TECHNICAL MEMORANDUM

To:	**Ian McAllister, Ashleigh Crompton, Mike Champion, and Ryan Schucroft (Woodfibre LNG)**	**Date: 23 October 2026**
From:	**Holly Pelletier and Cheng Kuang (Lorax)**	**Project #: A825-1**
Subject:	**PE-111578 Weekly Discharge and Compliance Report #136 for October 11 – 17**	

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 #136) was prepared by Lorax and summarizes WDA monitoring conducted for the period of October 11 – 17. 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 #136 has been prepared to meet the requirements specified in Condition 4.2 of PE-111578:

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

Site layout and water management figures and site images are included in Appendix A. Monitoring results are tabulated in Appendix B through Appendix F for contact water, treated water and non-contact water diversion ditch outlet samples.

1. Current Conditions

1.1 Water Management Infrastructure

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

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

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

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

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

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

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

1.2 Weather and Water Management

Variable weather conditions were observed during the October 11 – 17 monitoring period, with precipitation recorded on October 13 (7.4 mm), October 14 (6.2 mm), October 16 (1.2 mm) and October 17 (10.8 mm). The daily weather conditions are summarized in Table 1.

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

Date	Precipitation (mm)	Max. Temp (°C)	Min. Temp (°C)	Weather Description
2026-10-11	0	18.3	6.7	Mix of Sun and Cloud
2026-10-12	0	15.2	5.2	Mix of Sun and Cloud
2026-10-13	7.4	13.6	9.5	Rain
2026-10-14	6.2	16.6	10.0	Rain
2026-10-15	0	18.8	8.7	Mix of Sun and Cloud
2026-10-16	1.2	18.8	8.7	Mix of Sun and Cloud
2026-10-17	10.8	17.6	7.6	Rain

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

From October 11 – 17, the East Sedimentation Pond received water from the MOF Sump and recirculated effluent from the East WWTP (Appendix A, Figure 2). No water from the East Sedimentation Pond was transferred to the West Sedimentation Pond from October 11 – 17 (Appendix B, Table B-7).

Routine operation of the East WWTP continued during the monitoring period (October 11 – 17). Concrete contact water and water from the Hydrovac Pit and Wash Bay 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 (October 11 – 17) except on October 11 as the East WWTP was not operated. Daily water volumes processed by the East WWTP are provided in Appendix B (Table B-7).

From October 11 – 17, the West Sedimentation Pond received water from the 4100 Sump, the 120T Bridge, and recirculated effluent from the 2700GPM TSS settling system (Appendix A, Figure 3). West Sedimentation Pond effluent was clarified through the 2700GPM system on October 11 and October 14 through October 16 and either recirculated back to the pond or discharged to Howe Sound. A total of 283 m^3 of West Sedimentation Pond clarified effluent was discharged to Howe Sound from station SP-W-OUT on October 16. A total of 46 m^3 of West Sedimentation Pond effluent was reclaimed for construction use during the monitoring period (October 11 – 17). Daily clarified effluent volumes from the 2700GPM TSS settling system recirculated to the West Sedimentation Pond, discharged to Howe Sound or reclaimed for construction use are provided in Appendix C (Table C-6).

2. Monitoring Summary

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

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

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

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

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

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

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

Water quality was monitored at stations SW-01, SW-02, SW-03, SW-04, SW-07, IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, WQR1, WQR2, SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN, WWTP-E-OUT, SP-W-IN, 2700GPM-IN, W2700T1-OUT and SP-W-OUT during the monitoring period (October 11 – 17). Sampling dates and parameters tested are summarized in Table 2.

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.

Overall, the PE-111578 monitoring requirements that were applicable during the monitoring period (October 11 – 17) were met, with the following exceptions:

- Daily field parameters were not collected at the west catchment effluent compliance station (SP-W-OUT) on October 11 – 15 nor on October 17 as there was no discharge to Howe Sound from the West Sedimentation Pond on those days.
- Daily field parameters and a weekly analytical sample were not collected at the east catchment effluent compliance station (SP-E-OUT) as there was no discharge to Howe Sound from the East Sedimentation Pond during the monitoring period (October 11 – 17).

- Daily field parameters were not collected at the influent and effluent stations of the East WWTP (WWTP-E-IN and WWTP-E-OUT, respectively) on October 11 as the East WWTP was not operated that day nor on October 16 as the East WWTP 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 (October 11 – 17).

Table 2:
Summary of PE-111578 Monitoring Samples Collected October 11 – 17.

Sampling Date	Sample	Description	Parameters Tested	Monitoring Frequency
October 11, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	2700GPM-IN	2700GPM TSS settling system influent monitored at cell 4 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	P
	W2700T1-OUT	2700GPM TSS settling system at the outlet of Train 1		
	SW-02	Lower Reach of Mill Creek (upstream of the third bridge)	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	SW-03	Mill Creek Estuary		
	SW-07	Upstream Mill Creek (at the diversion inlet)		
October 12, 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
	SW-01	Lower Reach of Woodfibre Creek (near the mouth)	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)		
October 13, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
	IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
	IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
	IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
	IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
	WQR2-0.5	Reference site 2; 0.5 m below surface		
	WQR2-2m	Reference site 2; 2 m below surface		
	WQR2-SF	Reference site 2; 2 m above the seafloor		
October 14, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	WWTP-E-IN	East WWTP at the influent meter box	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	D, M_2, W
	WWTP-E-OUT	East WWTP at the effluent meter box		
	COMB-WWTP-E-IN	Combined East WWTP influent from the concrete contact water treatment stream and the East Sedimentation Pond, collected from the heated frac tank	Field, Physical & General Parameters, Total, Dissolved and Speciated Metals, and Methylmercury.	P
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system influent monitored at cell 4 of the pond	Field Parameters.	P
October 15, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	2700GPM-IN	2700GPM TSS settling system influent monitored at cell 4 of the pond	Field Parameters.	P
October 16, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	SP-W-OUT	West Sedimentation Pond clarified effluent discharged to Howe Sound at the SP-W-OUT outfall structure	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 influent monitored at cell 4 of the pond	Field Parameters.	P
	IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	IDZ-W1-2m	Howe Sound IDZ station W1; 2 m below surface		
	IDZ-W1-SF	Howe Sound IDZ station W1; 2 m above the seafloor		
	IDZ-W2-0.5	Howe Sound IDZ station W2; 0.5 m below surface		
	IDZ-W2-2m	Howe Sound IDZ station W2; 2 m below surface		
	IDZ-W2-SF	Howe Sound IDZ station W2; 2 m above the seafloor		
	WQR2-0.5	Reference site 2; 0.5 m below surface		
	WQR2-2m	Reference site 2; 2 m below surface		
	WQR2-SF	Reference site 2; 2 m above the seafloor		
October 17, 2026	SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	WWTP-E-IN	East WWTP at the influent meter box	Field Parameters.	D
	WWTP-E-OUT	East WWTP at the effluent meter box		
	SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	Field Parameters.	D
	IDZ-E1-0.5	Howe Sound IDZ station E1; 0.5 m below surface	Field, Physical & General Parameters, VH & BTEX, EPHs & PAHs, Total, Dissolved and Speciated Metals, VOCs, Methylmercury, Dioxins & Furans.	M, M_5
	IDZ-E1-2m	Howe Sound IDZ station E1; 2 m below surface		
	IDZ-E1-SF	Howe Sound IDZ station E1; 2 m above the seafloor		
	IDZ-E2-0.5	Howe Sound IDZ station E2; 0.5 m below surface		
	IDZ-E2-2m	Howe Sound IDZ station E2; 2 m below surface		
	IDZ-E2-SF	Howe Sound IDZ station E2; 2 m above the seafloor		
	WQR1-0.5	Reference site 1; 0.5 m below surface		
	WQR1-2m	Reference site 1; 2 m below surface		
	WQR1-SF	Reference site 1; 2 m above the seafloor		

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 #136) are listed below in Table 3, with additional field measurements presented in Table B-6 (Appendix B) and Table C-5 (Appendix C). Testing for methylmercury, dioxins, furans and toxicity may require four weeks or longer to complete. Analytical results not reported will be included in future weekly reports. Reporting of results is pending for the following samples and parameters:

- IDZ-E1 and IDZ-E2 collected September 21 (field measurements, all analytical parameters and chronic toxicity);
- IDZ-W1, IDZ-W2, and WQR2 collected September 21 (total mercury, methylmercury and chronic toxicity);
- WQR1 collected September 22 (dioxins and furans);
- SP-W-OUT collected September 27 (dioxins and furans);
- OUT-01 and OUT-02 collected September 29 (total mercury and methylmercury);
- SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN and WWTP-E-OUT collected September 30 (total mercury and methylmercury);
- SW-02, SW-03 and SW-07 collected October 1 (field measurements and all analytical parameters);
- SW-01 and SW-04 collected October 2 (field measurements and all analytical parameters);
- IDZ-W1, IDZ-W2 and WQR2 collected October 3 (field measurements and all analytical parameters);
- IDZ-E1, IDZ-E2, and WQR1 collected October 4 (field measurements and all analytical parameters);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected October 6 (total mercury, methylmercury, dioxins and furans);
- SW-02, SW-03 and SW-07 collected October 7 (total mercury, methylmercury, dioxins and furans);
- SW-01 and SW-04 collected October 8 (total mercury, methylmercury, dioxins and furans);
- WQR2 collected October 9 (field measurements and all analytical parameters);
- IDZ-E1, IDZ-E2, IDZ-W1, IDZ-W2, and WQR1 collected October 10 (field measurements and all analytical parameters);

- WQR2 collected October 10 (field measurements);
- SP-W-IN, 2700GPM-IN and W2700T1-OUT collected October 11 (total mercury and methylmercury);
- SW-02, SW-03 and SW-07 collected October 11 (field measurements and all analytical parameters);
- SW-01 and SW-04 collected October 12 (field measurements and all analytical parameters);
- IDZ-W1, IDZ-W2 and WQR2 collected October 13 (field measurements and all analytical parameters);
- SP-E-IN, WWTP-E-IN and WWTP-E-OUT collected October 14 (all analytical parameters);
- COMB-WWTP-E-IN collected October 14 (field measurements and all analytical parameters);
- SP-W-OUT collected October 16 (total mercury, methylmercury, dioxins and furans);
- IDZ-W1, IDZ-W2 and WQR2 collected October 16 (field measurements and all analytical parameters);
- IDZ-E1, IDZ-E2, and WQR1 collected October 17 (field measurements and all analytical parameters).

Table 3:
Summary of Analytical Results and Associated Field Measurements Included in Weekly Discharge and Compliance Report #136.

Sample	Description	Sampling Date	Parameters Reported
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	September 10, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, and Methylmercury.
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		
COMB-WWTP-E-IN	Combined East WWTP influent from the concrete contact water treatment stream and the East Sedimentation Pond, collected from the heated frac tank		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	September 17, 2026	Total Mercury and Methylmercury.
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		
COMB-WWTP-E-IN	Combined East WWTP influent from the concrete contact water treatment stream and the East Sedimentation Pond, collected from the heated frac tank		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	September 20, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, PAHs, VOCs, Methylmercury, Dioxins and Furans.
WWTP-E-IN	East WWTP at the influent meter box		
WWTP-E-OUT	East WWTP at the effluent meter box		
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond		Total Mercury, Methylmercury, Dioxins and Furans.
2700GPM-IN	2700GPM TSS settling system at the influent meter box		
W2700T2-OUT	2700GPM TSS settling system at the outlet of Train 2		
IDZ-W1-0.5	Howe Sound IDZ station W1; 0.5 m below surface	September 21, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, PAHs, VOCs, 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		
WQR1-0.5	Reference site 1; 0.5 m below surface	September 22, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, PAHs, VOCs, and Methylmercury.
WQR1-2m	Reference site 1; 2 m below surface		
WQR1-SF	Reference site 1; 2 m above the seafloor		
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	September 27, 2026	Total Mercury and Methylmercury.
2700GPM-IN	2700GPM TSS settling system at the influent meter box		
W2700T1-OUT	2700GPM TSS settling system at the outlet of Train 1		
W2700T2-OUT	2700GPM TSS settling system at the outlet of Train 2		
SP-E-IN	East Sedimentation Pond influent monitored at cell 1 of the pond	October 6, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, PAHs, and VOCs.
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)	October 7, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, PAHs, and VOCs.
SW-03	Mill Creek Estuary		
SW-07	Upstream Mill Creek (at the diversion inlet)		
SW-01	Lower Reach of Woodfibre Creek (near the mouth)	October 8, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, PAHs, and VOCs.
SW-04	Lower Reach of East Creek (near the outlet to the outfall culvert)		
SP-W-IN	West Sedimentation Pond influent monitored at cell 1 of the pond	October 11, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, and Hexavalent Chromium.
2700GPM-IN	2700GPM TSS settling system at the influent meter box		
W2700T1-OUT	2700GPM TSS settling system at the outlet of Train 1		
SP-W-OUT	West Sedimentation Pond clarified effluent discharged to Howe Sound at the SP-W-OUT outfall structure	October 16, 2026	Field, Physical and General Parameters, Total and Dissolved Metals, Hexavalent Chromium, PAHs, and VOCs.

