



NIRB Application for Screening #125613

Qausuittuq National Park, New Temporary Operational Camp at Dundee Bight + Extension for using Dome Camp as a secondary camp

Application Type: New

Project Type: Infrastructure

Application Date: 5/10/2021 12:00:06 PM

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

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

Project Proponent: Valerie Amarualik
Qausuittuq National Park
P.O Box 123
Resolute Bay Nunavut X0A 0V0
Canada
Phone Number:: 867-252-3000, Fax Number::

DETAILS

Non-technical project proposal description

English: Qausuittuq National Park is Canada's 45th National Park, officially established on September 1, 2015. The park is located on the northwest tip of Bathurst Island, including surrounding islands and 2 National Marine Conservation Areas. It is approximately 11,080 square kilometers. There are currently two dome shelters, a shed and an outhouse located in Dome Camp (Erskine Inlet). Dome Camp is well equipped with emergency gear, cookware, non-perishable foods and a first aid kit. It has and continues to provide safe accommodation and shelter to staff, visitors and community members who are accessing the area for operational, visitation, cultural or emergency purposes. Decision was made to seek a new location for the establishment of a main camp, as Dome Camp's location turned out to be in a muddy area, where water is not readily available and where pilots have pointed out safety concerns for landing. Although Dome Camp was intended to close in the event it wouldn't be considered anymore as a permanent location, Qausuittuq National Park would like to keep on operating it as a secondary camp for safety and operational reasons, especially since there is a high number of polar bears frequenting the area. A new temporary operational camp, Dundee Bight, is being considered for a more permanent camp, also as the main airstrip for staff operations. The park is proposing to construct 2 prefabricated 16'X18' hard shelters in the 2021 and 2022 field seasons. The hard shelters themselves will provide safe accommodation for staff, visitors and community members. The area presents good visitor, operational, and ecological monitoring possibilities. Dundee Bight is rich with vegetation and wildlife which would allow staff to monitor the tundra ecosystem in sites that are valuable to the endangered Peary Caribou. Justification of the project: (1) Support visitor experience objectives, by providing an area that can be used as a safe hard sheltered emergency or visitation shelter. Also, the project will ensure that Parks Canada is informing visitors of areas to enter and access the park, areas of cultural history, and safety information. (2) Provide a safe area to be based out of while performing research activities, and supporting other projects associated with establishing ecological monitoring. (3) Meet public safety objectives by gaining a better knowledge of the area and hazards likely to be encountered by visitors, community members, researchers, and Parks Canada staff. (4) Meet objectives set out in the Inuit Impact and Benefit Agreement for Qausuittuq National Park (IIBA). Some of these objectives include visitor access, areas of importance to Inuit, contaminated sites clean-up, training and development of staff, public safety, and management plan development. Activities associated with this project: (1) Construction of two 16'X18' platforms and hard shelters (in 2021 and 2022). (2) Installation of a high tensile portable bear fence (50'X50). (3) There will be tents and canvas shelters assembled for equipment storage and sleeping shelters, but not permanently. (4) Aircraft access (fixed wing and helicopter) to and from the second camp location, which will be constructed in areas suitable to land safely depending on the type of aircraft being operated. (5) Over snow vehicle access during snow covered times of the year. (6) Exploratory hiking, day trips as well as multi-day trips from camp location. (7) Overnighing- exploratory camping, holding in park meetings, and stakeholder meetings (Park Management Committee, community groups). (8) Fuel Cache of approximately 5 drums of fuel during the months of April, May, June, July, and August. All fuel caches will have a BERM and spill kit on site. Any remaining fuel will be brought back to Resolute for proper storage. After 4 operating seasons, Parks Canada will determine if the area is suitable for a permanent operational base camp.

