



Joint Utility Board Sewage Treatment Plant Outfall Relocation Project: Project Update

Presentation for:

Cowichan Valley Regional District
Electoral Area Services Committee

By:

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Presentation Outline

- Update on project, including outfall location and proposed pipe routes
- Update on continued First Nations consultations
- Provide information on stakeholder and public engagement processes

Update

3

- 2015 consultations identified outfall site in Cowichan Bay (green triangle)
- 2018 – 2020 consultations established new outfall location (red dot) based on:
 - Scientific studies (Stage 2 EIS Outfall Report)
 - Indigenous knowledge
 - Consultations with local First Nations (ongoing)
- Ministry of Environment and Climate Change now consulting with First Nations; CSLWMP amendment approval should follow
- Receiving Environment Monitoring Program (REMP) designed; pre-discharge monitoring underway



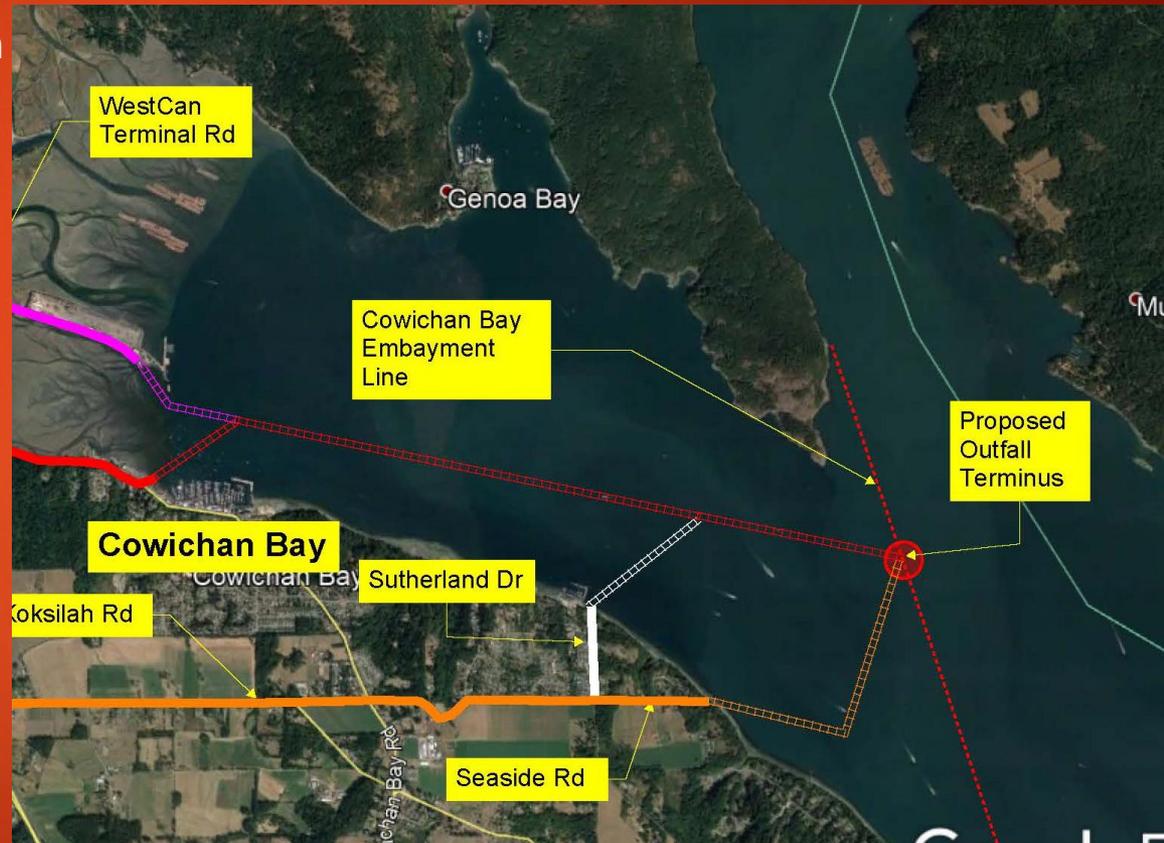
Next Steps: Determine routing for pipe from treatment plant to outfall