3.2 Screening and Reporting Overview

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

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

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

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

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

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

A summary of reported and pending results is provided in Section 3.1. Results for effluents from East WWTP, 2700GPM TSS settling system, and East and West Sedimentation Ponds are discussed in Section 3.3 and Section 3.4, respectively. The water quality monitored at non-contact water diversion ditch outlets and in the receiving environment is described in Section 3.5 to Section 3.7. Sediment samples are collected annually at stations IDZ-E-SED and IDZ-W-SED and are discussed in Section 3.7 when they are reported. Sediment samples were last collected in May 2026, and the analytical results were presented in Report #122.

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 and there was no discharge from the pond to Howe Sound from October 11 – 17 (Section 1.2). Hence, water quality samples and field measurements were not collected at the SP-E-OUT discharge location during the monitoring period.

Results are presented for field measurements of influent quality for the East Sedimentation Pond and East WWTP influent and effluent quality collected October 11 – 17 (stations SP-E-IN, WWTP-E-IN and WWTP-E-OUT) as well as analytical results for samples collected September 10 (stations SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN and WWTP-E-OUT; as discussed in Report #131), September 17 (total mercury and methylmercury results for stations SP-E-IN, WWTP-E-IN, COMB-WWTP-E-IN and WWTP-E-OUT; as discussed in Report #132), September 20 (stations SP-E-IN, WWTP-E-IN and WWTP-E-OUT; as discussed in Report #133),

and October 6 (stations SP-E-IN, WWTP-E-IN and WWTP-E-OUT; as discussed in Report #135) (Appendix B, Table B-1 through Table B-6).

Field measurements for the East WWTP effluent samples (WWTP-E-OUT) met MDOs except for dissolved oxygen on October 12 and 13 (Appendix B, Table B-6). Analytical results met MDOs except for total selenium in the WWTP-E-OUT sample collected September 10 as well as total mercury and methylmercury in samples collected at WWTP-E-OUT on September 10, 17 and 20 (Appendix B, Table B-1 and Table B-4). Metal parameters above MDOs are tracked in Table 4.

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 283 m^3 of clarified sedimentation pond effluent from the 2700GPM TSS Settling System was discharged to Howe Sound from SP-W-OUT on October 16.

Results are presented for field measurements of influent and effluent quality for the West Sedimentation Pond and the 2700GPM TSS settling system collected October 11 – 17 (stations SP-W-IN, 2700GPM-IN and SP-W-OUT), as well as analytical results for samples collected September 20 (total mercury, methylmercury, dioxins and furans results for stations SP-W-IN, 2700GPM-IN and W2700T2-OUT), September 27 (total mercury and methylmercury for stations SP-W-IN, 2700GPM-IN, W2700T1-OUT and W2700T2-OUT), October 11 (stations SP-W-IN, 2700GPM-IN and W2700T1-OUT), and October 16 (station SP-W-OUT) (Appendix C, Table C-1 through Table C-5).

Field measurements and the analytical sample collected at SP-W-OUT on October 16 met PE-111578 discharge limits and WQGs (Appendix C, Table C-2 and Table C-5).

3.5 Non-Contact Water Diversion Ditch Outlets

Analytical results were not available at the time of reporting for non-contact water diversion ditch outlets.

3.6 Freshwater Receiving Environment

Analytical results were available at the time of reporting for freshwater and estuarine water samples collected at the Mill Creek estuary, mid-stream and background stations (SW-03, SW-02 and SW-07, respectively) on October 7 and near the mouths of Woodfibre Creek and East Creek (stations SW-01 and SW-04, respectively) on October 8 (as discussed in Report #135). The

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

Parameter concentrations met WQGs except fluoride, total aluminum, total boron and dissolved copper (Appendix D, Table D-1 and Appendix E, Table E-1). Fluoride and total aluminum were above the long-term WQGs in the sample collected from East Creek. Total boron was above the long-term WQG in the sample collected at the Mill Creek estuary. Dissolved copper was above the long-term WQG in the sample collected from the Mill Creek mid-stream station.

The fluoride concentration measured in East Creek (SW-04) on October 8 (0.358 mg/L) was above the maximum value observed in the pre-construction baseline monitoring program (<0.1 mg/L) and above the range of values observed at the background station for East Creek (<0.020 to 0.028 mg/L). Potential sources of fluoride to East Creek have been previously determined to originate from upstream of the LNG facility construction area and not from the Woodfibre LNG facility construction project (as discussed in Report #115).

The total aluminum concentration measured in East Creek (SW-04) on October 8 (0.0521 mg/L) was within the range observed in the pre-construction baseline monitoring program (0.0158 to 0.264 mg/L) and within ranges observed at the background stations for East Creek (0.0299 to 0.411 mg/L).

The total boron concentration measured in the Mill Creek estuary (SW-03) on October 7 (1.44 mg/L) was above the range of values observed in the pre-construction baseline monitoring program for the Mill Creek estuary (0.0021 to 0.772 mg/L), but was within the range of values observed in shallow marine water samples (0.5 m below the water surface) within the Project area (<0.30 to 3.69 mg/L). The salinity (15.3 ppt) measured in the October 7 Mill Creek estuary sample suggests a strong marine water signature (0.10 to 28.77 ppt) at the time of sampling. As described in Section 3.7, elevated concentrations of total boron are indicative of influence from the deeper saline waters in the northern basin of Howe Sound and are a natural condition of marine water at the WDA monitoring stations.

The dissolved copper concentration measured at the Mill Creek mid-stream station (SW-02) on October 7 (0.00033 mg/L) was above the range of values observed in the pre-construction baseline monitoring program (0.00012 to 0.00031 mg/L) but was within the range observed at the background station for Mill Creek (0.00016 to 0.00054 mg/L).

3.7 Marine Water Receiving Environment

Analytical results and field measurements were available at the time of reporting for marine water samples collected at 0.5 and 2 m below the water surface and 2 m above the seafloor on September 21 (stations IDZ-W1, IDZ-W2 and WQR2) and September 22 (station WQR1), as

discussed in Report #133. The analytical results, field parameters, and WQGs are summarized in Appendix F.

Parameter concentrations met WQGs except dissolved oxygen and total boron in some samples (Appendix F; Table F-1 and Table F-2). Dissolved oxygen ranged from 4.34 to 7.98 mg/L and was below the lower limit of the WQG (8 mg/L) in all samples collected at 2 m above the seafloor on September 21 and 22 as well as samples collected at 2 m below the water surface at IDZ-W1 and IDZ-W2 on September 21. Total boron was above the long-term WQG (1.2 mg/L) and ranged from 1.32 to 2.84 mg/L in all marine water samples collected at 2 m above the seafloor, at 2 m below the water surface at IDZ-W1, IDZ-W2 and WQR1, and at 0.5 m below the water surface at IDZ-W2.

Low concentrations of dissolved oxygen and elevated concentrations of total boron are indicative of influence from the deeper saline waters in the northern basin of Howe Sound and are a natural condition of marine water at the WDA monitoring stations. The dissolved oxygen and total boron concentrations observed at the IDZ monitoring stations are within concentration ranges that have been observed in the pre-construction baseline monitoring program (2.44 to 13.8 mg/L for dissolved oxygen and 0.0893 to 8.38 mg/L for total boron) and within ranges observed at marine reference stations for dissolved oxygen (2.44 to 14.2 mg/L) and total boron (0.114 to 8.38 mg/L).

Methylmercury and total mercury analytical results were available at the time of reporting for marine water samples collected September 22 (station WQR1), as discussed in Report #133. For all samples, methylmercury concentrations ranged from 0.000020 to 0.000022 µg/L and met the WQG. The corresponding total mercury results met WQGs. Results are tabulated in Appendix F, Table F-3.

Dioxin and furans analytical results were available at the time of reporting for all marine water samples collected September 21 (stations IDZ-W1, IDZ-W2 and WQR2), as discussed in Report #133. For all samples, the lower bound PCDD/F TEQ concentrations ranged from 0 to 0.0317 pg/L and the upper bound PCDD/F TEQ concentrations ranged from 1.07 to 1.50 pg/L. The lower and upper bound PCDD/F TEQ concentrations were within the concentration ranges observed in the pre-construction baseline monitoring program (0 to 2.64 pg/L and 0 to 7.06 pg/L, respectively) and within background ranges observed at marine reference stations (0 to 0.941 pg/L and 0.499 to 5.65 pg/L, respectively). Results are tabulated in Appendix F, Table F-4.

3.8 Quality Control

This section presents the results of the quality control (QC) evaluation for the PE-111578 weekly report (Table 4). 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 record keeping, evaluation of compliance and review of water management activities. Items flagged for

follow-up in Section 3 are also tracked in Table 4. Any items flagged for follow-up are carried forward to future reports until they are closed.

