



Canadrill-CBCL Joint Venture  
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## **NON-TECHNICAL SUMMARY**

### **Project Name**

Clyde River Small Craft Harbour Geotechnical and Environmental Assessment Sampling Program

### **Introduction**

Canadrill-CBCL Joint Venture (Canadrill-CBCL) has been retained by Public Services and Procurement Canada (PSPC) on behalf of Fisheries and Oceans Canada – Small Craft Harbours (DFO-SCH) to design a small craft harbour (SCH) in Clyde River, Nunavut. To support the design, Canadrill-CBCL proposes to carry out a geotechnical drilling and environmental assessment sampling program in March/April 2021 to assess the proposed harbour area. The purpose of the geotechnical drilling and environmental sampling program is to evaluate the ocean bottom sediments in the harbour area, obtain sediment samples for physical and chemical analysis, and obtain bedrock core (if encountered). The information obtained will be used to design the small craft harbour facility, to evaluate the environmental risks, and to obtain the necessary permits to construct the small craft harbour.

### **Project Location**

The sampling program will be carried out in Clyde River, on the shore and ice of Patricia Bay, in the Qikiqtaaluk Region, North Baffin Island.

### **Project Description**

Drilling will be conducted in the nearshore harbour area, working on top of the established ice-sheet, and in the onshore area. A total of 25 boreholes will be drilled, including 7 on land at the harbour and 18 in the harbour area through the sea-ice. Drilling will occur from within a heated shack setup onsite over each drilling location. The drill and drill shack will be mounted on a skid and dragged to the drill location using a front-end loader, which will also be used to move the drill set-up to and from each borehole location. All equipment and materials will be removed from the harbour area after the drilling program is completed.

### **Project Schedule**

The geotechnical field program is scheduled to be carried out 24-hours-a-day over approximately 15 days in March/April 2021. The field program is dependent on weather conditions with sufficient ice thickness to support personnel and equipment to drill through the ice in the nearshore area.

## **Personnel**

The field team for the geotechnical and environmental assessment program will consist of approximately 11 people. The team will consist of personnel from Canadrill and CBCL with local support.