



2023 Annual Wildlife Management and Monitoring Plan Report

Pine Point Mining Limited
MV20200017 and MV2020L8-0012
Pine Point District, NT

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1 INTRODUCTION

Pine Point Mining Limited (PPML) holds mineral leases and claims, located approximately 180 km south of Yellowknife, NT, near the south shore of Great Slave Lake (Figure 1). These mineral dispositions comprise the Pine Point Project (Project).

The Project includes 40 mineral leases and 106 mineral claims (Figure 3) held by PPML, a Joint Venture formed between Osisko Metals Incorporated and Appian Natural Resources Fund III LLP. In 2023, the number of mineral claims was reduced by three claims to 106 as three small claims were amalgamated. As of the effective date of this report, the leases and claims are in good standing. The Project is located between 114° and 115° 15' West longitude and 61° 0' and 61° 45' North latitude, within the Mackenzie Mining Division of the Northwest Territories (NT) of Canada. The western boundary of the Project is located 42 km east of the town of Hay River, NT and approximately 10 km south of the Great Slave Lake. The Property lies about 60 m above the lake level.

The Project is an exploration and development project located partly on a previously disturbed former mine site. Cominco Ltd. operated the Pine Point Mine site between 1964 and 1988 and produced approximately 64 million tonnes of ore from 50 open pit and two underground mines. The Project area includes historical disturbances such as open pits, waste rock stockpiles, overburden stockpiles, Pine Point town water ponds, the former plant site, haulage and service roads, the footprint of the former townsite of Pine Point and a former airstrip. A tailings impoundment area (TIA), located north of the old mill site, is currently under licence (MV2017L2-007) to Teck Metals Ltd. New authorizations were issued to PPML on November 2, 2021, for a Land Use Permit (MV2020C0017) and on December 8, 2021, for a Type A Water Licence (MV2020L8-0012).

The Minister of Environment and Natural Resources determined, based on information provided with the Confirmation and Exploration Program Type A Water Licence Application, discussions at the MVLWB's Technical Session held February 24-25, 2021, PPML's responses to information requests and the Memorandum submitted to ENR by PPML on March 19, 2021, that, in accordance with the Wildlife Act, Section 3.1.1 of the Wildlife Process and Content Guidelines, the Project will require a Wildlife Management and Monitoring Plan.

GNWT-ENR informed PPML that the Wildlife Management and Monitoring Plan V2.1 (WMMP) was approved with five conditions. PPML submitted V2.2 addressing the five conditions which was approved on July 12, 2022 (Table 1)

PPML occupies a field camp located at 60°51'32.50" N - 114°27'50.56" W in the Pine Point area. Land Use Permit MV2020C0017 authorizes a camp with a capacity of 249 persons. The camp capacity in 2023 peaked at 77 persons.

Table 1 Report Conformance Table

WMMP Reporting Requirement	See Section
Records of all surveys completed and wildlife observed.	2.3.1
Occurrences of human-wildlife interactions, and incidents, accidents, injuries, or mortalities involving wildlife.	2.3.2
A summary of the number of times that caribou collar locations overlapped with cautionary zones and how often additional mitigation measures were triggered.	2.3.3
Records of disturbances to wildlife habitat that were not predicted.	2.3.4

WMMP Reporting Requirement	See Section
Observations of recreational and traditional or non-traditional harvesting activities near the Project.	2.3.5
Record (including date, location coordinates and brief description) of all drill locations, sumps, access trails where clearing was required, drill pads where clearing was required.	2.3.6, Appendix 1
A discussion of the effectiveness of the mitigation outlined in the Wildlife Management and Monitoring Plan.	2.3.7
A review of mitigation listed in the Wildlife Management and Monitoring Plan will be undertaken annually during the Project construction and operation to document instances of adaptive management and the success of mitigation. The mitigation review will investigate the following: <ul style="list-style-type: none"> • Is all mitigation being implemented? • How successful is the mitigation? • Has new mitigation has been implemented in response to new issues? • Is some mitigation redundant? 	2.3.7
Any updates or recommended changes to the Wildlife Management and Monitoring Plan.	2.3.8

2 ANNUAL REPORT

2.1 SUMMARY OF PROJECT ACTIVITIES

The ongoing program's objective is to continue to upgrade the confidence level of the mineral resources on the property to the Indicated Resource category and to collect environmental baseline data to support the proposed mine Environmental Assessment. In 2023, 570 drill holes were completed for a total of 39,814 m of drilling (Appendix I, Drill Collar Locations).

Access to most of the drill locations was via existing trails. However, in some areas, new trails were constructed resulting in a total of 45.8 km of new trails/roads. During the winter, the snowpack was compacted on the road surface and ice was built up on the road surface in softer areas.

2.2 COMMUNITY ENGAGEMENT

PPML maintained its engagement with communities, regulators and other impacted parties, using various methods such as written correspondence, phone calls, conference calls, and in-person meetings. PPML specifically engaged with parties identified in the Engagement Plan regarding an airborne moose survey, proposed amendments to the Water licence and changes to management plans, project presentations, pump test compatibility results and updating of the Closure and Reclamation Plan.

Site visits with communities were undertaken on July 6 (Fort Resolution Metis Government members) and 9 August 2023 (Deninu Kué First Nation Members (DKFN)). A site visit was also offered to the KFN. However, due to wildfires and other capacity-related issues, it was not possible to schedule a visit for its members in 2024.

DKFN and KFN members participated as field observers in the Aerial Moose Survey undertaken in March 2023. A DKFN member also assisted with the placement of wildlife cameras and Autonomous Recording Units (ARU). Community members also took part in the pre-clearing surveys whenever possible before drilling commenced.

In 2023, NWTMN managed the maintenance and passive sampler replacement in the meteorological stations in 2023.

PPML will continue to engage with the Indigenous communities on the exploration drilling program, environmental baseline data collection and the overall mine development project.

2.3 REPORTING

2.3.1 Survey Records and Wildlife Observed

Each clearing survey is tabulated in Appendix II, Surveys Completed, and the observations of wildlife or sign of wildlife are tabulated in Appendix III, Clearing Surveys Wildlife Observations.

A whooping crane aerial survey was conducted on 31 May 2023 in the areas shown in Figure 1. A field summary report is provided in Appendix IV. This survey was logistically complicated by the wildfires present in the region. A mandatory evacuation order for the town of Hay River and K'atl'odeeche Reserve was issued on 14 May 2023. K'atl'odeeche Reserve Residents were not advised it was safe to begin returning 9 June 2023. The airport and access to the airport was closed at times during May, reopening at the end of May.

Wildfire evacuations, including airport and road closures, occurred throughout the summer of 2023, with communities returning in early September 2023.

2.3.2 Human-Wildlife Interactions

No caribou sightings occurred during the year. There were no incidents, accidents, injuries or mortalities involving wildlife.

2.3.3 Collar Locations with Cautionary Zones

Maps of collar locations were received from ECC/ENR from 21 June 2023 until end of the year. Areas scheduled for drilling or pitting were compared with the collar locations. However, none of the collar locations indicated a caribou presence within the 2km cautionary zone during the time that activities were planned and none of the clearing surveys observed a caribou. If a site had been dormant for more than 2 days, it was resurveyed to determine if caribou could be observed even though the ECC monitoring data did not indicate a caribou was present.

2.3.4 Unpredicted Disturbances to Wildlife Habitat

Two areas, east and west of the existing Tailings Management Facility (referred to as TMFE and TMFW), were not predicted when the WMMP was prepared. These areas were accessed by truck and on foot.

2.3.5 Recreational and Traditional or Non-Traditional Harvesting Activities

No evidence of recreational or harvesting activities were observed.

2.3.6 Drilling Activities

The coordinates of the drill holes completed are tabulated in Appendix 1, Drill Collar Locations. Sump locations are located immediately adjacent to the drill hole location.

2.3.7 Mitigation Effectiveness

2.3.7.1 Mitigation Implementation

The mitigation was implemented as planned.

