

An aerial photograph of the Musqueam Foreshore Restoration Project site. The image shows a large, cleared, light-brown area adjacent to the Fraser River. To the right of this area is a green golf course with several green fairways and trees. Above the cleared area, there are several buildings, including a large one labeled 'Musqueam Administration'. The Fraser River is visible at the bottom of the image, with some wooden pilings or debris in the water.

Musqueam Foreshore Restoration Project Community Information Session

June 5, 2024



Musqueam – Vancouver Fraser Port Authority Relationship Agreement

- Musqueam and VFPA have identified the foreshore area as a restoration opportunity through the Relationship agreement.
- A working group was struck to discuss the budget and workplan.
- Scope of the project is subject to many considerations. Including: permits, approvals, environmental factors, etc.
- VFPA has committed up to \$2.2M in support of this restoration.



Relationship Agreement Committee

Musqueam

- Councillor Jordan Point
- Councillor Rosalind Campbell
- Councillor Nolan Charles (alternate)

Vancouver Fraser Port Authority

- Erin Harlos, Director, Community Government Relations
- Dianne Sparrow, Indigenous Relations Manager



Foreshore Restoration Project Working Group

Musqueam (current members)

- Wade Grant, Intergovernmental Affairs Officer
- Sarah Skapski, Acting Environmental Stewardship Manager
- Norm Point, Public Works Manager
- Richard Hall, Lands Governance Director
- Kim Guerin, Lands Governance Officer
- Tecla Van Bussel, Community Planner
- Kody Huard, Archaeological Field Director
- Lawrence Guerin, Fisheries Officer



Foreshore Restoration Project Working Group (continued)

Vancouver Fraser Port Authority

- Tony Meysen, Construction Project Coordinator
- Dianne Sparrow, Indigenous Relations Manager
- Lindsay Gibson, Musqueam Relationship Advisor

