

## **Metocean Data Collection (February – July 2011)**

### **Container Capacity Improvement Program**

The Container Capacity Improvement Program is Port Metro Vancouver's long term strategy to deliver projects to meet future anticipated growth and demand in container capacity in 2030. The program includes increasing operational efficiencies at Port Metro Vancouver's container facilities in the Lower Mainland, with an emphasis on initial investment and infrastructure improvements at Roberts Bank in Delta.

Following improvements at Vanterm and Centerm in 2005, and the completion of the Deltaport Third Berth Project in 2010, Port Metro Vancouver is currently evaluating infrastructure improvements at Roberts Bank in Delta, including the Roberts Bank Terminal 2 Project. The Terminal 2 Project is a proposed multi-berth container terminal with potential capacity of more than two million TEUs per year.

The development of any project as part of the Container Capacity Improvement Program will be subject to a thorough and independent Environmental Assessment process.

### **Metocean Data Collection**

To gather more information and data to assist in evaluating the proposed Roberts Bank Terminal 2 Project, Port Metro Vancouver is initiating oceanographic field studies beginning in February 2011. This program consists of deploying oceanographic equipment offshore of Roberts Bank in Delta to gather wave, current and sediment data for use in verifying and calibrating numerical hydrodynamic models of the Roberts Bank area.

The models will be used to:

- Develop criteria for the design of the proposed Roberts Bank Terminal 2 Project;
- Simulate ship navigation and behaviour of moored ships; and
- Investigate potential effects of the proposed Roberts Bank Terminal 2 Project on the coastal geomorphology of the adjacent shore line and intertidal habitat.

The study will begin with the deployment of an acoustic wave sensor, two pressure sensors and a turbidity meter. The devices will be connected to a wire and temporarily anchored on the sea floor. A sub-surface buoy will allow the wire to be vertical in the water column.

The acoustic wave sensor is anticipated to be deployed for a period of five months, with two inspections for maintenance and servicing. The pressure sensors are anticipated to be in place for approximately three months, and the turbidity meter for three months in the spring, and again for another two months in the summer of 2011.

### **For Further Information**

For further information please visit our website at [www.portmetrovancover.com](http://www.portmetrovancover.com) or contact the Container Capacity Improvement Program Team by:

**Phone:** 604-665-9337

**Fax:** 1-866-284-4271

**Email:** [container.improvement@portmetrovancover.com](mailto:container.improvement@portmetrovancover.com)