2.3.7.2 Mitigation Success

Overall, the mitigation was deemed successful. Caribou were not observed incidentally by the crew near any of the drilling locations.

2.3.7.3 Mitigation Responses to New Issues

No new issues were identified.

2.3.7.4 Redundant Mitigation

None of the mitigation implemented is considered to be redundant.

2.3.8 Recommendations regarding updates/changes to the WMMP

Changes to the mitigation measures last year to include regular transmission of clearing survey results prior to commencing work in an area and to improved communication of the WMMP requirements to the staff during shift changes or other staff transitions. These changes resulted in a more consistent application of the WMMP. In 2024, efforts will be made to ensure the Pre-Clearing Wildlife Survey form in V2.2 of the Management Plan is consistently used for future clearing surveys.

3 CONCLUDING REMARKS

The 2023 program was completed with no adverse impacts on caribou or other species at risk.

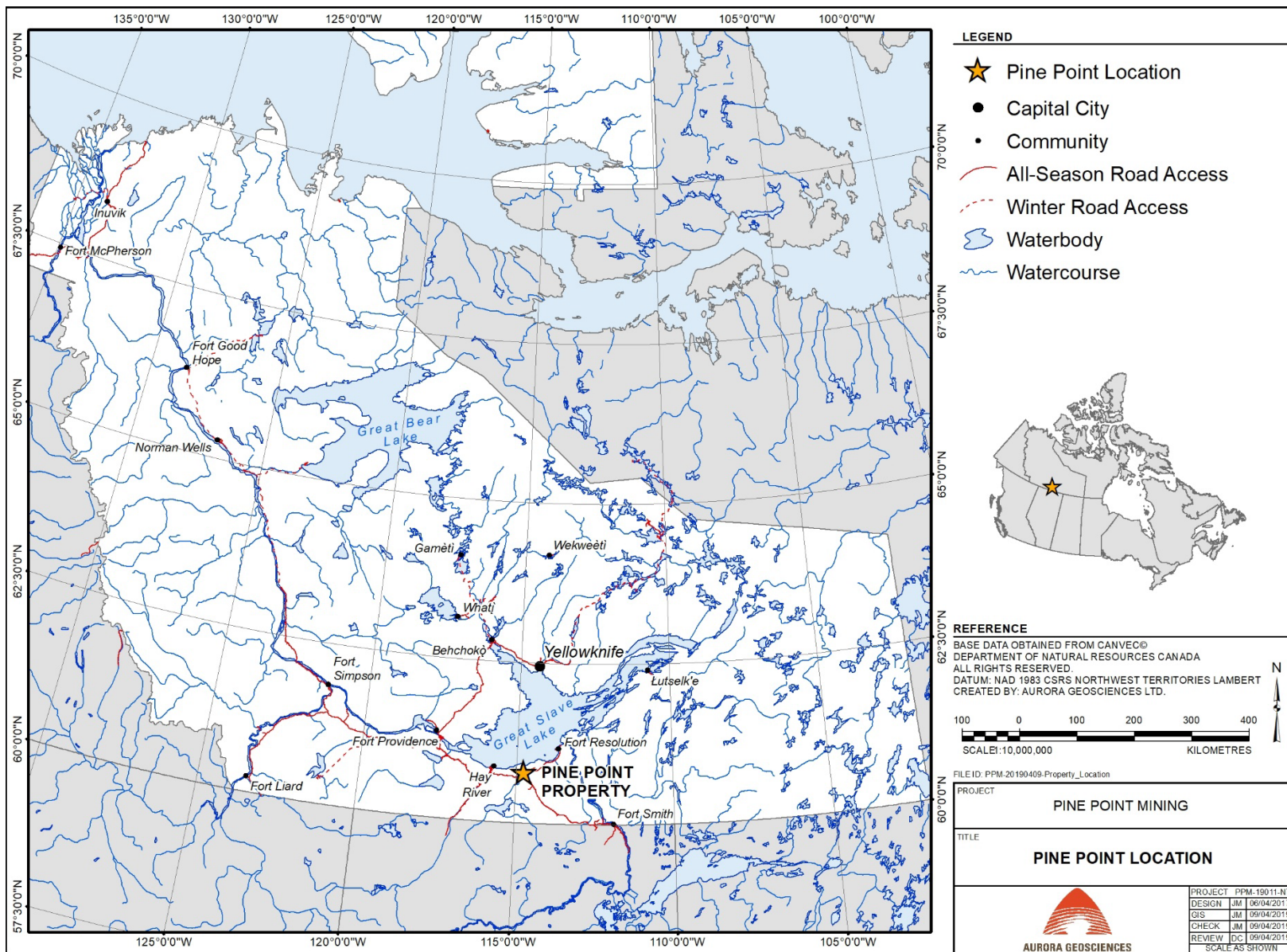


Figure 1 Regional location map

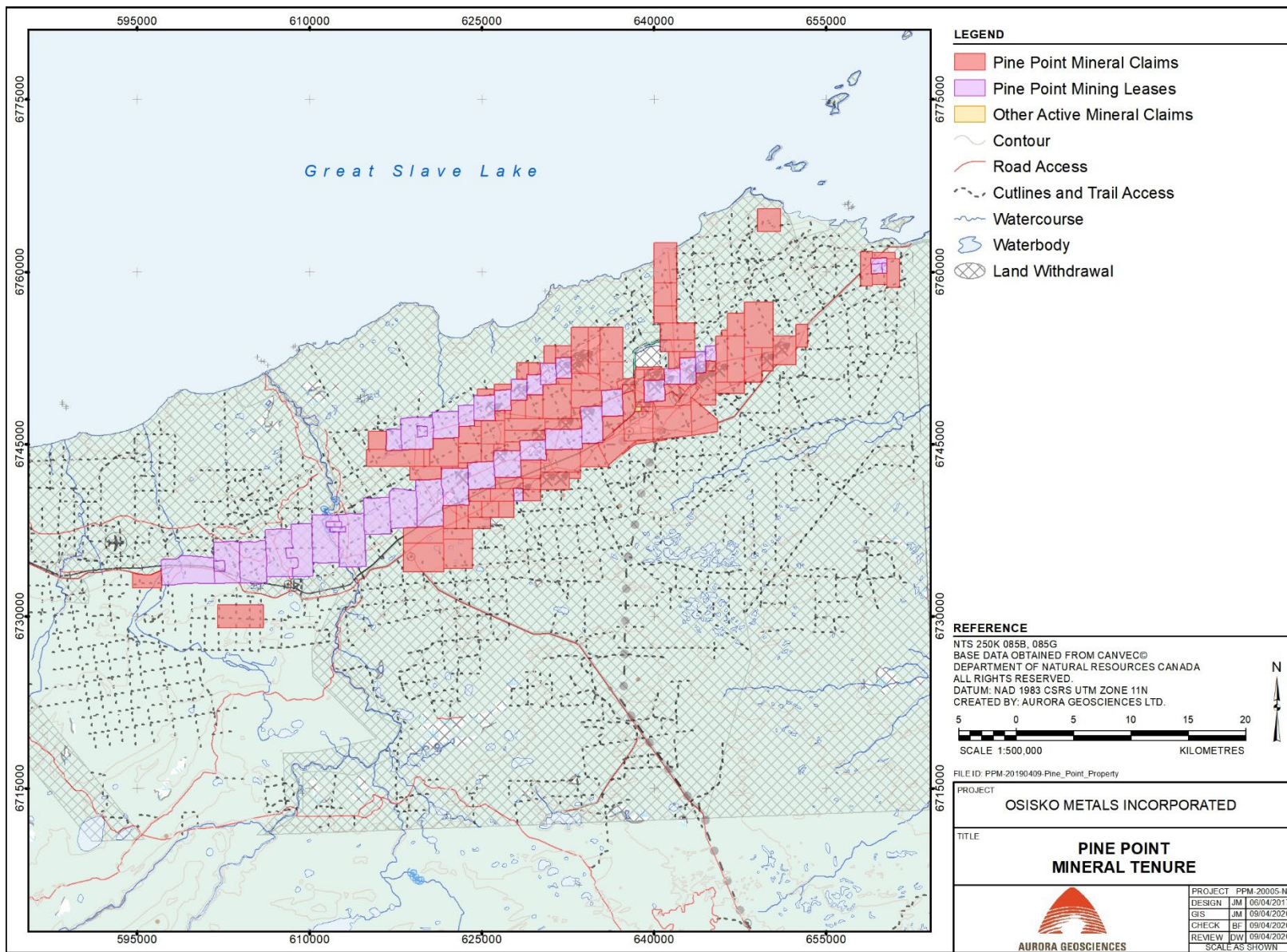


Figure 2 Property overview

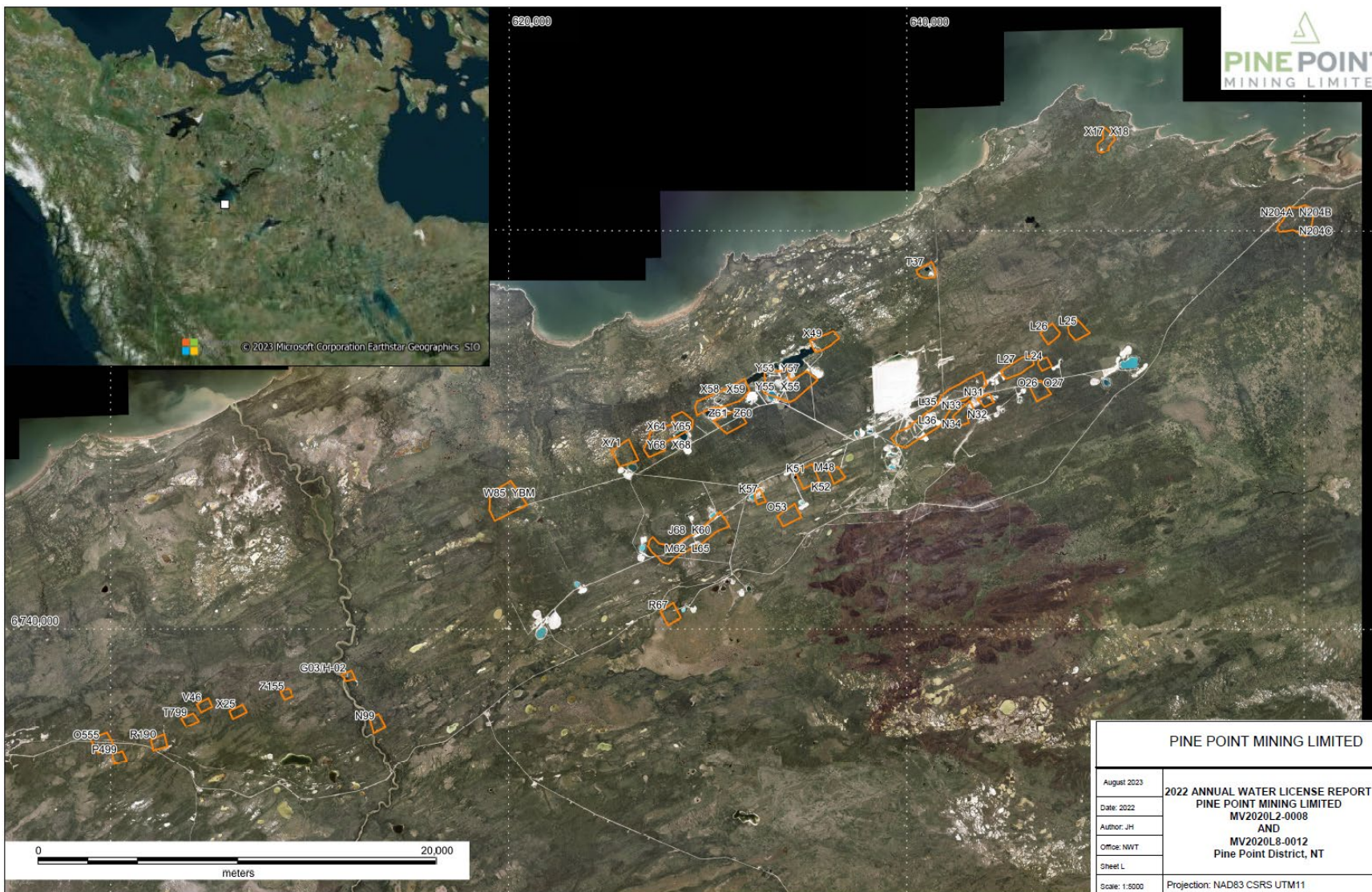


Figure 3 Development Areas

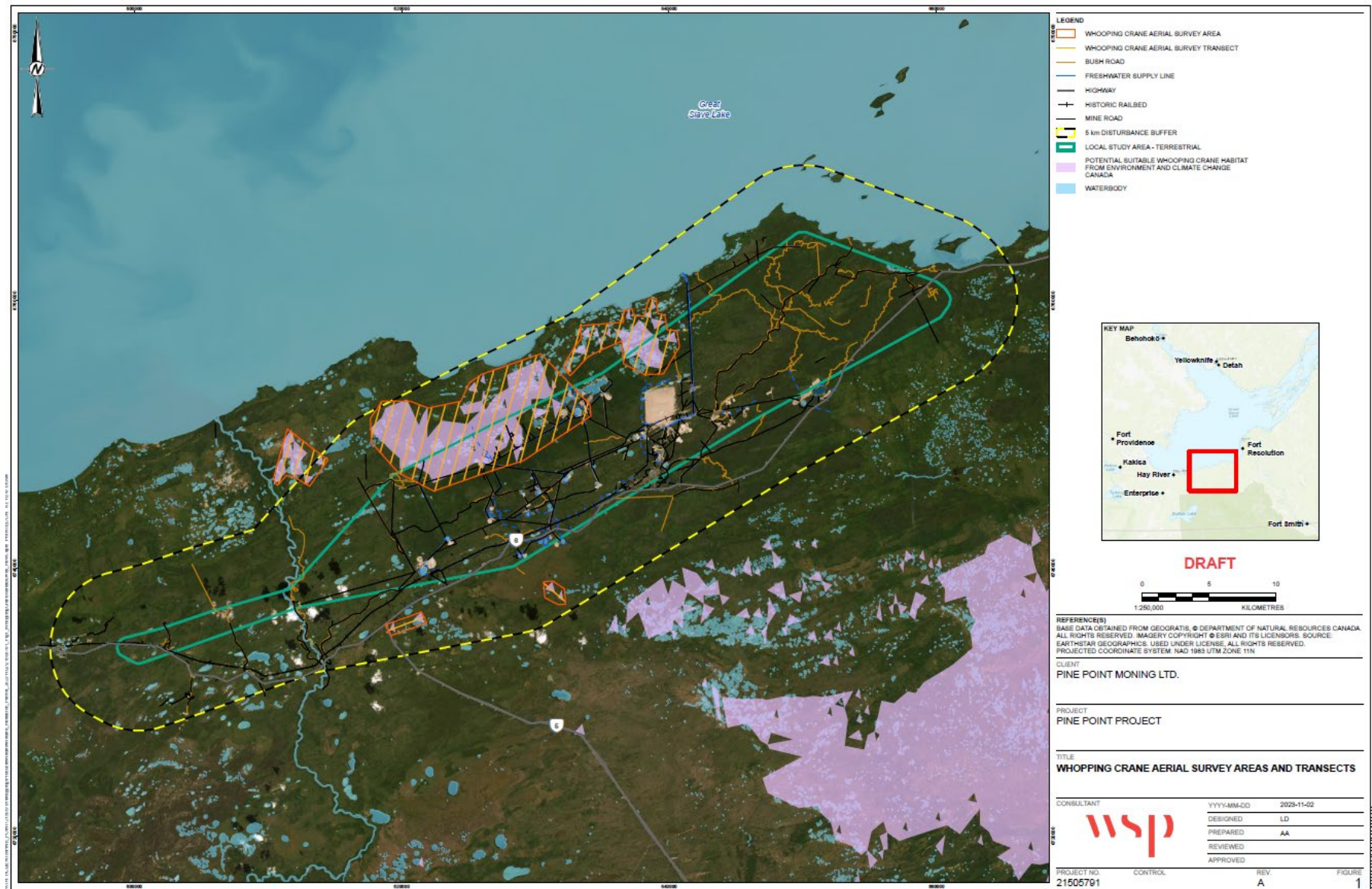
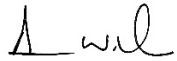


Figure 4 Location of whooping crane transects

Respectfully submitted,

Pine Point Mining Ltd.

