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Ferguson Lake Project

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New

Mineral Exploration

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Period of operation

from 0001-01-01 to 0001-01-01

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from 0001-01-01 to 0001-01-01

ՀԱՅԱՍՏԱՆԻ

Trevor Boyd

Canadian North Resources and Development Corp

299 Courtneypark Drive

Mississauga Ontario M5P 2E6

Canada

▷⁹b_c▷¹c: 905 565 5968 ext. 232 ↳ b⁴d⁶c:

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): • KVCL305H27 Expires July 22, 2022 • KVCA08Q17 Expires September 11, 2020 • KVRW06F09 Expires October 17, 2019 (request for extension submitted) • 2BE-FER1318 TYPE "B" Expires December 11, 2023 • N2013X0023 Expires March 16, 2021

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 Qamanirjaq. 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 65L/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

sont principalement situés sur des terres appartenant à la Kivalliq Inuit Association (KIA) (RI-24, RI-25, RI-26 et RI-27). Les permis commerciaux, d'utilisation des terres et d'emprise suivants, qui permettent d'effectuer des travaux, de l'utilisation de l'eau et des voyages dans les zones de bail, de revendication et de permis de prospection miniers, sont délivrés par la Kivalliq Inuit Association (KIA), Affairs Autochtones et du Nord Canada (AAND), et la Nunavut Water Board (NWB): • KVCL305H27 Expire le 22 juillet 2022 • KVCA08Q17 Expire le 11 septembre 2020 • KVRW06F09 Expire le 17 octobre 2019 (demande de prolongation soumise) • 2BE-FER13 18 LE TYPE B Expire le 11 décembre 2023 • N2013X0023 Expire le 16 mars, 2021

Inuinnaqtun: Not applicable

Personnel

Personnel on site: 6

Days on site: 30

Total Person days: 180

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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| ρε-ρε-ρε | ρε-ρε | ρε-ρε-ρε-ρε | ‘�σ-σ-σ-σ |
|------------|----------------------|----------------------|------------|
| β-ρε-ρε-ρε | none, not applicable | none, not applicable | 2019-12-20 |
| ‘�σ-σ-σ-σ | none, not applicable | none, not applicable | 2019-12-20 |

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Kivalliq

ՀԱԿԱՔՅԵՐԸ ԱՐԵՎՈՒՆ ԳՐԱԾԼՔԸ

| የኢትዮጵያ ፌዴራል ማኅበር ለመስራት የሚከተሉት ስንብ አዲስ በድንብ አስተዳደር በደንብ አስተዳደር አዲስ በድንብ አስተዳደር በደንብ አስተዳደር | የመስራት የሚከተሉት ስንብ ለመስራት የሚከተሉት ስንብ አዲስ በድንብ አስተዳደር በደንብ አስተዳደር አዲስ በድንብ አስተዳደር በደንብ አስተዳደር | ለመስራት የሚከተሉት ስንብ ለመስራት የሚከተሉት ስንብ አዲስ በድንብ አስተዳደር በደንብ አስተዳደር | የመስራት የሚከተሉት ስንብ ለመስራት የሚከተሉት ስንብ አዲስ በድንብ አስተዳደር በደንብ አስተዳደር | የመስራት የሚከተሉት ስንብ ለመስራት የሚከተሉት ስንብ አዲስ በድንብ አስተዳደር በደንብ አስተዳደር |
|---|---|--|--|--|
| የፈርማው ሰነድ የፍርማው ሰነድ | KVCL305H27 Extension of Commercial Licence for Ferguson Lake Camp | Active | 2017-07-22 | 2022-07-22 |
| የፈርማው ሰነድ የፍርማው ሰነድ | KVCA08Q17 Extension of Quarry Permit for Ferguson Lake airfield | Active | 2019-09-11 | 2020-09-11 |
| የፈርማው ሰነድ የፍርማው ሰነድ | KVRW06F09 Extension of Right of Way permit for Ferguson Lake Project , expected dates shown below. | Applied, Decision Pending | 2019-10-17 | 2021-10-17 |
| መስራት ሰነድ መስራት ሰነድ | 2BE-FER1318 TYPE "B" Extension of Class B Water Use License for Ferguson Lake Camp | Active | 2018-12-11 | 2023-12-11 |
| 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 |
| የፈርማው ሰነድ የፍርማው ሰነድ | KVRW98F146 Right of Way permit for overland winter hauling between Baker Lake and | Active | 2019-04-01 | 2021-04-01 |

| | | |
|---|--|--|
| Ferguson Lake camp issued to Peter's Expediting Limited | | |
|---|--|--|