Table 4:
Weekly Report QC Evaluations and Ongoing Items

QC Procedure	Observation	Investigation/Resolution
Reporting Period (October 11 – 17, Report #136)		
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. Outfall 11 (OUT-11) has been constructed but is currently not in use. This item remains open.
Report #136: WWTP Performance Evaluation	Total selenium above the MDO.	The total selenium concentration in WWTP-E-OUT sample collected on September 10 was above the MDO (0.002 mg/L). As previously noted in Report #135, total selenium met the MDO in the WWTP-E-OUT samples collected September 17 and 30. The instances of total selenium above the MDO were limited from August to early September. This item is closed.
Report #136: Pending Data	Analytical results not reported.	Field measurements and all analytical results for receiving environment samples collected October 11, 12, 13, 16 and 17, analytical results for contact and treated water samples collected October 14 as well as total mercury, methylmercury, dioxins and furans results for contact and treated water samples collected October 11 and 14 are pending and will be included in future weekly reports when available. This item remains open.
Ongoing Items from Previous Weekly Reports		
Report #112: WWTP Performance Evaluation	Total mercury and methylmercury above the MDO.	This item was first noted in Report #112. The total mercury and methylmercury concentrations in the samples collected at WWTP-E-OUT from April 15 through June 8, July 10, 26, and August through September were above the MDOs. Total mercury was above the MDO on July 20. Increased incidence of total mercury and methylmercury concentrations above the MDOs in site contact waters occurred in late April 2025 through September 2025, coinciding with warmer and drier weather relative to winter months. In 2025, possible project related sources had been evaluated, and upstream contact water monitoring data indicate methylmercury was elevated in the Hydrovac sump. Excess water from this sump is directed to the East WWTP. This production of methylmercury is attributed to microbially mediated methylation of total mercury in the bottom sediments of water management sumps, and transfer from the sump sediments to the water column. Enhanced monitoring for methylmercury was implemented in May 2026. Results indicate elevated methylmercury concentrations are observed in the Hydrovac bins, comparable to levels observed in 2025 at the Hydrovac sump. Excess water from the Hydrovac bins is directed to the East WWTP. The enhanced monitoring for methylmercury is ongoing. This item remains open.
Report #131: Pending Data	Analytical results not reported.	Previously pending analytical parameters for contact and treated water samples collected September 10 are included in Report #136. This item is closed.
Report #132: Pending Data	Analytical results not reported.	Previously pending total mercury and methylmercury results for contact and treated water samples collected September 17 are included in Report #136. This item is closed.
Report #133: Pending Data	Analytical results not reported.	Previously pending analytical parameters for contact and treated water samples collected September 20 as well as field measurements and analytical results for receiving environment samples collected September 21 and 22 are included in Report #136. Field measurements and analytical results for some of the receiving environment samples collected September 21, dioxins and furans results for receiving environment samples collected September 22, and chronic toxicity test results for all receiving environment samples collected September 21 and 22 are pending and will be included in future weekly reports when available. This item remains open.
Report #134: Pending Data	Analytical results not reported.	Previously pending total mercury and methylmercury results for contact and treated water samples collected September 27 are included in Report #136. Field measurements and all analytical results receiving environment samples collected October 1, 2, and 3, as well as total mercury, methylmercury, dioxins and furans results for contact and treated water samples collected September 27 and 30 and for non-contact water diversion ditch outlets collected September 29 are pending and will be included in future weekly reports when available. This item remains open.
Report #135: Pending Data	Analytical results not reported.	Previously pending analytical results for contact and treated water samples collected October 6 as well as field measurements and all analytical results for receiving environment samples collected October 7 and 8 are included in Report #136. Field measurements and all analytical results for receiving environment samples collected October 4, 9 and 10, as well as total mercury, methylmercury, dioxins and furans results for contact, treated and receiving environment water samples collected October 6, 7 and 8 are pending and will be included in future weekly reports when available. This item remains open.

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

4. Closure

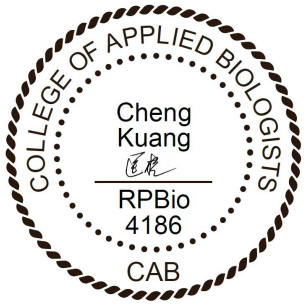
This weekly report is a desktop review by Lorax of the PE-111578 discharge and compliance monitoring program records, reports and results provided by Woodfibre LNG and prime contractor McDermott International and their sub-contractors. The records reviewed and analyzed by Lorax include ALS Environmental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

Regards,

LORAX ENVIRONMENTAL SERVICES LTD.



Holly Pelletier, B.Sc., P.Geo.
Environmental Geoscientist



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

Lorax Environmental Services Ltd. EGBC Permit to Practice Number: 1001840

Appendix A: Figures and Site Images



LEGEND

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

DATE SAVED:	Oct 23, 2026
DRAWN BY:	DM
REVIEWED:	PM
VERSION:	1

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

1:7,000

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 (October 17, 2026)

PROJECT #: A825-1

FIGURE: 1

P:\@2025\06\Woodfibre\Drafting Figures\APRX\WLNG Weekly Report Figure\WLNG Weekly Report.aprx Figure 1 - Monitoring and Compliance Locations Printed by: DesMacDonald

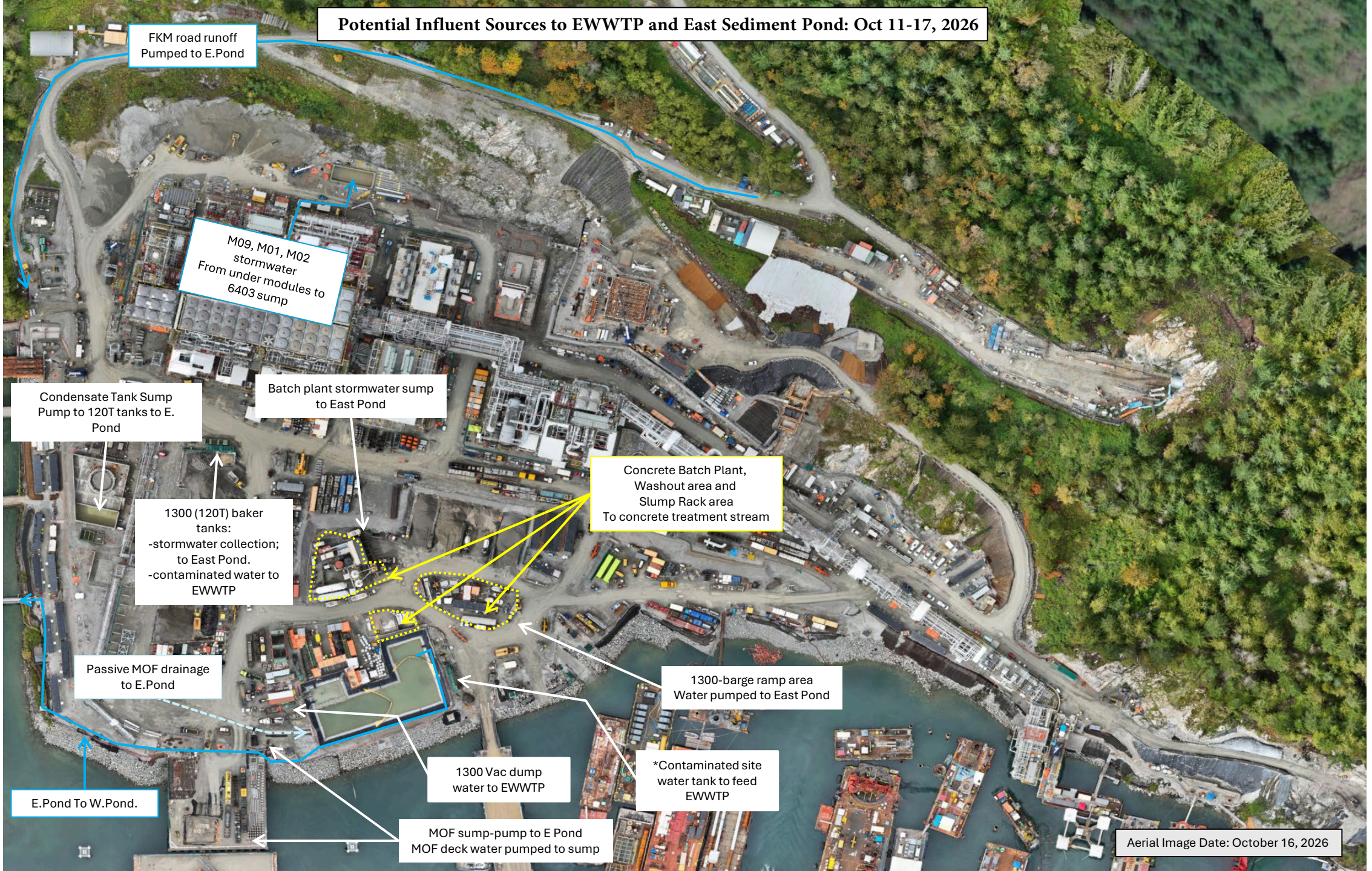

Potential Influent Sources to EWWTP and East Sediment Pond: Oct 11-17, 2026
FKM road runoff
Pumped to E.Pond
M09, M01, M02
stormwater
From under modules to
6403 sump
Condensate Tank Sump
Pump to 120T tanks to E.
Pond
Batch plant stormwater sump
to East Pond
Concrete Batch Plant,
Washout area and
Slump Rack area
To concrete treatment stream
1300 (120T) baker
tanks:
-stormwater collection;
to East Pond.
-contaminated water to
EWWTP
Passive MOF drainage
to E.Pond
1300-barge ramp area
Water pumped to East Pond
1300 Vac dump
water to EWWTP
*Contaminated site
water tank to feed
EWWTP
E.Pond To W.Pond.
MOF sump-pump to E Pond
MOF deck water pumped to sump
Aerial Image Date: October 16, 2026

Figure 2

Potential Influent Sources to West Sedimentation Pond and 2700GPM system: Oct 11 - 17, 2026

Figure 3





Figure 4: Aerial view of the East Sedimentation Pond (October 16, 2026). The East WWTP is located on the left side of the pond.

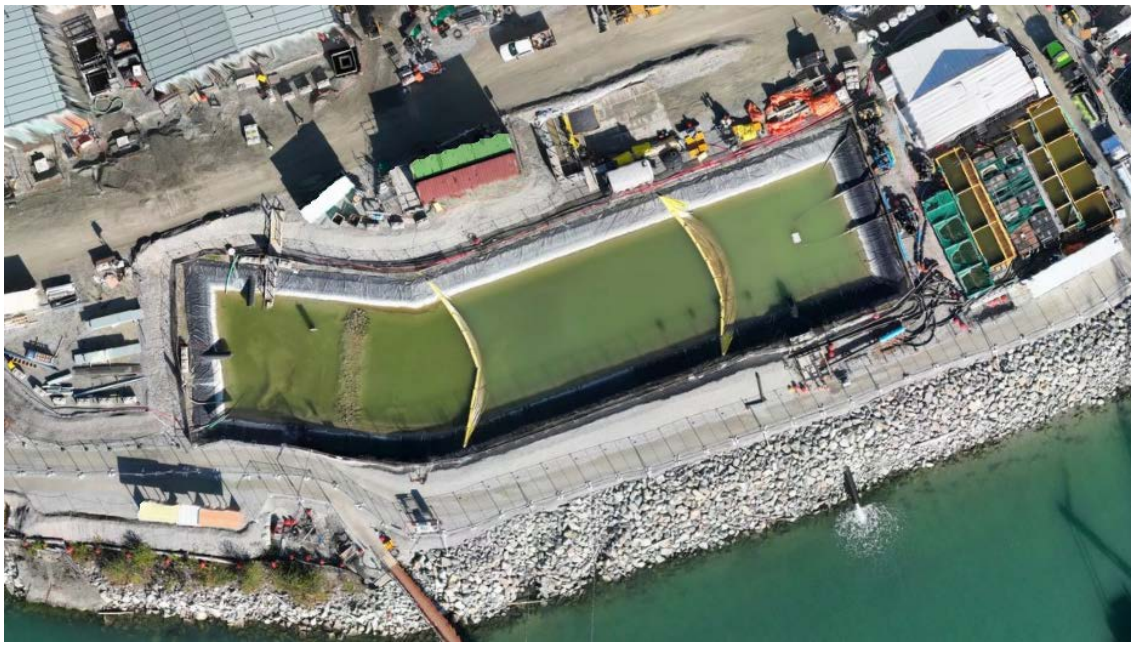


Figure 5: Aerial view of the West Sedimentation Pond (October 16, 2026).