A handwritten signature in black ink, appearing to read 'A. Williams'.

Andrew Williams

Appendix I DRILL COLLAR LOCATIONS

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
BH-23-01	2023-10-05	2023-10-05	640080.07	6751193.47	11	10.70
BH-23-02	2023-10-09	2023-10-09	640048.54	6750920.24	11	14.90
BH-23-03	2023-10-05	2023-10-05	639906.60	6751115.88	11	6.70
BH-23-04	2023-10-08	2023-10-09	639964.85	6750984.98	11	13.70
BH-23-05	2023-10-08	2023-10-08	640023.26	6751023.93	11	13.40
BH-23-06	2023-10-06	2023-10-06	639975.07	6750902.73	11	17.90
BH-23-07	2023-10-09	2023-10-09	640023.20	6750861.68	11	18.30
BH-23-08	2023-10-08	2023-10-08	639879.21	6750885.21	11	15.70
BH-23-09	2023-10-09	2023-10-09	639759.24	6750829.91	11	11.70
BH-23-10	2023-10-05	2023-10-05	640134.51	6751026.51	11	14.20
BH-23-11	2023-10-06	2023-10-06	640151.99	6750987.77	11	14.90
BH-23-12	2023-11-22	2023-11-23	635508.25	6750496.41	11	14.90
BH-23-13	2023-10-10	2023-10-10	639933.83	6750852.70	11	14.20
BH-23-14	2023-11-12	2023-11-13	639888.46	6750914.47	11	6.70
BH-23-15	2023-11-29	2023-11-29	640245.53	6751149.40	11	15.00
BH-23-16	2023-11-29	2023-11-29	640367.96	6751211.71	11	13.00
C1-23-004	2023-11-17	2023-11-18	629408.34	6744960.42	11	25.00
C1-23-004-A	2023-11-18	2023-11-18	629409.59	6744958.20	11	15.50
C2-23-003	2023-11-16	2023-11-17	636685.74	6748142.58	11	24.70
C2-23-003-A	2023-11-17	2023-11-17	636686.03	6748144.31	11	15.80
EM-23-001	2023-11-06	2023-11-07	646510.45	6753236.52	11	18.10
EM-23-001-B	2023-11-07	2023-11-08	646507.77	6753235.40	11	6.40
EM-23-002	2023-11-10	2023-11-11	642535.31	6750831.04	11	13.30
EM-23-PP-001	2023-05-18	2023-05-19	641362.64	6751379.25	11	60.00
EM-23-PP-002	2023-05-18	2023-05-18	642594.95	6751354.35	11	60.00
EM-23-PP-003	2023-05-19	2023-05-19	640337.99	6750422.54	11	60.00
EM-23-PP-004	2023-05-15	2023-05-16	638482.60	6749759.28	11	60.00
EM-23-PP-004B	2023-05-16	2023-05-16	638487.56	6749759.60	11	60.00
EM-23-PP-005	2023-05-19	2023-05-20	639793.69	6749125.42	11	60.00
EM-23-PP-OS-006	2023-05-22	2023-05-22	641999.37	6751461.10	11	60.00
EM-23-PP-OS-007	2023-05-21	2023-05-21	640634.49	6750089.66	11	39.00
EM-23-PP-OS-008	2023-05-21	2023-05-21	640245.77	6749866.89	11	42.00
EM-23-PP-OS-009	2023-05-21	2023-05-21	640118.12	6749956.09	11	42.00
I46/J44-23-001	2023-11-24	2023-11-26	637543.08	6750154.81	11	72.60
J68-23-PP-001	2023-01-14	2023-01-16	627312.93	6744288.29	11	29.00
J68-23-PP-001B	2023-01-14	2023-01-16	627312.93	6744288.29	11	62.00
J68-23-PP-002	2023-01-16	2023-01-16	627262.01	6744258.41	11	65.00
J68-23-PP-003	2023-01-16	2023-01-17	627291.29	6744250.22	11	65.00
J68-23-PP-004	2023-01-17	2023-01-17	627263.38	6744211.95	11	68.00
J68-23-PP-005	2023-01-17	2023-01-17	627234.18	6744217.08	11	65.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
J68-23-PP-006	2023-01-18	2023-01-18	627184.84	6744088.35	11	77.00
J68-23-PP-007	2023-01-18	2023-01-19	627222.40	6744041.85	11	53.00
K51-23-PP-001	2023-03-07	2023-03-08	635037.45	6747935.69	11	50.00
K51-23-PP-002	2023-03-07	2023-03-07	635056.28	6747909.69	11	57.00
K51-23-PP-003	2023-03-06	2023-03-07	635081.89	6747918.09	11	44.00
K51-23-PP-004	2023-03-08	2023-03-08	635062.17	6747859.02	11	46.00
K51-23-PP-005	2023-03-06	2023-03-07	634833.21	6747776.58	11	49.00
K51-23-PP-006	2023-03-07	2023-03-07	634839.33	6747741.26	11	49.00
K51-23-PP-008	2023-03-08	2023-03-08	634984.67	6747867.63	11	53.00
K51-23-PP-009	2023-03-07	2023-03-07	634963.00	6747790.67	11	52.00
K51-23-PP-OS-001	2023-04-08	2023-04-09	634959.04	6747790.31	11	59.00
K51-23-PP-OS-002	2023-04-07	2023-04-08	634959.98	6747785.02	11	59.00
K51-23-PP-OS-003	2023-04-09	2023-04-09	634962.91	6747790.77	11	59.00
K52-23-PP-001	2023-03-14	2023-03-15	635249.42	6747538.22	11	47.00
K52-23-PP-002	2023-03-12	2023-03-13	635203.36	6747528.33	11	47.00
K52-23-PP-003	2023-03-14	2023-03-14	635186.03	6747502.01	11	43.00
K52-23-PP-004	2023-03-11	2023-03-11	635170.45	6747528.33	11	44.00
K52-23-PP-005	2023-03-13	2023-03-14	635119.31	6747501.37	11	49.00
K52-23-PP-006	2023-03-10	2023-03-10	635103.89	6747525.92	11	41.00
K52-23-PP-007	2023-03-09	2023-03-09	635089.11	6747497.78	11	42.00
K52-23-PP-008	2023-03-11	2023-03-12	635069.68	6747474.03	11	46.00
K52-23-PP-009	2023-03-12	2023-03-12	635047.06	6747443.90	11	46.00
K52-23-PP-010	2023-03-10	2023-03-11	635058.16	6747503.51	11	49.00
K52-23-PP-011	2023-03-09	2023-03-10	635025.51	6747500.54	11	43.00
K52-23-PP-012	2023-03-09	2023-03-09	635010.83	6747527.82	11	43.00
K52-23-PP-013	2023-03-15	2023-03-15	635225.53	6747596.01	11	50.00
K52-23-PP-014	2023-03-14	2023-03-14	635178.39	6747578.08	11	56.00
K52-23-PP-015	2023-03-10	2023-03-10	635043.21	6747528.28	11	43.00
K52-23-PP-016	2023-03-09	2023-03-10	635073.80	6747531.55	11	50.00
K52-23-PP-017	2023-03-12	2023-03-12	635169.53	6747480.07	11	47.00
K52-23-PP-018	2023-03-14	2023-03-14	635151.76	6747512.34	11	46.00
K52-23-PP-019	2023-03-13	2023-03-13	635205.86	6747575.85	11	44.00
K52-23-PP-020	2023-04-03	2023-04-04	634892.70	6747511.54	11	65.00
K52-23-PP-OS-001	2023-04-04	2023-04-04	635056.13	6747480.40	11	59.00
K52-23-PP-OS-002	2023-04-05	2023-04-06	635068.92	6747475.98	11	59.00
K52-23-PP-OS-003	2023-04-06	2023-04-07	635096.96	6747490.93	11	58.00
K68-23-PP-001	2023-01-20	2023-01-20	628073.31	6743959.18	11	68.00
K68-23-PP-002	2023-01-24	2023-01-24	628045.79	6743975.00	11	68.00
K68-23-PP-003	2023-01-20	2023-01-21	628044.51	6743941.04	11	72.00
