



NIRB Uuktuutinga Ihivriughikhamut #125145

ArcticNet Project 1: The Northwest Passage at the end of the Last Glaciation. ArcticNet Project 2: River sampling during 2017 ArcticNet expedition

Uuktuutinga Qanurittuq:	New
Havaap Qanurittunia:	Ihiviukhinnikmun Naunnaiyainikmun
Uuktuutinga Ublua:	5/29/2017 3:22:35 PM
Period of operation:	from 2017-07-13 to 2017-10-12
Piumayaat Angirutinga:	from 2017-05-25 to 2017-10-12
Havauhikhaq Ikayuqtinga:	Anissa Merzouk ArcticNet 1045, avenue de la Médecine, room 4081, Université Laval Québec Quebec G1V0A6 Canada Hivayautit Nampanga:: 418-656-2356, Kayumiktukkut Nampanga: 418-656-2334

QANURITTUT

Tukihiannaqtunik havaariyauyumayumik uqauhiuyun

Qablunaatitut: These two ArcticNet subprojects constitute an amendment to the ArcticNet ship-based scientific license (NIRB# 06YN071) for activities conducted from the Canadian research icebreaker CCGS Amundsen. The proposed activities include river and shore sampling. Descriptions of both sub-projects are attached as PDFs containing English, Inuktitut and Inuinnaqtun versions. Project 1: Project Title: The Northwest Passage at the end of the Last Glaciation ArcticNet Researcher: Dr. Mark Furze, MacEwan University Project Location: Maxwell Bay, Devon Island, Nunavut Planned activities: Beach surveys on foot and collection of a small number of empty beach shells (5-10) (no excavations required) for radiocarbon dating. Dates: 1 day between 30 July and 10 August 2017 Project 2 Project title: River sampling during 2017 ArcticNet expedition ArcticNet Researcher: Dr. Cara Manning, University of British Columbia Project location: Rivers in the Kitikmeot and Qikiqtaaluk regions, Nunavut (list of rivers provided in the attached proposal; A few (not all) of these sampling locations will be selected from this list during the ArcticNet research cruise, based on factors such as weather). Planned activities: Collection of river water samples for chemical analysis, including measurement of greenhouse gases. Dates: Depending on the Amundsen cruise track, between 30 July and 17 August 2017.

Uiviititut: N/A

Inuktitut: ArcticNet subprojects constitute an amendment to the ArcticNet ship-based scientific license (NIRB# 06YN071) for activities conducted from the Canadian research icebreaker CCGS Amundsen. The proposed activities include river and shore sampling. Descriptions of both sub-projects are attached as PDFs containing English, Inuktitut and Inuinnaqtun versions. Project 1: Project Title: The Northwest Passage at the end of the Last Glaciation ArcticNet Researcher: Dr. Mark Furze, MacEwan University Project Location: Maxwell Bay, Devon Island, Nunavut Planned activities: Beach surveys on foot and collection of a small number of empty beach shells (5-10) (no excavations required) for radiocarbon dating. Dates: 1 day between 30 July and 10 August 2017 Project 2 Project title: River sampling during 2017 ArcticNet expedition ArcticNet Researcher: Dr. Cara Manning, University of British Columbia Project location: Rivers in the Kitikmeot and Qikiqtaaluk regions, Nunavut (list of rivers provided in the attached proposal; A few (not all) of these sampling locations will be selected from this list during the ArcticNet research cruise, based on factors such as weather). Planned activities: Collection of river water samples for chemical analysis, including measurement of greenhouse gases. Dates: Depending on the Amundsen cruise track, between 30 July and 17 August 2017.

[illegible]

Personnel on site: 2
Days on site: 10
Total Person days: 20
Period of operation: from 2017-07-13 to 2017-08-17
Proposed term of operation: from 2017-05-25 to 2017-10-12

Hulilukaarutit
Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurningga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtailiyainnit nuna
River at Black Cliffs	Sampling sites	Crown	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	Located in Sirmilik National Park on Bylot Island
Glacier River	Sampling sites	Crown	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	Located in Sirmilik National Park on Bylot Island
Charles York River	Sampling sites	Crown	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	Located in Sirmilik National Park on Bylot Island
Creswell River	Sampling sites	Inuit Owned Surface Lands	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	N/A
Cunningham River	Sampling sites	Inuit Owned Surface Lands	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	N/A
River on Devon Island	Sampling sites	Crown	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	N/A
Ellice River	Sampling sites	Inuit Owned Surface Lands	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	N/A
Freshwater Creek	Sampling sites	Inuit Owned Surface Lands	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	Cambridge Bay
Garnier River	Sampling sites	Inuit Owned Surface Lands	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	N/A
Jayko River, just upstream of weir	Sampling sites	Inuit Owned Surface Lands	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	N/A
Le Feuvre Inlet (East Side)	Sampling sites	Crown	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	N/A
Mecham River	Sampling sites	Inuit Owned Surface Lands	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	Resolute Bay
Pasley River	Sampling sites	Inuit Owned Surface Lands	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	N/A
Saaqu River	Sampling sites	Crown	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	N/A
Simpson River	Sampling sites	Crown	Collection of river water samples for chemical analysis, including measurement of greenhouse gases.	N/A	N/A
Tingmeak River	Sampling sites	Inuit Owned Surface Lands	Collection of river water	N/A	N/A

			samples for chemical analysis, including measurement of greenhouse gases.		
Shore survey Maxwell Bay	Sampling sites	Crown	Beach surveys on foot and collection of a small number of empty beach shells (5-10) (no excavations required) for radiocarbon dating.	N/A	N/A

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Information is not available			

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq

Kitikmeot
North Baffin

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunavunmi Ihivriunqimut Timiqutigiyanga	ArcticNet multiyear license renewal 0601016R-M	Applied, Decision Pending		2018-03-31
Pulaarviit Kaanata	3 rivers are located in Sirmilik National Park on Bylot Island	Applied, Decision Pending		
Kaanatami Huradjat Munariniq	3 river sampling sites are located in Queen Maud Gulf Migratory Bird sanctuary	Applied, Decision Pending		
Iqalukhiurniqmut Tariuqmilu Kaanata	ArcticNet 2017 Scientific Licence S-17/18-1006-NU	Active	2017-05-23	2018-05-23
Alaanut	Nunavut Impact Review Board ArcticNet license #06YN071	Active		2018-03-31
Alaanut	NPC File # 148573	Applied, Decision Pending		

Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
CCGS Amundsen Helicopter Bell 429	1	N/A	The helicopter of the Coast Guard research icebreaker CCGS Amundsen will be used to access the sampling sites

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Information is not available						

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagani qanuq	Atulirumayain imavaluin utiqittagani humi
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Iqqakuq

Ikkakunik Munakgiyauyunik

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

Avatiliriniqmut Ayurhautingit:

The landscape, flora, and fauna will not be altered in any way. No waste will be produced and no structures of any kind will be erected.

Qanurittuq Ittunik Avatinga: Avatingalluanga

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

Tamatkiuumayunik Ihuikgutivaktunik

Impacts

Iitariyauniq Avatiliriniqmut Ayurhautingit

		PHYSICAL														BIOLOGICAL										SOCIO-ECONOMIC				
		Designated environmental areas														Vegetation										Archaeological and cultural historic sites				
		Ground stability														Wildlife, including habitat and migration patterns										Employment				
		Permafrost														Brds, including habitat and migration patterns										Community wellness				
		Hydrology / Limnology														Aquatic species, incl. habitat and migration/spawning										Community infrastructure				
		Water quality														Wildlife protected areas										Human health				
		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																												
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(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)

Project Map



