



WEST BAMFIELD SUBMARINE WATERMAIN PROJECT UPDATE – AUGUST 13, 2024

ALBERNI CLAYOQUOT REGIONAL DISTRICT



PROGRESS TO DATE

- Field investigations completed.
 - Bathymetry/ Topographic Survey
 - Environmental Assessment
 - Seabed Sonar
 - Submersible ROV and Drone footage
- Preliminary design completed.
- Discussions with permitting agencies and permitting applications underway.
- Indigenous consultation underway (Letter of Support received).



Environmental Field Investigation – West Landfall

PERMITTING SUMMARY

- Marine pipelines undergo a permitting intensive process.
- This particular project will require permits/ approvals through:
 - Ministry of Transportation and Infrastructure (MOTI)
 - Transport Canada (TC)
 - Department of Fisheries and Oceans (DFO)
 - Island Health/ Vancouver Island Health Authority (VH/VIHA)
 - Federal Impacts Assessment Agency (IAA)

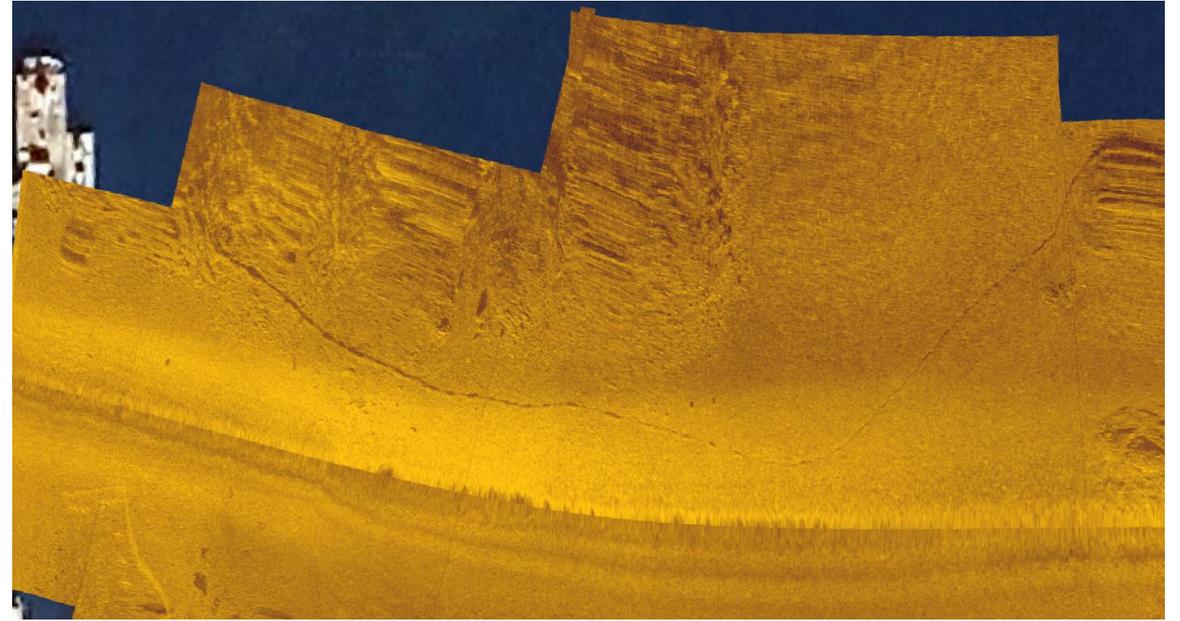
There are environmentally significant constraints in the project area which are anticipated to contribute to enhanced permitting requirements, and likely compensation requirements.



Eelgrass at the western portion of Bamfield Inlet

DESIGN SUMMARY

- New pipeline will be installed in the same general alignment as the existing pipeline, following an existing tenure over crown seabed.
- Pipeline will be a larger diameter pipeline incorporating modern and more robust engineered materials than the existing pipeline.
- Improved burial/ protection will be incorporated.
- Chambers for isolation, testing, and metering will be incorporated on both sides of the crossing.



Sonar scan of the existing pipeline and Bamfield Inlet seabed

CONSTRUCTION OVERVIEW

- Pipeline likely to be installed using a conventional “float and sink” approach. Marine navigation will be maintained in Bamfield Inlet during construction, with a brief interruption (envisaged to be a few hours) on the day the pipeline is sunk.
- New pipeline will connect to existing watermain within Nuthatch Road and at Mills Landing.
- The nature of construction is most conducive to the lowest tides of the year. Ideal construction timing would be June/July 2025, however Bamfield’s tidal characteristics may allow for some timing flexibility.



Conventional floating pipeline prior to sinking, on a project of similar scope in Coastal BC.

NEXT STEPS

- Ongoing design and permitting progression.
- Contractor input will be obtained at approximately 60% design milestone to realize efficiencies in final design.
- Construction target by Summer 2025.