



መጀገጥ ፈቃጻሚያዎች ከበተደግኝበት ቀን የጥቅምት ነው #125695

Geology Research in Baffin Bay : REDUCING RISK TO COASTAL COMMUNITIES AND OFFSHORE INFRASTRUCTURES CAUSED BY MARINE GEOHAZARDS AND SEISMICITY

ርሱ መረጃዎች

New

የመልካም ደንብ:

ለመሳሪያዎች

Scientific Research

የመልካም ደንብ:

ሰነድ

5/10/2022 11:07:14 AM

ርሱ መረጃዎች:

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

የመልካም ደንብ:

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ፖ. ៥

៥. የጀት ስራ ማስታወሻ አገልግሎት በአዲስ ዓበባ

ጀት ስራ ማስታወሻ: Project: Geology Research in Baffin Bay : REDUCING RISK TO COASTAL COMMUNITIES AND OFFSHORE INFRASTRUCTURES CAUSED BY MARINE GEOHAZARDS AND SEISMICITYAlexandre Normandeau, Natural Resources Canada The proposed expedition would take place in August or September 2022, depending on vessel availability. The expedition is part of the Geological Hazards in Baffin Bay Activity within the Public Safety Geoscience (PSG) Program of the Geological Survey of Canada, which began in 2012, and is partly funded by NRCAN, CIRNAC and ArcticNet. To date, the activity has resulted in research expeditions in 2013 (NPC 148842, NIRB 13YN021) and 2018 (NPC 148842, NIRB 13YN021) and in 2019 (NPC 149732), as well as community engagement meetings in 2013, 2014, 2015, 2016, and 2019. Information collected during this project will help support community and government decisions on use of offshore areas and provide communities with better knowledge for improving public safety. The proposed research expedition would take place in and around the community of Grise Fiord. The major goals of this proposed research for 2022 would be: -To investigate the stability of the seabed in fjords near Grise Fiord. New imagery of the seabed shows that submarine landslides have occurred in several locations. Baffin Bay experiences a number of earthquakes and iceberg groundings which can trigger submarine landslides. Our research will help to determine the risk for a large submarine landslide happening in the future. -Coring and mapping of coastal environments would allow us to collect evidence of past tsunamis affecting the shoreline, similar to the 2017 Greenland tsunami. In addition, digging in coastal areas may take place using shovels to observe if tsunamis have occurred in the past near the villages. During this type of expedition, we typically collect seabed sediment samples (2 m long gravity cores), seafloor photographs and video, information about the shape of the seabed, and sub-bottom imaging. These instruments will be the same as those used during the 2013, 2018 and 2019 expeditions. The research would take place onboard the Government of Nunavut vessel Nuliajuk. If this project is accepted, the research ship is available in August or September. Research results will be reported back during community visits after the conclusion of the field season or directly following the cruise and will be made publicly available. Results will also be presented at workshops in the North, at science conferences (ArcticNet) and will result in publications in various scientific journals, reports and plain language documents over the months and years following the project.

ጀት ስራ ማስታወሻ: Projet : Recherche géologique dans la baie de Baffin : RÉDUIRE LES RISQUES POUR LES COMMUNAUTÉS CÔTIÈRES ET LES INFRASTRUCTURES OFFSHORE CAUSÉS PAR LES RISQUES GÉOLOGIQUES MARINS ET LA SÉISMICITÉAlexandre Normandeau, Ressources naturelles Canada L'expédition proposée aurait lieu en août 2022, selon la disponibilité des navires. L'expédition fait partie de l'activité Risques géologiques dans la baie de Baffin du programme Géosciences de sécurité publique (PSG) de la Commission géologique du Canada, qui a débuté en 2012 et est en partie financée par NRCAN, CIRNAC et ArcticNet. À ce jour, l'activité a donné lieu à des expéditions de recherche en 2013 (NPC 148842, NIRB 13YN021) et 2018 (NPC 148842, NIRB 13YN021) et en 2019 (NPC 149732), ainsi qu'à des réunions d'engagement communautaire en 2013, 2014, 2015, 2016, et 2019. Les informations recueillies au cours de ce projet aideront à appuyer les décisions communautaires et gouvernementales sur l'utilisation des zones extracôtières et fourniront aux communautés de meilleures connaissances pour améliorer la sécurité publique. L'expédition de recherche proposée aurait lieu dans et autour de la communauté de Grise Fiord. Les principaux objectifs de cette recherche proposée pour 2022 seraient : - D'étudier la stabilité du fond marin dans les fjords près de Grise Fiord. De nouvelles images du fond marin montrent que des glissements de terrain sous-marins se sont produits à plusieurs endroits. La baie de Baffin connaît un certain nombre de

(ArcticNet) ልብር የምርባውን መግቢት አገልግሎት በስምምነት ጥሩ የሚያስተካክል
በመመሪያው መረጃውን የለም መሆኑን የሚያሳይደው የሚከተሉት የሚታወቃውን ዘመን እንደሚሰጠል.

