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Vancouver Fraser
Port Authority

Roberts Bank Terminal 2: Environmental assessment

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Agenda

- Project overview
- Environmental assessment
- Consultation and engagement, ongoing work, and next steps
- Q&A



Project overview

Proposed Roberts Bank Terminal 2 Project

- Proposed three-berth container terminal at Roberts Bank in Delta, B.C.
- Proposed location is the most environmentally sound option
- Increase gateway container capacity by 33%
- Target completion: early-2030s



A thorough, rigorous environmental assessment

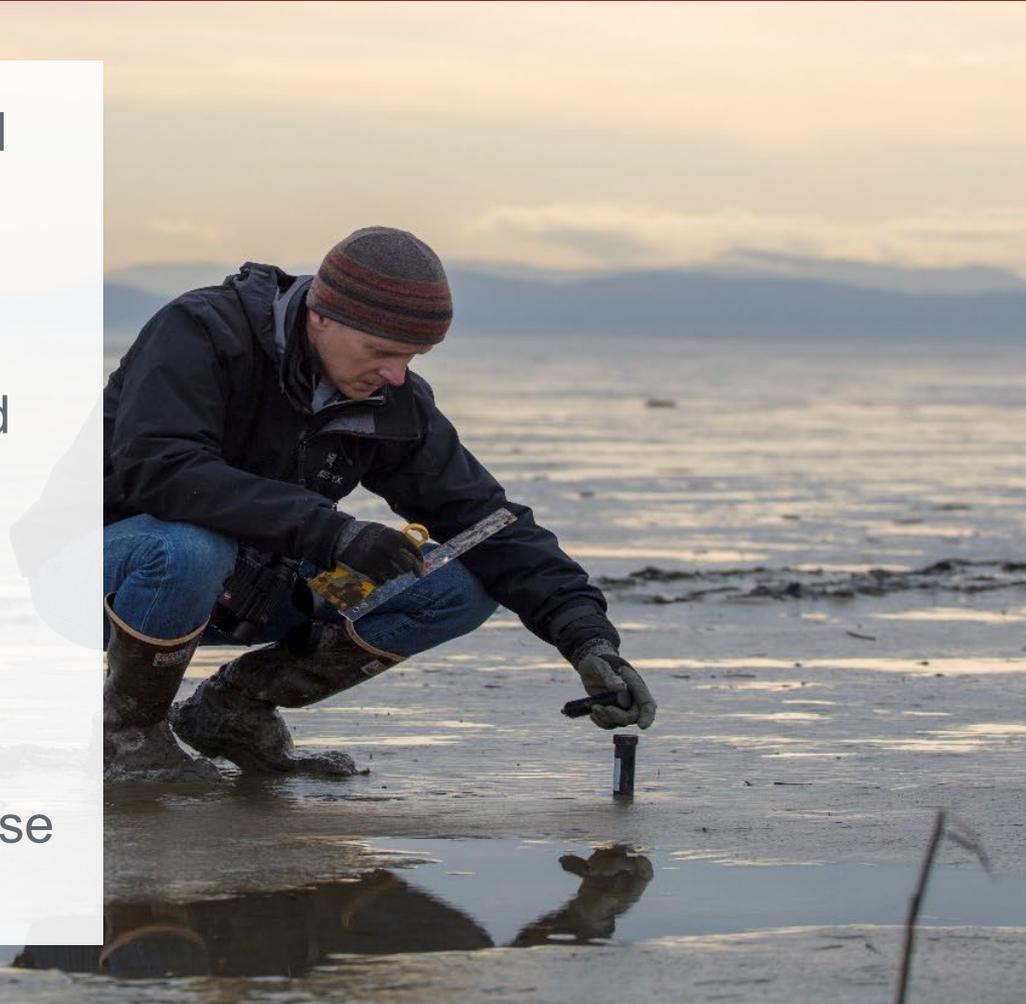


We are here



Information request

- More than a year of additional technical work, consultation with Indigenous groups, and engagement with regulators
- New information on enhanced measures to protect key species like juvenile salmon and southern resident killer whales, project benefits, and our offsetting plan
- We plan to submit our response to government shortly



