



NIRB Application for Screening #125834

Annual shrimp survey in Hudson Strait.

Application Type: New

Project Type: Marine Based Activities

Application Date: 6/28/2023 11:40:03 AM

Period of operation: from 0001-01-01 to 0001-01-01

Proposed Authorization: from 0001-01-01 to 0001-01-01

Project Proponent: Wojciech Walkusz
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Canada
Phone Number:: 12049306199, Fax Number::

DETAILS

Non-technical project proposal description

[illegible]

Personnel

Personnel on site: 16
Days on site: 50
Total Person days: 800
Operations Phase: from 2023-07-14 to 2023-09-28

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Shrimp survey area	Marine Based Activities	Marine	The survey performed annually.	n/a	Nearest community - Kimmirut, about 65km away from sampling area; proximity of Hatton Basin Closure, no sampling in closure

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Information is not available			

Authorizations

Indicate the areas in which the project is located:

Transboundary
South Baffin

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Fisheries and Oceans Canada	License to Fish for Scientific Purposes	Applied, Decision Pending		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Water	Fishing Vessel Katsheshuk II	

Project accomodation types

Other,

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Fishing vessel	1	60m length	Fishing Vessel Katsheshuk II will be used to do the survey.

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	1	460	460	Metric Tons	This is a fuel capacity of the vessel.

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0		

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Marine Based Activities	Greywater	200t/day	According with Transport Canada regulations for offshore fishing operations.	Treated as per Transport Canada regulations.

Environmental Impacts:

The impacts of the proposed research will be negative (removal of the resource, bottom disturbance), however, mitigation measures (catch not retained, short duration of the individual tow) will mitigate the impacts to some extent.

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

The vessel to be used is a Canada registered (Home Port: ST.JOHN'S), operational (active) fishing vessel - Katsheshuk II(IMO: 9127174; Call Sign: VAAI); it will be used to deploy the demersal trawl (Campelen) in the pre-selected locations in the Hudson Strait.

SECTION H2: Disposal At Sea

Catch and bycatch will be disposed immediately after processing (enumeration). Any disposal from the vessel will be done according to marine regulations of Transport Canada for the offshore operating vessel. The vessel will not dispose waste in the inshore areas.

SECTION I1: Municipal Development

Description of Existing Environment: Physical Environment

There are no impacts for the physical environment.

Description of Existing Environment: Biological Environment

Catch and bycatch species removals are limited to an absolute minimum (15 minutes tows). Past history of the survey indicates that the following catch and bycatch amounts are expected: - shrimp: Northern Shrimp - 550kg, Striped Shrimp: 3200kg; - finfish (bony fish species): 2000kg; - other taxa (including sponges, corals, seastars etc.): 900 kg

Description of Existing Environment: Socio-economic Environment

The survey provides information that feed directly into decision making on the Total Allowable Catch of shrimp. The shrimp in Hudson Strait are solely caught by the parties from Nunavut and Nunavik.

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

There is a catch (shrimp) and bycatch (fishes, sponges) involved in this research activity. The duration of the individual tow, thus the overall impact at the particular location, are minimized by reducing the tow time to 15 minutes and live release of fish when they are enumerated.

Cumulative Effects

Bycatch removal, shrimp (catch) removal from the particular location, disruption of the bottom by the trawl (minimal due to short tow duration).

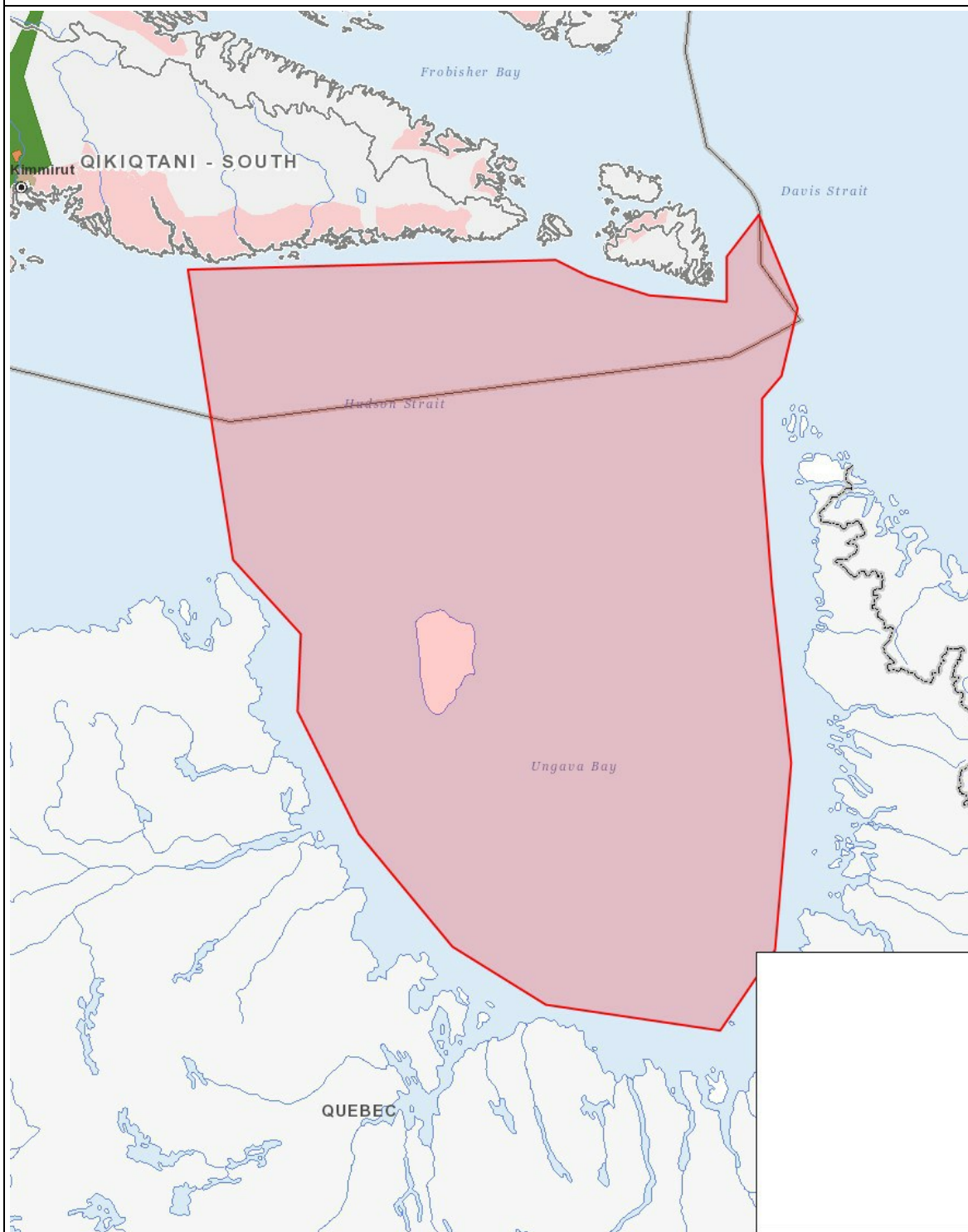
Impacts

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																										
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Operation																										
Marine Based Activities		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	M	-		-	-	-	-	-
Decommissioning																										
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(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

1	polygon	Shrimp survey area
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