



NIRB Uuktuutinga Ihivriuqhikhamut #126193

Coastal invertebrates sampling around Belcher Islands, Qikiqtait

Uuktuutinga Qanurittuq:	New
Havaap Qanurittunia:	Scientific Research
Uuktuutinga Ublua:	Friday, June 27, 2025
Period of operation:	from 2025-05-16 to 2028-11-14
Havauhikhaq Ikayuqtinga:	Paloma Calabria Carvalho Fisheries and Oceans Canada 501 University Crescent Winnipeg MB R3T 2N6 Canada Hivayautit Nampanga:: 4312948937, Kayumiktukkut Nampanga::

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtailiyainnit nuna
Sampling stations for benthic invertebrates around Belcher Islands	Dredging	Marine	NA	NA	Sanikiluaq

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Sanikiluaq	Lucassie Arragutainaq	HTA	2025-02-20

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Iqalukhiurniqmut Tariuqmilu Kaanata	LICENCE TO FISH FOR SCIENTIFIC PURPOSES	Applied, Decision Pending		
Hunters and Trappers Associations/Organizations	Letter of support from the Sanikiluaq HTA	Active	2025-05-21	

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Water	HTA Boat	

Project accomodation types

Nunauyuq

Ihuaqutivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutininik, hunaluuniit)

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
HTA Boat	1	28ft	HTA community boat (Silver dolphin 28) is used to sample invertebrates from the stations marked in the map.
CTD	1	NA	CTD measures temperature, depth and salinity
Community benthic dredge	1	50x100 cm2	Collect benthic invertebrates (urchins, scallops, sea cucumbers) that will be frozen and sent back to Winnipeg for lab analysis.
Zooplankton net	1	50cm diameter (500um mesh size)	Collect zooplankton from the water column. Samples will be frozen and shipped to Winnipeg for lab analysis.

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Gasoline	fuel	50	25	1250	Gallons	Boat fuel
NA	hazardous	0	0	0	Liters	No chemicals will be used to preserve samples, they will be frozen

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
0		

Iqqakuq

Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Information is not available				

Avatiliriniqmut Ayurhautingit:

Benthic samples will be collected using a community benthic dredge. Community members use this equipment to sample for scallops in established scallops' bed for consumption. There is no other sampling method possible to collect benthic species in the region. However, due to the small size (50x100cm) of the community benthic dredge and the short time dredging (10-15 min), the impact to the sea floor is negligible. The use of small-scale, community-based dredging ensures that harvesting remains sustainable and minimally disruptive to the benthic environment. Potential impacts on the sea floor due to the benthic dredge scrapping the seabed includes: Sediment disturbance: moving rocks and resuspending sediment Displacement and/or mortality of benthic organisms: some organisms may be displaced, and a few may be killed during the dredging, but most species in contact with the dredge will be collected within it and brought up to the surface. Water: temporary increased turbidity during dredging. Positive impact to the community: This program hires community members to advise on sampling sites and assist with the sample collection.

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

Qanurittuq Ittunik Avatinga: Avatingalluanga

Sampling sites nearshore range from 20-60m depth. The seabed in these zones consists of a mix of sandy and rocky substrates.

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Sanikiluaq, located in the Belcher Islands of Hudson Bay, has a long-standing tradition of harvesting Icelandic scallops, sea cucumbers and sea urchins for community use. They are typically collected using small boats and a benthic dredge operating in nearshore areas where scallop beds are well established.

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Community members in Sanikiluaq rely on the harvesting of scallops, sea cucumbers, and urchins as an important part of their traditional diet. These marine invertebrates, along with other species such as Arctic char and marine mammals (seals, belugas), form the foundation of local subsistence practices, contributing both to food security and the preservation of Inuit cultural heritage.