CORE – Project Management

- Cormac Linehan, Project Director
- Negin Kerdar, Jr. Project Manager

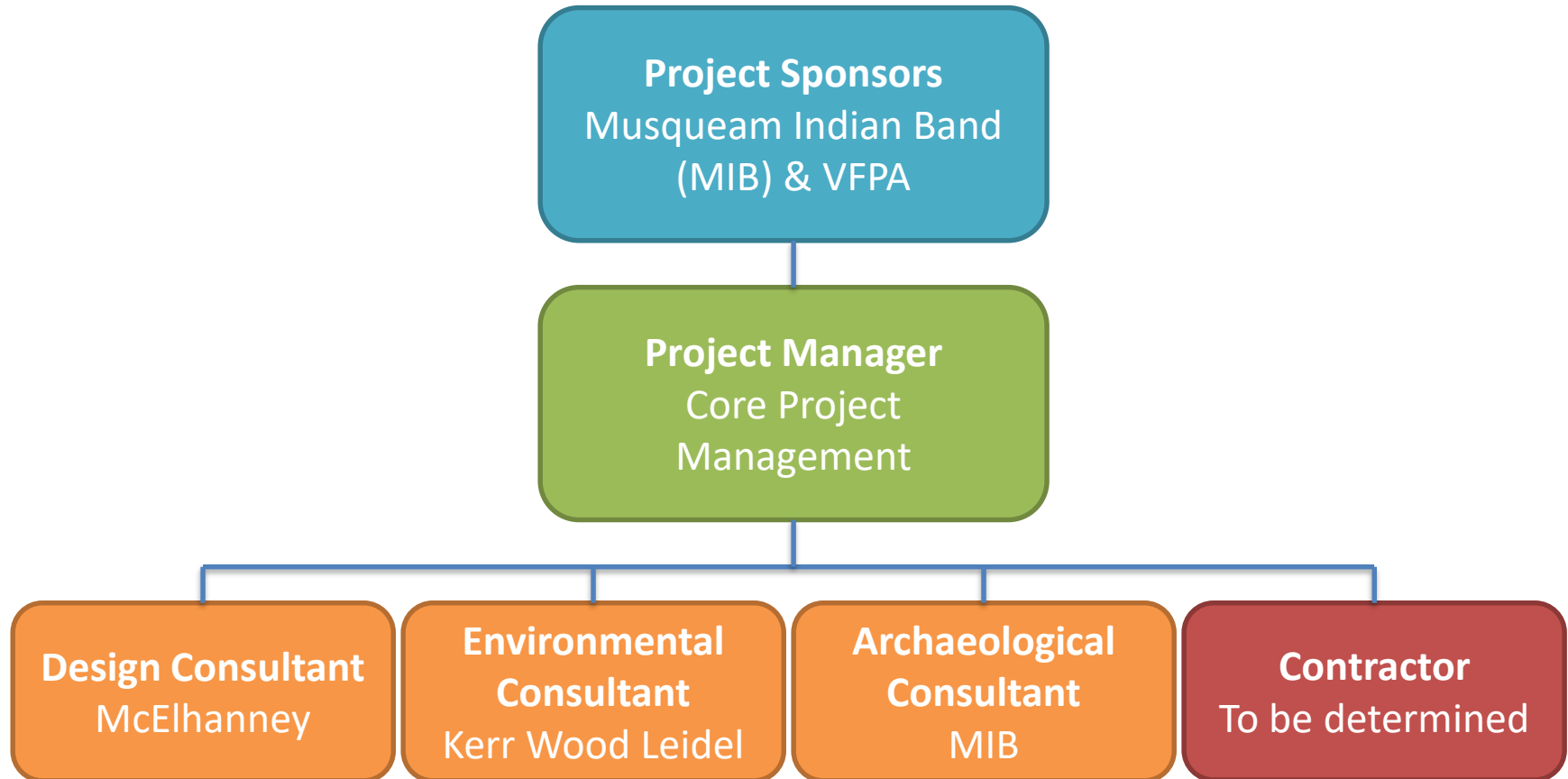


Project Location – Musqueam Foreshore





Project Team





Project Scope

There are two major components to the project:

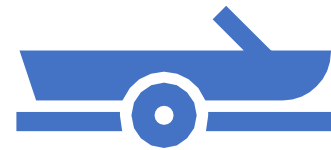
Foreshore restoration



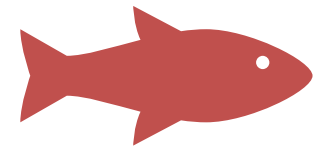
Much of existing foreshore is comprised of debris and broken concrete, facing risks from both coastal and river threats.



Project objective is to restore the shoreline to enhance bank protection and revive the Fraser River foreshore.



Extent of the restoration work is between existing boat launch and Metro Vancouver Diversion Chamber.



Aquatic and riparian habitat enhancements will be made in Musqueam Creek.

