ᖃᐅᔨᓴᖅᑕᐅᓂᖏᓐᓄᑦ ᑐᓴᖅᑎᑦᓯᐊᕐᓂ

ᐃᓄᐃᑦ ᐃᓱᒪᑎᓕᒥᓂᒃ ᐅᖃᐅᓯᖏᓐᓂᒃᑯᓗᒃᑐᑦ

NIRB File No.: 20YN008

ᐱᓕᕆᐊᖓᔪᑦ ᐊᑎᖓᒐᓱ:	The **"Re-estimating the abundance of the Lancaster Sound (LS) Polar Bear subpopulation via genetic mark-recapture sampling"** project
ᓇᖕᒥᓂᖅᓯᒪᔪᑦ ᐊᑎᖓᒐᓱ:	ᓄᓇᕗᒻᒥ ᓴᖅᓚᖅᓯᑦ (GN)
ᐱᓕᕆᐊᖓᔪᖅ:	Research
ᐊᐃᖅᓯᒪᓂᖅ: ᖃᑭᖅᑕᓂ (North Baffin) Region
ᐊᖏᑎᓕᕆᓚᖅᓯᑦ ᖃᓄᑕᐅᔭᖓᓐᓂᒃ: www.nirb.ca	Application No.:125513
ᐅᖃᐅᓯᓕᕆᓂᑦ ᐃᓱᓕᔭᕐᓗ:	**May 7, 2020**

ᐱᓕᕆᐊᖓᔪᓂᐊᖅᑐᖅ:

ᐱᓕᕆᐊᖓᔪᓂᐊᖅᑐᖅ "Re-estimating the abundance of the Lancaster Sound (LS) Polar Bear subpopulation via genetic mark-recapture sampling" ᐊᐃᖅᓯᒪᓂᖓᓂ ᓄᓇᕗᑦᑐᑦ ᓇᓂᔨᐅᔪᓐᓇᖅᑐᖅᑐᖅ ᐅᖏᓐᓂ Qikiqtani (North Baffin) ᐅᖓᓚᓕᓐᓂᖅᓴᓐᓂᒃ 470 000 square kilometres ᑭᓪᓗᑐᑦ ᓄᓇᕗᒻᒥᑦ Arctic Bay, Resolute Bay and Grise Fiord are within the boundaries of the proposed study area while Pond Inlet is the nearest community outside of the proposed study area. ᓇᖕᒥᓂᖅᓯᒪᑐᖅ ᐱᓕᕆᐊᖅᑐᐊᖅᑐᖅ ᐅᔪᓂᖓ The Proponent intends to conduct a three (3) year study (2021-2023) involving genetic biopsy mark-recapture techniques to reassess the size and status of the Lancaster Sound Polar Bear subpopulation in order to provide appropriate management advice to the Nunavut Wildlife Management Board ᐱᓕᕆᐊᖓᔪᓂᐊᖅᑐᖅ ᐊᔪᓂᐅᑎᓂᓂᐊᖅᑐᖅ ᐅᖏᓐᓂ August 2020 ᐃᓱᓕᔭᕆᓂᖅᓯᒪᓗᓂ September 2024. ᐱᓕᕆᐊᖓᓂᐊᖅᑐᖅ ᓇᓗᓇᐃᖅᑕᐅᓱᒪᔪᖅ ᓄᓇᕗᒻ ᐊᖏᑎᓕᕆᓚᖅᓴᓂᓕ ᐅᔪᓂᖓ ᐱᓕᕆᐊᖅᓯᓂᐊᖅᓯᓗᓂ:

- Fuel caching activities to occur in 2020 to include:
  - Use of twin otter aircraft to transport aviation fuel to caching locations previously used by the Polar Continental Shelf Program; and
- Research activities through 2021-2023 to include:
  - Work with local Hunters and Trappers Organizations to design and implement a comprehensive survey using genetic biopsy sampling;
  - Setup and use of temporary camps within the study area (possibly Creswell Bay, Gascoyne Inlet, Polar Bear Pass camp, Fort Ross):
- Use of generators at temporary camps;
- Transportation, storage and use of fuel for camp purposes (gasoline, aviation fuel, diesel)

ᐊᖏᑎᓕᕆᓚᖅᓴᓂ ᖃᓄᑕᐅᔭᖅᓂ ᖃᐅᔨᓪᓚᕆᐊᑎᓂᓕ ᑕᓂᔨᓇᓐᓂᖅᓯᒪᔪᓕ ᑎᑎᖃᖅᖃᖅᓯᓗᓂ NIRB File No.:**20YN008** ᐱᓕᕆᐊᖓᓂᐊᖅᑐᖅᑐᑦ ᐃᓗᓕᖕᒥᓂᖅ, ᓄᓇᖓᐊᖅᓂᖅ, ᐃᓄᖓᓕᓗ ᐅᖃᖅᓴᖅᓯᒪᒥᖅ ᑎᑎᕋᓴᖅᓯᖅᖃᖅᓯᓗᓂ.

ᐅᖃᐅᓯᖏᓐᓂᖅ ᑐᓴᐅᒃᑐᓂ

**ᐃᓕᐅᖃᖅᑕᐅᔪᓂᐅᓚᐊᖅᓗᑎᑦ ᐅᖃᖅᐅᓯᖏᓐᓂᖅᓯᓗᑎᑦ ᐊᖏᑎᓕᕆᓚᖅᓴᓂᓄᓘᓂ ᐊᐃᖅᓯᒪᓂᐊᖅᑐᖅᑐᒪᓂ ᖃᓄᐃᓕᐅᕈᑎᑦ ᐃᓱᓪᓗᒥᓂ ᐊᑐᓕᕆᓂᖅᓴᓂᒃ ᐃᓕᐅᖃᖅᑕᐅᔪᓂ, ᐊᓚᓗᓂ ᐃᓕᐅᖃᖅᑕᐅᔪᓂ ᐊᑐᓕᕆᓂᖅᓴᓂᒃ ᐊᖏᑎᓕᕆᓚᖅᓴᓂᓄᓘᓂ ᑕᐃᔨᓐᓂᒃᑯᓗᒃᑐᑦ ᐅᖃᖅᐅᓯᖏᓐᓂᖅᓯᓗᑎᑦ ᐊᖏᑎᓕᕆᓚᖅᓴᓂᒃ ᐅᖃᐅᓯᖏᓐᓂᖅᓯᓗᑎᑦ ᐊᑐᓕᕆᓂᖅᓴᓂᒃ ᐊᖏᑎᓕᕆᓚᖅᓴᓂᓄᓘᓂ