

Public Registry - Project Proposals

NPC 150435: Grise Fiord and Resolute Bay Field Program
[Close](#)

Proposal Status: Conformity Determination Issued

[Overview](#) [Documents](#)
[Project Overview](#)

Type of application: New

Proponent name:

Justin McDonell

Proponent company:

Government of Nunavut - Community and Government Services

Project Description:

Worley Canada Services Ltd., operating as Worley Consulting, has been retained by the Government of Nunavut – Community & Government Services (GN-CGS) to support the detailed design of Community Harbour facilities in Grise Fiord and Resolute Bay in Nunavut. To inform the detailed design phase, several field programs will be undertaken over the next few years, initiating in the 2024 open-water season. This Project Description (PD) is specific to the field programs. The intention of the field programs, will be as below: •Conduct environmental, geoscience, geophysics, and archaeological baseline studies in each location. •Perform a geotechnical program to confirm seabed and quarry rock conditions. •Topographic and bathymetric surveys. •Existing conditions or effects studies during or post-construction of the CH's. Surveys will be conducted in two Study Areas: the Community Harbour and the Haul Road and Quarry. Maps depicting the Study Areas for each community are provided in Appendix A, Figure A-1 and Figure A-2 in the attached Application Letter. Field programs will largely be undertaken in open-water seasons, with the exception of the Geotech Drilling Program which may occur during the iced ocean condition. The initial 2024 existing conditions field program will be undertaken between July and September. Consultations on the Community Harbour facilities have been ongoing since the feasibility phase and have included six separate community visits from 2018 to 2022 to conduct meetings with the Hamlet, design workshops with the Hunters and Trappers Associations/Organizations (HTAs/HTOs), Inuit knowledge (Inuit Qaujimajatuqangit [IQ]) workshops with elders and

[illegible]

Project Schedule

Project Map

Id
Geometry
Location Name

Project Land Use and Authorizations

Government of Nunavut - Department of Environment

Government of Canada - Crown-Indigenous Relations and Northern Affairs
Canada

Nunavut Impact Review Board

Government of Nunavut - Department of Culture and Heritage

Material Use

Equipment:

	Type
	Quantity
	Type
	Use

Equipment

1

1

A variety of equipment will be required to undertake the planned Field Program. Please refer to Table 3-1 of the provided Application Letter which summarizes the equipment required for each of the Field Program components. Equipment may include small manual hand tools, iPads, transect line and quadrats, survey equipment such as remotely operated vehicles (ROVs) and unmanned aerial vehicles (UAVs), multi-beam survey equipment, and a track/skit mounted rotary drill rig.

Transportation Equipment

1

1

A variety of transportation equipment may be required, such as ATVs, vehicles, and boats. Transportation equipment required is provided in Table 3-1 of the provided Application Letter.

Fuel Use:

	Type
	Container
	Capacity
	Use

No data found

Hazardous Material and Chemical Use:

	Type
	Container
	Capacity
	Use

Sample Preservative

1

1

Preservatives such as formalin, ethanol, and hydrochloric acid are required to preserve water and sediment quality samples for the marine-based Field Program components. Less than 1 millilitre of preservative will be required per sample bottle.

Water Consumption:

Daily Amount (m ²)
Retrieval Method
Retrieval Location

0

Waste and Impacts

Environmental Impacts:

Potential environmental effects and proposed mitigation measures are provided in Section 10, Table 10-1 of the provided Application Letter. Potential environmental effects include disturbance to terrestrial and marine habitat and wildlife, disruption of traditional use of the proposed study area(s), temporary sediment suspension, disturbance of heritage resources, and increased anthropogenic presence within Study Areas.

Waste Management:

Waste Type
Quantity Generated
Treatment Method
Disposal Method

Non-Combustible wastes

Up to 10 large garbage bags

N/A

Environmental baseline studies will employ a 'pack in, pack out' policy in terms of waste management. Bulk waste is not anticipated during these studies. Some non-combustible waste will be created from consumables during sampling (bottles, bags, gloves, etc.).

Sewage (human waste)

N/A

N/A

All project personnel will use existing facilities.