



**ᐅᓂᑦᓴᓄᓇᓂᑦ:** FERGUSON LAKE PROJECT AND PROPERTY DESCRIPTION The Ferguson Lake Project is an advanced Ni-Cu-Co-PGE exploration property 100% held by private Ontario incorporated company Canadian North Resources and Development Corp. (CNRD). Between the years 1949-57 the property area was explored by INCO then it was acquired by Starfield Resources Inc. in 1999 whereupon a number of different exploration methods were used to study and advance the project including airborne and surface geophysical surveys, surface geochemistry programs and diamond drilling. CNRD acquired the project from Starfield under bankruptcy protection in June, 2013. The Ferguson Lake property consists of 29 active mineral claims and 10 mining leases comprising an area of 28,128 hectares (69,476 acres) 100% held by Canadian North Resources and Development Corporation (CNRD). The property is located in the Kivalliq region of southern Nunavut Territory some 240 kilometres west of Rankin Inlet and 160 kilometres south-southwest of Baker Lake. Ferguson Lake, central to the large property area, is midway between Yathkyed and Qamanirjuaq Lakes. The property encompasses an area consisting of three contiguous claim blocks plus one block of contiguous mining leases extending across and south of Ferguson Lake between latitudes 62°30' and 62°55' North and longitudes 96°10' and 97°30' West in NTS map-areas 65I/10-16 (UTM coordinates 6945000–6978000N, 585000–625000E – Zone 14). The mining leases consist of 11,456 hectares (23,935 acres) and cover the Ni-Cu-Co-PGE Ferguson Lake Deposit which extends east-west for 12 km from seven km west to 2 km east of Ferguson Lake. The mining leases are located predominately on Kivalliq Inuit Association (KIA) surface rights owned land (RI-24, RI-25, RI-26 and RI-27).The following Commercial, Land Use and Right of Way permits, enabling work, water use, and travel to be conducted over the mining leases, claims, and Prospecting Permit areas, are issued by the Kivalliq Inuit Association (KIA), Indigenous and Northern Affairs Canada (INAC), and Nunavut Water Board (NWB):

- KVCL305H27Expires July 22, 2022
- KVCA08Q17Expires September 11, 2020
- KVRW06F09Expires October 17, 2019 (request for extension submitted)
- 2BE-FER1318 TYPE “B”Expires December 11, 2023
- N2013X0023Expires March 16, 2021

▷ΔΛΝΔ: LA DESCRIPTION DE PROJET ET PROPRIÉTÉ DU LAC FERGUSONLe projet du lac Ferguson est une propriété d'exploration avancée de Ni-Cu-Co-PGE détenue à 100 % par une société privée de l'Ontario constituée en société, Canadian North Resources and Development Corp.(CNRD).Entre 1949 et 1957, INCO a exploré la zone de propriété, puis elle a été acquise par Starfield Resources Inc. en 1999, après quoi plusieurs méthodes d'exploration ont été utilisées pour étudier et faire progresser le projet, y compris les levés géophysiques en surface et en vol, les programmes de géochimie de surface et le forage au diamant. La CNRD a acquis le projet de Starfield sous la protection de la faillite en juin 2013. La propriété du lac Ferguson comprend 29 claims miniers actifs et 10 baux miniers comprenant une superficie de 28 128 hectares (69 476 acres) 100 % détenus par la Société canadienne des ressources du Nord et du développement (CNRD). La propriété est située dans la région de Kivalliq, dans le sud du Nunavut, à environ 240 kilomètres à l'ouest de Rankin Inlet et à 160 kilomètres au sudouest du lac Baker. Le lac Ferguson, au cœur de la grande propriété, se trouve à mi-chemin entre les lacs Yathkyed et Qamanirjuaq. Le bien comprend une zone composée de trois blocs contigus de claims plus un bloc de baux d'extraction contigus s'étendant à travers et au sud du lac Ferguson entre les latitudes 62°30' et 62°5' au nord et les longitudes 96°10' et 97°30' à l'ouest dans les zones cartographiques NTS 65I/10-16 (coordonnées UTM 6) 945000-6978000N, 585000-625000E - Zone 14). Les baux miniers comprennent 11 456 hectares (23 935 acres) et couvrent le dépôt du lac Ferguson Ni-Cu-Co-PGE qui s'étend de l'est à l'ouest sur 12 km, de sept km à l'ouest à 2 km à l'est du lac Ferguson. Les baux miniers

[illegible]

Operations Phase: from 2020-02-01 to 2020-04-15

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PEL Haul Route	Other	Inuit Owned Surface Lands	The Ferguson Lake Deposit was originally discovered in 1950 by Inco Limited and has been intermittently explored by a variety of operators including Starfield Resources until 2013 when it went into bankruptcy. The project was taken over by Canadian North Resources and Development Corp. the same year. The project and camp has since been under care and maintenance and predominantly closed.	Unknown	The Ferguson Lake Property is in the Kivalliq region of southern Nunavut Territory some 250 kilometres west of Rankin Inlet and 170 kilometres south-southwest of Baker Lake. The area lies within designated caribou calving grounds which is closed to exploration between May 1 and July 31.

