

Field Studies Information Sheet – December 2016

The Vancouver Fraser Port Authority is continuing field studies in December 2016 as part of ongoing environmental and technical work for the Container Capacity Improvement Program.

Container Capacity Improvement Program

The [Container Capacity Improvement Program](#) was announced in 2011, and is the port authority’s long-term strategy to ensure the timely delivery of required infrastructure to meet anticipated growth in the container sector. A key objective of the program is the use and capacity maximization of existing terminals before the construction of any new facilities. In planning for future capacity with this objective, the port authority considered opportunities to:

- Increase the capacity and efficiency of existing container terminals;
- Convert existing under-utilized terminals to handle containers; and
- Build a new terminal.

Improvements to existing container terminals within the port authority’s jurisdiction include:

- [The Deltaport Terminal, Road and Rail Improvement Project](#). This project provides improvements that address road and rail constraints on and off-terminal, and includes additional equipment on the terminal. Once complete in 2017, this project will increase the container capacity of Deltaport to approximately 2.4 million twenty-foot equivalent units (TEUs).
- [The Centerm Expansion Project](#). This project is a proposed series of improvements to Centerm container terminal and off-terminal road and rail. Subject to regulatory approvals, the project would increase the container capacity of Centerm to approximately 1.5 million TEUs.

However, even with these improvements, and capacity increases planned for the Fairview Terminal in Prince Rupert, Canada’s west coast will still require additional container capacity by the mid-2020s. To meet this demand, the port authority has proposed the construction of a new terminal at Roberts Bank in Delta, B.C.

- [The Roberts Bank Terminal 2 Project](#). The Roberts Bank Terminal 2 Project is a proposed new three-berth container terminal that would provide 2.4 million TEUs of additional container capacity annually. The Roberts Bank Terminal 2 Project is undergoing a federal environmental assessment by an independent review panel, under the *Canadian Environmental Assessment Act, 2012*, and requires other permits and authorizations before it can proceed.

Field Studies – December 2016

An overview of field studies that will be taking place in December 2016 is below.

Overview
Coastal Geomorphology
Abiotic Parameters Study
Marine Mammals
Marine Mammal Observation Study

Geotechnical Investigations

Marine and On-terminal Work

Some field studies taking place in December may require environmental authorizations and/or access to public and private land. Prior to starting any studies, the port authority will obtain any required permits and landowner permission before accessing private property.

The port authority has produced monthly field studies information sheets summarizing work planned during that month. Past updates regarding the Roberts Bank Terminal 2 Project are available at www.portvancouver.com/RBT2.

Study Name	Summary
<p>Coastal Geomorphology – Abiotic Parameters Study</p> <p>(continued from November 2016)</p>	<p><u>Purpose:</u> To determine the physical conditions (e.g., temperature and salinity) influencing biofilm presence and distribution at Roberts Bank.</p> <p><u>Study Area:</u> Roberts Bank in the upper and mid intertidal zones north of the Roberts Bank causeway.</p> <p><u>Methods:</u> Water quality measurements (conductivity, temperature and depth) will be recorded in the mid and upper intertidal zones of Roberts Bank.</p> <p><u>Timing:</u> This study is anticipated to continue in December 2016.</p>
<p>Marine Mammals – Marine Mammal Observation Study</p> <p>(continued from November 2016)</p>	<p><u>Purpose:</u> To document marine mammal presence and behaviour in the waters surrounding the marine terminals at Roberts Bank.</p> <p><u>Study Area:</u> The waters in the vicinity of the marine terminals at Roberts Bank.</p> <p><u>Methods:</u> A ground-based remote video surveillance system will be used to observe the proposed project footprint for marine mammals.</p> <p><u>Timing:</u> To continue in December 2016 during daylight hours.</p>

Study Name	Summary
Geotechnical Investigations – Marine and On-Terminal Work	<p><u>Purpose:</u> To gather additional information on existing sub-surface conditions as part of ongoing environmental and technical work for the proposed Centerm Expansion Project.</p> <p><u>Study Area:</u> Drilling will occur off-shore at the west end of the terminal, as well as adjacent to the Ballantyne Pier, and on shore at Centerm.</p> <p><u>Methods:</u> Drillholes will be drilled using a barge mounted drill rig, or a trunk mounted drill rig (on shore).</p> <p><u>Timing:</u> To begin in December 2016.</p>

For Further Information

For further information, please visit our website at portvancouver.com/CCIP or contact us:

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