Appendix B:
East Catchment Monitoring Results

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

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station WWTP-E-IN	Station COMB-WWTP-E-IN	Station WWTP-E-OUT
					Influent	Influent	Effluent
					WWTP-E-IN	COMB-WWTP-E-IN	WWTP-E-OUT
					VA26C5843-002	VA26C5843-005	VA26C5843-008
		Long Term	Short Term		2026-09-10 10:34	2026-09-10 11:39	2026-09-10 16:27
General Parameters							
pH - Field	pH units	- [2]	-	5.5 - 9.0	8.2	9.2	6.9
Specific Conductivity - Field	µS/cm	-	-	-	3027	3066	3099
Temperature - Field	°C	-	-	-	19.5	19.3	19.9
Salinity - Field	ppt	-	-	-	1.58	1.61	1.62
Turbidity - Field	NTU	-	-	-	18.21	53.12	8.46
TSS	mg/L	-	-	25 or 75 [5]	4.2	49.6	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	9.12	8.11	8.33
Total Hardness	mg/L	-	-	-	104	193	32.6
Dissolved Hardness	mg/L	-	-	-	97.6	154	30.8
Anions and Nutrients							
Sulphate	mg/L	-	-	-	1120	1180	1160
Chloride	mg/L	-	-	-	18.4	16.4	16.5
Fluoride	mg/L	-	1.5	-	<0.400	<0.400	<0.400
Ammonia (N-NH_3)	mg/L	0.13-9.4 [3]	0.85-62 [3]	-	0.0995	0.208	0.125
Nitrite (N-NO_2)	mg/L	-	-	-	<0.0200	0.0263	0.0354
Nitrate (N-NO_3)	mg/L	3.7	339	-	0.139	0.615	0.403
Total Organic Carbon (TOC)	mg/L	-	-	-	4.98	6.66	4.33
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	4.6	6.6	4.37
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	0.942	0.875	0.178
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00163	0.00157	0.00164
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00276	0.00246	0.00189
Barium, total (T-Ba)	mg/L	-	-	-	0.0351	0.0822	0.00513
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000040	<0.000040	<0.000040
Boron, total (T-B)	mg/L	1.2	-	-	0.238	0.217	0.249
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000550	<0.0000500	<0.0000600
Chromium, total (T-Cr)	mg/L	-	-	-	0.00182	0.0246	0.00248
Cobalt, total (T-Co)	mg/L	-	-	-	0.00039	0.00052	0.00022
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00326	0.00525	0.00221
Iron, total (T-Fe)	mg/L	-	-	-	0.843	2.72	0.246
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.000412	0.00044	0.000146
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.0388	0.0653	0.0142
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.237	0.253	0.247
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00100	0.0021	<0.00100
Selenium, total (T-Se)	mg/L	0.002	-	-	0.0017	***0.00244***	***0.00243***
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000020	<0.000020	<0.000020
Thallium, total (T-Tl)	mg/L	-	-	-	0.000041	0.000047	0.000063
Uranium, total (T-U)	mg/L	-	-	-	0.00748	0.00664	0.00226
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00354	0.00327	0.00231
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0096	0.0133	0.0072
Hexavalent Chromium, total	mg/L	0.0015	-	-	0.0008	***0.00154***	0.00079
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000350	<0.0000350	<0.0000450
Cobalt, dissolved (D-Co)	mg/L	-	-	-	<0.00020	<0.00020	<0.00020
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00219	0.00368	0.00174
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.066	0.03	<0.020
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000100	<0.000100	<0.000100
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00967	0.0212	0.01
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00100	0.00103	<0.00100
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.611	1.09	0.417
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00236	0.00104	0.00205
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0022	<0.0020	0.0043
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.006	-	-	-	-	-
Acridine	mg/L	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-
Benz(a)anthracene	mg/L	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	0.00001	-	-	-	-	-
Chrysene	mg/L	0.0001	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-
Fluorene	mg/L	0.012	-	-	-	-	-
1-methylnaphthalene	mg/L	0.001	-	-	-	-	-
2-methylnaphthalene	mg/L	0.001	-	-	-	-	-
Naphthalene	mg/L	0.001	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-
Quinoline	mg/L	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)							
Benzene	mg/L	0.59	6.0	-	-	-	-
Ethylbenzene	mg/L	0.07	1.0	-	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-
Toluene	mg/L	0.03	3.0	-	-	-	-
Total Xylenes	mg/L	0.07	1.0	-	-	-	-
Chlorobenzene	mg/L	0.025	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	-	-

Notes:
East catchment influents and East WWTP effluent were not discharged to Howe Sound. Results above screening values are only highlighted for comparative purposes.
Non-detect results are screened using the detection limit value.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
Results in orange text exceed the PE-111578 East Sedimentation Pond Discharge Limit.
The East Catchment did not discharge during the monitoring period (October 11 – 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 27G and 27H in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [Sb(III)] is 0.27 mg/L and is applied to total antimony results.
[5] The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

Table B-2:
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 VA26C7238-002 2026-09-20 12:09	Station WWTP-E-OUT Effluent WWTP-E-OUT VA26C7238-003 2026-09-20 17:22	Station WWTP-E-IN Influent WWTP-E-IN VA26C9624-002 2026-10-06 9:11	Station WWTP-E-OUT Effluent WWTP-E-OUT VA26C9624-003 2026-10-06 16:00
		Long Term	Short Term					
General Parameters								
pH - Field	pH units	- [2]	-	5.5 - 9.0	8.5	7.5	8.4	7.6
Specific Conductivity - Field	µS/cm	-	-	-	2840	2858	1622	1710
Temperature - Field	℃	-	-	-	20.8	19.7	15.7	16.8
Salinity - Field	ppt	-	-	-	1.48	1.46	0.82	0.87
Turbidity - Field	NTU	-	-	-	19.19	9.86	6.67	2.51
TSS	mg/L	-	-	25 or 75 [5]	<3.0	<3.0	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	10.04	8.88	11.66	10.25
Total Hardness	mg/L	-	-	-	84.3	58.2	65	20.1
Dissolved Hardness	mg/L	-	-	-	82.2	56.7	64.7	20.2
Anions and Nutrients								
Sulphate	mg/L	-	-	-	1120	1200	529	516
Chloride	mg/L	-	-	-	17.4	17.2	4.89	5.17
Fluoride	mg/L	-	1.5	-	<0.400	<0.400	0.128	0.161
Ammonia (N-NH_3)	mg/L	0.27-2.4 [3]	1.8-16 [3]	-	0.096	0.0796	1.19	1.19
Nitrite (N-NO_2)	mg/L	-	-	-	<0.0200	<0.0200	0.0696	0.0887
Nitrate (N-NO_3)	mg/L	3.7	339	-	0.112	0.188	0.338	0.382
Total Organic Carbon (TOC)	mg/L	-	-	-	4.36	4.12	4.31	4.7
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	4.56	4.29	4.1	4.54
Total Metals								
Aluminum, total (T-Al)	mg/L	-	-	-	0.903	0.495	0.546	0.241
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00161	0.00171	0.00146	0.00144
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00268	0.0022	0.00234	0.00206
Barium, total (T-Ba)	mg/L	-	-	-	0.0291	0.00907	0.0258	0.00248
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000040	<0.000040	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.24	0.257	0.278	0.236
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000650	<0.0000750	<0.0000200	<0.0000250
Chromium, total (T-Cr)	mg/L	-	-	-	0.00199	0.00459	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.00033	0.00027	0.00018	0.00011
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00305	0.00257	0.00171	0.00176
Iron, total (T-Fe)	mg/L	-	-	-	0.723	0.496	0.274	0.055
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.000372	0.000321	0.000135	0.000066
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.0284	0.023	0.0263	0.00551
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.242	0.24	0.0451	0.0612
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00100	<0.00100	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.00185	0.00191	0.000694	0.000762
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000020	<0.000020	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000043	0.000054	0.000016	0.000025
Uranium, total (T-U)	mg/L	-	-	-	0.00656	0.0054	0.00207	0.0059
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00326	0.00237	0.00159	0.0018
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0077	0.0077	0.0126	0.0036
Hexavalent Chromium, total	mg/L	0.0015	-	-	0.00065	0.00106	<0.00050	<0.00050
Dissolved Metals								
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000550	<0.0000500	<0.0000200	<0.0000350
Cobalt, dissolved (D-Co)	mg/L	-	-	-	<0.00020	<0.00020	<0.00010	<0.00020
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00211	0.00169	0.00129	0.00141
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.062	0.038	<0.010	<0.020
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000100	<0.000100	<0.000050	<0.000100
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00373	0.00919	0.0149	0.00259
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00100	<0.00100	<0.00050	<0.00100
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.569	0.687	0.314	0.175
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00212	0.00144	0.00115	0.00148
Zinc, dissolved (D-Zn)	mg/L	-	-	-	<0.0020	0.0023	0.0039	0.0068
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	0.59	6.0	-	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.07	1.0	-	<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	0.03	3.0	-	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	0.07	1.0	-	<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:
East catchment influents and East WWTP effluent were not discharged to Howe Sound. Results above screening values are only highlighted for comparative purposes.
Non-detect results are screened using the detection limit value.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
Results in orange text exceed the PE-111578 East Sedimentation Pond Discharge Limit.
The East Catchment did not discharge during the monitoring period (October 11 – 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 27G and 27H in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [Sb(III)] is 0.27 mg/L and is applied to total antimony results.
[5] The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

Table B-3:
East Sedimentation Pond Influent and Effluent Analytical Results Received at the Time of Reporting.

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station SP-E-IN Influent SP-E-IN VA26C5843-001 2026-09-10 12:15	Station SP-E-IN Influent SP-E-IN VA26C7238-001 2026-09-20 11:47	Station SP-E-IN Influent SP-E-IN VA26C9624-001 2026-10-06 9:36
		Long Term	Short Term				
General Parameters							
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.5	7.6	7.8
Specific Conductivity - Field	µS/cm	-	-	-	3079	2844	1567
Temperature - Field	°C	-	-	-	20.0	19.5	14.9
Salinity - Field	ppt	-	-	-	1.61	1.48	0.79
Turbidity - Field	NTU	-	-	-	17.13	15.08	10.57
TSS	mg/L	-	-	25 or 75 [5]	7.6	5.3	7.1
Dissolved Oxygen - Field	mg/L	≥8	-	-	8.76	10.06	9.85
Total Hardness	mg/L	-	-	-	74.8	73.6	44.4
Dissolved Hardness	mg/L	-	-	-	67.3	68.7	39.5
Anions and Nutrients							
Sulphate	mg/L	-	-	-	1140	1170	460
Chloride	mg/L	-	-	-	17.4	16.8	5.19
Fluoride	mg/L	-	1.5	-	<0.400	<0.400	0.158
Ammonia ($N\text{-}NH_3$)	mg/L	2.2-2.4 [3]	15-16 [3]	-	0.115	0.139	0.911
Nitrite ($N\text{-}NO_2$)	mg/L	-	-	-	0.0398	0.0239	0.135
Nitrate ($N\text{-}NO_3$)	mg/L	3.7	339	-	0.193	0.229	0.46
Total Organic Carbon (TOC)	mg/L	-	-	-	4.95	4.02	5.6
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	4.51	4.17	4.59
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	0.708	0.536	0.804
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00166	0.00158	0.00186
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00256	0.00241	0.00536
Barium, total (T-Ba)	mg/L	-	-	-	0.0248	0.0177	0.0176
Beryllium, total (T-Be)	mg/L	0.1	-	-	<0.000040	<0.000040	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.249	0.209	0.362
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	<0.0000500	<0.0000500	<0.0000250
Chromium, total (T-Cr)	mg/L	-	-	-	0.00319	0.00353	0.00099
Cobalt, total (T-Co)	mg/L	-	-	-	0.00039	0.00031	0.00031
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00275	0.00224	0.00372
Iron, total (T-Fe)	mg/L	-	-	-	0.931	0.561	0.484
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.000351	0.000256	0.000214
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.0453	0.0333	0.0296
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.236	0.239	0.0589
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00100	<0.00100	0.00097
Selenium, total (T-Se)	mg/L	0.002	-	-	***0.00201***	***0.00214***	0.000678
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000020	<0.000020	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000053	0.000059	0.000023
Uranium, total (T-U)	mg/L	-	-	-	0.00583	0.00413	0.0131
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00309	0.00223	0.00381
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0067	<0.0060	0.0326
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	0.00069	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000350	<0.0000550	<0.0000200
Cobalt, dissolved (D-Co)	mg/L	-	-	-	0.00022	<0.00020	0.00015
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00194	0.00155	0.00268
Iron, dissolved (D-Fe)	mg/L	-	-	-	0.053	0.037	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000100	<0.000100	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.0234	0.0135	0.0109
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00100	<0.00100	0.00066
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.578	0.676	0.224
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00181	0.00138	0.00315
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0043	<0.0020	0.0062
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.006	-	-	-	<0.000010	<0.000010
Acridine	mg/L	-	-	-	-	<0.000010	<0.000010
Anthracene	mg/L	-	-	-	-	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	-	-	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	-	-	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	-	-	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	-	-	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	-	-	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	-	-	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	-	-	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	-	-	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	-	-	<0.000020	<0.000020
Pyrene	mg/L	-	-	-	-	<0.000010	<0.000010
Quinoline	mg/L	-	-	-	-	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)							
Benzene	mg/L	0.59	6.0	-	-	<0.00050	<0.00050
Ethylbenzene	mg/L	0.07	1.0	-	-	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	<0.00050	<0.00050
Styrene	mg/L	-	-	-	-	<0.00050	<0.00050
Toluene	mg/L	0.03	3.0	-	-	<0.00040	<0.00040
Total Xylenes	mg/L	0.07	1.0	-	-	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	-	-	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	<0.00050	<0.00050

