



Kilohigok Basin Geoscience Project

What is the Purpose of the Project?

The purpose is to improve the geological knowledge in the central Kitikmeot, particularly around Bathurst Inlet, Melville Sound, Elu Inlet, and Kent Peninsula. The project began in 2014 and produced geological maps, scientific publications, and reports describing potential commodities for future prospecting. This knowledge may present new economic development opportunities for nearby communities.

Why is the Project Necessary?

The area of interest exposes a large geological domain known as Kilohigok Basin. This area is one of the last geological domains in Arctic Canada that has not been explored for mineral resources. Results from our work will increase knowledge in this area, providing more information for all stakeholders for future economic development in the territory.

How is the project being conducted?

The project started in the summer of 2014 and is supposed to last until 2019. Research has been conducted out of existing camps (Hope Bay camp operated by TMac Resources), and small, low-impact camps on the land. Future work in the hills west of Bathurst Inlet is planned for 2019 to be based out of small camps with minimal impact on the local environment. Geologists are dropped off with a floatplane and hike from camp every day to collect rock samples, photographs, and observational notes. Satellite images and air photos also help geologists navigate and interpret the geology in the distance.

Reporting:

All maps, geological information, and results of laboratory work are published and made available through the Canada-Nunavut Geoscience Office.







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