Environmental assessment

Environmental work



Our approach has been informed by:

- Robust environmental assessment, which included an independent review panel
- Feedback on proposed mitigation measures from Indigenous groups and regulators
- Extensive knowledge and understanding of Roberts Bank

Juvenile salmon

Examples of how we would reduce project-related effects:

- Terminal placement and footprint reductions, avoid in-water construction in the intertidal zone when juvenile salmon are present, environmental management plans
- Onsite and offsite fish habitat offsetting
- Follow-up program to monitor effectiveness of offsetting habitats

Southern resident killer whales



Examples of how we would reduce project-related effects:

- Avoid noisy construction activities during peak period, apply exclusion zones and robust detection methods
- Delay daytime unberthing of container vessels when SRKW are present
- Follow-up program
- Establish \$30M prey availability fund for projects that increase Chinook abundance for SRKW

Western sandpiper and biofilm



Examples of how we would reduce project-related effects and further work:

- Over 20 biofilm and shorebird studies
- Placing the terminal in deep waters and minimizing the width of the causeway, terminal footprint reductions
- Biofilm habitat creation guidance manual
- Biofilm habitat creation project
- Remote sensing technology trial
- Follow-up program

Offsetting plan: 86 hectares of proposed habitat



Offsetting example: Tilbury Island Peninsula Enhancement



Location



Plan view

Follow-up program, monitoring, and oversight

Follow-up program: 24 elements

Current Use of Lands and Resources for Traditional Purposes

- Current Use (including Intangible Cultural Heritage) Mitigation Effectiveness and Effects Verification

Marine Invertebrates

- Juvenile Crab Nursery Habitat
- Orange Sea Pen Transplantation Effectiveness

Roberts Bank Ecosystem Model

- Roberts Bank Ecosystem Model Marine Vegetation Effects Verification
- Roberts Bank Ecosystem Model Infauna Verification
- Roberts Bank Ecosystem Model Rockfish and Lingcod Verification
- Roberts Bank Ecosystem Model Blue Heron Effects Verification

Marine Mammals

- Underwater Noise Effects Prediction

Coastal Geomorphic Process

- Coastal Geomorphic Process

Human Health

- Human Health Air Quality Effects Predictions
- Human Health Noise Effects Predictions

Marine Fish

- Juvenile Salmon Density Effects Prediction
- Sandy Gravel Beach Habitat Offset Effectiveness
- Subtidal Rock Reefs Habitat Offset Effectiveness
- Caisson Refuge Habitat Mitigation Effectiveness

Marine Vegetation

- Eelgrass Habitat Offset Effectiveness
- Intertidal Marsh Habitat Offset Effectiveness

Visual Quality

- Light Trespass and Sky Glow Effect Predictions

Coastal Birds

- Western Sandpiper Prey Effects Prediction
- Salinity Effects Prediction
- Barn Owl Nest Box Mitigation Effectiveness
- Barn Owl Productivity Effects Prediction
- Diving Birds Abundance Effects Predictions
- Avian Mortality Artificial Light Effects Prediction

Consultation and engagement, ongoing work, and next steps

Ongoing consultation with Indigenous groups

- Comprehensive, multi-phased consultation program with 46 Indigenous groups since 2011
- Indigenous knowledge has been integrated throughout all phases of project development
- Mutual benefit agreements will ensure that benefits of the project are shared

Engagement with community and local government

- Four rounds of public engagement and 440+ meetings with regulators, Indigenous groups, government, stakeholders, and the general public
- Input received throughout environmental assessment has been considered in the development of the project



Ongoing work

- Continuing field studies to advance follow-up program and *Fisheries Act* Authorization
- Progressing monitoring and oversight framework



Next steps

- Information request response will be submitted to Impact Assessment Agency of Canada (IAAC) soon
- IAAC will then coordinate a public comment period on the information request response and draft conditions

Questions?