Notes:
East catchment influents and East WWTP effluent were not discharged to Howe Sound. Results above screening values are only highlighted for comparative purposes.
Non-detect results are screened using the detection limit value.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
Results in orange text exceeded the PE-111578 East Sedimentation Pond Discharge Limit.
The East Catchment did not discharge during the monitoring period (October 11 – 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 27G and 27H in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [Sb(III)] is 0.27 mg/L and is applied to total antimony results.
[5] The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

Table 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]	0.0015 - 0.016 [3,4]
Station	**Water Type**	**Sample ID**	**Lab ID**	**Sampling Date**		
Influent						
SP-E-IN	Influent	SP-E-IN	VA26C5843-001	2026-09-10	***0.000839***	***0.0232***
SP-E-IN	Influent	SP-E-IN	VA26C7035-001	2026-09-17	***0.000908***	***0.0148***
SP-E-IN	Influent	SP-E-IN	VA26C7238-001	2026-09-20	***0.000684***	***0.0337***
WWTP-E-IN	Influent	WWTP-E-IN	VA26C5843-002	2026-09-10	***0.000526***	***0.0092***
WWTP-E-IN	Influent	WWTP-E-IN	VA26C7035-002	2026-09-17	***0.000401***	***0.0104***
WWTP-E-IN	Influent	WWTP-E-IN	VA26C7238-002	2026-09-20	***0.000715***	***0.0107***
COMB-WWTP-E-IN	Influent	COMB-WWTP-E-IN	VA26C5843-005	2026-09-10	***0.000735***	***0.114***
COMB-WWTP-E-IN	Influent	COMB-WWTP-E-IN	VA26C7035-005	2026-09-17	***0.000770***	***0.177***
Effluent						
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA26C5843-008	2026-09-10	***0.000477***	***0.0145***
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA26C7035-008	2026-09-17	***0.000488***	***0.0174***
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA26C7238-003	2026-09-20	***0.000573***	***0.0563***

Notes:
East catchment influents and effluents 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 results 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	VA26C7240-001	2026-09-20	0.00390	1.12
WWTP-E-IN	Influent	WWTP-E-IN	VA26C7240-002	2026-09-20	0.0544	1.05
Effluent						
WWTP-E-OUT	Effluent	WWTP-E-OUT	VA26C7240-003	2026-09-20	0	0.898

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 (October 11 – 17).

Parameter			Temperature	Dissolved Oxygen (DO)	Salinity	Turbidity	Estimated TSS [3]	pH	Specific Conductivity	Visibility of Sheen
Unit			**°C**	**mg/L**	**ppt**	**NTU**	**mg/L**	**s.u.**	**µS/cm**	
PE-111578 Discharge Limit			-	-	-	-	25 or 75 [6]	5.5 - 9.0	-	-
Lowest Applicable Guideline [1]			-	≥8	-	-	- [2]	- [2]	-	-
Station ID	**Water Type**	**Date**								
Influent [4]										
SP-E-IN	Influent	2026-10-11 9:35	12.2	8.67	0.54	70.95	55.9	8.1	1088	No
SP-E-IN	Influent	2026-10-12 11:50	12.1	9.22	0.66	47.71	38.6	8.0	1304	No
SP-E-IN	Influent	2026-10-13 9:46	13.0	9.73	0.86	17.24	15.9	9.2	1684	No
SP-E-IN	Influent	2026-10-13 9:48	13.1	9.86	0.86	18.89	17.1	9.2	1686	No
SP-E-IN	Influent	2026-10-14 9:54	13.2	10.26	0.49	129.65	99.7	7.8	981	No
SP-E-IN	Influent	2026-10-15 8:25	12.6	10.76	0.71	46.31	37.5	7.5	1414	No
SP-E-IN	Influent	2026-10-16 16:14	14.3	10.99	0.48	72.24	56.9	8.4	965	No
SP-E-IN	Influent	2026-10-17 12:16	14.1	9.77	0.53	76.92	60.4	7.0	1063	No
WWTP-E-IN	Influent	2026-10-12 12:01	12.6	11.39	0.78	29.42	24.9	9.0	1543	No
WWTP-E-IN	Influent	2026-10-13 10:00	12.8	11.20	0.77	21.13	18.8	8.9	1512	No
WWTP-E-IN	Influent	2026-10-14 10:11	13.8	11.01	0.74	26.60	22.8	8.8	1458	No
WWTP-E-IN	Influent	2026-10-15 8:29	12.8	10.15	0.61	22.78	20.0	8.1	1224	No
WWTP-E-IN	Influent	2026-10-17 12:22	14.7	9.94	0.48	88.13	68.7	8.0	973	No
Effluent [5]										
WWTP-E-OUT	Effluent	2026-10-12 12:07	13.6	***5.57***	0.96	2.18	4.6	7.5	1870	No
WWTP-E-OUT	Effluent	2026-10-13 9:57	13.6	***7.02***	0.97	1.11	3.8	7.3	1898	No
WWTP-E-OUT	Effluent	2026-10-14 15:51	14.4	11.56	0.80	7.31	8.5	7.1	1578	No
WWTP-E-OUT	Effluent	2026-10-15 8:36	13.2	10.57	0.78	2.47	4.8	7.3	1530	No
WWTP-E-OUT	Effluent	2026-10-17 12:42	14.6	9.05	0.72	3.88	5.9	7.1	1422	No

Notes:
The east catchment did not discharge to Howe Sound during the monitoring period (October 11 – 17). Results above screening values are highlighted for comparative purposes.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
Results in orange text exceed the PE-111578 East Sedimentation Pond Discharge Limit.
[1] The lowest applicable guidelines from approved or working BC WQGs, Canadian (CCME) WQGs and Federal WQGs.
[2] The WQG was not evaluated for parameters with discharge limits.
[3] TSS concentration is estimated from field turbidity measurements using a site-specific relationship TSS = 0.7458 * [turbidity as NTU] + 3.
[4] Daily field measurements for station SP-E-IN were collected from cell 1 of the East Sedimentation Pond. Daily field measurements for station WWTP-E-IN were not collected on October 16 as the East WWTP was not operational at the time of monitoring. The East WWTP was not operated on October 11.
[5] There was no discharge at the authorized discharge location (SP-E-OUT) during the monitoring period (October 11 – 17), therefore daily field measurements for SP-E-OUT were not collected on those days. Daily field measurements for station WWTP-E-OUT were not collected on October 16 as the East WWTP was not operational at the time of monitoring. The East WWTP was not operated on October 11.
[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 (October 11 – 17).

	East Sedimentation Pond Effluent	Transfer to West Sedimentation Pond	East WWTP Treated Effluent (Station WWTP-E-OUT)[2]	Discharge to Howe Sound (Station SP-E-OUT)
Units	**m^3**	**m^3**	**m^3**	**m^3**
PE-111578 Discharge Limit	-	-	1,100	- [1]
Date				
2026-10-11	0	0	0	0
2026-10-12	0	0	74	0
2026-10-13	0	0	186	0
2026-10-14	0	0	127	0
2026-10-15	0	0	139	0
2026-10-16	0	0	5	0
2026-10-17	0	0	85	0

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

Appendix C:
West Catchment Monitoring Results

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

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station 2700GPM-IN	Station W2700T1-OUT
					Influent	Effluent
					2700GPM-IN	W2700T1-OUT
					VA26D0071-002	VA26D0071-003
		Long Term	Short Term		2026-10-11 13:22	2026-10-11 16:03
General Parameters						
pH - Field	pH units	- [2]	-	5.5 - 9.0	8.0	8.0
Specific Conductivity - Field	µS/cm	-	-	-	336	335
Temperature - Field	°C	-	-	-	13.9	14.8
Salinity - Field	ppt	-	-	-	0.16	0.16
Turbidity - Field	NTU	-	-	-	86.58	5.71
TSS	mg/L	-	-	25 or 75 [5]	39.9	3.3
Dissolved Oxygen - Field	mg/L	≥8	-	-	10.24	9.94
Total Hardness	mg/L	-	-	-	64.8	53.5
Dissolved Hardness	mg/L	-	-	-	54	52.8
Anions and Nutrients						
Sulphate	mg/L	-	-	-	76.9	76.7
Chloride	mg/L	-	-	-	2.87	2.95
Fluoride	mg/L	-	1.5	-	0.067	0.069
Ammonia (N-NH_3)	mg/L	1.4 [3]	9.4 [3]	-	0.0066	0.0057
Nitrite (N-NO_2)	mg/L	-	-	-	0.0047	<0.0010
Nitrate (N-NO_3)	mg/L	3.7	339	-	0.313	0.34
Total Organic Carbon (TOC)	mg/L	-	-	-	4.65	3.62
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	3.78	3.64
Total Metals						
Aluminum, total (T-Al)	mg/L	-	-	-	5.09	0.334
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00056	0.00055
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00106	0.00062
Barium, total (T-Ba)	mg/L	-	-	-	0.038	0.00321
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000076	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.023	0.022
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.000057	0.0000085
Chromium, total (T-Cr)	mg/L	-	-	-	0.00122	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.0014	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.0072	0.00174
Iron, total (T-Fe)	mg/L	-	-	-	3.94	0.139
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.00204	0.000178
Manganese, total (T-Mn)	mg/L	0.1	-	-	***0.16***	0.00595
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0151	0.0153
Nickel, total (T-Ni)	mg/L	0.0083	-	-	0.00091	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000119	0.00009
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.00002	0.000011
Uranium, total (T-U)	mg/L	-	-	-	0.00123	0.00109
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00653	0.00102
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.0358	0.0036
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050
Dissolved Metals						
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000100	<0.0000100
Cobalt, dissolved (D-Co)	mg/L	-	-	-	<0.00010	<0.00010
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00123	0.00124
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00691	0.00114
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0774	0.0778
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00068	0.00065
Zinc, dissolved (D-Zn)	mg/L	-	-	-	0.0013	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	0.59	6.0	-	-	-
Ethylbenzene	mg/L	0.07	1.0	-	-	-
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	-
Styrene	mg/L	-	-	-	-	-
Toluene	mg/L	0.03	3.0	-	-	-
Total Xylenes	mg/L	0.07	1.0	-	-	-
Chlorobenzene	mg/L	0.025	-	-	-	-
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	-

Notes:
West catchment influents were not discharged to Howe Sound. Influent results above screening values are only highlighted for comparative purposes.
Non-detect results are screened using the detection limit value.
Results ***underlined in bold italics*** exceed the applicable long-term water quality guideline for the protection of marine water aquatic life.
Shaded results exceed the applicable short-term water quality guideline for the protection of marine water aquatic life.
Results in orange text exceed the PE-111578 West Sedimentation Pond Discharge Limit.
The West Catchment discharged during the monitoring period (October 11 – 17) on October 16.
[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 27G and 27H in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [Sb(III)] is 0.27 mg/L and is applied to total antimony results.
[5] The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

