





havaaqaqhimayut taimaa Qitirmiuni, nunaqatigiiktut havaqatigiikhutik, tapuallu Golder Associates Inc. ikayuqhutik Qimikyuaq Kuungani, talvanilu Nulahugyuup kuugaani, Nulahugyup haniani. Tahamna havaakhaq qulinik inungnik havaqatigiiktukhanik pijjutauniaqtuq, qullinut upluni hivullirmi kuugangmi. Havaakhaq iniqtaungitkumi taapkunai qulini upluni, talvaniinginnarlutik uplunik qulinik aniguutifaarlutik iniqtitiariamingni, nuutinnatik tuglianut kuugarmut. Havaakhat havaariyauniaqtut July min, September qitinganut 2021. Taapkuak kuukap ihuaqhainia ilauyut angitqiyarmut naunaiyaiyaunmik ikayuqtuirmik, kiinauyutigut ikayuqtauplutik Iqaluit, Taryuplu Hinaani Ihuaqhainiup Kiinaiyaitigut. (Fisheries and Oceans Canada Coastal Restoration Fund), Fisheries and Oceans Canada, taapkuallu University Waterloomi. Imaup nalaumaninga nalunaiyautit, Iqaluit naunaiyautillu katitiqtautaqtut atautiikut naunaiyautikhanut aallanut.

#### **Personnel**

Personnel on site: 10

Days on site: 28

Total Person days: 280

Operations Phase: from 2021-07-26 to 2022-09-24



# ᓇᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ

ᓇᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ:

Kitikmeot

## ᓇᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ

ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ	ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ	ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ	ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ	ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ
ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ	Licence to Fish for Scientific Purposes, and Animal Care Permit	Applied, Decision Pending		
ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ	Certificate of Exemption to access Inuit Owned Lands	Applied, Decision Pending		
ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ	Approval to Use Water/Deposit Water Without a Licence	Not Yet Applied		
ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ	NRI was contacted for a scientific research permit. NRI stated that a permit is not required, since the primary research is on fish.	Active		

### Project transportation types

Transportation Type	ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ ᓂᓴᓐᓂᓐ	Length of Use
Air	Charter plane to transport equipment	
Water	Transport of personnel and equipment by boat	
Land	Limited transport on-site by ATV	

### Project accomodation types

Temporary 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**

No equipment, infrastructure, or supplies will be cleaned up. The site restoration refers to natural materials (e.g., boulders, stones) only. Natural materials will be relocated, to create deeper channels and directional weirs to assist migrating Arctic Char.

**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**

**ᐱᓐᓇ ᐱᑦᐱᐅᑦ ᖃᓄᐃᑦᑐᑦᓇᓂᐅᓂᖅ: ᓄᓇᐅᑦ ᖃᓄᐃᑦᑐᓂᖅ**

No roads or trails exist at either location. Cabins and camps are located at both locations and are used for hunting and fishing by community members.

**ᐱᓐᓇ ᐱᑦᐱᐅᑦ ᖃᓄᐃᑦᑐᑦᓇᓂᐅᓂᖅ: ᐅᐱᐳᖅᑕᖃᖃᓂᖅ**

Arctic Char migrate through streams at both locations. Community members have observed low water levels and stranding of migrating Arctic Char. The objective of the project is to make deeper channels, to improve the streams for migrating Arctic Char.

**ᐱᓐᓇ ᐱᑦᐱᐅᑦ ᖃᓄᐃᑦᑐᑦᓇᓂᐅᓂᖅ: ᐃᓄᑦᓂᓂᖅᐱᑦᐳᖅᑕᖅᑕᐱᑦᑕᑦᐱᐳᑦᓂᖅᐱᑦᐳᖅᑕᖅ**

Community members from Kugluktuk use these areas for recreation, as well as subsistence hunting and fishing.

