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NIRB BOARD

UNAVUT IMPACT REVIEW BOARD
NUNAVUMI AVATILIKIYIN KATIMAYIN

NIRB Uuktuutinga Ihivriuhikhamut #125150

Jericho Site Stabilization Project- Amendment

Uuktuutinga Qanurittuq:	New
Havaap Qanurittunia:	Halumakhinnikmun
Uuktuutinga Ublua:	6/5/2017 9:48:40 AM
Period of operation:	from 2017-07-01 to 2019-01-01
Piumayaat Angirutinga:	from 2017-07-01 to 2019-01-01
Havauhikhaq Ikayuqtinga:	Michael Westlake INAC 10th floor, 25 Eddy Street Gatineau QC K1A 0H4 Canada Hivayautil Nampanga:: 819-639-7344, Kayumiktukkut Nampanga::

QANURITTUT

Tukihinnaqtunik havaariyauyumayumik uqauhiyun

Qablunaatitut: The following are two proposed modifications for the Jericho Site Stabilization Project: 1) INAC on behalf of DFO proposes to remove the jetty which is in Carat Lake. The objective of this is to create approximately 1,207 m² fish habitat of Carat Lake through the development of an underwater rock shoal by excavating the existing causeway to at least 2 meter below normal summer water levels. All infrastructure associated with the water intake jetty will first be removed before excavations will commence. The reclamation of the causeway will be based on Tahera Diamond Corporation's design plan found in their Closure and Reclamation Plan Update Report (April 2007) which is attached for reference. In the report, the causeway is suggested to be "cut to 2m below the normal summer water level from the northern extent back to a water depth of 3.5m. From 3.5m water depth to 1m the causeway will taper up. The reclaimed causeway will intersect surface near the shoreline." This work will be conducted between July 1 to Aug 31 so as to not have any adverse impacts on the aquatic ecosystem. To isolate the jetty from the lake during the construction, silt booms and/or silt curtains will be used as sediment and erosion control measures. Additional sediment and erosion control measures that will be considered during in water workings are available on the DFO website at <http://www.dfompo.gc.ca/pnwppe/measures-mesures/measures-mesures-eng.html> . A qualified biologist or environmental inspector will be on site during all in-water restoration/construction works . 2) As a contingency measure to aid in the removal of the frozen core West Dam, explosives may be used. The details of this can be found in the attached document prepared by Outcome Consultants and Rowes Construction.

Uiviiitut: This project does not fall within the boundaries of a french speaking region. Should this be an issue INAC will get french translation of our project summary.

Inuktitut: Summary sent to translation

Inuinnaqtun: Summary sent to translation

Personnel

Personnel on site: 500

Days on site: 180

Total Person days: 90000

Period of operation: from 2017-07-01 to 2017-09-30

Proposed term of operation: from 2017-07-01 to 2019-01-01

Hulilukaarutit**Hulilukaarutit**

Inigiya	Hulilukaarut Qanurittuq	Nunangga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannuqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtailyainnit nuna
Jericho	Site Cleanup/Remediation	Crown	same as original application: "16UN052 Jericho Site Stabilization Project"	same as original application: "16UN052 Jericho Site Stabilization Project"	same as original application: "16UN052 Jericho Site Stabilization Project"

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Information is not available			

Angiuttauvaktunik**Naunaiqlugu nunanga talvani havauhikhaq ittuq**

Kitikmeot

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirufinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunaqaqqaqhimayuliriyikku Ukiuqtaqtumi Pivallianiq Kaanata	Land-Use Permit	Active		
Kitikmeot Inuit Katimayyingit	Access to IOL	Applied, Decision Pending		
Nunavut Imaligiyyit Katimayit	Water Licence	Active		

Ihuaqutivaluin Atuatayukhan

Hanalrutit atuatunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

Hanalrutit Qanurittuq	Qaffiyut	Aktikkulaanga – Qanurittullu	Qanuq Atuatuniarmanngaa
explosives	40,000kg maximum	n/a	removal of frozen core West Dam
all other equipment has been previously approved under "16UN052 Jericho Site Stabilization Project"	n/a	n/a	remediation/site clean-up

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiyut qattaryut	Qattaryuk Aktikkulaanga	Atautilimut Qaffiyut	Ilanga	Qanuq Atuatuniarmanngaa
Information is not available						

Imaqmik Aturninnga

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

Iqqakuq

Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraalukut Atuatit	Qanuq Iqqakuurniarmanngaa	Halummaqfirarnirutikhan piyutin
Information is not available				

Avatiliriniqmut Ayurhauingit:

Please see original application: "16UN052 Jericho Site Stabilization Project"

Qanurittut Ilangani 2

Havauhikhaq Naunaitkutat

DFO Aulapkainiqmut Uqaqtait (OS) Angirutingit

Ingilradjutit

Havakvikmi Initurlinga

Hanalrutit

Imaktiggut

Iqqakuqhaq Imaq (Qirnarivyaktuq imaq, Anaq, Quq, Aadla)

Ukhukyuattigut

Qayangnaqtu unalu Qayangnaqtut Hunavaluit

Havakvik unalu Havaktuliriyiitkut/Inungit-Maniliurniqmut Ayurhautingit

Inuit Ilauiniq/Utuqqanik Ilihimanik

TTITRAQNINNGANI F: Iniriyatik Kiklimmaqirlugu/Utiqtigiarlugulu Ilittuqhiraluanganut: Havauhikhaq Naunaitkutaq

The following are two proposed modifications for the Jericho Site Stabilization Project "16UN052": 1) INAC on behalf of DFO proposes to remove the jetty which is in Carat Lake. The objective of this is to create approximately 1,207 m² fish habitat of Carat Lake through the development of an underwater rock shoal by excavating the existing causeway to at least 2 meter below normal summer water levels. All infrastructure associated with the water intake jetty will first be removed before excavations will commence. The reclamation of the causeway will be based on Tahera Diamond Corporation's design plan found in their Closure and Reclamation Plan Update Report (April 2007) which is attached for reference. In the report, the causeway is suggested to be "cut to 2m below the normal summer water level from the northern extent back to a water depth of 3.5m. From 3.5m water depth to 1m the causeway will taper up. The reclaimed causeway will intersect surface near the shoreline." This work will be conducted between July 1 to Aug 31 so as to not have any adverse impacts on the aquatic ecosystem. To isolate the jetty from the lake during the construction, silt booms and/or silt curtains will be used as sediment and erosion control measures. Additional sediment and erosion control measures that will be considered during in water workings are available on the DFO website at <http://www.dfompo.gc.ca/pnwppe/measures-mesures/measures-mesures-eng.html> . A qualified biologist or environmental inspector will be on site during all in-water restoration/construction works . 2) As a contingency measure to aid in the removal of the frozen core West Dam, explosives may be used. The details of this can be found in the attached document prepared by Outcome Consultants and Rowes Construction.

Qanurittuq Ittunik Avatinga: Avatingalluanga

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

Tamatkiumayunik Ihuikgutivaktunik

Impacts

Iitariyauniq Avatiliriniqmut Ayurhauingit

	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																									
Site Cleanup/Remediation		-	-	-	-	-	-	-	-	M	-	M	-		M	M	M	P	-		P	-	-	-	-
Piiqtauniq																									
Site Cleanup/Remediation		-	M	-	-	-	-	-	-	M	-	M	-		M	M	M	P	-		P	-	-	-	-

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

Project Map