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

Parameter	Unit	Lowest Applicable Guideline [1]		PE-111578 Discharge Limit	Station SP-W-IN Influent SP-W-IN VA26D0071-001 2026-10-11 13:07	Station SP-W-OUT Effluent SP-W-OUT VA26D0756-001 2026-10-16 9:39	Station SP-W-OUT Effluent SP-W-OUT-DUP VA26D0756-002 2026-10-16 9:39
		Long Term	Short Term				
General Parameters							
pH - Field	pH units	- [2]	-	5.5 - 9.0	7.4	8.0	-
Specific Conductivity - Field	µS/cm	-	-	-	345	538	-
Temperature - Field	°C	-	-	-	14.1	13.5	-
Salinity - Field	ppt	-	-	-	0.17	0.26	-
Turbidity - Field	NTU	-	-	-	30.29	2.43	-
TSS	mg/L	-	-	25 or 75 [5]	15.1	3.6	<3.0
Dissolved Oxygen - Field	mg/L	≥8	-	-	10.63	10.37	-
Total Hardness	mg/L	-	-	-	52.5	58.4	57.9
Dissolved Hardness	mg/L	-	-	-	48.9	57.2	57.7
Anions and Nutrients							
Sulphate	mg/L	-	-	-	80.9	134	134
Chloride	mg/L	-	-	-	2.87	3.60	3.52
Fluoride	mg/L	-	1.5	-	0.071	0.081	0.083
Ammonia ($N\text{-}NH_3$)	mg/L	1.4-5.3 [3]	9.4-35 [3]	-	0.0188	0.145	0.139
Nitrite ($N\text{-}NO_2$)	mg/L	-	-	-	0.0013	0.023	0.0231
Nitrate ($N\text{-}NO_3$)	mg/L	3.7	339	-	0.34	0.382	0.383
Total Organic Carbon (TOC)	mg/L	-	-	-	4.18	3.43	3.38
Dissolved Organic Carbon (DOC)	mg/L	-	-	-	3.97	3.55	3.27
Total Metals							
Aluminum, total (T-Al)	mg/L	-	-	-	1.59	0.153	0.148
Antimony, total (T-Sb)	mg/L	-	0.27 [4]	-	0.00049	0.00071	0.00071
Arsenic, total (T-As)	mg/L	0.0125	-	-	0.00074	0.0008	0.00081
Barium, total (T-Ba)	mg/L	-	-	-	0.0116	0.00301	0.00315
Beryllium, total (T-Be)	mg/L	0.1	-	-	0.000037	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	-	-	0.023	0.055	0.055
Cadmium, total (T-Cd)	mg/L	0.00012	-	-	0.0000149	<0.0000125	<0.0000100
Chromium, total (T-Cr)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	-	0.00039	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	- [2]	- [2]	0.0043	0.00216	0.00102	0.00111
Iron, total (T-Fe)	mg/L	-	-	-	1.09	0.054	0.052
Lead, total (T-Pb)	mg/L	- [2]	- [2]	0.0035	0.000574	0.000061	0.000056
Manganese, total (T-Mn)	mg/L	0.1	-	-	0.0427	0.0043	0.00352
Molybdenum, total (T-Mo)	mg/L	-	-	-	0.0163	0.0204	0.02
Nickel, total (T-Ni)	mg/L	0.0083	-	-	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	-	0.000107	0.000137	0.000199
Silver, total (T-Ag)	mg/L	0.0005	0.0037	-	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	-	-	-	0.000015	0.000014	0.000014
Uranium, total (T-U)	mg/L	-	-	-	0.00108	0.0014	0.00142
Vanadium, total (T-V)	mg/L	- [2]	-	0.0081	0.00242	0.00086	0.00085
Zinc, total (T-Zn)	mg/L	- [2]	- [2]	0.0133	0.007	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	-	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd)	mg/L	-	-	-	<0.0000100	<0.0000100	<0.0000100
Cobalt, dissolved (D-Co)	mg/L	-	-	-	<0.00010	<0.00010	<0.00010
Copper, dissolved (D-Cu)	mg/L	-	-	-	0.00107	0.00079	0.00084
Iron, dissolved (D-Fe)	mg/L	-	-	-	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	-	<0.000050	<0.000050	<0.000050
Manganese, dissolved (D-Mn)	mg/L	-	-	-	0.00213	0.00221	0.00171
Nickel, dissolved (D-Ni)	mg/L	-	-	-	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	-	0.0784	0.0963	0.0951
Vanadium, dissolved (D-V)	mg/L	-	-	-	0.00069	0.0007	0.00073
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
Acridine	mg/L	-	-	-	-	<0.000010	<0.000010
Anthracene	mg/L	-	-	-	-	<0.000010	<0.000010
Benz(a)anthracene	mg/L	-	-	-	-	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	-	-	<0.0000050	<0.0000050
Chrysene	mg/L	0.0001	-	-	-	<0.000010	<0.000010
Fluoranthene	mg/L	-	-	-	-	<0.000010	<0.000010
Fluorene	mg/L	0.012	-	-	-	<0.000010	<0.000010
1-methylnaphthalene	mg/L	0.001	-	-	-	<0.000010	<0.000010
2-methylnaphthalene	mg/L	0.001	-	-	-	<0.000010	<0.000010
Naphthalene	mg/L	0.001	-	-	-	<0.000050	<0.000050
Phenanthrene	mg/L	-	-	-	-	<0.000020	<0.000020
Pyrene	mg/L	-	-	-	-	<0.000010	<0.000010
Quinoline	mg/L	-	-	-	-	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)							
Benzene	mg/L	0.59	6.0	-	-	<0.00050	<0.00050
Ethylbenzene	mg/L	0.07	1.0	-	-	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	-	-	<0.00050	<0.00050
Styrene	mg/L	-	-	-	-	<0.00050	<0.00050
Toluene	mg/L	0.03	3.0	-	-	<0.00040	<0.00040
Total Xylenes	mg/L	0.07	1.0	-	-	<0.00050	<0.00050
Chlorobenzene	mg/L	0.025	-	-	-	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	-	-	<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 discharged during the monitoring period (October 11 – 17) on October 16.
[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 27G and 27H in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [SB(III)] is 0.27 mg/L and is applied to total antimony results.
[5] The PE-111578 discharge limit for TSS is 25 mg/L under dry conditions and 75 mg/L for each day of Wet Conditions and for one day following the end of Wet Conditions.

Table C-3:
West Catchment 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]	0.0011 - 0.0024 [3,4]
Station	**Water Type**	**Sample ID**	**Lab ID**	**Sampling Date**		
Influent						
SP-W-IN	Influent	SP-W-IN	VA26C7167-001	2026-09-20	0.000090	0.00111
SP-W-IN	Influent	SP-W-IN	VA26C8114-001	2026-09-27	0.000031	0.00065
2700GPM-IN	Influent	W2700-IN	VA26C7167-002	2026-09-20	0.000079	0.00092
2700GPM-IN	Influent	W2700-IN	VA26C8114-002	2026-09-27	0.000026	0.00063
Effluent						
W2700T2-OUT	Effluent	W2700T2-OUT	VA26C7167-003	2026-09-20	0.000066	0.00072
W2700T2-OUT	Effluent	W2700T2-OUT-DUP	VA26C7167-004	2026-09-20	0.000052	0.00074
W2700T1-OUT	Effluent	W2700T1-OUT	VA26C8114-003	2026-09-27	0.000035	<0.00050
W2700T2-OUT	Effluent	W2700T2-OUT	VA26C8114-004	2026-09-27	0.000029	<0.00050

Notes:
West catchment influents presented in the table 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.

Table C-4:
West Catchment Dioxin and Furan Toxicity Equivalency Quantity (TEQ) Results Received at the Time of Reporting.

Parameter					**Lower Bound PCDD/F TEQ**	**Upper Bound PCDD/F TEQ**
Unit					**pg/L**	**pg/L**
Station	**Water Type**	**Sample ID**	**Lab ID**	**Sampling Date**		
Influent						
SP-W-IN	Influent	SP-W-IN	VA26C7171-001	2026-09-20	0.000805	2.27
2700GPM-IN	Influent	W2700-IN	VA26C7171-002	2026-09-20	0	1.75
Effluent						
W2700T2-OUT	Effluent	W2700T2-OUT	VA26C7171-003	2026-09-20	0.0235	1.78
W2700T2-OUT	Effluent	W2700T2-OUT-DUP	VA26C7171-004	2026-09-20	0.0432	2.34

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

Table C-5:
West Catchment Field Measurements Collected During the Monitoring Period (October 11 – 17).

Parameter			**Temperature**	**Dissolved Oxygen (DO)**	**Salinity**	**Turbidity**	**Estimated TSS [3]**	**pH**	**Specific Conductivity**	**Visibility of Sheen**
Unit			**°C**	**mg/L**	**ppt**	**NTU**	**mg/L**	**s.u.**	**µS/cm**	
PE-111578 Discharge Limit			-	-	-	-	25 or 75 [6]	5.5 - 9.0	-	-
Lowest Applicable Guideline [1]			-	≥8	-	-	- [2]	- [2]	-	-
Station ID	**Water Type**	**Date**								
Influent [4]										
SP-W-IN	Influent	2026-10-11 13:07	14.1	10.63	0.17	30.29	25.6	7.4	345	No
SP-W-IN	Influent	2026-10-12 10:55	12.2	10.59	0.17	20.70	18.4	8.2	357	No
SP-W-IN	Influent	2026-10-13 13:10	13.1	11.86	0.17	22.08	19.5	8.7	362	No
SP-W-IN	Influent	2026-10-14 12:11	13.9	10.35	0.17	75.34	59.2	8.6	355	No
SP-W-IN	Influent	2026-10-15 7:51	12.6	10.57	0.21	10.95	11.2	6.6	433	No
SP-W-IN	Influent	2026-10-16 11:35	14.0	10.48	0.26	20.55	18.3	8.2	540	No
SP-W-IN	Influent	2026-10-17 13:08	15.1	10.32	0.20	199.21	151.6	8.0	408	No
2700GPM-IN	Influent	2026-10-11 13:22	13.9	10.24	0.16	86.58	67.6	8	336	No
2700GPM-IN	Influent	2026-10-14 12:15	13.8	10.49	0.15	58.14	46.4	8.7	319	No
2700GPM-IN	Influent	2026-10-15 7:55	12.9	10.60	0.22	51.11	41.1	7.4	447	No
2700GPM-IN	Influent	2026-10-16 11:30	14.1	10.64	0.26	9.48	10.1	7.9	541	No
Effluent [5]										
SP-W-OUT	Effluent	2026-10-16 9:39	13.5	10.37	0.26	2.43	4.8	8.0	538	No

Notes:
West catchment influents 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 Train 1 was discharged to Howe Sound at the authorized discharge location (SP-W-OUT) on October 16. There was no discharge to Howe Sound at SP-W-OUT on October 11 – 15 nor on October 17; therefore, daily field measurements were not collected from station SP-W-OUT 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-6:
West Catchment Daily Discharge Volumes for the Monitoring Period (October 11 – 17).

