# NIRB Application for Screening #126399

# Geological Study of the Coppermine River Group volcanic rocks, Nunavut

**Application Type:** New

**Project Type:** Scientific Research

**Application Date:** Tuesday, March 10, 2026

**Period of operation:** from 2026-07-06 to 2026-07-31

**Project Proponent:**
Marie-Claude Williamson
Natural Resources Canada - Geological Survey of Canada
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Canada
Phone Number:: 6137999513, Fax Number::

# DETAILS

**Non-technical project proposal description**

English: See Documents tab for Non-Technical Project Proposal Description_ENG

French: See Documents tab for Non-Technical Project Proposal Description_FR

Inuktitut: See Documents tab for Non-Technical Project Proposal Description_IK

Inuinnaqtun: See Documents tab for Non-Technical Project Proposal Description_IQ

**Personnel**

Personnel on site: 6
Days on site: 22
Total Person days: 132
Operations Phase: from 2026-07-06 to 2026-07-31

# Activities

| Location | Activity Type | Land Status | Site history | Site archaeological or paleontological value | Proximity to the nearest communities and any protected areas |
|---|---|---|---|---|---|
| Coppermine Base Camp | Camp | Inuit Owned Surface Lands | Mapped by the Geological Survey of Canada. | Unknown | 80 km South of Kugluktuk |
| Washburn Lake | Sampling sites | Inuit Owned Surface Lands | Mapped by the Geological Survey of Canada. | Unknown | North of Cambridge Bay |

**Community Involvement & Regional Benefits**

| Community | Name | Organization | Date Contacted |
|---|---|---|---|
| Kugluktuk | Amanda Dumont, Manager | Kugluktuk Agnoniatit Association | 2026-02-19 |
| Kugluktuk | Kevin Niptanatiak, Senior Administrative Officer | Hamlet of Kugluktuk | 2026-02-19 |
| Cambridge Bay | Jim MacEachern, Chief Administrative Officer | Municipality of Cambridge Bay | 2026-02-19 |
| Cambridge Bay | James Panioyak, Chairman | Ekaluktutiak Hunters and Trappers Association | 2026-02-19 |
| Cambridge Bay | Tannis Bolt, Senior Lands Officer | Kitikmeot Inuit Association | 2026-02-19 |

# Authorizations

**Indicate the areas in which the project is located:**

Kitikmeot

**Authorizations**

| Regulatory Authority | Authorization Description | Current Status | Date Issued / Applied | Expiry Date |
|---|---|---|---|---|
| Information is not available | | | | |

**Project transportation types**

| Transportation Type | Proposed Use | Length of Use |
|---|---|---|
| Air | Helicopter transport of field crew from Kugluktuk to Coppermine base camp. | |

**Project accomodation types**

Temporary Camp

# Material Use

**Equipment to be used (including drills, pumps, aircraft, vehicles, etc)**

| Equipment Type | Quantity | Size - Dimensions | Proposed Use |
|---|---|---|---|
| Helicopter | 1 | NA | Transport of field crew to base camp |

**Detail Fuel and Hazardous Material Use**

| Detail fuel material use: | Fuel Type | Number of containers | Container Capacity | Total Amount | Units | Proposed Use |
|---|---|---|---|---|---|---|
| Gasoline | fuel | 1 | 20 | 20 | Liters | Portable generator for Coppermine base camp |

**Water Consumption**

| Daily amount (m3) | Proposed water retrieval methods | Proposed water retrieval location |
|---|---|---|
| 0 | Water for cooking and field crew will be obtained from local streams using buckets | local streams |

# Waste

**Waste Management**

| Project Activity | Type of Waste | Projected Amount Generated | Method of Disposal | Additional treatment procedures |
|---|---|---|---|---|
| Waste disposal | Greywater | 10 l per day | Disposed of at a single site located at regulatory distance from watercourse | N/A |
| Waste disposal | Sewage (human waste) | N/A | Portable incinerator | N/A |

**Environmental Impacts:**

The temporary camp will be set with a rigorous attention to environmental impacts by ensuring that no trace of tents and field equipment remain at the end of the field season. The field crew will follow directives on water usage and waste management as listed in this application. In all our field research, we ensure our staff are properly trained and maintain high safety standards. We are committed to avoiding and reporting any wildlife observations or archeological artefacts or sites found as we work. To support this, the team is seeking to hire a local wildlife monitor to join the team in the field at the Coppermine base camp.