K68-23-PP-004	2023-01-22	2023-01-22	628036.72	6743910.97	11	71.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
K68-23-PP-005	2023-01-22	2023-01-23	628011.85	6743894.49	11	71.00
K68-23-PP-006	2023-01-21	2023-01-21	628014.38	6743930.69	11	68.00
K68-23-PP-007	2023-01-24	2023-01-26	628010.40	6743960.23	11	68.00
K68-23-PP-008	2023-01-28	2023-01-29	627996.09	6743988.00	11	68.00
K68-23-PP-009	2023-01-28	2023-01-29	627966.66	6743972.79	11	68.00
K68-23-PP-010	2023-01-26	2023-01-26	627981.15	6743944.37	11	71.00
K68-23-PP-011	2023-01-21	2023-01-22	627982.52	6743912.07	11	71.00
K68-23-PP-012	2023-01-23	2023-01-23	627982.03	6743883.79	11	71.00
K68-23-PP-013	2023-01-23	2023-01-24	627951.12	6743900.07	11	71.00
K68-23-PP-014	2023-01-25	2023-01-26	627951.17	6743930.14	11	68.00
K68-23-PP-015	2023-02-04	2023-02-04	627934.90	6743988.63	11	65.00
K68-23-PP-016	2023-02-03	2023-02-04	627902.34	6743978.51	11	65.00
K68-23-PP-017	2023-01-29	2023-01-30	627909.00	6743949.18	11	68.00
K68-23-PP-018	2023-01-27	2023-01-27	627919.27	6743921.27	11	68.00
K68-23-PP-019	2023-01-27	2023-01-28	627922.75	6743891.81	11	74.00
K68-23-PP-020	2023-01-30	2023-01-30	627889.06	6743909.67	11	71.00
K68-23-PP-021	2023-01-31	2023-01-31	627860.65	6743898.24	11	74.00
K68-23-PP-022	2023-01-31	2023-02-02	627849.25	6743923.51	11	71.00
K68-23-PP-023	2023-02-03	2023-02-03	627871.65	6743969.79	11	65.00
K68-23-PP-024	2023-02-02	2023-02-02	627847.48	6743953.17	11	68.00
K68-23-PP-025	2023-02-06	2023-02-07	627803.30	6743865.58	11	74.00
K68-23-PP-026	2023-02-07	2023-02-08	627796.53	6743894.55	11	71.00
K68-23-PP-027	2023-02-09	2023-02-09	627789.04	6743923.71	11	68.00
K68-23-PP-028	2023-02-09	2023-02-10	627768.91	6743943.20	11	62.00
K68-23-PP-029	2023-03-07	2023-03-07	627760.78	6743909.06	11	68.00
K68-23-PP-030	2023-03-07	2023-03-08	627737.31	6743893.92	11	65.00
K68-23-PP-031	2023-03-08	2023-03-08	627771.71	6743851.82	11	71.00
K68-23-PP-032	2023-03-08	2023-03-08	627744.65	6743834.42	11	68.00
K68-23-PP-033	2023-03-09	2023-03-09	627741.37	6743865.93	11	74.00
K68-23-PP-034	2023-03-10	2023-03-10	627709.14	6743881.86	11	65.00
K68-23-PP-035	2023-03-10	2023-03-10	627708.77	6743914.98	11	59.00
K68-23-PP-036	2023-02-09	2023-02-10	627735.05	6743957.22	11	56.00
K68-23-PP-037	2023-02-11	2023-02-11	627716.09	6743944.87	11	59.00
K68-23-PP-038	2023-03-11	2023-03-11	627678.09	6743969.19	11	59.00
K68-23-PP-039	2023-03-10	2023-03-10	627678.56	6743934.53	11	62.00
K68-23-PP-040	2023-03-11	2023-03-12	627649.87	6743919.28	11	63.00
K68-23-PP-041	2023-03-13	2023-03-13	627657.90	6743887.70	11	63.00
K68-23-PP-042	2023-03-17	2023-03-18	627685.69	6743870.69	11	65.00
K68-23-PP-043	2023-03-13	2023-03-14	627688.93	6743831.85	11	72.00
K68-23-PP-044B	2023-03-20	2023-03-21	627661.75	6743855.26	11	80.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
K68-23-PP-045	2023-03-10	2023-03-11	627635.52	6743836.84	11	66.00
K68-23-PP-046	2023-02-08	2023-02-09	627609.43	6743815.76	11	72.00
K68-23-PP-047	2023-02-09	2023-02-09	627608.55	6743854.03	11	69.00
K68-23-PP-048	2023-03-12	2023-03-12	627622.51	6743901.13	11	68.00
K68-23-PP-049	2023-03-11	2023-03-12	627628.00	6743944.70	11	65.00
K68-23-PP-050	2023-03-11	2023-03-11	627630.94	6743978.21	11	62.00
K68-23-PP-051	2023-03-16	2023-03-16	627593.16	6744000.58	11	68.00
K68-23-PP-052	2023-03-16	2023-03-17	627601.19	6743969.28	11	65.00
K68-23-PP-053	2023-03-16	2023-03-16	627586.86	6743947.78	11	65.00
K68-23-PP-054	2023-03-15	2023-03-15	627545.03	6743966.05	11	65.00
K68-23-PP-055	2023-03-15	2023-03-16	627552.43	6743920.50	11	70.00
K68-23-PP-056	2023-03-14	2023-03-14	627580.46	6743910.41	11	71.00
K68-23-PP-057	2023-03-13	2023-03-13	627576.52	6743882.70	11	74.00
K68-23-PP-058	2023-03-12	2023-03-13	627593.09	6743879.07	11	71.00
K68-23-PP-059	2023-03-14	2023-03-15	627559.85	6743858.69	11	68.00
K68-23-PP-060	2023-03-14	2023-03-14	627553.44	6743827.95	11	65.00
K68-23-PP-061	2023-02-07	2023-02-08	627575.41	6743806.55	11	66.00
K68-23-PP-062	2023-01-30	2023-01-31	627896.01	6743877.90	11	68.00
K68-23-PP-063	2023-02-05	2023-02-06	628098.79	6743937.47	11	68.00
K68-23-PP-063B	2023-02-28	2023-03-01	628098.79	6743937.47	11	92.00
K68-23-PP-064	2023-02-04	2023-02-04	628100.64	6743972.68	11	68.00
K68-23-PP-064B	2023-03-02	2023-03-02	628100.64	6743972.68	11	92.00
K68-23-PP-065	2023-03-06	2023-03-06	627831.74	6743880.16	11	80.00
K68-23-PP-066	2023-03-01	2023-03-01	628071.14	6743922.12	11	92.00
K68-23-PP-067	2023-02-26	2023-02-28	628125.01	6743926.58	11	95.00
K68-23-PP-068	2023-03-02	2023-03-03	628126.87	6743956.75	11	95.00
K68-23-PP-069	2023-03-03	2023-03-04	628131.87	6743981.86	11	80.00
K68-23-PP-070	2023-03-04	2023-03-04	628109.79	6743997.57	11	80.00
K68-23-PP-071	2023-03-04	2023-03-05	628073.15	6743989.56	11	74.00
K68-23-PP-072	2023-03-05	2023-03-05	628027.68	6744000.59	11	77.00
K68-23-PP-073	2023-03-05	2023-03-06	627995.07	6744019.37	11	77.00
K68-23-PP-OS-001	2023-03-19	2023-03-20	627661.83	6743855.12	11	68.00
K68-23-PP-OS-002	2023-03-19	2023-03-20	627966.73	6743972.80	11	71.00
K68-23-PP-OS-003	2023-03-21	2023-03-22	627888.36	6743910.20	11	74.00
L27-23-006	2023-11-08	2023-11-09	645652.32	6752889.96	11	71.40
L35-23-005	2023-11-09	2023-11-10	642476.53	6751871.40	11	21.00
L35-23-GT-01	2023-11-19	2023-11-20	642235.80	6751544.43	11	75.00
L35-23-GT-02	2023-11-18	2023-11-19	641631.70	6750802.15	11	75.00
L35-23-PP-001	2023-04-14	2023-04-14	643523.61	6752143.20	11	40.00
L35-23-PP-OS-001	2023-04-13	2023-04-13	641988.43	6751457.46	11	58.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