	West Sedimentation Pond Effluent	**West TSS Settling System (2700GPM) Clarified Effluent (Station 2700GPM-OUT)[3]**	**Water Reclaimed for Construction Purposes (Station 2700GPM-OUT)**	**West WWTP Treated Effluent [1] (Station WWTP-W-OUT)**	**Discharge to Howe Sound (Station SP-W-OUT)**
Unit	**m^3**	**m^3**	**m^3**	**m^3**	**m^3**
PE-111578 Discharge Limit	-	-	-	120	- [2]
Date					
2026-10-11	0	657	0	0	0
2026-10-12	0	0	0	0	0
2026-10-13	0	0	0	0	0
2026-10-14	0	205	0	0	0
2026-10-15	0	1,136	38	0	0
2026-10-16	0	747	9	0	283
2026-10-17	0	0	0	0	0

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: Freshwater Receiving Environment Monitoring Results

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

Parameter	Unit	Lowest Applicable Guideline [1, 2]		Station SW-02	Station SW-07	Station SW-01	Station SW-04
				Mill Creek Lower Reach	Upstream Mill Creek	Woodfibre Creek Lower Reach	East Creek Lower Reach
				SW-02	SW-07	SW-01	SW-04
				VA26C9805-002	VA26C9805-003	VA26C9802-001	VA26C9802-002
		Long Term	Short Term	2026-10-07 8:40	2026-10-07 10:32	2026-10-08 8:50	2026-10-08 9:55
General Parameters							
pH - Field	pH units	6.5 - 9.0	-	7.0	8.0	7.4	6.6
Specific Conductivity - Field	µS/cm	-	-	32	31	14	300
Temperature - Field	°C	-	-	10.8	10.3	11.5	12
Salinity - Field	ppt	-	-	0.01	0.01	0.01	0.14
Turbidity - Field	NTU	-	-	0.97	0.33	0.54	0.42
TSS	mg/L	-	-	<3.0	<3.0	<3.0	<3.0
Dissolved Oxygen - Field	mg/L	>=8	>=5	11.2	11.16	11.14	10.95
Total Hardness	mg/L	-	-	7.28	6.52	3.43	76.1
Dissolved Hardness	mg/L	-	-	7.09	6.37	3.33	75.4
Anions and Nutrients							
Sulphate [2]	mg/L	128-309	-	3.4	3.47	0.41	16.1
Chloride	mg/L	120	600	1.92	1.92	0.83	37
Fluoride [2]	mg/L	0.12	0.400-1.22	<0.020	<0.020	<0.020	***0.358***
Ammonia ($N\text{-}NH_3$) [2]	mg/L	0.343-1.84	5.86-24.3	0.0086	0.0389	<0.0050	0.0135
Nitrite ($N\text{-}NO_2$) [2]	mg/L	0.0200-0.200	0.06-0.6	<0.0010	<0.0010	<0.0010	0.0013
Nitrate ($N\text{-}NO_3$)	mg/L	3	32.8	0.13	0.128	0.0565	0.0602
Total Organic Carbon (TOC)	mg/L	-	-	1.12	1.04	2.41	0.79
Total Inorganic Carbon (DOC)	mg/L	-	-	1.18	1.04	2.47	0.77
Total Metals							
Aluminum, total (T-Al) [2]	mg/L	0.0385-0.141	-	0.0388	0.0345	0.103	***0.0521***
Antimony, total (T-Sb)	mg/L	0.074	-	<0.00010	<0.00010	<0.00010	0.00016
Arsenic, total (T-As)	mg/L	0.005	-	<0.00010	<0.00010	0.00013	0.00051
Barium, total (T-Ba)	mg/L	1	-	0.00458	0.00374	0.00233	0.00742
Beryllium, total (T-Be)	mg/L	0.00013	-	<0.000020	<0.000020	<0.000020	<0.000020
Boron, total (T-B)	mg/L	1.2	29	0.026	0.027	0.012	0.018
Cadmium, total (T-Cd) [2]	mg/L	0.0000364-0.000126	0.000106-0.00159	0.0000072	0.0000098	<0.0000050	<0.0000150
Chromium, total (T-Cr)	mg/L	0.0025	-	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co) [2]	mg/L	0.000778-0.000911	-	<0.00010	<0.00010	<0.00010	<0.00010
Copper, total (T-Cu)	mg/L	-	-	0.00053	<0.00050	<0.00050	<0.00050
Iron, total (T-Fe) [2]	mg/L	0.0420-0.140	1	0.011	<0.010	0.047	0.05
Lead, total (T-Pb)	mg/L	-	-	<0.000050	<0.000050	0.000066	<0.000050
Manganese, total (T-Mn)	mg/L	-	-	0.00055	0.00041	0.0012	0.011
Molybdenum, total (T-Mo)	mg/L	0.073	46	0.000846	0.00062	0.000406	0.0418
Nickel, total (T-Ni) [2]	mg/L	0.0250-0.0602	-	<0.00050	<0.00050	<0.00050	<0.00050
Selenium, total (T-Se)	mg/L	0.001	-	<0.000050	<0.000050	<0.000050	<0.000050
Silver, total (T-Ag)	mg/L	0.00012	-	<0.000010	<0.000010	<0.000010	<0.000010
Thallium, total (T-Tl)	mg/L	0.0008	-	<0.000010	<0.000010	<0.000010	<0.000010
Uranium, total (T-U)	mg/L	0.0085	0.033	0.00013	0.000098	0.000586	0.00133
Vanadium, total (T-V)	mg/L	0.12	-	<0.00050	<0.00050	<0.00050	<0.00050
Zinc, total (T-Zn)	mg/L	-	-	<0.0030	<0.0030	<0.0030	0.0048
Hexavalent Chromium, total	mg/L	0.0025	-	<0.00050	<0.00050	<0.00050	<0.00050
Dissolved Metals							
Cadmium, dissolved (D-Cd) [2]	mg/L	0.0000177-0.000173	0.0000380-0.000444	0.0000066	0.0000099	<0.0000050	<0.0000150
Cobalt, dissolved (D-Co) [2]	mg/L	0.000389-0.000455	-	<0.00010	<0.00010	<0.00010	<0.00010
Copper, dissolved (D-Cu) [2]	mg/L	0.000200-0.000507	0.000200-0.00296	***0.00033***	0.00024	0.00029	<0.00020
Iron, dissolved (D-Fe)	mg/L	-	-	<0.010	<0.010	0.031	<0.010
Lead, dissolved (D-Pb) [2]	mg/L	0.00118-0.00171	-	<0.000050	<0.000050	0.000074	<0.000050
Manganese, dissolved (D-Mn) [2]	mg/L	0.135-0.280	0.985-5.24	0.00034	0.00033	0.0005	0.00953
Nickel, dissolved (D-Ni) [2]	mg/L	0.000600-0.00140	0.00900-0.0127	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	2.5	-	0.0113	0.0107	0.00415	0.0649
Vanadium, dissolved (D-V)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050
Zinc, dissolved (D-Zn) [2]	mg/L	0.00151-0.0128	0.00760-0.0293	0.0018	<0.0010	<0.0010	0.0043
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	mg/L	0.0058	-	<0.000010	<0.000010	<0.000010	<0.000010
Acridine	mg/L	0.003	-	<0.000010	<0.000010	<0.000010	<0.000010
Anthracene	mg/L	0.000012	-	<0.000010	<0.000010	<0.000010	<0.000010
Benz(a)anthracene	mg/L	0.000018	-	<0.000010	<0.000010	<0.000010	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Chrysene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluoranthene	mg/L	0.00004	-	<0.000010	<0.000010	<0.000010	<0.000010
Fluorene	mg/L	0.003	-	<0.000010	<0.000010	<0.000010	<0.000010
1-methylnaphthalene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
2-methylnaphthalene	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010
Naphthalene	mg/L	0.001	0.001	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene	mg/L	0.0003	-	<0.000020	<0.000020	<0.000020	<0.000020
Pyrene	mg/L	0.00002	-	<0.000010	<0.000010	<0.000010	<0.000010
Quinoline	mg/L	0.0034	-	<0.000050	<0.000050	<0.000050	<0.000050
Volatile Organic Compounds (VOCs)							
Benzene	mg/L	0.04	-	<0.00050	<0.00050	<0.00050	<0.00050
Ethylbenzene	mg/L	0.09	-	<0.00050	<0.00050	<0.00050	<0.00050
Methyl-tert-butyl-ether	mg/L	10	3.4	<0.00050	<0.00050	<0.00050	<0.00050
Styrene	mg/L	0.072	-	<0.00050	<0.00050	<0.00050	<0.00050
Toluene	mg/L	0.0005	-	<0.00040	<0.00040	<0.00040	<0.00040
Total Xylenes	mg/L	0.03	-	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene	mg/L	0.0013	-	<0.00050	<0.00050	<0.00050	<0.00050
1,2-Dichlorobenzene	mg/L	0.0007	-	<0.00050	<0.00050	<0.00050	<0.00050

Notes:
Non-detect results are screened using the detection limit value. The lowest applicable guidelines are shown in the table; however, water quality data was screened to all applicable guidelines.
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.

Appendix E: Estuarine Water Receiving Environment Monitoring Results

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

Parameter	Unit	Lowest Applicable Guideline [1]		Station SW-03 Mill Creek Estuary SW-03 VA26C9805-001 2026-10-07 13:04
		Long Term	Short Term	
General Parameters				
pH - Field	pH units	7.0 - 8.7	-	7.8
Specific Conductivity - Field	µS/cm	-	-	25021
Temperature - Field	°C	-	-	12.6
Salinity - Field	ppt	-	-	15.3
Turbidity - Field	NTU	-	-	4.44
TSS	mg/L	-	-	<3
Dissolved Oxygen - Field	mg/L	>=8	-	11.28
Total Hardness	mg/L	-	-	1640
Dissolved Hardness	mg/L	-	-	1530
Anions and Nutrients				
Sulphate	mg/L	-	-	709
Chloride	mg/L	-	-	5410
Fluoride	mg/L	-	1.5	<1.0
Ammonia (N-NH_3)	mg/L	2.2 [2]	15 [2]	0.0189
Nitrite (N-NO_2)	mg/L	-	-	<0.10
Nitrate (N-NO_3)	mg/L	3.7	339	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	0.92
Total Inorganic Carbon (DOC)	mg/L	-	-	1.03
Total Metals				
Aluminum, total (T-Al)	mg/L	-	-	0.13
Antimony, total (T-Sb)	mg/L	-	0.27	<0.0010
Arsenic, total (T-As)	mg/L	0.0125	-	0.00056
Barium, total (T-Ba)	mg/L	-	-	0.0125
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050
Boron, total (T-B)	mg/L	1.2	-	***1.44***
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000027
Chromium, total (T-Cr)	mg/L	-	-	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000119
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00069
Iron, total (T-Fe)	mg/L	-	-	0.175
Lead, total (T-Pb)	mg/L	0.002	0.14	0.00031
Manganese, total (T-Mn)	mg/L	0.1	-	0.0143
Molybdenum, total (T-Mo)	mg/L	-	-	0.0031
Nickel, total (T-Ni)	mg/L	0.0083	-	<0.00050
Selenium, total (T-Se)	mg/L	0.002	-	<0.00050
Silver, total (T-Ag)	mg/L	0.0005	0.0037	<0.00010
Thallium, total (T-Tl)	mg/L	-	-	<0.000050
Uranium, total (T-U)	mg/L	-	-	0.00084
Vanadium, total (T-V)	mg/L	0.005	-	0.00101
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150
Dissolved Metals				
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000021
Cobalt, dissolved (D-Co)	mg/L	-	-	0.000063
Copper, dissolved (D-Cu)	mg/L	-	-	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.01
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	1.65
Vanadium, dissolved (D-V)	mg/L	-	-	0.00067
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)				
Acenaphthene	mg/L	0.006	-	<0.000010
Acridine	mg/L	-	-	<0.000010
Anthracene	mg/L	-	-	<0.000010
Benz(a)anthracene	mg/L	-	-	<0.000010
Benzo(a)pyrene	mg/L	0.00001	-	<0.0000050
Chrysene	mg/L	0.0001	-	<0.000010
Fluoranthene	mg/L	-	-	<0.000010
Fluorene	mg/L	0.012	-	<0.000010
1-methylnaphthalene	mg/L	-	-	<0.000010
2-methylnaphthalene	mg/L	-	-	<0.000010
Naphthalene	mg/L	0.001	-	<0.000050
Phenanthrene	mg/L	-	-	<0.000020
Pyrene	mg/L	-	-	<0.000010
Quinoline	mg/L	-	-	<0.000050
Volatile Organic Compounds (VOCs)				
Benzene	mg/L	0.59	-	<0.00050
Ethylbenzene	mg/L	0.07	-	<0.00050
Methyl-tert-butyl-ether	mg/L	5	0.44	<0.00050
Styrene	mg/L	-	-	<0.00050
Toluene	mg/L	0.03	-	<0.00040
Total Xylenes	mg/L	0.07	-	<0.00050
Chlorobenzene	mg/L	0.025	-	<0.00050
1,2-Dichlorobenzene	mg/L	0.042	-	<0.00050

