

## **Nunavut Research Institute Project Summary**

### **Peregrine Diamonds Ltd. Chidliak Property 2009 Baseline Environmental Studies**

Peregrine Diamonds Ltd. retained EBA Engineering Consultants Ltd. (EBA) to conduct environmental baseline studies at their proposed Chidliak project site, approximately 100 km northeast of Iqaluit, Nunavut. The proposed project will involve the following field studies: preliminary hydrology measurements, a preliminary habitat study, and wildlife surveys.

The 2009 field studies will be conducted over two short events in July and September. Each sampling event will be less than a week in duration. A small team of one biologist and one local research assistant will conduct these field studies in July and September; one research assistant per field event. A local research assistant from the two nearest communities, Iqaluit and Pangnirtung, are currently being sought.

Transportation around the project site will be mainly by helicopter, and to a lesser extent walking. Use of ATVs away from already established trails is discouraged to minimize impact to the local environment. The existing Chidliak camp will serve as the base for the field surveys. Nothing will be left on the land after the survey crews return to camp at the end of the day.

#### **Preliminary Hydrology Measurements**

The proposed work plan for the preliminary hydrology component is designed to collect preliminary stream flow and water depth data in the study area, with particular emphasis within the project footprint. Stream flow and water depth measurements will be collected following standard Hydrometric Survey standards. Stream flow and depth measurements will be taken across streams at the outflow of the kimberlite footprints in both the July and September field events.

#### **Preliminary Habitat Assessment**

Wildlife habitat and sensitive habitats near the project footprint will be determined using available satellite imagery and a short field reconnaissance. A small amount of plants may be collected from the land for later identification.

#### **Data and Reporting**

Data collected in 2009 will be analysed and summarized into an unpublished report and used as the basis for future baseline environmental data collection. Research results from 2009 will be submitted to the Nunavut Research Institute and will be available to all appropriate stakeholders of Iqaluit and Pangnirtung, upon request.