

August 1<sup>st</sup>, 2017

### Notice of Construction

As you may be aware, Pacific Coast Terminals (PCT) has received a project permit (PP 2014-096) from Vancouver Fraser Port Authority (VFPA) to construct a potash handling facility as part of PCT's expansion project. Pacific Coast Terminals is committed to providing the community with updates of construction and its potential impacts throughout the duration of the project.

As a part of our current expansion, PCT will be installing Reed Shoals between Pacific Coast Terminals and the Reed Point Marina. The purpose of this expansion is to create additional habitat for fish that naturally occur within the Port Moody arm.

### Construction Working Hours

The construction of these facilities will occur from August 16th, 2017 until the end of September 2017.

### Work Site Location



### Physical Design

The shoals are constructed of predominantly large diameter round boulders. The design footprints fall upon relatively gentle grades on sub tidal sea bottom; these areas function as platforms for the shoals.

The interstices of the boulders are clear of fine aggregates; the interstices will be flushed during tidal exchanges. The voids mitigate wave run-up and deflection; part of the mass of the waves will pass through the boulders.

The shoals peak at about mean water level. The shoals are completely inundated during high tide. Approximately half of the shoals are exposed during low tide.

The landward margins of the shoals are characterized by low intertidal-shallow sub tidal cobble-gravel sand beach. The substrates are represented as layers that largely interface large round boulders, with the coarsest layer (i.e. cobble-gravel) founded directly upon the boulders, upon which are lain layers of finer materials, the last being sand.

The design configuration of the substrates facilitates filtering at the interface of the different substrate types. The interstices of the coarser substrate are filled by the finer substrate; the finer substrate is 'locked' within the voids. This design condition mitigates the loss of the finer substrate through the coarser substrate; this allows sand to be part of the complex of substrate types utilized by the design of the shoals.

The landward margins of the shoals are open during most water levels, mitigating the prospect for the trapping and retention of floating debris.

### **Biological Design**

The physical design represents the foundation of the biological design. The boulders that define the design of the shoals enhance the structural complexity of the shoreline environment that occurs within the operational footprint of Pacific Coast Terminals.

**PCT will continue to keep the community updated through our website and our Channels newsletter. Should you require additional information on the terminal expansion and construction project, or if you would like to register a concern with the project, please visit our website [www.pct.ca](http://www.pct.ca) or call 604.939.7371. After business hours please call 604-931-9211.**