.00051	<0.00040	<0.00040
Barium, total (T-Ba)	mg/L	-	-	0.0292	0.0327	0.0156	0.0225
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	0.34	0.36	<0.30	<0.30
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000022	0.000033	<0.000020	0.000021
Chromium, total (T-Cr)	mg/L	-	-	0.0007	0.00072	<0.00050	0.00052
Cobalt, total (T-Co)	mg/L	-	-	0.000628	0.000695	0.000315	0.00051
Copper, total (T-Cu)	mg/L	0.002	0.003	***0.00376***	***0.00404***	0.00183	***0.00299***
Iron, total (T-Fe)	mg/L	-	-	1.00	1.24	0.516	0.921
Lead, total (T-Pb)	mg/L	0.002	0.14	0.00032	0.00046	0.0002	0.00029
Manganese, total (T-Mn)	mg/L	-	-	0.035	0.0438	0.0188	0.0294
Molybdenum, total (T-Mo)	mg/L	-	-	0.00088	0.00112	0.00084	0.00078
Nickel, total (T-Ni)	mg/L	0.0083	-	0.00067	0.00071	<0.00050	0.00055
Selenium, total (T-Se)	mg/L	0.002	-	<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
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.00027	0.000327	0.000314	0.000264
Vanadium, total (T-V)	mg/L	0.005	-	0.00302	0.00341	0.00136	0.00237
Zinc, total (T-Zn)	mg/L	0.01	0.055	0.005	0.0041	<0.0030	0.0031
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	<0.000020	<0.000020	0.00002	<0.000020
Copper, dissolved (D-Cu)	mg/L	-	-	0.00101	0.00103	0.00067	0.00074
Iron, dissolved (D-Fe)	mg/L	-	-	0.032	0.045	0.022	0.031
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.0106	0.016	0.00737	0.0103
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	0.361	0.536	0.275	0.366
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	0.00062	<0.00050	<0.00050
Zinc, dissolved (D-Zn)	mg/L	-	-	<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
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<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
Ethylbenzene	mg/L	0.25	-	<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
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<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 maximum values at reference stations WQR1 and WQR2 collected December 16 (Table G-7).
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

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

Parameter	Unit	Lowest Applicable Guideline [1]		Station IDZ-E1	Station IDZ-E2	Station IDZ-W1	Station IDZ-W2
				0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface
				IDZ-E1-0.5	IDZ-E2-0.5	IDZ-W1-0.5	IDZ-W2-0.5
				VA25D3671-001	VA25D3671-002	VA25D3671-003	VA25D3671-004
		Long Term	Short Term	2025-12-17 12:58	2025-12-17 16:04	2025-12-17 15:37	2025-12-17 15:22
General Parameters							
pH - Field	pH units	7.0 - 8.7	-	7.52	7.67	8.05	7.60
Specific Conductivity - Field	µS/cm	-	-	6860	3523	1366	2578
Temperature - Field	°C	-	-	6.1	5.8	6.1	6.0
Salinity - Field	ppt	Narrative [2]	-	3.75	1.85	0.68	1.33
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	17.54	17.57	8.49	11.39
TSS	mg/L	Narrative [2]	Narrative [2]	18.3	20.5	8.2	2.9
Dissolved Oxygen - Field	mg/L	>=8	-	11.96	11.86	12.21	12.15
Total Hardness	mg/L	-	-	648	300	175	111
Dissolved Hardness	mg/L	-	-	657	325	182	166
Anions and Nutrients							
Sulphate	mg/L	-	-	265	112	46	<30
Chloride	mg/L	-	-	2080	966	443	249
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	2.9-12 [3]	19-78 [3]	0.0075	0.008	<0.0050	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	<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
Total Organic Carbon (TOC)	mg/L	-	-	3.11	3.16	2.73	2.23
Dissolved Organic Carbon (DOC)	mg/L	-	-	2.91	2.56	2.44	2.26
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	0.931	0.973	0.557	0.321
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	<0.00040	<0.00040	<0.00040	<0.00040
Barium, total (T-Ba)	mg/L	-	-	0.0227	0.0194	0.0118	0.0078
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	0.54	<0.30	<0.30	<0.30
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000042	0.000026	<0.000020	<0.000020
Chromium, total (T-Cr)	mg/L	-	-	0.00051	0.00077	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000414	0.00045	0.000276	0.000216
Copper, total (T-Cu)	mg/L	0.002	0.003	***0.00288***	***0.00333***	0.00175	0.00126
Iron, total (T-Fe)	mg/L	-	-	0.692	0.708	0.375	0.175
Lead, total (T-Pb)	mg/L	0.002	0.14	0.00024	0.00022	0.00015	<0.00010
Manganese, total (T-Mn)	mg/L	-	-	0.027	0.0268	0.0144	0.00712
Molybdenum, total (T-Mo)	mg/L	-	-	0.00129	0.00076	0.00057	0.00042
Nickel, total (T-Ni)	mg/L	0.0083	-	0.00056	0.00063	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<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
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.000394	0.000224	0.000203	0.000195
Vanadium, total (T-V)	mg/L	0.005	-	0.00229	0.00272	0.0011	0.00061
Zinc, total (T-Zn)	mg/L	0.01	0.055	0.0076	0.0037	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000028	<0.000020	<0.000020	<0.000020
Copper, dissolved (D-Cu)	mg/L	-	-	0.00114	0.00116	0.00106	0.00068
Iron, dissolved (D-Fe)	mg/L	-	-	0.034	0.036	0.023	0.018
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.0102	0.00914	0.0052	0.0043
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	0.676	0.334	0.194	0.182
Vanadium, dissolved (D-V)	mg/L	-	-	0.00054	<0.00050	<0.00050	<0.00050
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0035	0.0016	0.001	0.0015
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<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
Ethylbenzene	mg/L	0.25	-	<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
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<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 maximum values at reference stations WQR1 and WQR2 collected December 17 (Table G-7).
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26E and 26F in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.