L35-23-PP-OS-002	2023-04-13	2023-04-13	641989.44	6751457.60	11	58.00
L35-23-PP-OS-003	2023-04-14	2023-04-14	641994.80	6751459.09	11	58.00
L37-23-GT-01	2023-11-27	2023-11-29	641062.90	6750430.96	11	81.00
L37-23-GT-02	2023-11-29	2023-11-30	641285.48	6750482.49	11	93.00
L37-23-PP-001	2023-11-15	2023-11-16	640883.29	6750079.68	11	69.00
L37-23-PP-002	2023-11-16	2023-11-17	640884.27	6750078.76	11	75.00
L37-23-PP-003	2023-05-26	2023-05-28	640862.96	6750062.41	11	141.00
L39-23-PP-OS-001	2023-04-10	2023-04-12	640634.52	6750106.01	11	53.00
L39-23-PP-OS-002	2023-04-12	2023-04-12	640651.19	6750089.21	11	52.00
L65-23-GT-01	2023-10-22	2023-10-24	628705.44	6744174.85	11	90.00
L65-23-GT-02	2023-10-24	2023-10-25	628554.87	6743929.87	11	90.00
L65-23-PP-001	2023-01-21	2023-01-21	628205.48	6743688.86	11	78.00
L65-23-PP-002	2023-01-26	2023-01-27	628246.97	6743666.41	11	90.00
L65-23-PP-003	2023-01-25	2023-01-26	628235.66	6743691.64	11	18.00
L65-23-PP-003A	2023-01-25	2023-01-26	628235.66	6743691.64	11	75.00
L65-23-PP-004	2023-01-24	2023-01-25	628226.69	6743709.41	11	69.00
L65-23-PP-005	2023-01-21	2023-01-22	628197.63	6743719.33	11	75.00
L65-23-PP-006	2023-01-21	2023-01-22	628157.87	6743717.65	11	90.00
L65-23-PP-007	2023-01-22	2023-01-23	628146.29	6743742.05	11	90.00
L65-23-PP-008	2023-01-23	2023-01-24	628165.06	6743772.37	11	90.00
L65-23-PP-009	2023-01-24	2023-01-24	628175.30	6743750.24	11	90.00
L65-23-PP-010	2023-01-22	2023-01-23	628184.29	6743730.93	11	90.00
L65-23-PP-011	2023-01-23	2023-01-24	628214.59	6743738.01	11	90.00
L65-23-PP-012	2023-01-31	2023-02-01	628203.48	6743762.03	11	78.00
L65-23-PP-013	2023-01-30	2023-01-31	628192.97	6743785.61	11	90.00
L65-23-PP-014	2023-02-01	2023-02-03	628224.54	6743784.51	11	90.00
L65-23-PP-015	2023-02-03	2023-02-04	628237.99	6743759.49	11	66.00
L65-23-PP-016	2023-02-04	2023-02-05	628248.36	6743737.58	11	90.00
L65-23-PP-017	2023-02-05	2023-02-06	628256.91	6743718.64	11	72.00
L65-23-PP-018	2023-01-27	2023-01-28	628275.97	6743677.32	11	90.00
L65-23-PP-019	2023-03-01	2023-03-01	628304.55	6743683.50	11	92.00
L65-23-PP-020	2023-02-08	2023-02-10	628331.95	6743697.80	11	92.00
L65-23-PP-021	2023-02-27	2023-02-28	628294.84	6743707.62	11	92.00
L65-23-PP-022	2023-02-07	2023-02-07	628323.98	6743718.65	11	92.00
L65-23-PP-023	2023-02-26	2023-02-27	628284.92	6743730.54	11	92.00
L65-23-PP-024	2023-02-10	2023-02-10	628274.14	6743751.98	11	92.00
L65-23-PP-025	2023-02-09	2023-02-09	628264.65	6743772.61	11	95.00
L65-23-PP-026	2023-02-08	2023-02-08	628255.60	6743793.15	11	92.00
L65-23-PP-027	2023-02-03	2023-02-03	628279.28	6743811.60	11	90.00
L65-23-PP-028	2023-01-31	2023-02-01	628307.40	6743822.09	11	92.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
L65-23-PP-029	2023-02-04	2023-02-05	628290.66	6743785.76	11	92.00
L65-23-PP-030	2023-02-05	2023-02-05	628302.63	6743764.18	11	71.00
L65-23-PP-031	2023-01-30	2023-01-31	628319.86	6743795.46	11	90.00
L65-23-PP-032	2023-02-03	2023-02-03	628329.67	6743774.86	11	92.00
L65-23-PP-033	2023-02-06	2023-02-06	628313.38	6743738.36	11	92.00
L65-23-PP-034	2023-02-05	2023-02-06	628350.13	6743731.11	11	91.00
L65-23-PP-035	2023-02-07	2023-02-08	628339.57	6743752.31	11	76.00
L65-23-PP-036	2023-01-20	2023-01-22	628358.51	6743784.14	11	75.00
L65-23-PP-037	2023-01-21	2023-01-22	628384.95	6743781.72	11	73.00
L65-23-PP-038	2023-01-23	2023-01-24	628352.07	6743813.36	11	69.00
L65-23-PP-039	2023-01-28	2023-01-29	628335.28	6743833.51	11	41.00
L65-23-PP-039B	2023-01-28	2023-01-29	628335.28	6743833.51	11	71.00
L65-23-PP-040	2023-02-02	2023-02-05	628356.64	6743847.17	11	74.00
L65-23-PP-041	2023-01-22	2023-01-23	628398.77	6743841.39	11	76.00
L65-23-PP-042	2023-01-23	2023-01-23	628390.77	6743860.98	11	87.00
L65-23-PP-043	2023-02-01	2023-02-02	628368.77	6743867.47	11	82.00
L65-23-PP-044	2023-01-24	2023-01-25	628390.81	6743877.68	11	91.00
L65-23-PP-045	2023-01-31	2023-02-01	628337.98	6743898.48	11	82.00
L65-23-PP-046	2023-01-30	2023-01-31	628363.45	6743911.53	11	85.00
L65-23-PP-047	2023-01-29	2023-01-30	628374.47	6743935.27	11	82.00
L65-23-PP-048	2023-01-28	2023-01-29	628390.84	6743917.80	11	88.00
L65-23-PP-049	2023-01-27	2023-01-28	628412.74	6743935.22	11	85.00
L65-23-PP-050	2023-01-26	2023-01-27	628406.34	6743895.42	11	97.00
L65-23-PP-051	2023-02-27	2023-02-27	628445.49	6743869.88	11	91.00
L65-23-PP-052	2023-03-02	2023-03-02	628527.14	6743955.19	11	79.00
L65-23-PP-053	2023-03-03	2023-03-03	628519.54	6743982.63	11	79.00
L65-23-PP-054	2023-02-28	2023-02-28	628546.52	6744003.02	11	79.00
L65-23-PP-055	2023-03-01	2023-03-01	628567.25	6743990.55	11	64.00
L65-23-PP-056	2023-03-01	2023-03-02	628594.58	6743973.73	11	79.00
L65-23-PP-057	2023-03-02	2023-03-02	628820.36	6743999.27	11	83.00
L65-23-PP-058	2023-03-01	2023-03-02	628846.34	6744003.40	11	77.00
L65-23-PP-059	2023-01-12	2023-01-13	628681.69	6744175.58	11	65.00
L65-23-PP-060	2023-01-12	2023-01-12	628710.16	6744206.12	11	74.00
L65-23-PP-061	2023-01-09	2023-01-10	628695.07	6744229.18	11	71.10
L65-23-PP-062	2023-01-11	2023-01-11	628664.98	6744219.12	11	68.00
L65-23-PP-063	2023-01-28	2023-01-30	628229.33	6743657.97	11	78.00
L65-23-PP-OS-001	2023-04-17	2023-04-17	628260.53	6743754.00	11	90.00
L65-23-PP-OS-002	2023-04-09	2023-04-11	628268.57	6743752.12	11	90.00
L65-23-PP-OS-003B	2023-04-12	2023-04-12	628265.56	6743759.25	11	90.00
L65-23-PP-OS-003B	2023-04-12	2023-04-12	628265.56	6743759.25	11	90.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