French: Le parc national Qausuittuq est le 45e parc national du Canada, officiellement créé le 1er septembre 2015. Le parc est situé à l'extrémité nord-ouest de l'île Bathurst, incluant les îles environnantes et 2 aires marines nationales de conservation. Sa superficie est d'environ 11 080 kilomètres carrés. Il y a actuellement deux abris sous dôme, un hangar et une toilette sèche situés au camp Dome (Erskine Inlet). Le camp Dome est bien équipé avec du matériel d'urgence, des ustensiles de cuisine, des aliments non périssables et une trousse de premiers soins. Il a fourni et continue de fournir de l'hébergement et un abri sûrs au personnel, aux visiteurs et aux membres de la communauté qui accèdent à la zone pour des raisons opérationnelles, de visite, culturelles ou d'urgence. La décision a été prise de chercher un nouvel emplacement pour l'établissement d'un camp principal, car l'emplacement du camp Dome s'est avéré être dans une zone boueuse, où l'eau n'est pas facilement disponible et où les pilotes ont signalé des problèmes de sécurité pour l'atterrissage. Bien qu'il ait été prévu de fermer le camp Dome dans l'éventualité où il ne serait plus considéré comme un emplacement permanent, le parc national Qausuittuq souhaiterait continuer à l'exploiter en tant que camp secondaire pour des raisons de sécurité et opérationnelles, surtout puisqu'un grand nombre d'ours polaires fréquentent la région. Un nouveau camp opérationnel temporaire, Dundee Bight, est envisagé pour devenir un camp plus permanent, qui servira également de piste d'atterrissage principale pour les opérations du personnel. Le parc propose de construire 2 abris rigides préfabriqués de 16'X18' au cours des saisons 2021 et 2022. Les abris rigides en tant que tels fourniront un hébergement sûr pour le personnel, les visiteurs et les membres de la communauté. La zone présente de bonnes possibilités pour les visiteurs, les opérations et la surveillance écologique. Dundee Bight est riche en végétation et en faune, ce qui permettrait au personnel de surveiller l'écosystème de la toundra dans des sites précieux pour le caribou de Peary, une espèce en voie de disparition. Justification du projet : - Soutenir les objectifs en matière d'expérience des visiteurs, en fournissant une zone qui peut être utilisée comme un abri d'urgence ou de visite sûr et protégé. De plus, le projet permettra de s'assurer que Parcs Canada informe les visiteurs des zones d'entrée et d'accès au parc, des zones d'histoire culturelle et des renseignements sur la sécurité. -

[illegible]

Post-Closure Phase: from to

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Dundee Bight, Qausuittuq National Park	Camp	Crown	Since the creation of the national park in 2015, park staff have been exploring the area for a suitable camp location to support Parks Canada Operations, tourism and research Infrastructure will be built, and another the following year.	No Sites have been found within the existing footprint of the proposed work. As assessment will be conducted to determine whether a cultural resource expert will be required on site during the construction of the hard shelters	The nearest community is Resolute Bay, NU, found 193km southeast of Dundee Bight Camp
Dome Camp, Qausuittuq National Park	Camp	Crown	The Dome shelters were constructed in 2017. They have and continue to provide safe accommodation and shelter for staff, visitors and aommunity members who are accessing the area for operational, visitation, cultural or emergency purposes.	Known archaep;pgical sites within the park have been documented and information is maintained in the Parks Canada Cultural resource Management Archaeological Site Database. No sites have been found within the existing footprint of the camp.	The nearest community is Resolute Bay, NU, found 220km southeast of Dome Camp
Dundee Bight, Qausuittuq National Park	Fuel and chemical storage	Crown	No Previous Infrastructure or fuel stored	No Known features in the immediate area of shelter.	The nearest community is Resolute Bay, NU, Found 193km southeast of Dundee Bight Camp
Dome Camp, Qausuittuq National Park	Fuel and chemical storage	Crown	The Dome shelters were constructed in 2017. There is currently a 6x8x4 ft fuel containment, secondary containment, stored with fuel spill kit.	Known archaeological sites within the park have been documents and information is maintained in the Parks Canada Cultural Resource Management Archaeological Site Database. No sites have been found within the existing footprint of the camp.	The nearest community is Resolute Bay, NU, found 220km southeast of Dome Camp.
Dundee Bight, Qausuittuq National Park	Harvesting Activities	Crown	No previous infrastructure on the site. Local hunters were known to use the Parks Canada	No known features in the immediate area of Shelter	The nearest community is Resolute Bay, NU, found 193km southeast of

			Iglutaaq in the area.		Dundee Bight Camp.
Dome Camp, Qausuittuq National Park	Harvesting Activities	Crown	The dome shelters were constructed in 2017. They have and continue to provide safe accommodation and shelter to staff, Visitors, and local community members who are accessing the area for operational, visitation, cultural or emergency purposes.	No sites have been found within the existing footprint of the camp.	The nearest community is Resolute Bay, NU, found 220km southeast of Dome Camp.
Dundee Bight, Qausuittuq National Park	Researching	Crown	The Dome Shelters were constructed in 2017. They have and continue to provide safe accommodation and shelter to staff, visitors, and community members who are accessing the area for operational, visitation, cultural or emergency purposes.	Known archaeological sites within the park have been documented and information is maintained in the Parks Canada Cultural Resource Management Archaeological Site Database.	The nearest Community is Resolute Bay, NU, found 193km southeast of Dundee Bight.
Dome Camp, Qausuittuq National Park	Researching	Crown	The Dome shelters were constructed in 2017. They have and continue to provide safe accommodation and shelter for staff, visitors, and community members who are accessing the area for operational, visitation, cultural or emergency purposes.	No sites have been found within the existing footprint of the camp.	The nearest community is Resolute Bay, NU, found 220km southeast of Dome Camp.
Dundee Bight, Qausuittuq National Park	Tourism Activities	Crown	Since the creation of the National Park in 2015, Park Staff have been exploring the area for a suitable camp location to support Parks Canada Operations. tourism and research infrastructure will be built and another the following year.	No known features in the immediate area of shelter.	The nearest community is Resolute Bay, NU, found 193km Southeast of Dundee Bight.
Dome Camp, Qausuittuq National Park	Tourism Activities	Crown	The some shelters were constructed in 2017. They have and continue to provide safe accommodation and shelter for staff, visitors, and community members who are accessing	No sites have been found within the existing footprint of the camp.	The nearest community is Resolute Bay, NU, found 220km southeast of Dome Camp.

