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Demande de la CNER faisant l'objet d'un examen préalable #125304

Migratory and breeding ecology of birds facing global environmental change.

Type de demande : New
Type de projet: Scientific Research
Date de la demande : 3/28/2018 3:17:34 PM
Period of operation: from 0001-01-01 to 0001-01-01
Autorisations proposées: from 0001-01-01 to 0001-01-01
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DÉTAILS

Description non technique de la proposition de projet

Anglais: Document is attached.

Français: No document attached as this project takes place in the Kitikmeot region.

Inuktitut: No document attached as this project takes place in the Kitikmeot region.

Inuinnaqtun: Document is attached.

Personnel

Personnel on site: 5

Days on site: 40

Total Person days: 200

Operations Phase: from 2018-05-14 to 2018-08-31

Activités

Activités

Emplacement	Type d'activité	Statut des terres	Historique du site	Site à valeur archéologique ou paléontologique	Proximité des collectivités les plus proches et de toute zone protégée
2018_Lamarre_temporary_camp	Scientific/International Polar Year Research	Crown	N/A	N/A	N/A
2018_Avian_predator_surveys	Scientific/International Polar Year Research	Crown	N/A	N/A	N/A
2018_Arthropod_traps	Scientific/International Polar Year Research	Crown	N/A	N/A	N/A
2018_Icebreaker Channel goose colony survey	Scientific/International Polar Year Research	Crown	N/A	N/A	N/A
2018_Anderson bay goose colony survey	Scientific/International Polar Year Research	Inuit Owned Surface Lands	N/A	N/A	N/A

Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Information is not available			

Autorisations

Indiquez les zones dans lesquelles le projet est situé

Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Service canadien de la faune	CWS scientific permit	Not Yet Applied		
Institut de recherche du Nunavut	Wildlife research permit	Not Yet Applied		
Office des eaux du Nunavut	NWB authorization; for activities using less than 50 m3 water per day	Not Yet Applied		

Project transportation types

Transportation Type	Quantité	Utilisation proposée	Length of Use
Air	0	Helicopter bell 2016	
Land	0	Snowmobile, ATV and foot	

Project accommodation types

Temporary Camp

Utilisation de matériel

Équipement à utiliser (y compris les perceuses, les pompes, les aéronefs, les véhicules, etc.)

Type d'équipement	Quantité	Taille – Dimensions	Utilisation proposée
Research - Motion triggered cameras	20	5-1/2"H x 4-1/2"W x 3" D	Monitoring of wildlife (nest predators or dens) and habitat. Most equipment will be installed for a short period of time and few may be installed more permanently to record habitat variation through the year. They will be frequently visited (minimum once a month.
Research - Temperature probes for nests.	60	2"H X 2"W X 2"D	Monitoring of bird nest temperature. Logger is few feet away from nest and a small cable leads to the probes in the nest. Probes are not affecting predation rate. They will help us know how steadily the birds incubate and if the nest hatch.
Research - Trapping equipment	175	see in proposed use	Up to 9 small traps for invertebrate (15"H X 15"W X 3"D) - Duration of use is 3 months. Traps will be revisited each 2-3 days. Up to 20 larger traps for invertebrate (6.5"H X 5"W X 5"D) - deployed for extended periods (two to eight weeks) Up to 2 bird traps (Max 6' diameter, flat) - Traps will be monitored at all times (capture time generally less than one hour) Up to 144 lemming traps. (15"H X 15"W X 3"D) - Duration of use is 2 weeks. Traps will be revisited frequently (Twice a day).

Décrivez l'utilisation du carburant et des marchandises dangereuses

Décrivez l'utilisation de carburant :	Type de carburant	Nombre de conteneurs	Capacité du conteneur	Quantité totale	Unités	Utilisation proposée
Aviation fuel	fuel	0	0	0	Liters	Helicopter use will require fuel but as the length of travel planned is small (under 500 km) we do require fuel caches and helicopter will be based solely at Cambridge Bay airport.
Gasoline	fuel	2	20	40	Liters	ATV, Snowmobile and Generator run on unleaded gasoline and a small quantity will be stored at camp in jerry cans on top of a spill containment tray

						with absorbent. Up to four 20L jerry can will be stored on site
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Consommation d'eau

Quantité quotidienne (m3)	Méthodes de récupération de l'eau proposées	Emplacement de récupération de l'eau proposé
1	20 L Jugs carried by foot.	Nearby camp.

Déchets

Gestion des déchets

Activités du projet	Type des déchets	Quantité prévue	Méthode d'élimination	Procédures de traitement supplémentaires
Scientific/International Polar Year Research	Eaux grises	20 L per day maximum	Grey water (coming from dishwashing) will be filtered to remove all particles bigger than 2mm diameter. Water will be drained in a hole in the ground away from water bodies. Hole will be away from camp and covered to avoid attracting wildlife to it. Biodegradable soap will be used. Particles filtered will be disposed in the trash and stored in bear proof containers.	N/A
Scientific/International Polar Year Research	Eaux usées (matières de vidange)	Up to 1 kg per day (for 5 persons at camp).	Human waste will be collected at camp and brought back to Cambridge for appropriate disposal.	Containers will be sealed when not in use to avoid attracting wildlife.

Répercussions environnementales :

A small temporary camp setting will be used. This camp will hold 1 cooking tent and up to 5 personal tents. Camp locations will change each 5 days. We will prefer barren ground/sandy area to reduce disturbance to the tundra at a minimum and will avoid wetland areas. Fuel will be stored on a spill containment tray and absorbent will be readily accessible to deal effectively with any fuel spill. Bear detectors and noise deterrent will be deployed during the whole duration of the camp. All food will be stored in tight containers to avoid smell and all trash will be collected in bear proof containers and brought back to Cambridge Bay. Low to no impact on the environment is expected.

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 de l'environnement existant : Environnement physique

Description de l'environnement existant : Environnement biologique

Description de l'environnement existant : Environnement socio-économique

Miscellaneous Project Information

Identification des répercussions et mesures d'atténuation proposées

Répercussions cumulatives

Impacts

Identification des répercussions environnementales

Construction																							
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Exploitation																							
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Désaffectation																							
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(P = Positive, N = Négative et non gérable, M = Négative et gérable, U = Inconnue)