



Visitor experience at the Erebus Wreck Site

New

$$\gamma_{\text{C}} \gamma_{\text{b}} \gamma_{\text{C}} \gamma_{\text{b}}$$

7/13/2017 9:09:25 AM

from 2017-09-09 to 2017-09-11

from 2017-09-08 to 2017-09-11

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$\gamma_b \Delta^c \dot{\gamma} \Pi \sigma^b \quad \Lambda c_n d^{\gamma_b} \sigma d_n d^{\alpha_L} \sigma^b$

٩٠٦٤٣٢١٠: Project Description Visitors will be brought into the 10 x 10 National Historic Site by small, motorized vessel (including but not limited to: dingy, life boat, motor yacht, inflatable, cuddy boat, etc). The goal is to view the wreck of HMS Erebus from the surface. There will be no opportunity to dive down to the wreck site itself. For this year, it is proposed that there will be 2 small boats carrying 12 passengers each (including driver and guide) directly above the wreck at any given time, plus at least 1 auxiliary boat to provide safety support and emergency response. Over the course of 8 hours, a maximum of 200 visitors (100 is more likely) will visit the wreck by zodiac, in shifts. Additional small vessels (up to 17) may be present in the 10x10 National Historic Site, shuttling staff and visitors to the temporary camp. On-site activities will include:

- o Visiting the temporary camp on a nearby island (as described in NIRB #15YN037). This will act as a staging area for in boat, and in water activities. Changing and warming tents will be provided, as well as a portable toilet tent.
- o snorkelling above the wreck according to guidelines provided by PCA Underwater Archaeology Team (below)
- o use of bathyscopes from small vessels, over the wreck site
- o viewing, on iPad, of PCA UAT-manned ROV footage

There will be no permanent structures, excavation, or site modification. No waste will be left on site.

Les visiteurs seront introduits dans les 10 x 10 lieu historique national par petit bateau motorisé (y compris mais sans s'y limiter: miteux, bateau de sauvetage, yacht à moteur, bateau gonflable, cuddy, etc.). L'objectif est de voir l'épave du HMS Erebus de la surface. Il n'y aura pas possibilité de plonger vers le site de l'épave elle-même. Pour cette année, il est qu'il y aura proposé deux petits bateaux transportant chacun 12 passagers (y compris chauffeur et guide) Directement au-dessus de l'épave à tout moment, plus au moins un bateau auxiliaire pour assurer la sécurité et le soutien des interventions d'urgence. Au cours de 8 heures, un maximum de 200 visiteurs (100 est plus probable) visitera l'épave en zodiac, en quarts de travail. D'autres petits vaisseaux (jusqu'à 17) peuvent être présents dans le lieu historique national 10x10, la navette personnel et des visiteurs au camp temporaire.

[illegible]

Personnel on site: 210
Days on site: 1
Total Person days: 210
Period of operation: from 2017-09-09 to 2017-09-09
Proposed term of operation: from 2017-09-08 to 2017-09-11

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WET National Historic Site	Marine Based Activities	Marine	10 x 10 is part of Wrecks of HMS Erebus and HMS Terror National Historic Site	home of the wreck of HMS Erebus	Gjoa Haven and Cambridge Bay are the communities associated with the National Historic Site.
WET National Historic Site	Camp	Crown	While the water column of the 10x10 are fall under the protection of Parks Canada, the islands in this area are administered under INAC. Application for their use is with NIRB project #15YN037	Govt of Nunavut Dept of Culture and Heritage is advising on cultural sites in the area and we are avoiding them.	The National Historic Site is associated with Gjoa Haven and Cambridge Bay

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ᐅᖅᓯᖅᓭᖅ		Franklin Interim Advisory Committee	2016-08-31
ᐅᖅᓯᖅᓭᖅ		Franklin Interim Advisory Committee	2016-12-07
ᐅᖅᓯᖅᓭᖅ		Franklin Interim Advisory Committee	2017-02-23
ᐅᖅᓯᖅᓭᖅ		Franklin Interim Advisory Committee	2017-01-24
ᐅᖅᓯᖅᓭᖅ		Community and other organizations	2017-06-05
ᐅᖅᓯᖅᓭᖅ		Franklin Interim Advisory Committee	2017-05-04
ᐅᖅᓯᖅᓭᖅ		Franklin Interim Advisory Committee	2017-06-13