		the area for operational, visitation, cultural or emergency purposes		
--	--	--	--	--

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Resolute Bay	Nathaniel Kalluk - Chairperson	Qausuittuq Park Management Committee	2019-11-05
Resolute Bay	Andy McDonald - Principal.	Qarmartalik Ilisarvik - Junior High & High School Students	2020-03-05

Authorizations

Indicate the areas in which the project is located:

North Baffin

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Parks Canada	Authorization from Field Unit Superintendent	Applied, Decision Pending		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Twin Otter, Helicopter	
Land	Snowmobile	

Project accomodation types

Temporary Camp

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Aircraft	1	Twin Otter	Personnel and Equipment drop off to site
Aircraft	1	Twin Otter	Drop off 7 crates- Prefabricated hard shelter
Electrical Tools	1	Drills	Assemble Hard Shelter
Generator	1	Generator	Charge tools, Satellite phones, Inreach devices
Heater	1	Buddy Heater	Heat hard shelter and Kitchen tent
Shelter & Platforms	2	16X18	Safety of park staff, visitors, and community members.
Dome Platforms	1	16X16	To minimize footprint impact
Dome Shelters	2	14' diameter	Safety of Parks Staff, visitors and community members
Kitchen Tent Platform	1	8x10	To minimize footprint impacts
Shed with attached outhouse	1	6X8	Storage and outhouse
Electric bear Fence	1	50X50	Safety of Park staff, visitors, and community members
Canvas Tent	1	8x10	Kitchen Tent
Nylon Tent	4	4x6	Individual Sleeping tent
Iglutaaq on Qamutiik	1	6x10	Sleeping/storage

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	205	205	Liters	Geo-Stove
Gasoline	fuel	2	205	410	Liters	Generator
Propane	fuel	2	20	40	Lbs	Buddy Heater

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
1	Park staff will collect water in 5L water jugs.	River at Dundee Bight Camp

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Camp	Greywater	3L a day	A 2ft deep x 1ft wide pit will be dug to dispose of grey water. Grey water will be put through a strainer to ensure no food scrapes are deposited into pit. 200m away from any water source.	n/a
Camp	Sewage (human waste)	3L a day	Urine will be disposed of in the grey water pit. Disposa-John bags will be used for poop, they are a one time use resealable bag. All used Disposa-john's will be placed in a 205L sealable Barrel and be brought back to Resolute bay to be disposed of.	6 Mil bags are used to line the barrels.

Environmental Impacts:

see attached project description and site assessment. There will be some compaction of the soils around the site with increased foot traffic and the temporary camp. Low impact camping practices will be used. There are potential tent circles in the area (that information still needs confirmation), but the camp would be across the river from that site. Furthermore, staff are well aware of how to avoid disturbing archaeological/cultural sites. Fuel will be stored with secondary containment and a spill kit will always be available on-site. Waste will be packed in waste bags and transported out to Resolute for proper disposal. The Camp Area will be restricted to a 50 x 50 bear fence to minimize impact.

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

Description of Existing Environment: Physical Environment

see attached documents

Description of Existing Environment: Biological Environment

see attached documents

Description of Existing Environment: Socio-economic Environment

see attached documents

Miscellaneous Project Information

see attached documents

Identification of Impacts and Proposed Mitigation Measures

see attached documents

Cumulative Effects

see attached documents

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																									
Camp	-	-	-	-	-	-	-	-	-	-	-	M		N	N	N	-	-		-	-	-	-	-	-
Operation																									
Camp	-	-	-	-	-	-	-	-	-	-	-	M		N	N	N	-	-		-	-	-		P	-
Decommissioning																									
-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-	-

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

- | | | |
|---|-------|--|
| 1 | point | Dundee Bight, Qausuittuq National Park |
| 2 | point | Dome Camp, Qausuittuq National Park |