**Miscellaneous Project Information**

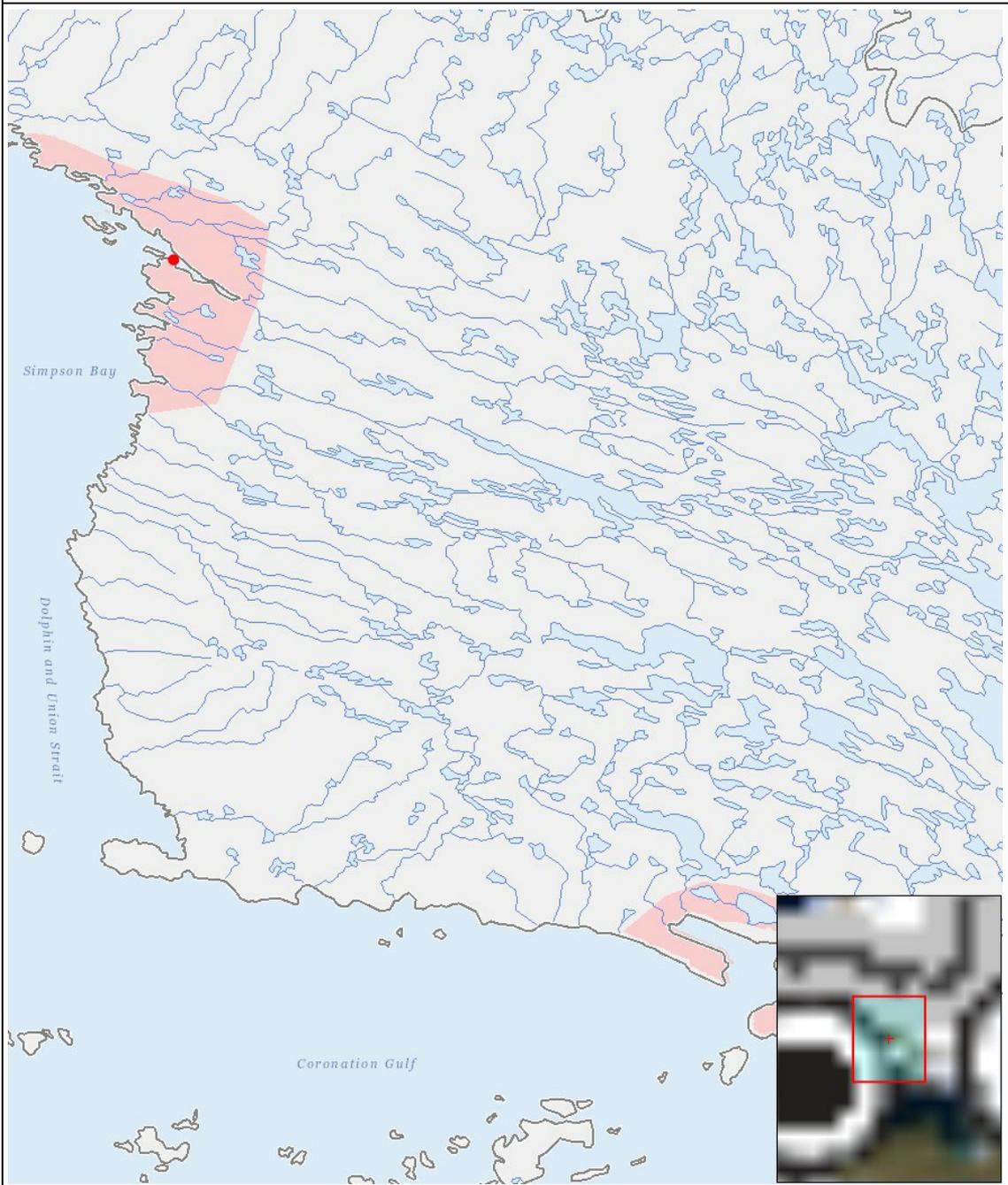
**ᓇᓄᓇᐃᖅᑕᐅᓂᖅᑦ ᐱᑦᑐᖅᑕᐅᐳᐱᐳᑦ ᖃᓄᐃᑦᑐᓂᖅᑦ ᑕᓇᐅᐱᖅᐳᐳᖅᑕᐅᓂᐳᖅᑦ**

Transportation of equipment by ATV will only occur on hard-packed substrate so minimal damage to wetlands and vegetation will occur. Travel overland will avoid cultural and archaeological sites. All fueling will be done away from water sources. All project activities will be conducted with minimal impacts to large mammals (terrestrial and marine). Wildlife will not be approached and participants will leave the area if wildlife show signs of being disturbed by human presence and/or project activities. Boulders and substrate removed from the stream channels will be deposited on hard-packed substrate and where substrate is unlikely to be transported by spring run-off. Dexpan (a non-toxic expanding powder that will be used to crack boulders) forms a hardened compound when set. This compound is nontoxic and will be disposed of with boulders and substrate. Unused Dexpan (either in original powder form or in mixed solution) will be transported to Kugluktuk for disposal at Hamlet facilities.

## **Cumulative Effects**

No future projects are expected in this area. The project is of short duration and is not expected to have lasting cumulative effects.





List of Project Geometries

- |   |       |                                     |
|---|-------|-------------------------------------|
| 1 | point | Kimikyoak River, Read Island        |
| 2 | point | Nakyoktok River, Richardson Islands |