Project transportation types

| Transportation Type | Project Description | Length of Use |
|---------------------|---|---------------|
| Air | none | |
| Water | none | |
| Land | <p>Based upon the amount of snow cover and weather conditions four proposed overland round trips to the Ferguson Lake camp are to be completed out of Baker Lake by Peters Expediting Limited during the winter season. The first trip would scout and ice profile a new less rocky route from last winter from Baker Lake to the camp using the Bombardier snow track vehicle. The second trip would use the full-size Quad Trak and Challenger to bring in empty sea-cans, pack a good trail to the camp and crusher site, and then retrieve and tow the crusher using both the machines over to the Ferguson camp. For the third and fourth trips, the full-size Delta heavy vehicle would carry in the 120 barrels of fuel to the camp with the Quad Trak along for support. The sea-cans brought to the camp would be filled with the stored waste material at the Ferguson Lake camp and towed back to Baker Lake on return trips. The waste would then be shipped south.</p> | |

Project accomodation types

None,

4.1.1.1. Equipment

4.1.1.1.1. Equipment Description and Location

| 4.1.1.1.1. Equipment Description and Location | 4.1.1.1.2. Quantity | 4.1.1.1.3. Location | 4.1.1.1.4. Status |
|--|---------------------|-----------------------------------|--|
| one Cat BL320 Excavator, 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 Chevy 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 |

4.1.1.1.2. Fuel and Lubricants

| 4.1.1.1.2. Fuel and Lubricants | 4.1.1.1.3. Quantity | 4.1.1.1.4. Location | 4.1.1.1.5. Type | 4.1.1.1.6. Status | 4.1.1.1.7. Description | |
|--------------------------------|---------------------|---------------------|-----------------|-------------------|------------------------|---|
| Diesel | fuel | 1 | 5000 | 5000 | Liters | Fuel to be used for powering heavy equipment for the overland travel. |

4.1.1.2. Water

| 4.1.1.2. Water | 4.1.1.3. Water Use | 4.1.1.4. Water Source |
|----------------|--------------------------|----------------------------|
| 1 | No proposed water use at | Baker Lake municipal water |

Ferguson Lake Camp since it will supply
be closed. Water will be carried
by personnel for their own use.

4.6 Cj^c

4.6 Cj^c - n-s-4^c o^c

| 4.6 Cj ^c 4.6 Cj ^c | 4.6 Cj ^c 4.6 Cj ^c | 4.6 Cj ^c 4.6 Cj ^c | 4.6 Cj ^c 4.6 Cj ^c | 4.6 Cj ^c 4.6 Cj ^c |
|--|--|--|--|---|
| Dredging | 4.6 Cj ^c Δd4cCj ^c | 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 | 4.6 Cj ^c Δd4cCj ^c | 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 | ΔLΔ ^c 4J ^c Cj ^c | 0 (camp closed) | grey water disposed in sump and human waste in PAC toilets which is burned | none |
| Camp | 4 ^c Ca ^c J ^c C ^c | 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 | 4J ^c C ^c -n-s ^c | 0 (camp closed) | human waste in PAC toilets which is burned | none |

4.8 UTPC^c 4.6 Cj^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 –625,000E – 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

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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.

The terrain is typical of the tundra barren grounds; tree line is 150 km south of Ferguson Lake and vegetation consists principally of; moss, lichen, dwarf birch and Labrador tea. Wildlife includes caribou, Arctic foxes, muskoxen, arctic hare, sik sik, wolves, wolverines, barren ground grizzly bears and various species of birds.

Людмила Абрамова: Документация-Архивы

There are no inhabitants in the area. Ferguson Lake is occasionally visited for hunting and fishing purposes by Nunavut citizens.