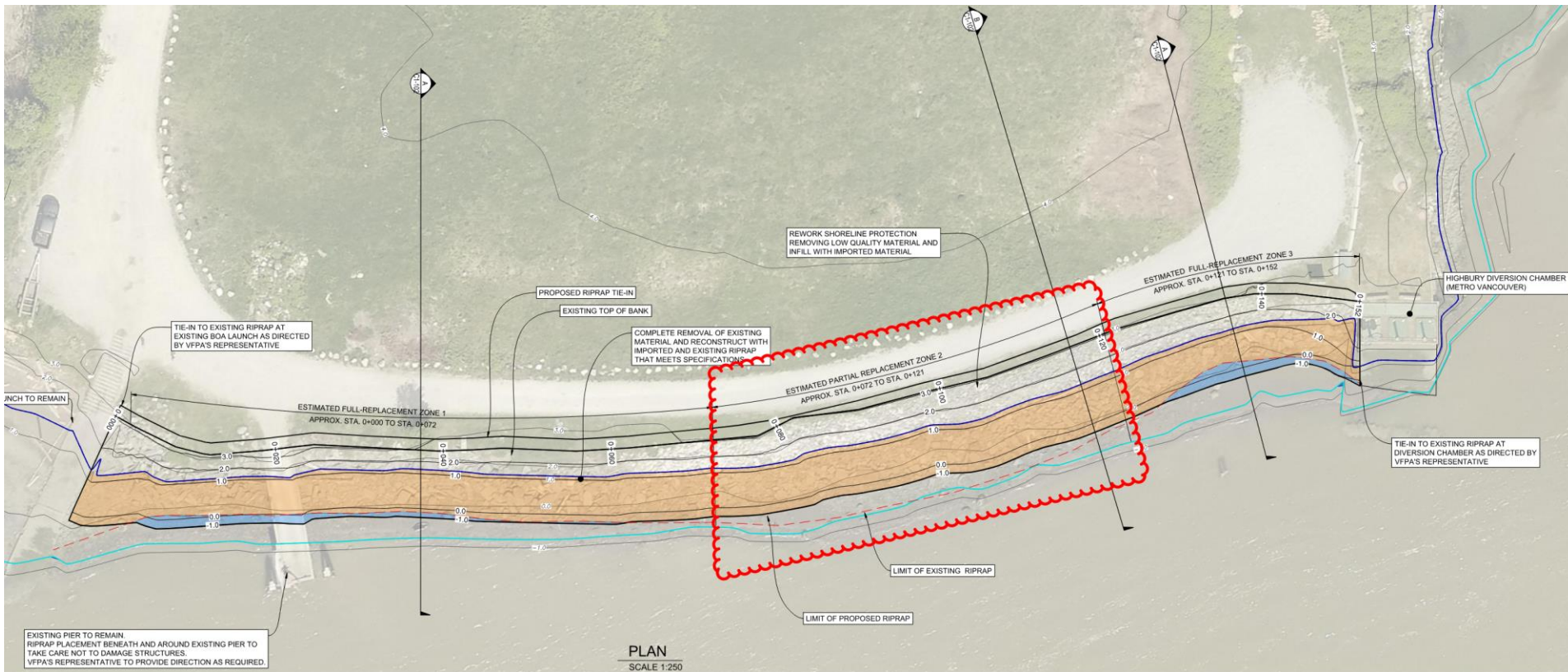


Foreshore Restoration





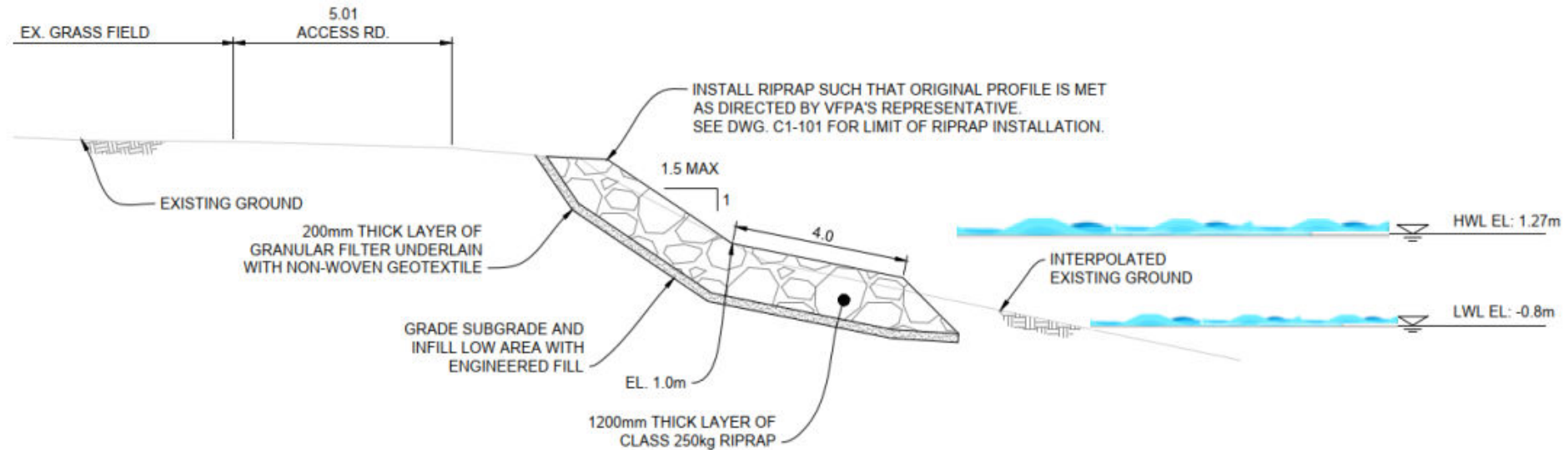
Foreshore Restoration



Approximately 150m of foreshore to be restored between existing boat launch and Metro Vancouver Diversion Chamber.



Foreshore Restoration



