

License Number: 03 001 13R-M

Principal Investigator: Robert, Stéphane

Affiliation:

Agnico-Eagle Mines Limited, 10 200, Route de Preissac, Rouyn-Noranda, Québec, J0Y 1C0
stephane.robert@agnicoeagle.com

Number in Party: 1 to 3

Research Area: Kivalliq Region

Location: Meliadine Lake area, 25 km north of Rankin Inlet.

Summary:

Agnico-Eagle Mines Limited is proposing to construct, operate and reclaim a gold mine located 25 kilometres north of Rankin Inlet and 80 kilometres southwest of Chesterfield Inlet in the Kivalliq region of Nunavut. Baseline environmental data collected in support of an Environmental Impact Statement for the Meliadine Project was largely completed in 2012; save for deep groundwater monitoring in 2013.

In 2014, environmental monitoring was carried out, this included:

- water and sediment quality;
- freshwater aquatic and sediment biology; and
- deep groundwater quality below the permafrost.

The aquatic monitoring data will serve as a basis for an upcoming Aquatic Effects Monitoring Program, while the geotechnical information will be used in the feasibility study for the mine.

In 2015, Agnico Eagle will initiate its Aquatic Effects Monitoring Program (AEMP) for the Meliadine Project. This will include the collection of fish from lakes near the proposed mine site for fish health and tissue chemistry, and field data for all fish captured, the majority of which will be released. In addition, samples for water quality, sediment quality, and plankton and benthic organisms will be collected. The sampling and analyses undertaken will follow Agnico Eagle's AEMP Design Plan submitted in support of the Type A Water Licence Application. The results of this research will subsequently form part of its annual AEMP report.

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