

SCIENTIFIC RESEARCH LICENCE

LICENSE # 04 031 26N-M

ISSUED TO: Marie-Claude Williamson
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AFFILIATION: Geological Survey of Canada

TITLE: Geological Study of the Coppermine River Group Volcanic Rocks, Nunavut

OBJECTIVES OF RESEARCH:

The project goal is to map and sample previously unstudied parts of the Coppermine volcanic system to improve our understanding of its mineral potential and connections to the Muskox intrusion located to the southeast. The project focuses on new ways to explore for critical minerals in this part of the mainland Kitikmeot region. The bedrock in this region formed through ancient volcanic activity and our mapping project will help us understand if the region is prospective for critical minerals. The project objectives are to (1) fill knowledge gaps on the Coppermine lava flows and dykes by sampling and analysing the bedrock; (2) use geological maps to investigate how volcanic rocks of the Coppermine River Group might be connected to the Muskox intrusion; and (3) explore the hypothesis that a meteorite impact may have occurred during the emplacement of the volcanic rocks. The field season will take place over a period of four weeks from July 6 to 31, 2026.

TERMS & CONDITIONS:

The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (NIRB File # 26YN020) and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this licence. These terms and conditions will form part of this license.

DATA COLLECTION IN NU:

DATES: July 06, 2026-July 31, 2026

LOCATION: Kugluktuk, Cambridge Bay

Scientific Research License 04 031 26N-M expires on December 31, 2026

Issued at Iqaluit, NU on June 10, 2026

James Shirley
Science Advisor