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உரிமையாளர் அல்லது அங்கீகரிக்கப்பட்ட நபர்

Kitikmeot

ՀԱՆՐԱՊԵՏՈՒԹՅԱՆ ԿՐԹԱԿԱՆ ԿԵՆՏՐՈՆ

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<p>ፌዴራል ግዛት የፌዴራል ግዛት የፌዴራል ግዛት የፌዴራል ግዛት የፌዴራል ግዛት</p>	<p>Field unit approved in principle, pending NIRB screening.</p>	<p>Applied, Decision Pending</p>		
<p>ፌዴራል ግዛት የፌዴራል ግዛት የፌዴራል ግዛት የፌዴራል ግዛት የፌዴራል ግዛት</p>	<p>Access to INAC lands applied to through separate project NIRB file # 15YN037.</p>	<p>Applied, Decision Pending</p>		

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Bathyscopes	10	15x24 inches	to see underwater
snorkels, mask, drysuit	30	6' x 2'	for people to wear in the water to see the wreck

[illegible][illegible]
$$\Delta L^{\epsilon_b} \triangleleft \mathcal{D}^{\epsilon_b} \subset \mathcal{D} \triangleleft \dot{L}^{\epsilon_b} \subset \mathcal{D}^{\epsilon_b}$$

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 $\triangleleft^b C d^c$
$$\Delta^b C d_c n_\sigma \Delta^s \sigma^s$$
[illegible]

4907DC^c 4^b5^bCDPL^c

Predicted impacts are minimal. Zodiacs will be in the area for a few hours each, and people will be in the water for an even shorter time. Please see Details part 2 for mitigation measures for protection of cultural resource.

[illegible]

bacΓ ΔL⁹PDc-α⁷d^c dD^cL⁷ΔN⁶L^a-ω^c Dσ^bb̄^{9b} Lc^bK̂

$\Delta^{\circ} \text{f}^{\circ}_{\text{H}}(\text{C}_6\text{H}_6) = -92.0 \text{ kJ mol}^{-1}$

3A^a 6A^b

4^{9b} 2^{9b} 1^{9c} 4 3 2 1 4^{9b} 3^{9b}

 ΔL^{96}

ΔLΔ^c ΔD^{fb}CD^{fb}Δ^c, ΔD^{fb}CD^c, ΔD^{fb}Δ^c

▷ 9b 9b 9c

$\Delta^C C_{\text{e}}^{f_b} D^{f_b} C \dot{-}^C \quad \Delta_c D^{f_b} L^{f_b} L \dot{-}^c$

[illegible]

Δ_ωΔ^c Δ_c▷ΠC▷σ^ωΓ^c/Δ_ωΔ^c 'ῆ▷ΓL▷^ωΓ^c

The project has been endorsed by the Franklin Interim Advisory Committee - a board created to support management decisions of the site in the absence of both an IIBA and a management plan. This board consists of decision-makers from their respective organizations, including: Gov't of Nunavut Dept of Culture and Heritage, Dept, Economic Development and Transportation; Kitikmeot Inuit Association; Inuit Heritage Trust; Nattalik Heritage Society; Nunavut Tourism; Parks Canada and representatives from the communities of Gjoa Haven and Cambridge Bay. It is co-chaired by Fred Pederson of KitIA and Jarred Picher of Parks Canada. This project has been under discussion with this group since Sept 1, 2016, with regular updates at their monthly meetings. Excerpts of meetings provided in activities section attachments. This management board will continue to be involved in the decision making for the site, until such time as there is a signed IIBA which informs a different strategy for cooperative management. The Guardian Program and their role in protecting and presenting the NHS is a priority of the FIAC committee. The program has been discussed at length with both the Economic Development Officer in Gjoa Haven and the Hunters and Trappers Organization. The program was presented by the Franklin Project Manager during a June 5-10th visit to Gjoa Haven. In all, she met with or presented to over 150 people in person and many more at a distance including at the Nattilik Heritage Centre AGM, a Hamlet Council Meeting, the Hunters and Trappers Association, teachers and the community at large. In general the feedback was positive and community members supported all plans and projects.