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

Parameter	Unit	Lowest Applicable Guideline [1]		Reference Station WQR1	Reference Station WQR2	Reference Station WQR1	Reference Station WQR1	Reference Station WQR1
				0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				WQR1-0.5	WQR2-0.5	WQR1-0.5	WQR1-2m	WQR1-SF
				VA25D1584-005	VA25D1584-006	VA25D3300-007	VA25D3300-008	VA25D3300-009
		Long Term	Short Term	2025-11-25 16:02	2025-11-25 15:12	2025-12-12 16:35	2025-12-12 16:25	2025-12-12 16:15
General Parameters								
pH - Field	pH units	7.0 - 8.7	-	7.68	7.75	7.44	7.44	7.37
Specific Conductivity - Field	µS/cm	-	-	16337	11681	6739	36172	44405
Temperature - Field	°C	-	-	7.5	6.8	6.1	8.4	10
Salinity - Field	ppt	Narrative [2]	-	9.54	6.64	3.68	22.69	28.52
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	1.59	2.46	2.55	0.96	0.92
TSS	mg/L	Narrative [2]	Narrative [2]	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	9.25	9.96	11.78	8.8	***4.6***
Total Hardness	mg/L	-	-	1000	969	711	1250	5370
Dissolved Hardness	mg/L	-	-	1130	910	702	4170	5310
Anions and Nutrients								
Sulphate	mg/L	-	-	447	431	312	341	2280
Chloride	mg/L	-	-	3310	3160	2350	2550	16400
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	***1.8***
Ammonia (N-NH_3)	mg/L	7.2-14 [3]	48-94 [3]	0.0079	0.0075	0.0079	0.0067	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	<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	0.61
Total Organic Carbon (TOC)	mg/L	-	-	2.15	2.3	2.37	2.2	0.79
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.98	2.27	2.13	1.17	0.61
Total Metals								
Aluminum, total (T-Al)	mg/L	-	-	0.152	0.16	0.132	0.143	0.0727
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	0.0125	0.0004	<0.00040	<0.00040	0.00043	0.00151
Barium, total (T-Ba)	mg/L	-	-	0.0094	0.0096	0.008	0.0086	0.0098
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	0.71	0.69	0.6	0.85	***3.22***
Cadmium, total (T-Cd)	mg/L	0.00012	-	<0.000020	<0.000020	<0.000020	0.000024	0.00007
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000113	0.00011	0.000102	0.00011	0.000104
Copper, total (T-Cu)	mg/L	0.002	0.003	0.001	0.00107	0.00108	0.00098	<0.00050
Iron, total (T-Fe)	mg/L	-	-	0.155	0.159	0.152	0.142	0.018
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, total (T-Mn)	mg/L	-	-	0.00974	0.00946	0.00913	0.00846	0.0046
Molybdenum, total (T-Mo)	mg/L	-	-	0.00206	0.00186	0.00161	0.00228	0.00939
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050	<0.00050	<0.00050	<0.00050	0.00317
Selenium, total (T-Se)	mg/L	0.002	-	<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
Thallium, total (T-Tl)	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.000559	0.00052	0.000373	0.000586	0.00245
Vanadium, total (T-V)	mg/L	0.005	-	0.00083	0.00079	0.00071	0.0008	0.00154
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	<0.0030	<0.0030	***0.348***
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals								
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000027	<0.000020	<0.000020	0.000064	0.000078
Copper, dissolved (D-Cu)	mg/L	-	-	0.00066	0.0007	0.00067	0.00066	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	0.046	0.047	0.057	0.016	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00783	0.00803	0.00883	0.00653	0.00485
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	0.0005	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	1.34	1.1	0.937	5.22	6.36
Vanadium, dissolved (D-V)	mg/L	-	-	0.00062	0.00055	0.00056	0.00127	0.00149
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0011	0.0011	0.0012	0.0018	0.0011
Polycyclic Aromatic Hydrocarbons (PAHs)								
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<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
Benzo(a)pyrene	mg/L	0.00001	-	<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
Fluoranthene	mg/L	-	-	<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
1-methylnaphthalene	mg/L	0.001	-	<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
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<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
Ethylbenzene	mg/L	0.25	-	-	-	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	-	-	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	-	-	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	-	-	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	-	-	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	<0.00050	<0.00050	<0.00050