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

Appendix F: Marine Water Receiving Environment Monitoring Results

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

Parameter	Unit	Lowest Applicable Guideline [1]		Station IDZ-W1	Station IDZ-W1	Station IDZ-W1	Station IDZ-W2	Station IDZ-W2	Station IDZ-W2
				0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor	0.5 m Below Surface	2 m Below Surface	2 m Above Seafloor
				IDZ-W1-0.5	IDZ-W1-2m	IDZ-W1-SF	IDZ-W2-0.5	IDZ-W2-2m	IDZ-W2-SF
				VA26C7358-001	VA26C7358-002	VA26C7358-003	VA26C7358-004	VA26C7358-005	VA26C7358-006
		Long Term	Short Term	2026-09-21 11:04	2026-09-21 11:06	2026-09-21 11:15	2026-09-21 12:45	2026-09-21 12:47	2026-09-21 13:02
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	7.86	7.73	7.39	7.8	7.72	7.4
Specific Conductivity - Field	µS/cm	-	-	20115	39409	51987	28123	43938	51921
Temperature - Field	℃	-	-	13.8	13.4	9.6	14	13.6	11.1
Salinity - Field	ppt	Narrative [2]	-	12.05	25.13	33.94	17.35	28.34	34.01
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	6.98	3.48	2.07	4.96	2.51	2.79
TSS	mg/L	Narrative [2]	Narrative [2]	2.4	2.0	<2.0	<2.0	3	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	10.03	***7.98***	***4.34***	9.39	***7.96***	***5.43***
Total Hardness	mg/L	-	-	1830	4040	6250	3370	3340	6030
Dissolved Hardness	mg/L	-	-	2260	1430	5900	2320	4840	5720
Anions and Nutrients									
Sulphate	mg/L	-	-	875	1650	2340	1430	1220	2360
Chloride	mg/L	-	-	6360	11900	16800	10300	8750	16800
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	1.4-8.7 [3]	9.4-58 [3]	0.0106	<0.0050	<0.0050	0.0065	<0.0050	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate (N-NO_3)	mg/L	3.7	339	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	0.92	1.25	1.12	1.12	1.17	1.08
Dissolved Organic Carbon (DOC)	mg/L	-	-	1.11	1.44	1.39	1.15	1.51	1.29
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	0.154	0.0488	0.022	0.0716	0.0944	0.0329
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	-	0.00059	0.00111	0.00146	0.00096	0.0009	0.00143
Barium, total (T-Ba)	mg/L	-	-	0.0119	0.0108	0.0098	0.011	0.0112	0.0098
Beryllium, total (T-Be)	mg/L	0.1	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron, total (T-B)	mg/L	1.2	-	1.13	***2.15***	***2.63***	***1.77***	***1.84***	***2.63***
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000026	0.000067	0.000084	0.000047	0.000039	0.000076
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000126	0.00009	0.000093	0.000096	0.000102	0.00011
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00107	0.00074	0.00056	0.00106	0.001	0.00056
Iron, total (T-Fe)	mg/L	-	-	0.16	0.048	0.025	0.071	0.099	0.036
Lead, total (T-Pb)	mg/L	0.002	0.14	0.00012	<0.00010	<0.00010	<0.00010	0.00074	<0.00010
Manganese, total (T-Mn)	mg/L	0.1	-	0.011	0.00666	0.00447	0.00758	0.00865	0.00574
Molybdenum, total (T-Mo)	mg/L	-	-	0.0038	0.00717	0.00984	0.00638	0.00553	0.00947
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	-	-	0.000977	0.00186	0.00258	0.00158	0.00146	0.00256
Vanadium, total (T-V)	mg/L	0.005	-	0.00117	0.00124	0.00159	0.00122	0.00127	0.00153
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals									
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000031	0.000022	0.000076	0.000038	0.000049	0.000076
Cobalt, dissolved (D-Co)	mg/L	-	-	0.000063	<0.000050	0.000091	0.000058	0.000087	0.000084
Copper, dissolved (D-Cu)	mg/L	-	-	0.00094	0.00107	0.00059	0.0009	0.00073	0.00072
Iron, dissolved (D-Fe)	mg/L	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00655	0.00554	0.0042	0.00588	0.00422	0.0035
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	2.8	1.81	6.71	2.95	5.17	6.65
Vanadium, dissolved (D-V)	mg/L	-	-	0.00083	0.00061	0.00143	0.00086	0.00127	0.00148
Zinc, dissolved (D-Zn)	mg/L	-	-	0.0037	0.0021	<0.0010	0.001	<0.0010	<0.0010
Polycyclic Aromatic Hydrocarbons (PAHs)									
Acenaphthene	mg/L	0.006	-	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
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 not discharging, therefore the short-term turbidity and TSS WQGs were not evaluated.
[3] The approved total ammonia nitrogen BC WQG is salinity, pH and temperature dependent; see Tables 26G and 26H in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [Sb(III)] is 0.27 mg/L and is applied to total antimony results.

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

Parameter	Unit	Lowest Applicable Guideline [1]		Reference Station WQR2	Reference Station WQR2	Reference Station WQR2	Reference Station WQR1	Reference Station WQR1	Reference Station WQR1
				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
				WQR2-0.5	WQR2-2m	WQR2-SF	WQR1-0.5	WQR1-2m	WQR1-SF
				VA26C7358-007	VA26C7358-008	VA26C7358-009	VA26C7384-001	VA26C7384-002	VA26C7384-003
		Long Term	Short Term	2026-09-21 8:53	2026-09-21 8:52	2026-09-21 8:47	2026-09-22 8:28	2026-09-22 8:27	2026-09-22 8:24
General Parameters									
pH - Field	pH units	7.0 - 8.7	-	7.92	7.99	7.39	7.95	7.84	7.35
Specific Conductivity - Field	µS/cm	-	-	16553	17224	50099	177647	29144	51334
Temperature - Field	℃	-	-	13	13.1	11.3	13.3	14.8	10.2
Salinity - Field	ppt	Narrative [2]	-	9.75	10.18	32.69	10.45	18.05	33.51
Turbidity - Field	NTU	Narrative [2]	Narrative [2]	9.72	9.43	2.19	8.94	3.45	1.95
TSS	mg/L	Narrative [2]	Narrative [2]	5.7	6.2	<2.0	13.7	10	<2.0
Dissolved Oxygen - Field	mg/L	>=8	-	9.96	9.33	***4.68***	9.73	8.16	***4.94***
Total Hardness	mg/L	-	-	1420	1410	5820	1360	1930	5890
Dissolved Hardness	mg/L	-	-	1380	1480	5460	1500	2070	5860
Anions and Nutrients									
Sulphate	mg/L	-	-	672	640	2230	695	877	2280
Chloride	mg/L	-	-	4950	4670	16100	5040	6500	16300
Fluoride	mg/L	-	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ammonia (N-NH_3)	mg/L	1.4-5.9 [3]	9.4-40 [3]	0.0051	0.0059	<0.0050	0.0091	<0.0050	<0.0050
Nitrite (N-NO_2)	mg/L	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate (N-NO_3)	mg/L	3.7	339	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Organic Carbon (TOC)	mg/L	-	-	0.81	0.81	1.23	0.7	0.81	1.17
Dissolved Organic Carbon (DOC)	mg/L	-	-	0.81	0.88	1.39	0.88	0.76	1.47
Total Metals									
Aluminum, total (T-Al)	mg/L	-	-	0.217	0.258	0.0131	0.258	0.208	0.0224
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	-	0.00052	0.00046	0.00143	0.00055	0.00064	0.00151
Barium, total (T-Ba)	mg/L	-	-	0.0129	0.0132	0.0096	0.0136	0.0125	0.01
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	-	0.93	0.91	***2.56***	1.02	***1.32***	***2.84***
Cadmium, total (T-Cd)	mg/L	0.00012	-	0.000027	0.000026	0.000061	0.000022	0.000033	0.000076
Chromium, total (T-Cr)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt, total (T-Co)	mg/L	-	-	0.000159	0.000168	0.000091	0.000161	0.000146	0.000092
Copper, total (T-Cu)	mg/L	0.002	0.003	0.00078	0.00083	<0.00050	0.00079	0.00074	<0.00050
Iron, total (T-Fe)	mg/L	-	-	0.228	0.264	0.013	0.256	0.197	0.02
Lead, total (T-Pb)	mg/L	0.002	0.14	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, total (T-Mn)	mg/L	0.1	-	0.0148	0.0157	0.00399	0.0146	0.0127	0.00384
Molybdenum, total (T-Mo)	mg/L	-	-	0.00291	0.00309	0.00956	0.00325	0.00406	0.00971
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	-	-	0.000778	0.000788	0.00248	0.00083	0.00103	0.0026
Vanadium, total (T-V)	mg/L	0.005	-	0.00122	0.00131	0.00145	0.00127	0.00124	0.00155
Zinc, total (T-Zn)	mg/L	0.01	0.055	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Hexavalent Chromium, total	mg/L	0.0015	-	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150	<0.00150
Dissolved Metals									
Cadmium, dissolved (D-Cd)	mg/L	-	-	0.000023	0.000027	0.000092	0.000022	0.000038	0.000078
Cobalt, dissolved (D-Co)	mg/L	-	-	0.000051	0.00006	0.000084	0.000062	0.000075	0.000089
Copper, dissolved (D-Cu)	mg/L	-	-	<0.00050	0.00051	<0.00050	<0.00050	<0.00050	<0.00050
Iron, dissolved (D-Fe)	mg/L	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead, dissolved (D-Pb)	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Manganese, dissolved (D-Mn)	mg/L	-	-	0.00901	0.00939	0.00391	0.00833	0.00717	0.00217
Nickel, dissolved (D-Ni)	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Strontium, dissolved (D-Sr)	mg/L	-	-	1.84	1.99	6.5	2.02	2.72	6.78
Vanadium, dissolved (D-V)	mg/L	-	-	0.00071	0.0007	0.00147	0.0007	0.00078	0.00152
Zinc, dissolved (D-Zn)	mg/L	-	-	<0.0010	<0.0010	<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	<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 26G and 26H in BC WQG guidance document.
[4] The working BC WQG for trivalent antimony [Sb(III)] is 0.27 mg/L and is applied to total antimony results.

Table F-3:
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]	0.016 [3,4]
Station	**Position in Water Column**	**Sample ID**	**Lab ID**	**Sampling Date**		
Reference Station WQR1						
WQR1	0.5 m Below Surface	WQR1-0.5	VA26C7384-001	2026-09-22	0.000021	<0.0050
WQR1	2 m Below Surface	WQR1-2m	VA26C7384-002	2026-09-22	0.000022	<0.0050
WQR1	2 m Above Seafloor	WQR1-SF	VA26C7384-003	2026-09-22	0.000020	<0.0050

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

Table F-4:
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	VA26C7359-001	2026-09-21	0	1.07
IDZ-W1	2 m Below Surface	IDZ-W1-2m	VA26C7359-002	2026-09-21	0	1.24
IDZ-W1	2 m Above Seafloor	IDZ-W1-SF	VA26C7359-003	2026-09-21	0	1.23
Station IDZ-W2						
IDZ-W2	0.5 m Below Surface	IDZ-W2-0.5	VA26C7359-004	2026-09-21	0	1.32
IDZ-W2	2 m Below Surface	IDZ-W2-2m	VA26C7359-005	2026-09-21	0.0317	1.28
IDZ-W2	2 m Above Seafloor	IDZ-W2-SF	VA26C7359-006	2026-09-21	0	1.36
Reference Station WQR2						
WQR2	0.5 m Below Surface	WQR2-0.5	VA26C7359-007	2026-09-21	0.00765	1.19
WQR2	2 m Below Surface	WQR2-2m	VA26C7359-008	2026-09-21	0	1.36
WQR2	2 m Above Seafloor	WQR2-SF	VA26C7359-009	2026-09-21	0	1.50

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.