that were presented. The audiences were receptive and appreciative. Key results include: The Hunters and Trappers Association and others in the community were supportive of the Guardian Program. The HTA identified 2 locations for the Guardian camps, one on the east side of Terror Bay and one on an island south east of the Erebus wreck site. Their presence on site this summer will provide additional information on where and how the program will be run.

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up to 20 zodiacs, each with one driver. Route into the 10x10 NHS will depend on which navigation channel (north or west) is selected by the ship captain (NIRB file # 125040)

[illegible]

Visit is inside of National Historic Site. Cultural resource is located on the ocean floor.

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NA

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Site is location of the wreck of HMS Erebus. The wreck site is about 125 km from Gjoa Haven, which is the closest community, and the community has indicated harvesting ringed seal, bearded seal and cod in the area. They are eager to participate in tourism activities at the site through the guardian program. Territorial archeologists are in close contact with us to ensure we stay clear of archeological sites. A site visit of the area was undertaken by FIAC in Sept 2, 2016 and neither of the community members indicated prior visits to or knowledge of traditional use of the area; it was identified that more needs to be learned about the area. An Oral History project - which is in its early stages - will help address this need.

[illegible]

We see the long term potential socio-economic impact as being positive through the development of Inuit operated tourism business to protect and present the wreck site. This pilot will inform what the opportunities and constraints will be in to the future. As people will simply be getting in the water from small vessels, we see the biological impacts a mostly negligible. Potential for spills are minimal, tanks will not be filled in the region. NO contact with marine life will be permitted. Proposed Mitigation for cultural resource: - Parks Canada staff present at all times. - Anchoring on site is prohibited. - Snorkelling is permitted on the surface only, no breath hold dives or any descent below surface. - The use of any weights that would enable a diver to leave the surface is prohibited. - Any contact with or disturbance of archaeological remains (shipwreck or other), marine life or other part of the surrounding underwater environment is prohibited. - Any item dropped on site is not to be retrieved and will be reported to Parks Canada immediately - Any disturbance whether intentional or accidental will be reported to Parks Canada immediately. - Collection of any archaeological remains, marine life or other souvenirs from the site or nearby islands is prohibited. - Snorkelers must be in visual contact with the boat/tour operator at all times. - NO use of GPS or any positioning devices (GPS function in personal cameras must be off) - Cameras permitted in 10x10, and on-board zodiacs, but not in water - Snorkelling is managed by a snorkel supervisor with experience in cold-water environments

Impacts

PHYSICAL	
Designated environmental areas	-
Ground stability	-
Permafrost	-
Hydrology / Limnology	-
Water quality	-
Climate conditions	-
Eschers 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	-

$$(P = \langle b \rangle \Delta^a \cap \langle a \rangle \Delta^b)^c, N = \langle b \rangle \Delta^a \cap \langle \langle \Delta \rangle \Delta^a \Delta^b \rangle^c \langle \langle \Delta \rangle \Delta^a \Delta^b \rangle^c \langle \langle \Delta \rangle \Delta^a \Delta^b \rangle^c, M = \langle b \rangle \Delta^a \cap \langle \langle \Delta \rangle \Delta^a \Delta^b \rangle^c \langle \langle \Delta \rangle \Delta^a \Delta^b \rangle^c \langle \langle \Delta \rangle \Delta^a \Delta^b \rangle^c, U = \langle b \rangle \Delta^a \cap \langle \langle \Delta \rangle \Delta^a \Delta^b \rangle^c$$

Project Map