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የሰራተኛው ስም	none, not applicable	none, not applicable	2019-12-20
የሰራተኛው ትኬት ቁጥር	none, not applicable	none, not applicable	2019-12-20

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## Kivalliq

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ᐸᓄᕐ ᐸᓄᕐ ᐸᓄᕐ ᐸᓄᕐ ᐸᓄᕐ ᐸᓄᕐ	KVCL305H27 Extension of Commercial Licence for Ferguson Lake Camp	Active	2017-07-22	2022-07-22
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Indigenous and Northern Affairs Canada	N2013X0023 Extension of Right of Way permit for overland winter travel between Rankin Inlet and Ferguson Lake camp	Active	2019-03-16	2021-03-16
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◁▷↳σ◁<sup>96</sup>▷<sup>96</sup>

Λ<sup>9</sup>D<sup>c</sup> Δ<sup>a</sup>R<sup>d</sup><sup>56</sup> ΔD<sup>56</sup>C DσD<sup>56</sup>H<sup>d</sup> Δ<sup>e</sup>L<sup>b</sup>P DΠ<sup>c</sup>Δ<sup>c</sup>, Γ<sup>c</sup>→ΔP<sup>0</sup><sup>c</sup>, <sup>56</sup>NLC<sup>j</sup><sup>56</sup>, μερD<sup>c</sup> ΔP<sup>a</sup>R<sup>c</sup>→

District / Location	Equipment Type	Quantity	Description
one Cat BL320 Evcavator, one Bobcat 287 Skid Steer, one Bombardier Snowcat, one Cat 950F Wheel Loader, one Cat 140G Motor Grader, two D250 haul trucks, one D4 Caterpillar Dozer, two Chev 2500 crew cabs, three diesel generators, 15 snowmobiles/ATVs	28	0.5m by 2m up to 3m by 5m in size	Equipment is stored and inactive. No equipment use is planned. The camp is presently closed.
Challenger 75D	2	2 by 15m	Tow crusher and containers from Baker Lake and crusher site to Ferguson Lake camp.
Foremost Delta	1	3 by 16m	Carry fuel and tow containers with waste between Baker Lake and Ferguson Lake camp
Case Quadtrac	1	3 by 12m	Tow containers and other equipment as needed
Various snow vehicles and sleds	4	1 by 2m	Carry personnel and provide support for main vehicles

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ΔL<sup>9b</sup> ΔC<sup>9b</sup> CΔ<sup>9b</sup> ΔL<sup>9b</sup> ΔC<sup>9b</sup>

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1	No proposed water use at	Baker Lake municipal water

Ferguson Lake Camp since it will be closed. Water will be carried by personnel for their own use.	supply
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$$\Delta^b C d_{\sigma} \sim \Delta^q \sigma^q$$

ᐱᓕᓕᑦᐱᓪᐳᐸᓴᒃᑲᓴᑦ ᐱᓕᓕᑦᐱᓪᐳᐸᓴᑦᐱᓪᐳᐸᓴᑦ	ᑭᓪᐳᐸᓴᑦ ᑦᐱᓪᐳᐸᓴᑦ	ᑭᓪᐳᐸᓴᑦ ᑥᓴᑦᐱᓪᐳᐸᓴᑦ ᑭᓪᐳᐸᓴᑦᐱᓪᐳᐸᓴᑦ	ᑭᓪᐳᐸᓴᑦ ᑥᓴᑦᐱᓪᐳᐸᓴᑦ	ᑭᓪᐳᐸᓴᑦᐱᓪᐳᐸᓴᑦᐱᓪᐳᐸᓴᑦ
Dredging	ᑥᓴᑦᐱᓪᐳᐸᓴᑦ ᑥᓴᑦᐱᓪᐳᐸᓴᑦᐱᓪᐳᐸᓴᑦ	0 (camp closed)	Burned in the incinerator at camp,	Unburnable materials flown out of camp to be disposed at legal dump site at Rankin Inlet
Camp	ᑥᓴᑦᐱᓪᐳᐸᓴᑦ ᑥᓴᑦᐱᓪᐳᐸᓴᑦᐱᓪᐳᐸᓴᑦ	1 bag	Any waste generated will be carried back to Baker Lake.	No waste to be generated by Ferguson Lake camp since it will be closed during this operation.
Dredging	ᑥᓴᑦᐱᓪᐳᐸᓴᑦ ᑥᓴᑦᐱᓪᐳᐸᓴᑦᐱᓪᐳᐸᓴᑦ	0 (camp closed)	grey water disposed in sump and human waste in PAC toilets which is burned	none
Camp	ᑥᓴᑦᐱᓪᐳᐸᓴᑦᐱᓪᐳᐸᓴᑦ	30 tonnes	Camp waste and empty barrels to be placed into containers brought into camp and will be towed out to Baker Lake using the Challenger 75D and Case Quadtrac snow vehicles operated by Peter's Expediting.	Waste brought out to Baker Lake will be shipped south the following summer to be treated and disposed safely.
Dredging	ᑥᓴᑦᐱᓪᐳᐸᓴᑦ	0 (camp closed)	human waste in PAC toilets which is burned	none