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

Table G-7:
Summary of Marine Water Quality Results Received at the Time of Reporting

Parameter	Unit	Lowest Applicable Guideline [1]		Reference Station WQR1	Reference Station WQR2	Reference Station WQR1	Reference Station WQR2	Reference Station WQR1	Reference Station WQR2
				0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface	0.5 m Below Surface
				WQR1-0.5	WQR2-0.5	WQR1-0.5	WQR2-0.5	WQR1-0.5	WQR2-0.5
				VA25D3423-005	VA25D3423-006	VA25D3531-005	VA25D3531-006	VA25D3671-005	VA25D3671-006
		Long Term	Short Term	2025-12-15 9:01	2025-12-15 10:22	2025-12-16 9:21	2025-12-16 8:59	2025-12-17 12:36	2025-12-17 15:06
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	7.45	7.37	7.34	7.64	7.69	7.63
Specific Conductivity - Field	µS/cm	-	-	4882	6718	2970	2174	3856	7000
Temperature - Field	°C	-	-	6.4	6.9	6.1	5.6	5.8	6.2
Salinity - Field	ppt	Narrative [2]	-	2.61	3.68	1.54	1.11	2.03	3.83
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	27.93	17.53	36.71	42.49	17.85	17.48
TSS	mg/L	Narrative [2]	Narrative [2]	52.5	24.4	42.7	47.4	21.7	15.7
Dissolved Oxygen - Field	mg/L	>=8	-	11.79	11.51	12.12	12.3	13.5	11.78
Total Hardness	mg/L	-	-	375	740	289	236	366	884
Dissolved Hardness	mg/L	-	-	425	794	283	233	380	794
Anions and Nutrients									
Sulphate	mg/L	-	-	179	277	102	85	131	351
Chloride	mg/L	-	-	1500	2240	789	669	1120	2720
Fluoride	mg/L	-	1.5	<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]	0.0088	0.0061	0.007	0.0054	0.0093	0.0068
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	-	-	4.06	3.38	3.9	3.63	3.27	2.97
Dissolved Organic Carbon (DOC)	mg/L	-	-	3.19	2.79	2.96	3.23	2.55	2.54
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	1.66	1.04	2.32	2.64	1.02	0.899
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	<0.00040	0.00045	0.00041	<0.00040	0.00047
Barium, total (T-Ba)	mg/L	-	-	0.0206	0.0154	0.0355	0.0405	0.0191	0.0205
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	-	<0.30	0.57	<0.30	<0.30	<0.30	0.63
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000033	<0.000020	0.00003	0.000024	<0.000020	0.000036
Chromium, total (T-Cr)	mg/L	-	-	0.00075	<0.00050	0.00087	0.00123	<0.00050	0.00051
Cobalt, total (T-Co)	mg/L	-	-	0.000537	0.000368	0.000806	0.00101	0.000406	0.000406
Copper, total (T-Cu)	mg/L	0.002	0.003	***0.00388***	***0.00236***	***0.00443***	***0.00647***	***0.00257***	***0.00251***
Iron, total (T-Fe)	mg/L	-	-	1.1	0.736	1.47	1.77	0.691	0.59
Lead, total (T-Pb)	mg/L	0.002	0.14	0.00053	0.00032	0.00055	0.00043	0.00023	0.00022
Manganese, total (T-Mn)	mg/L	-	-	0.037	0.025	0.0488	0.0535	0.0254	0.025
Molybdenum, total (T-Mo)	mg/L	-	-	0.0009	0.00157	0.00076	0.00063	0.00078	0.00151
Nickel, total (T-Ni)	mg/L	0.0083	-	0.00062	0.00056	0.00093	0.00113	0.00063	0.00075
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	-	-	0.000261	0.000489	0.000249	0.00022	0.000256	0.00052
Vanadium, total (T-V)	mg/L	0.005	-	0.00261	0.00207	0.00388	0.00487	0.00219	0.00209
Zinc, total (T-Zn)	mg/L	0.01	0.055	0.0068	0.0035	0.0042	0.0045	0.0031	0.0032
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals									
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000021	<0.000020	<0.000020	<0.000020	<0.000020	0.000022
Copper, dissolved (D-Cu)	mg/L	-	-	0.00088	0.00076	0.00095	0.00114	0.00084	0.00091
Iron, dissolved (D-Fe)	mg/L	-	-	0.04	0.035	0.045	0.065	0.038	0.04
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00763	0.00735	0.0157	0.0138	0.00953	0.0111
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	0.487	0.916	0.335	0.283	0.411	0.823
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	<0.00050	0.00065	0.00067	<0.00050	0.00057
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.001
Polycyclic Aromatic Hydrocarbons (PAHs)									
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)									
Benzene	mg/L	0.11	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.25	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.215	-	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