M40-23-003	2023-11-12	2023-11-13	639916.62	6749905.22	11	16.50
M40-23-GT-01	2023-11-13	2023-11-14	639769.97	6749466.78	11	81.00
M40-23-PP-OS-001	2023-04-13	2023-04-13	640243.54	6749871.77	11	45.00
M40-23-PP-OS-002	2023-04-13	2023-04-14	640240.02	6749879.28	11	42.00
M40-23-PP-OS-003	2023-04-16	2023-04-16	640234.35	6749897.47	11	44.00
M40-23-PP-OS-004	2023-04-15	2023-04-16	640020.52	6749532.25	11	62.00
M40-23-PP-OS-005	2023-04-16	2023-04-16	640011.04	6749529.10	11	60.00
M48-23-PP-001	2023-04-09	2023-04-10	636391.06	6747717.68	11	48.00
M48-23-PP-002	2023-04-10	2023-04-10	636440.00	6747754.39	11	51.00
M48-23-PP-003	2023-04-11	2023-04-11	636479.97	6747835.14	11	45.00
M48-23-PP-003	2023-04-11	2023-04-11	636391.41	6747714.92	11	45.00
M48-23-PP-OS-001	2023-04-10	2023-04-11	636439.22	6747753.26	11	55.00
M48-23-PP-OS-002	2023-04-12	2023-04-12	636480.08	6747835.09	11	55.00
M48-23-PP-OS-002B	2023-04-10	2023-04-10	636479.79	6747835.70	11	55.00
M48-23-PP-OS-003B	2023-04-11	2023-04-11	636391.41	6747714.92	11	55.00
M62-23-PP-001	2023-01-17	2023-01-18	630064.70	6744825.75	11	88.00
M62-23-PP-002	2023-01-15	2023-01-16	630066.44	6744800.94	11	58.00
M62-23-PP-003	2023-01-18	2023-01-18	630002.45	6744774.61	11	67.00
M62-23-PP-004	2023-01-19	2023-01-20	629975.60	6744791.69	11	61.00
M62-23-PP-005	2023-04-08	2023-04-09	629867.63	6744775.39	11	57.00
M62-23-PP-006	2023-01-17	2023-01-18	629844.02	6744758.06	11	23.00
M62-23-PP-006B	2023-01-18	2023-01-19	629844.02	6744758.06	11	63.00
M62-23-PP-007	2023-01-16	2023-01-18	629815.64	6744759.71	11	54.00
M62-23-PP-007B	2023-01-16	2023-01-18	629815.64	6744759.71	11	65.00
M62-23-PP-008	2023-01-08	2023-01-09	630126.16	6744498.38	11	23.00
M62-23-PP-008B	2023-01-09	2023-01-13	630126.16	6744498.38	11	62.00
M62-23-PP-009	2023-01-14	2023-01-15	630093.09	6744466.28	11	67.00
M62-23-PP-010	2023-01-13	2023-01-14	630082.90	6744493.14	11	73.00
M62-23-PP-011	2023-01-11	2023-01-12	630063.57	6744478.92	11	69.00
M62-23-PP-012	2023-01-14	2023-01-15	630051.41	6744439.23	11	71.00
M62-23-PP-013	2023-04-07	2023-04-08	629811.44	6744581.83	11	84.00
M62-23-PP-014	2023-04-09	2023-04-09	629761.07	6744584.86	11	36.00
M62-23-PP-014B	2023-04-09	2023-04-11	629761.07	6744584.86	11	87.00
M62-23-PP-015	2023-04-16	2023-04-16	629791.93	6744546.87	11	87.00
M62-23-PP-016	2023-04-16	2023-04-16	629778.32	6744519.10	11	90.00
M62-23-PP-017	2023-04-18	2023-04-18	629785.37	6744486.75	11	90.00
M62-23-PP-018	2023-04-19	2023-04-20	629748.16	6744482.93	11	90.00
M62-23-PP-019	2023-04-18	2023-04-19	629718.59	6744482.41	11	90.00
M62-23-PP-020	2023-04-19	2023-04-20	629749.55	6744452.15	11	90.00
M62-23-PP-OS-001	2023-04-22	2023-04-23	629480.13	6744339.05	11	90.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
M62-23-PP-OS-002	2023-04-20	2023-04-20	629497.52	6744344.05	11	90.00
M62-23-PP-OS-003	2023-04-20	2023-04-21	629487.68	6744344.05	11	90.00
M63-23-GT-01	2023-10-26	2023-10-28	629593.39	6744430.50	11	87.00
M63-23-GT-02	2023-10-25	2023-10-26	630136.27	6744520.70	11	65.00
M63-23-GT-03	2023-11-01	2023-11-02	629588.62	6744347.42	11	90.00
M67-23-GT-01	2023-10-29	2023-10-31	627893.71	6743538.72	11	102.00
M67-23-GT-02	2023-10-31	2023-10-31	628189.02	6743676.26	11	75.00
M67-23-PP-001	2023-01-07	2023-01-08	627896.27	6743459.13	11	72.00
M67-23-PP-002	2023-01-08	2023-01-09	627888.18	6743480.04	11	75.00
M67-23-PP-003	2023-01-09	2023-01-09	627961.03	6743512.69	11	75.00
M67-23-PP-004	2023-01-09	2023-01-09	627987.71	6743495.50	11	75.00
M67-23-PP-005	2023-01-15	2023-01-16	628004.09	6743513.80	11	78.00
M67-23-PP-006	2023-01-10	2023-01-10	628012.41	6743480.05	11	72.00
M67-23-PP-007	2023-01-11	2023-01-16	628025.08	6743503.20	11	75.00
M67-23-PP-008	2023-01-11	2023-01-11	628042.06	6743477.46	11	75.00
M67-23-PP-009	2023-01-17	2023-01-18	628057.28	6743511.82	11	81.00
M67-23-PP-010	2023-01-18	2023-01-18	628067.72	6743490.21	11	75.00
M67-23-PP-011	2023-01-18	2023-01-18	628080.42	6743517.91	11	78.00
M67-23-PP-012	2023-01-18	2023-01-19	628108.43	6743517.01	11	75.00
M67-23-PP-013	2023-01-18	2023-01-19	628124.72	6743539.00	11	81.00
M67-23-PP-014	2023-01-19	2023-01-20	628130.94	6743564.39	11	81.00
M67-23-PP-015	2023-01-16	2023-01-17	628038.93	6743569.95	11	81.00
M67-23-PP-016	2023-01-16	2023-01-16	628029.48	6743587.88	11	81.00
M67-23-PP-017	2023-01-21	2023-01-21	628039.10	6743621.93	11	81.00
M67-23-PP-018	2023-01-08	2023-01-10	628064.79	6743667.54	11	81.00
M67-23-PP-019	2023-01-10	2023-01-11	628103.25	6743662.02	11	81.00
M67-23-PP-020	2023-01-11	2023-01-12	628100.70	6743635.27	11	84.00
M67-23-PP-021	2023-01-12	2023-01-13	628139.96	6743621.65	11	84.00
M67-23-PP-022	2023-01-13	2023-01-15	628137.83	6743643.05	11	84.00
M67-23-PP-023	2023-01-15	2023-01-16	628125.07	6743683.04	11	75.00
M67-23-PP-024	2023-01-16	2023-01-17	628156.57	6743686.50	11	78.00
M67-23-PP-025	2023-01-17	2023-01-19	628174.79	6743675.15	11	78.00
M67-23-PP-026	2023-01-20	2023-01-21	628195.15	6743674.40	11	78.00
M67-23-PP-027	2023-01-26	2023-01-27	627958.20	6743481.20	11	69.00
M67-23-PP-028	2023-01-26	2023-01-27	627930.84	6743513.22	11	69.00
M67-23-PP-029	2023-01-25	2023-01-25	627908.70	6743497.53	11	66.00
M67-23-PP-030	2023-01-25	2023-01-26	627923.68	6743471.15	11	69.00
M67-23-PP-OS-001	2023-04-03	2023-04-06	628038.19	6743566.13	11	90.00
M67-23-PP-OS-002	2023-04-07	2023-04-08	628041.49	6743566.99	11	90.00
N1-23-005	2023-11-22	2023-11-22	635055.43	6752955.00	11	20.40