$$\Delta \nabla \cap \Gamma \triangleright C \div^C \cup^C \quad \Delta^b \cup^{qb} C \triangleright \Gamma L \downarrow^C$$

Risk of hydrocarbon spill from fuels to the route surface and bodies of water along the way both from the hauling vehicles being utilized and the barrels being transported into the Ferguson Lake Camp from Baker Lake. Risk lessens once fuels are stored in lined permitted berm at the camp. Mitigation of impact based upon measures outlined in Ferguson Lake Project Spill Contingency Plan, 2015. No predicted significant mechanical environmental impacts from overland winter transportation between Baker Lake and Ferguson Lake camp and the crusher site because snow track vehicles will be used for the undertaking only if the snow layer is deep enough to not result in any

significant damage to the tundra environment.

# **Additional Information**

## **SECTION A1: Project Info**

## **SECTION A2: Allweather Road**

## **SECTION A3: Winter Road**

Winter overland routes to Baker Lake and Rankin Inlet shown in uploaded map.

## **SECTION B1: Project Info**

The Ferguson Lake Property consists of 9 mining leases in one block of contiguous mining leases that extends across and south of Ferguson Lake between latitudes 62° 30' and 62°55' North and longitudes 96°10' and 97°30' West in NTS map-areas 65I/10-16 (UTM coordinates 6,945,000 – 6,978,000N, 585,000 –625,00E – Zone 14).

## **SECTION B2: Exploration Activity**

none at present

## **SECTION B3: Geosciences**

none at present

## **SECTION B4: Drilling**

none at present

## **SECTION B5: Stripping**

none at present

## **SECTION B6: Underground Activity**

none

## **SECTION B7: Waste Rock**

none

## **SECTION B8: Stockpiles**

none

## **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 11: Municipal Development

[illegible]

The Ferguson Lake area is in the tundra. It is an area of low relief, featuring numerous smaller lakes and a few large river systems, notably Kazan and Ferguson Rivers. Yathkyed and Ferguson Lakes are 141 and 114 metres above sea level respectively, and maximum elevations in the general area range from 200 to 275 metres. Elevations within the current property area average less than 200 metres and range from slightly less than 100 metres at the property's eastern boundary to 290 metres north of Yathkyed Lake. The orientation of Ferguson and a number of smaller lakes reflects the dominant south-easterly glacial direction. Bedrock is fairly well exposed on numerous low hills and ridges; in lower areas bedrock may be obscured by between 6 and 25 metres of glacial debris, mainly till.

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### Miscellaneous Project Information

No impacts because the camp remains closed and exploration and development is on hold.

The development of a mine at Ferguson Lake would result in major cumulative impacts in the area.

## Impacts

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[illegible]
$$(P = \langle b \rangle \dot{\cup} P \cap \langle a \rangle^c, N = \langle b \rangle \cap \langle a \rangle^c \cup \langle a \rangle \cap \langle a \rangle^c, M = \langle b \rangle \cap \langle a \rangle^c \cup \langle a \rangle \cap \langle a \rangle^c, U = \langle b \rangle \cup \langle a \rangle)$$

1	polyline	PEL Haul Route
2	polyline	Baker Lake to Ferguson Lake Overland Haul Route - Nov. 2019
3	polyline	Ferguson Lake to Crusher Site
4	point	Ferguson Lake Camp

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|---|----------|---|
| 1 | polyline | PEL Haul Route  |
| 2 | polyline | Baker Lake to Ferguson Lake Overland Haul Route - Nov. 2019 |
| 3 | polyline | Ferguson Lake to Crusher Site                               |
| 4 | point    | Ferguson Lake Camp  |