SECTION A: FULL REPLACEMENT ZONES 1 AND 3

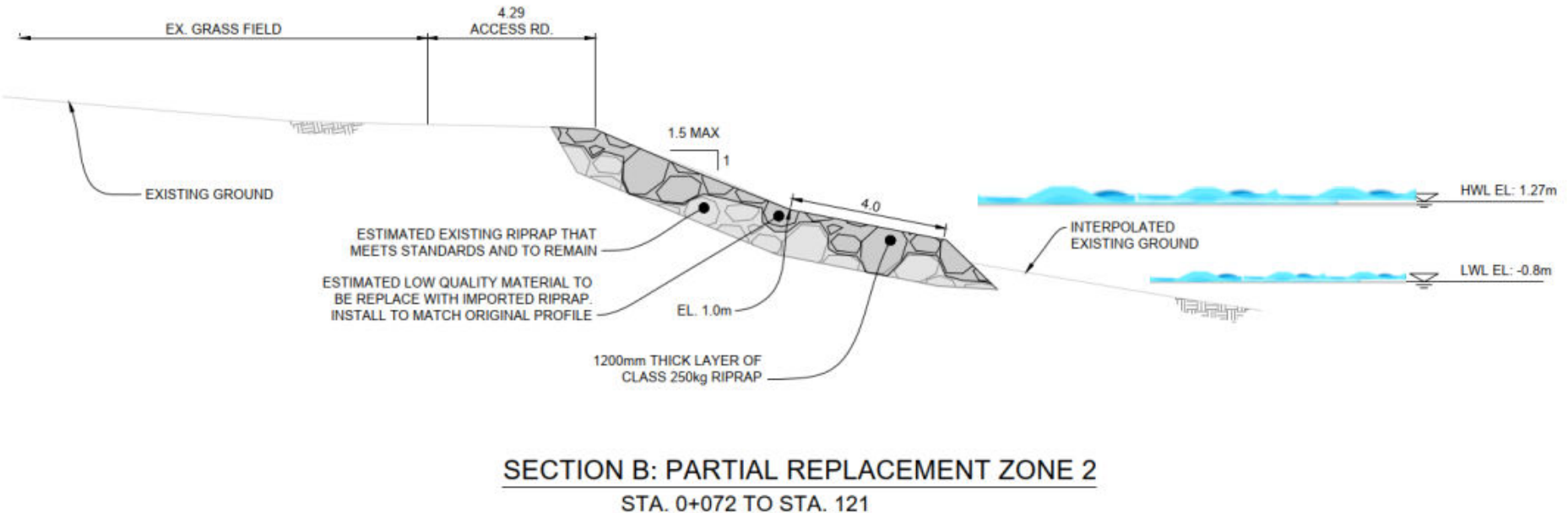
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Majority of the work will include **full replacement** of existing concrete debris with engineered rip rap erosion protection.