Personnel

Personnel on site: 8

Days on site: 15

Total Person days: 120

Operations Phase: from 2019-08-05 to 2019-08-20

አርብናኩስናኩር

አገልግሎት	የኢትዮጵያውያን አርብናኩስናኩር	የኢትዮጵያውያን አርብናኩስናኩር	የኢትዮጵያውያን አርብናኩስናኩር	የኢትዮጵያውያን አርብናኩስናኩር	የኢትዮጵያውያን አርብናኩስናኩር
Grise Fiord	Scientific/International Polar Year Research	Marine	N/A	N/A	Grise Fiord
Grise Fiord	Marine Based Activities	Marine	N/A	N/A	Grise Fiord

መዕለድ ማረጋገጫ በሚከተሉት የሚከተሉት ማረጋገጫ ማረጋገጫ እንደሆነ የሚከተሉት ማረጋገጫ ማረጋገጫ

መዕለድ	አባላት	የመስቀል ሰዓት	የመስቀል ዓመት
የጥቅምት ማረጋገጫ	Terry Noah	Ausuittuq Adventures	2022-05-09

ᓄΔ៥᷇᷈ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁

ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁:

North Baffin

ᓄΔ៥᷇᷈ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁

ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁	ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁	ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁	ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁	ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁
ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁	ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁	ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁	ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁	ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁
ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁	N/A	Applied, Decision Pending		

Project transportation types

Transportation Type	ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁	Length of Use
Air	Canadian North or First Air flights	

Project accomodation types

ጀ᷂᷀᷁ ለጀ᷀᷁ ለጀ᷀᷁ ዓ᷂᷀᷁

ጀ᷂᷀᷁,

፳፻፲፭ ማኅበር ደንብ

ለፌር ፊዴራል ፌርማውያን ስራውያን ሰነድ ሰነድ በትክክል ሰነድ ተስፋል ተስፋል ተስፋል

| የመሆኑ ለሚሆናል
፳፻፲፭ ማኅበር ደንብ |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Gravity corer | 1 | 6' X 4" | Collect sediment samples |
| R/V Nuliajuk | 1 | 62' | Research Vessel |
| Multibeam echosounder | 1 | attached to ship | Seabed imaging |
| 3.5 kHz echosounder | 1 | attached to ship | Seabed imaging |

በበኩል ማኅበር ደንብ የሚከተሉት ደንብ ደንብ የሚከተሉት ደንብ የሚከተሉት ደንብ

| የመሆኑ
ሻጥሪ ስራውያን
፳፻፲፭ ማኅበር
ደንብ |
|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|
| Hydraulic oil | hazardous | 1 | 3 | 3 | Liters | for ship operations |
| Diesel | fuel | 1 | 0 | 0 | Liters | Fuel for ship (self-contained on vessel) |

፳፻፲፭ ማኅበር ደንብ

የመሆኑ ሻጥሪ ስራውያን ፳፻፲፭ ማኅበር ደንብ	የመሆኑ ሻጥሪ ስራውያን ፳፻፲፭ ማኅበር ደንብ	የመሆኑ ሻጥሪ ስራውያን ፳፻፲፭ ማኅበር ደንብ
14	Desalination by reverse-osmosis onboard ship	Offshore

Q^bC^jC

Q^bC^jC - n-s-Q^as-n

Ɂ- Ɂ- Ɂ-	Ɂ- Ɂ- Ɂ-	Ɂ- Ɂ- Ɂ-	Ɂ- Ɂ- Ɂ-	Ɂ- Ɂ- Ɂ-
Marine Based Activities	Q ^b C ^j C - n-s-Q ^a s-n	N/A	Not disposed of in Nunavut waters. Contained on RV Nuliajuk	All waste stored on board

