



GEOLOGICAL SURVEY OF CANADA
COMMISSION GÉOLOGIQUE DU CANADA

CANADA-NUNAVUT GEOSCIENCE OFFICE
BUREAU GÉOSCIENTIFIQUE CANADA-NUNAVUT



PROJECT DESCRIPTION

Tehery-Wager Geoscience Project

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Project Location

The project will be conducted over two field seasons in all or parts of NTS (scale 1:250 000) map sheets 46 D and E and 56 A, B, C, F, G, and H (see map below). In 2015, mapping will be conducted out of a temporary, tent-based camp along the Lorillard River located about 145 km north-northeast of Chesterfield Inlet. In 2016, the project will utilize an existing exploration camp (Nanuq Camp, to be confirmed) located about 210 km north of Chesterfield Inlet. Both camps are on Crown Land.

Timeframe

Each field season will begin around June 26th and end around August 7th. This will include camp set up scheduled around June 26-29, field work from June 30th to August 3th, and demobilization of the camp around August 4-7. If funding cannot be secured for 2016, there is a possibility of extending into 2017.

Project Description

The Tehery-Wager Geoscience Project, part of the Federal Government's Geo-Mapping for Energy and Minerals Program, is a collaborative effort between the Geological Survey of Canada, the Canada-Nunavut Geoscience Office, and universities. The primary objectives are to increase the geological knowledge of the area and identify locations with elevated economic potential. The project will provide modern geological interpretations required to reduce exploration risk and make appropriate land-use decisions. Support from local communities is vital as goods and service contracts for fuel caching, expediting, wildlife monitors, and groceries will be needed.

Prior to each field season, up to 120 barrels of fuel will be positioned at the respective camp sites with a Twin or Turbo Otter aircraft on skis. A similar aircraft on tundra tires will be used to deliver groceries, goods, and crew to and from camp during the field season. A Bell 206 Long Ranger or similar will be used to transport field teams in the study area.

The temporary 2015 Lorillard camp will consist of a kitchen, dry storage, office, shower, and individual sleeping tents. A small crew will set up camp several days prior to the main field season and the site will be thoroughly cleaned following demobilization. In 2016, we tentatively plan to use the existing camp infrastructure owned by Peregrine Diamond's Ltd. at Nanuq. Our gear will be removed at the end of the field season and the site will be thoroughly cleaned.

Methodology

The field crew will comprise up to 15 scientists and camp support staff supported by one helicopter. Field work will involve daily foot traverses through the study area and have minimal disturbance. Fist size rock and small soil samples will be taken with a rock hammer or a shovel, without affecting vegetation. Following soil sampling, holes in the ground will be completely filled in with excavated sediments. Small stream sediment and water samples will also be collected.

Data

All information will be made publically available in the form of published maps and reports through the Geological Survey of Canada and the Canada-Nunavut Geoscience Office. The data will be of use to resource companies and industry investors, land-use planners, and government and community agencies to make informed exploration and infrastructure development decisions.

Reporting

Research results will be disseminated yearly at Territorial Open Houses. They will also be reported to local community members on a regular basis, either through face-to-face sessions when feasible or by sending copies of the publications.

Location Map