- Marine routing:
 - Options based on scientific study (Stage 2 EIS Marine Pipeline Route)
 - Four routes studied
 - Preference for pipe to lay on seabed
- Land routing:
 - 2 major options with variations
 - Pipe underground mostly in road rights-of-way
- In process of hiring design consultants – multiple studies yet to take place

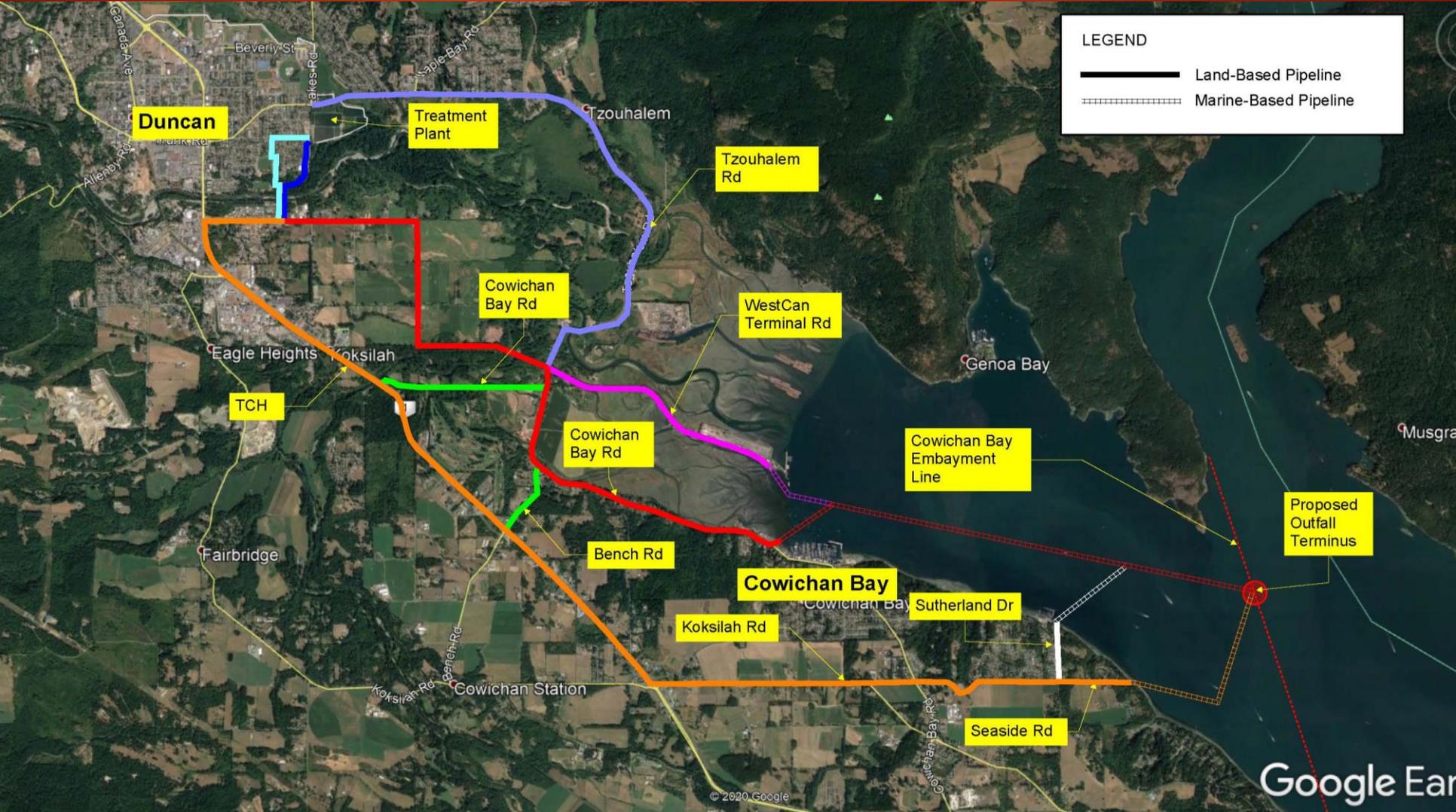


Next Steps: Marine pipeline options

- Four options studied
 - Westcan Terminal Road
 - Hecate Park boat launch
 - Sutherland Drive
 - Seaside Road
- Full report (Stage 2 EIS Marine Pipeline Route) available on project website