# Additional Information

**SECTION A1: Project Info**

**SECTION A2: Allweather Road**

**SECTION A3: Winter Road**

**SECTION B1: Project Info**

**SECTION B2: Exploration Activity**

**SECTION B3: Geosciences**

**SECTION B4: Drilling**

**SECTION B5: Stripping**

**SECTION B6: Underground Activity**

**SECTION B7: Waste Rock**

**SECTION B8: Stockpiles**

**SECTION B9: Mine Development**

**SECTION B10: Geology**

**SECTION B11: Mine**

**SECTION B12: Mill**

**SECTION C1: Pits**

**SECTION D1: Facility**

**SECTION D2: Facility Construction**

**SECTION D3: Facility Operation**

**SECTION D4: Vessel Use**

**SECTION E1: Offshore Survey**

**SECTION E2: Nearshore Survey**

**SECTION E3: Vessel Use**

**SECTION F1: Site Cleanup**

**SECTION G1: Well Authorization**

**SECTION G2: Onland Exploration**

**SECTION G3: Offshore Exploration**

**SECTION G4: Rig**

**SECTION H1: Vessel Use**

**SECTION H2: Disposal At Sea**

**SECTION I1: Municipal Development**

**Description of Existing Environment: Physical Environment**

**Description of Existing Environment: Biological Environment**

**Description of Existing Environment: Socio-economic Environment**

**Miscellaneous Project Information**

**Identification of Impacts and Proposed Mitigation Measures**

**Cumulative Effects**

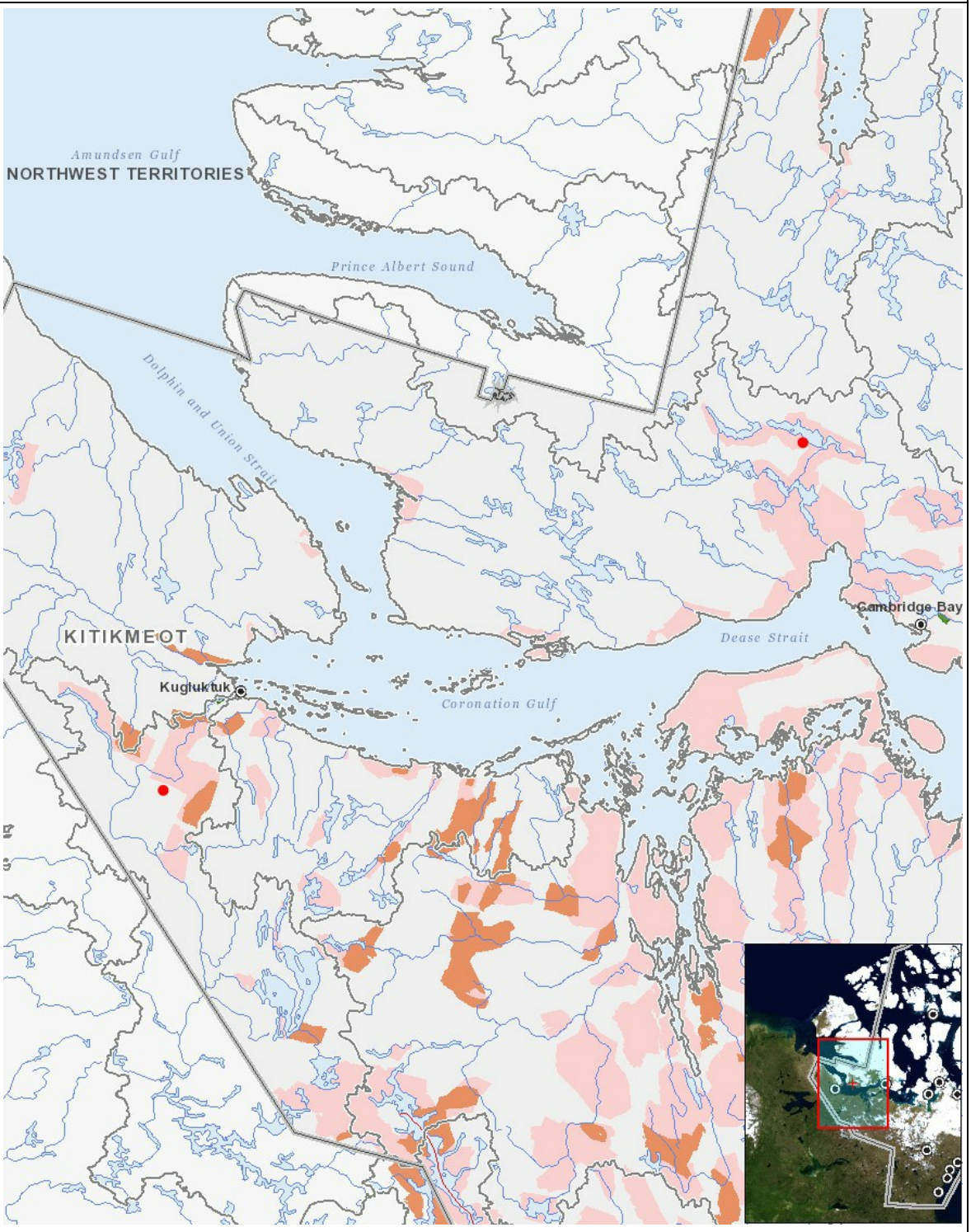
# Impacts

## Identification of Environmental Impacts

| | PHYSICAL | Designated environmental areas | Ground stability | Permafrost | Hydrology / Limnology | Water quality | Climate conditions | Eskers and other unique or fragile landscapes | Surface and bedrock geology | Sediment and soil quality | Tidal processes and bathymetry | Air quality | Noise levels | BIOLOGICAL | Vegetation | Wildlife, including habitat and migration patterns | Birds, including habitat and migration patterns | Aquatic species, incl. habitat and migration/spawning | Wildlife protected areas | SOCIO-ECONOMIC | Archaeological and cultural historic sites | Employment | Community wellness | Community infrastructure | Human health |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Construction** | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | | - | - | - | - | - | - | - | - | - | - | - | - | | - | - | - | - | - | | - | - | - | - | - |
| **Operation** | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | | - | - | - | - | - | - | - | - | - | - | - | - | | - | - | - | - | - | | - | - | - | - | - |
| **Decommissioning** | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | | - | - | - | - | - | - | - | - | - | - | - | - | | - | - | - | - | - | | - | - | - | - | - |

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location




List of Project Geometries

| | | |
|---|---|---|
| 1 | point | Coppermine Base Camp |
| 2 | point | Washburn Lake |