Foreshore Restoration



Partial areas of the existing foreshore are in better condition, with existing rip rap meeting required standards. A more refined approach will be taken here to **replace low quality material as encountered.**



Foreshore Restoration



Rip rap material to be installed as erosion protection

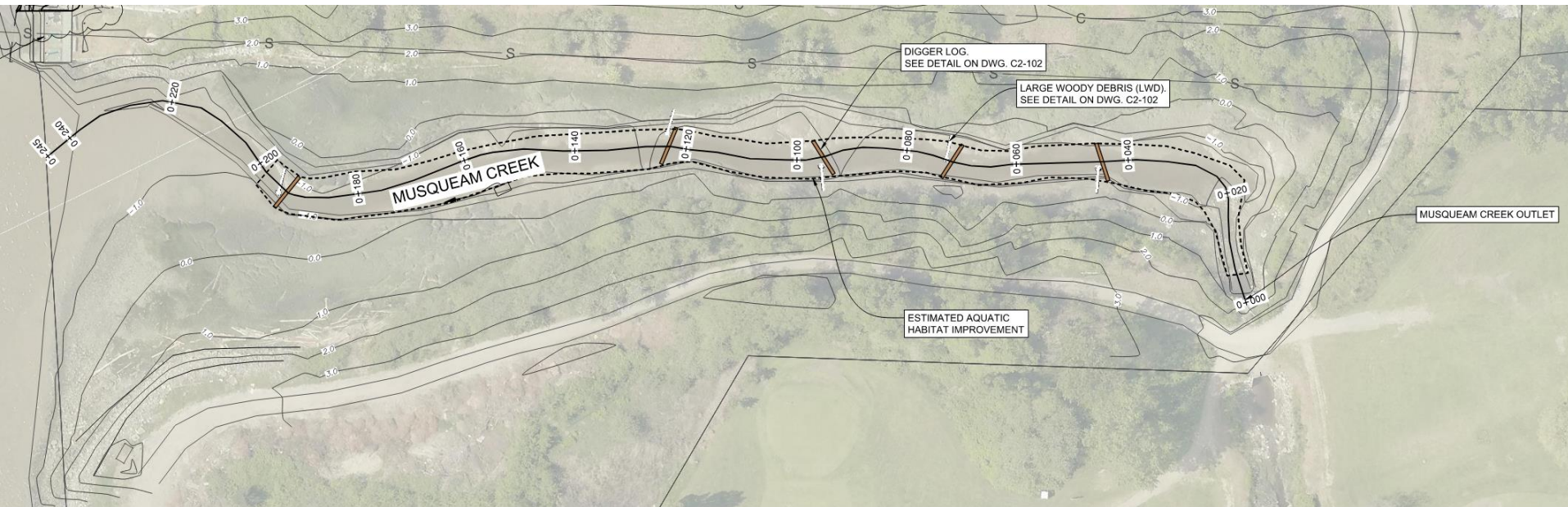


Creek Enhancements



Creek Enhancements

North →



Enhancements will include a series of log structures as an alternative to the rock weirs – known as ‘Digger Logs’.



Creek Enhancements

The rationale for using wood structures is that it has an added benefit of a downstream pool and represents a softer approach for the enhancement and closely emulates a natural marsh channel where large boulders are absent.

This type of enhancement also minimizes the impact on the creek and surrounding marsh during construction.





Project Timeline and Next Steps

August 8, 2023: Heritage Conservation Act (BC) application submitted by Musqueam

November 8, 2023: Key environmental permits to DFO & MOF were submitted

December 11, 2023: Request for Review application to DFO (Canada) was approved

April 2, 2024: Permit application to Metro Vancouver submitted

April 3, 2024: Consultants completed the final design documentation

May 5, 2024: Water Sustainability Act permit (BC) was approved

We are here: Construction tender process underway

June 2024: Musqueam Development Permit will be submitted and reviewed by Musqueam Lands Committee

July 2024: Anticipated start of environmental restoration construction works

July 1 to September 30, 2024: Musqueam Creek freshwater timing window – Creek enhancement works need to be completed within this time

July 16, 2024, to Feb 28, 2025: Marine fish timing window – Foreshore restoration works need to be completed within this time

End of 2024: Targeted project completion (dependent on the permit applications)



QUESTIONS?