Next Steps: Terrestrial pipeline options



Next Steps: Pipe Routing

- Need to study further:
 - Engineering constraints
 - Environmental and archeological assessments
 - Cost
- Will look for co-benefits
 - Working closely with Cowichan Tribes

Next Steps: Engagement and consultation

- COVID- safe approaches
- Ongoing consultation with local **First Nations**
- Ongoing **stakeholder** engagement through online meetings, emails
- Notification to MPs and MLAs
- **Public engagement** will take place mid-November to end of January 2021

PROJECT UPDATE #3: Joint Utilities Board Outfall Relocation Project
April 2020

Outfall Relocation
Treated effluent from the Joint Utilities Board Sewage Treatment Plant near Duncan is currently discharged into the Cowichan River. From here it flows down the river and through the ecologically sensitive Cowichan Estuary into Cowichan Bay. This project will relocate the outfall from the river to a deep-water site in Satellite Channel (see Map 1). This new outfall will send the treated effluent to a discharge location with considerably more dilution.

Have Your Say
Consultations with local First Nations, the public and stakeholder groups will seek feedback on preferred land and marine routes. For more information see page 3.

Proposed Outfall Location
The proposed outfall location was identified following scientific studies, consideration of traditional ecological knowledge, and consultations with local First Nations. This location has now been submitted to the Province for approval. Information on the Stage 2 Environmental Impact Study (EIS) (Outfall Terminus) is provided in **Project Update #2** (May 2019); the Executive Summary and full report can be downloaded from the [project website](#).
A Receiving Environment Monitoring Program (REMP) has also been prepared (see page 4 of this Update), showing how pre- and post-discharge monitoring will take place.

Proposed Pipeline Routing
Work is now underway to determine the preferred route for the pipe that will carry effluent from the treatment plant to the new outfall. Several routes are under consideration, each with a land-based component (pipe buried in the ground) and a marine component (pipe resting on the seabed). Additional work is required to identify a preferred route:
• Environmental impacts of land options
• Archaeological and cultural studies
• Additional consultation with local First Nations
• Engagement with stakeholder groups and the public
• Assessments of the relative cost and feasibility
• Engineering and design considerations

Map 1: Proposed Outfall Location

Routing decision

No decisions have been made with respect to the routing, and additional options may emerge as the project moves forward. Page 2 of this Update includes more information on marine routing options; page 3 has information on possible land routes.

If you would like to be kept informed, please subscribe to updates at www.northcowichan.ca/subscribe

Public Engagement

Information out:

- Website: www.northcowichan.ca/jub
- Video: “online open house”
- Advertising (media and social media)
- Information on PlaceSpeak
- **Mailer to Cowichan Bay area (TBD)**

Feedback provided by:

- Discussion on PlaceSpeak
- Emails and mail



- Links and information on how to engage
- All reports available
- Frequently asked questions

The screenshot shows a webpage with the following content:

Joint Utility Board Sewage Treatment Plant Outfall Relocation Project

1. Background

The Joint Utility Board Sewage Treatment Plant is a hybrid secondary/tertiary treatment plant that treats wastewater from North Cowichan, Duncan, Cowichan Bay, Eagle Heights and Cowichan Tribes. The Plant is located on Cowichan Tribes' lands near Duncan. The Plant is operated by the District of North Cowichan and discharges highly treated effluent into the Cowichan River. The Outfall Project proposes to relocate the outfall to a new location in Satellite Channel.

The current outfall more than meets provincial standards, but there are several reasons to relocate the outfall to Satellite Channel:

- The treatment plant is on land leased from Cowichan Tribes. The lease

On the right side of the page, there is a 'Related Links' section with the following links:

- [Climate Action and Energy Plan](#)
- [Curbside Collection](#)
- [Utilities](#)

Below the links is a 'Spotlight' section featuring a speech bubble icon and the text 'We're listening' over a background image of a building.

Questions? Comments?

