

## **Non-Technical Summary for the Baker Lake Geothermal Project**

The Baker Lake Geothermal Project (the Project) is located in the Kivalliq Region of Nunavut (NU), within the 1:50,000 scale National Topographic System (NTS) map sheets, 056D05 and 066A08. The Project will be completed within the municipal boundaries of the Hamlet of Baker Lake.

Qulliq Energy Corporation (QEC), formerly the Nunavut Power Corporation, is a 100% Government of NU owned corporation that is the sole provider of electrical power in the Territory. The QEC currently provides power to the 25 communities in NU by operating (25) stand-alone diesel power plants in each, which means that it is dependent upon fossil fuels. However, the QEC is actively searching for new and renewable energy resources.

QEC commissioned a Nunavut Geothermal Feasibility Study, completed by RESPEC, with guidelines set by the Canadian Geothermal Energy Association (CanGEA) for the Canadian National Geothermal Database (CNGD), published in June 2018. Baker Lake has been selected as a test site for investigating the geothermal potential in the Canadian Shield.

The Project will consist of the completion of a small diameter, temperature gradient hole in which geothermal properties will be studied. Should this work yield positive results, further investigations, will be conducted that might ultimately lead to the construction of a geothermal heat and power facility that would help reduce, if not eliminate, the hamlet's dependence on fossil fuels.

The Project is anticipated to commence in the late summer or fall and will comprise the drilling of a single, approximately 800-metre deep, vertical core hole at a target location within Lot 447 of the Hamlet of Baker Lake. A small volume of fuel (less than 4,000 L), will be required to power the drill during the program and will be appropriately permitted and managed.

A camp will not be required for the exploration program, as the project is within the municipal boundaries of the hamlet of Baker Lake.

A community consultation visit to Baker Lake to discuss the QEC Baker Lake Geothermal Project is planned prior to the commencement of the exploration program.

All field work and drilling will be confined to Lot 447 of Baker Lake as seen in the Project Location Figures below.

Figure 1: Baker Lake Geothermal Project Area

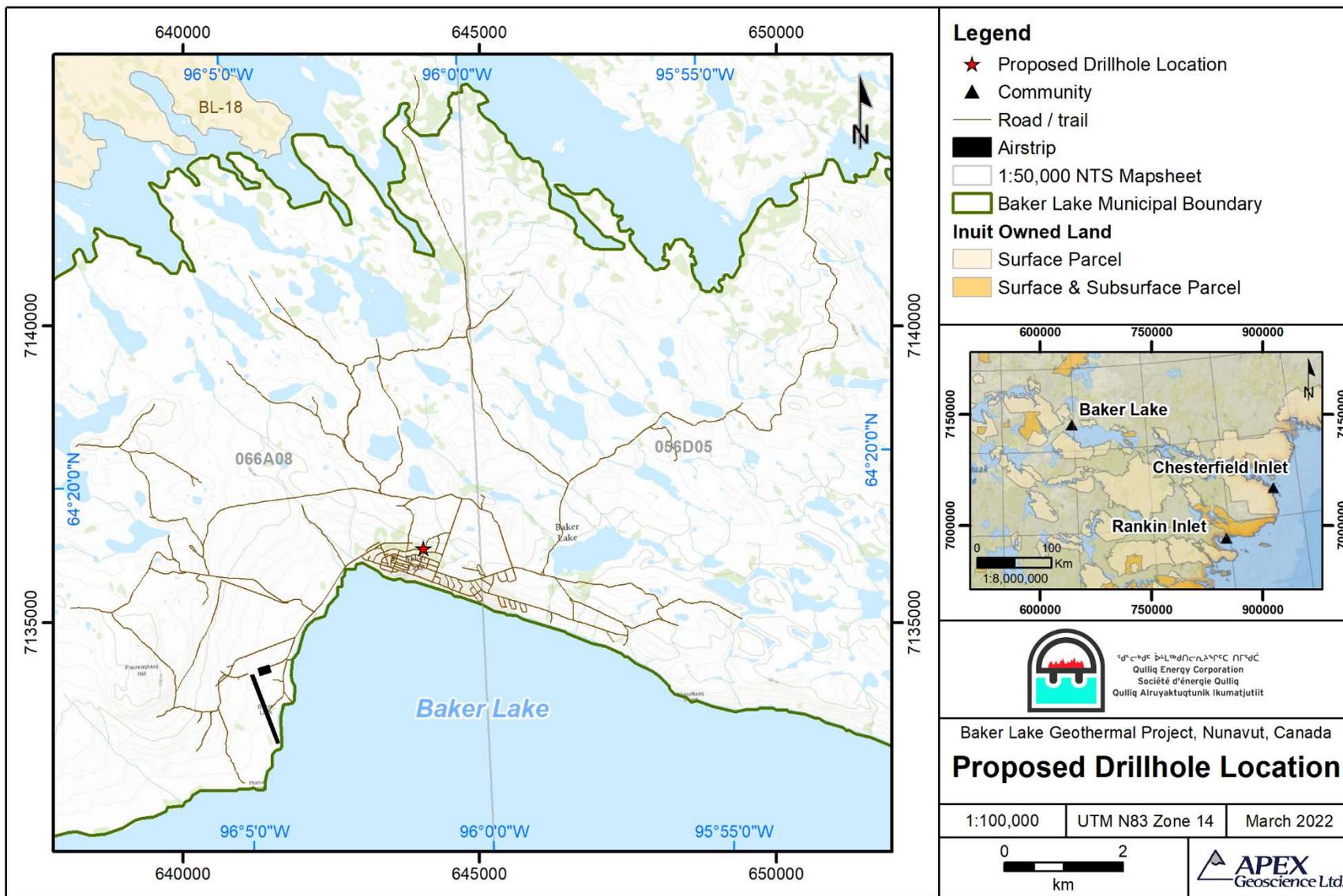


Figure 2: Baker Lake Geothermal Project Location- Close up