Miscellaneous Project Information

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

Cumulative Effects

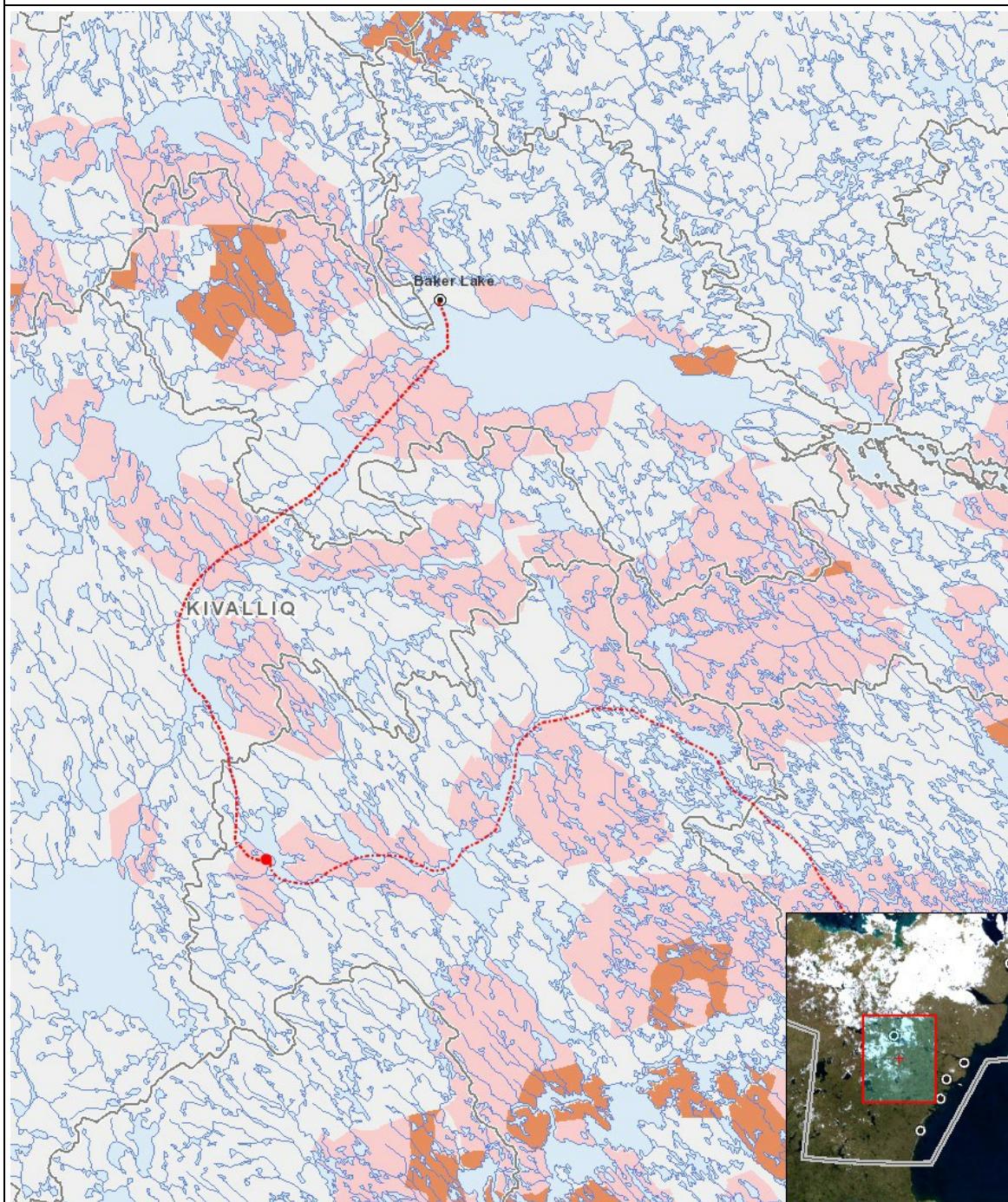
The development of a mine at Ferguson Lake would result in major cumulative impacts in the area.

Impacts

物理影响 地质与水文影响 气候影响 生物影响 社会经济影响

| 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 | | | | | | | | | | | |

(P = 物理影响, N = 地质与水文影响, M = 气候影响, B = 生物影响, S = 社会经济影响, U = 人类健康)



List of Project Geometries

- 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