Q^bC^jC - n-s-Q^as-n

No anticipated environmental impacts

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

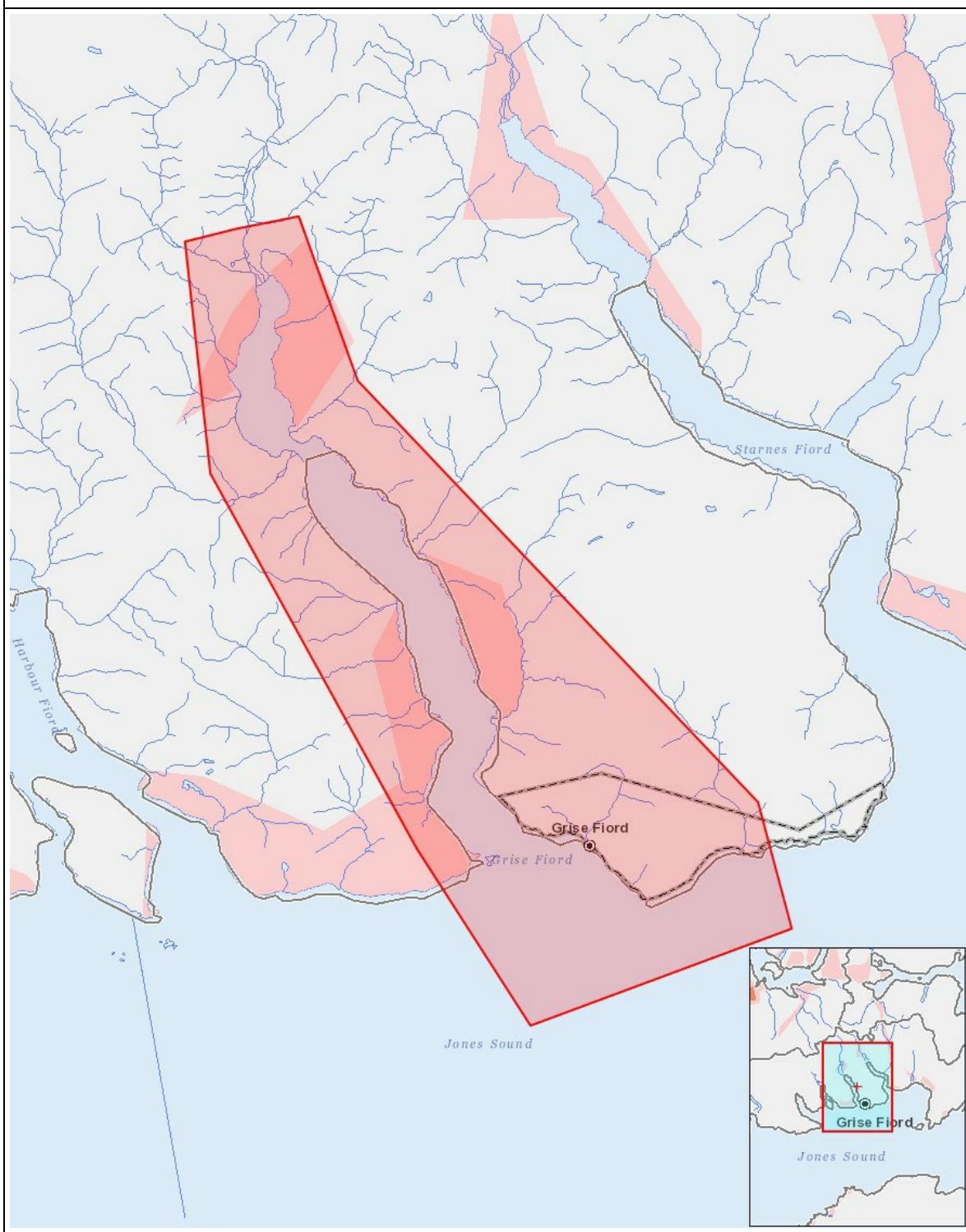
SECTION E2: Nearshore Survey

Impacts

പുതിയ പരിസ്ഥിതി നിർവ്വഹണ കമ്മറ്റിക്സ് ഫോറ്മേഷൻ

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
-	-	-	-	-	-	-	-	-	-	-	-
ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ
-	-	-	-	-	-	-	-	-	-	-	-
ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ	ബന്ധപ്പെട്ട ജീവശാഖ
-	-	-	-	-	-	-	-	-	-	-	-
ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ	ജീവശാഖ
-	-	-	-	-	-	-	-	-	-	-	-
SOCIO-ECONOMIC											
Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health							

(P = ദൈർഘ്യം അനുഭവം ആണും, N = ദൈർഘ്യം അനുഭവം ആണും, C = ദൈർഘ്യം അനുഭവം ആണും, M = ദൈർഘ്യം അനുഭവം ആണും, U = ദൈർഘ്യം അനുഭവം ആണും)



List of Project Geometries

1	polygon	Grise Fiord
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