



## **Tuktu Project Area Proposed 2010 Work Plan**

**Advanced Explorations Inc.**  
50 Richmond Street East, Suite 300  
Toronto, ON M5C 1N7  
Phone: 416-203-0057  
Fax: 416-860-9900  
[info@advanced-exploration.com](mailto:info@advanced-exploration.com)

**NWB License:** Currently Under Application  
**INAC License:** Currently Under Application

## **TUKTU WORK PLAN**

### **2010 FIELD SEASON**

Advanced Explorations Inc.'s Work Plan outlines the planned activities at the proposed Tuktu camp, to be established during the summer 2010 field season. The season will begin with the Tuktu program being conducted out of the existing Roche Bay camp, while satellite camp facilities are established at Tuktu. The program being planned consists of ground mapping and geological sampling, ground geophysics, diamond drilling and initial baseline environmental sampling and studies. Refer to the attached map for an approximate location of the proposed camp, and the area of the iron formation which will be the focus of the exploration program.

#### **CAMP:**

An exploration camp is to be constructed during the initial field season at Tuktu. Based on water usage at the Roche Bay camp during previous years, an approximate average of 125 litres/person/day of water is expected to be taken from a lake adjacent to camp for general camp use. The camp is expected to house up to 20 people, resulting in an estimated average water use of 2.5 cubic metres per day. It is expected that the program will last more than one year, with removal of all related equipment and infrastructure as well as restoration of the camp area being undertaken only when the program is complete. While the camp is in operation, all shelters and tents will be emptied of valuables to the extent practical and secured for the winter months.

#### **FUEL AND WASTE:**

Fuel cache areas will be established for fuel required for camp, drilling and helicopter activities, with barrels stacked, debris collected, and berms (for fuel, plus calcium chloride for drilling) established. Visual inspections of fuel caches will be conducted when people transfer fuel, with more formal inspection done by a site manager on a regular basis. Garbage and sewage will be burned using a two-stage burning incinerator, with the ash and other residue secured in barrels for shipping off-site and disposal in an appropriate facility. Debris will be collected in order to keep the camp and drill sites clean. Grey water will be processed through sumps and discharged away from water courses, as is conducted and approved at the Roche Bay camp.

#### **DRILLING:**

It is planned to initially have up to 2 Boart Longyear drills operating at Tuktu. At each drill site, the water return will be filtered through a PolyDrill (or similar) system to remove drill cuttings, and allowed to settle in natural depressions to allow additional cuttings to settle out. Water will be directed away from surface water courses. It is estimated that water use for each drill will be 90 cubic metres per day. Cuttings will then be used to reclaim any washout areas around their source drill-holes, as required. Calcium chloride will be the only drill additive used during the

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program. Water use will be similar to that used in previous Roche Bay programs, and taken from local lakes, with water meters installed on the intakes to document water usage. Pictures of drill sites will be taken before and after drilling, to document the drilling and reclamation operations. Calcium chloride will be kept on tarps, fuel on drip pans and waste (scrap metal and burnable waste) separated and kept in empty barrels for final removal from the site. Site manager inspections of the drilling operations will be conducted routinely, and issues addressed as found. Drill site remediation will be initiated immediately (as required), with all activities completed as soon as practical after the completion of drilling. Revegetation of drill sites will be enhanced by the application of peat moss to the surface, and transplantation of natural vegetation to the site. The use of overland vehicles will be closely monitored to minimize surface rutting. People will be advised to travel only across areas of sufficient snow cover, or bedrock as much as possible. Site managers will halt the use of overland vehicles when snow cover no longer allows effective travel without rutting.

**ENVIRONMENTAL:**

The potential environmental impacts of the proposed field program to the land and water will be minimal, based on the Company's experience over two field seasons at the larger Roche Bay camp. Ground mapping, sampling and geophysics surveys will involve only surface access by field crews. The camp itself will be organized to cover a minimal amount of area, and all precautions will be taken with regard to fuel, waste products, etc. to minimize potential impacts, with all wastes shipped off-site for proper disposal, and all grey water will be directed away from surface water bodies. Similar treatment of drill sites and related wastes from drilling will be undertaken the same as for camp. Noise issues will be mitigated as much as practical by the prudent choice of helicopter flight paths if wildlife is in the area. Archaeological studies will be initiated in the area of the proposed camp and drill areas as early in the program as practical. In addition, environmental baseline studies will be initiated during the first field season, to document the environment prior to exploration.

**SOCIO-ECONOMIC:**

Based on past experience at the Roche Bay camp, the Company and its contractors will employ numerous people from Hall Beach, Igloolik and Repulse Bay for camp and exploration related duties. Goods and services will also be purchased from local and Nunavut businesses to the extent possible, including food, travel, housing in Hall Beach, local consultants, and airline services. Negative socio-economic impacts will be minimized to the extent possible during all such activities.

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Signed "John Gingerich"

February, 2010

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**John Gingerich**  
**Chief Executive Officer**  
**Advanced Explorations Incorporated**

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**Date**

Signed "Lou Nagy"

February, 2010

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**Lou Nagy**  
**Chief Financial Officer**  
**Advanced Explorations Incorporated**

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**Date**

**Appendix:**

Figure 1 - Proposed Camp Location