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

Table G-8:
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]	0.005-0.019 [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	VA25D1584-001	2025-11-25	0.000024	<0.0050
IDZ-E1	0.5 m Below Surface	IDZ-E1-0.5	VA25D3300-001	2025-12-12	0.000025	<0.0050
IDZ-E1	0.5 m Below Surface	IDZ-E1-0.5	VA25D3423-001	2025-12-15	0.000035	0.0052
IDZ-E1	2 m Below Surface	IDZ-E1-2m	VA25D3300-002	2025-12-12	<0.000100	<0.0050
IDZ-E1	2 m Above Seafloor	IDZ-E1-SF	VA25D3300-003	2025-12-12	<0.000100	<0.0050
Station IDZ-E2						
IDZ-E2	0.5 m Below Surface	IDZ-E2-0.5	VA25D1584-002	2025-11-25	<0.000020	<0.0050
IDZ-E2	0.5 m Below Surface	IDZ-E2-0.5	VA25D3300-004	2025-12-12	0.000029	<0.0050
IDZ-E2	0.5 m Below Surface	IDZ-E2-0.5	VA25D3423-002	2025-12-15	0.000057	0.0052
IDZ-E2	2 m Below Surface	IDZ-E2-2m	VA25D3300-005	2025-12-12	0.000021	<0.0050
IDZ-E2	2 m Above Seafloor	IDZ-E2-SF	VA25D3300-006	2025-12-12	0.000027	<0.0050
Station IDZ-W1						
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5	VA25D1584-003	2025-11-25	0.000026	<0.0050
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5	VA25D3423-003	2025-12-15	0.000033	<0.0050
Station IDZ-W2						
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA25D1584-004	2025-11-25	0.000021	<0.0050
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5-DUP	VA25D1584-007	2025-11-25	0.000023	<0.0050
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA25D3423-004	2025-12-15	0.000036	<0.0050
Reference Station WQR1						
WQR1	0.5 m Below Surface	WQR1-0.5	VA25D1584-005	2025-11-25	0.000023	<0.0050
WQR1	0.5 m Below Surface	WQR1-0.5	VA25D3300-007	2025-12-12	0.000029	<0.0050
WQR1	0.5 m Below Surface	WQR1-0.5	VA25D3423-005	2025-12-15	0.000037	<0.0050
WQR1	2 m Below Surface	WQR1-2m	VA25D3300-008	2025-12-12	0.000027	<0.0050
WQR1	2 m Above Seafloor	WQR1-SF	VA25D3300-009	2025-12-12	<0.000100	<0.0050
Reference Station WQR2						
WQR2	0.5 m Below Surface	WQR2-0.5	VA25D1584-006	2025-11-25	0.000024	<0.0050
WQR2	0.5 m Below Surface	WQR2-0.5	VA25D3423-006	2025-12-15	0.000033	<0.0050

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

Table G-9:
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-W1						
IDZ-W1	0.5 m Below Surface	IDZ-W1-0.5	VA25D0142-001	2025-11-11	0.0218	1.02
IDZ-W1	2 m Below Surface	IDZ-W1-2m	VA25D0142-002	2025-11-11	0.0593	2.22
IDZ-W1	2 m Above Seafloor	IDZ-W1-SF	VA25D0142-003	2025-11-11	0	2.17
Station IDZ-W2						
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA25D0142-004	2025-11-11	0	3.05
IDZ-W2	2 m Below Surface	IDZ-W2-2m	VA25D0142-005	2025-11-11	0.0232	2.84
IDZ-W2	2 m Above Seafloor	IDZ-W2-SF	VA25D0142-006	2025-11-11	0	2.31
Reference Station WQR2						
WQR2	0.5 m Below Surface	WQR2-0.5	VA25D0142-007	2025-11-11	0.230	2.75
WQR2	2 m Below Surface	WQR2-2m	VA25D0142-008	2025-11-11	0	2.35
WQR2	2 m Above Seafloor	WQR2-SF	VA25D0142-009	2025-11-11	0	2.75

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.