

## TFN Member Opportunity

### Water Quality Sampling Program at Roberts Bank

#### Overview

Global Container Terminals (GCT) has retained Hatfield Consultants to conduct monthly marine water quality surveys to understand environmental quality for fish, aquatic life, and water users in proximity to the proposed Deltaport Expansion Berth Four Project (DP4). GCT and Hatfield recognize the importance of, and look forward to, working alongside Tsawwassen First Nation to complete baseline water quality fieldwork.

Water quality is an important indicator of environmental quality, and changes in water quality can, directly and indirectly, affect aquatic life. In the coastal marine environment, water quality is significantly influenced by tidal cycles and seasonal changes such as the discharge of the Fraser River. The water quality characterization is focused on the conditions in the proposed DP4 berth area and the immediate vicinity, these conditions will be important for characterizing potential effects to aquatic life. During each survey water quality will be assessed using a combination of profiling sensors and discrete water samples.

#### Scope of Work

Surveys are planned at 5 stations within the Inter-Causeway area, with three sites in the intertidal area and two locations in the subtidal area out to ~30 m chart datum (CD). One to two volunteers will be helping to collect discrete water samples by boat, guided by Hatfield field staff.

#### Duration

Water quality surveys will be conducted over two days every month from September 2022 until October 2023. The surveys will be completed during daylight hours; however, they are tide-dependent and may require work to be completed during the early mornings / late evenings.

#### Specific Requirements

Participants are not required to assist on all surveys, rather they can participate in a single survey or more if desired.

- Tasks include helping to load and unload equipment and supplies onto the vessel and safe collection of samples and data.
- Required equipment includes weather-appropriate clothing, waterproof boots, lunch, and water. A PFD and high visibility vest can be supplied if required.

#### Deadline

- Deadline for submission of interest for October fieldwork is **Friday, September 30, 2022, at 4 PM**. The opportunity will remain open until it is filled.

**\*Please send submissions to Robin Buss [rbuss@tsawwassenfirstnation.com](mailto:rbuss@tsawwassenfirstnation.com) or call at 604-202-3202. All received submissions will also be shared with Hatfield Consultants.**