Miscellaneous Project Information

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

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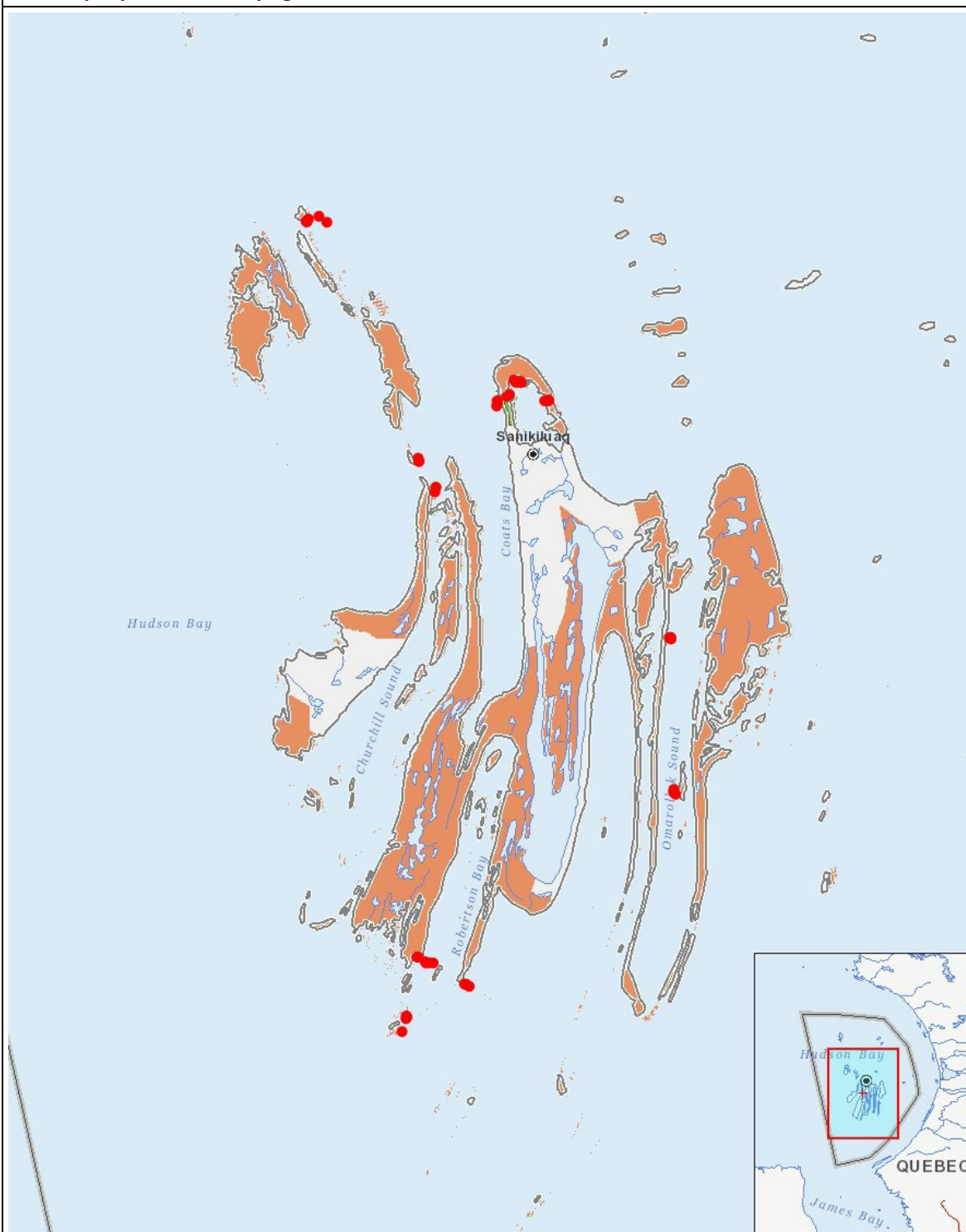
Tamatkiumayunik Ihuikgutivaktunik

Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

	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
Havakvinga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aulapkaininnga																									
Dredging		-	-	-	-	-	-	-	-	-	-	-	-	N	N	-	N	-		-	P	-	-	-	-
Piiqtauniq																									
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)



List of Project Geometries

- 1 point Sampling stations for benthic invertebrates around Belcher Islands