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
N1-23-006	2023-11-20	2023-11-20	630426.62	6750233.07	11	23.30
N1-23-007	2023-11-19	2023-11-20	627169.87	6748190.92	11	24.00
N204-23-013	2023-11-02	2023-11-04	659294.00	6760985.92	11	19.00
N204-23-GT-01	2023-11-10	2023-11-11	659331.06	6760687.14	11	71.00
N204-23-GT-01B	2023-11-12	2023-11-13	659330.05	6760686.81	11	72.00
N204-23-GT-02	2023-11-11	2023-11-12	659430.77	6760265.99	11	75.00
N2-23-008	2023-11-18	2023-11-19	619322.50	6746590.21	11	37.50
N32-23-PP-001	2023-05-18	2023-05-18	643133.85	6751071.90	11	42.00
N33-23-PP-OS-001	2023-04-07	2023-04-08	643103.61	6751191.50	11	40.00
N42/O42-23-002	2023-11-13	2023-11-16	639588.98	6748313.56	11	68.00
NE1-23-009	2023-10-10	2023-10-10	641278.89	6757991.34	11	26.40
O53-23-GT-01	2023-11-02	2023-11-05	633963.70	6745787.81	11	99.00
O53-23-GT-02	2023-11-05	2023-11-09	633867.98	6745650.38	11	102.00
O53-23-PP-OS-001	2023-05-22	2023-05-23	634078.76	6745736.64	11	90.00
O53-23-PP-OS-002	2023-05-24	2023-05-24	633952.03	6745698.50	11	72.00
O53-23-PP-OS-003	2023-05-24	2023-05-24	633950.10	6745700.78	11	72.00
O556-23-PP-001	2023-03-15	2023-03-15	599505.06	6734180.17	11	192.00
O556-23-PP-002	2023-03-15	2023-03-17	599513.83	6734141.95	11	192.00
O556-23-PP-003	2023-03-19	2023-03-29	599478.30	6734123.41	11	192.00
O556-23-PP-004	2023-03-17	2023-03-19	599520.11	6734108.25	11	192.00
O556-23-PP-005	2023-03-29	2023-03-30	599498.00	6734109.78	11	192.00
O556-23-PP-006	2023-03-25	2023-03-26	599446.52	6734128.37	11	192.00
O556-23-PP-007	2023-03-24	2023-03-25	599423.17	6734115.15	11	192.00
O556-23-PP-008	2023-03-26	2023-03-27	599428.82	6734088.75	11	192.00
O556-23-PP-009	2023-03-27	2023-03-28	599459.05	6734080.69	11	192.00
O556-23-PP-010	2023-03-30	2023-03-31	599487.11	6734076.18	11	192.00
O556-23-PP-OS-001	2023-03-31	2023-04-02	599467.78	6734110.89	11	192.00
O556-23-PP-OS-002	2023-04-03	2023-04-05	599458.81	6734080.62	11	192.00
O556-23-PW-01	2023-10-22	2023-10-28	599521.15	6734121.75	11	138.70
P499-23-IW-01	2023-10-13	2023-10-17	600001.18	6733756.54	11	128.04
P499-23-IW-02	2023-10-17	2023-10-22	599872.21	6733703.39	11	128.04
P499-23-PP-001	2023-04-02	2023-04-04	600340.13	6733557.90	11	168.00
P499-23-PP-002	2023-04-01	2023-04-01	600307.90	6733557.04	11	186.00
P499-23-PP-003	2023-03-30	2023-04-01	600270.86	6733559.56	11	189.00
P499-23-PP-004	2023-04-05	2023-04-06	600280.51	6733578.00	11	189.00
P499-23-PP-OS-001	2023-04-06	2023-04-08	600316.91	6733578.96	11	190.00
P499-23-PP-OS-001B	2023-04-06	2023-04-08	600316.97	6733579.10	11	92.00
R190-23-GT-02	2023-12-01	2023-12-03	602245.22	6734345.95	11	186.00
T37-23-PP-001	2023-03-15	2023-03-15	640676.53	6757978.24	11	25.00
T37-23-PP-002	2023-04-05	2023-04-06	640713.17	6758002.97	11	36.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
T37-23-PP-003	2023-03-16	2023-03-17	640778.56	6758025.86	11	30.00
T37-23-PP-004	2023-03-16	2023-03-16	640820.69	6758038.78	11	27.00
T37-23-PP-005	2023-03-17	2023-03-18	640849.93	6758072.40	11	30.00
T37-23-PP-006	2023-03-17	2023-03-17	640881.81	6758103.90	11	33.00
T37-23-PP-007	2023-03-17	2023-03-17	640699.88	6757937.91	11	33.00
TSFE-23-006	2023-10-12	2023-10-12	643536.85	6754692.73	11	28.90
TSFE-23-007	2023-11-10	2023-11-10	641996.12	6753612.43	11	21.00
TSFE-23-008	2023-11-10	2023-11-11	642846.89	6752675.49	11	13.40
TSFE-23-009	2023-11-11	2023-11-12	642905.01	6753738.09	11	21.90
TSFE-23-010	2023-10-11	2023-10-11	642602.68	6754724.31	11	27.30
TSFE-23-010-B	2023-10-10	2023-10-10	641673.08	6755315.76	11	20.30
TSFW-23-001	2023-11-27	2023-11-27	637415.75	6750616.01	11	18.10
TSFW-23-002	2023-10-25	2023-10-26	635753.37	6752443.55	11	27.30
TSFW-23-003	2023-10-20	2023-10-24	635443.04	6750856.80	11	21.00
TSFW-23-004	2023-11-23	2023-11-23	636147.44	6751531.85	11	21.00
TSFW-23-005	2023-11-28	2023-11-28	637162.75	6752260.26	11	23.20
W85-23-GT-01	2023-11-25	2023-11-27	619792.89	6746348.06	11	156.00
W85-23-GT-02	2023-11-22	2023-11-24	619667.55	6746537.74	11	120.00
WZ-23-011	2023-10-31	2023-11-02	607052.99	6736085.90	11	46.00
WZ-23-012	2023-10-29	2023-10-31	601392.09	6734106.06	11	46.00
X15/W17-23-007	2023-11-04	2023-11-05	650875.37	6752930.86	11	63.40
X15/W17-23-007A	2023-11-05	2023-11-06	650872.61	6752931.13	11	2.10
X18-23-PP-003	2023-03-19	2023-03-21	650112.85	6764586.09	11	57.00
X18-23-PP-008	2023-03-21	2023-03-22	650089.47	6764561.05	11	21.00
X25-23-PP-001	2023-01-28	2023-02-01	606181.53	6735791.15	11	198.00
X25-23-PP-002	2023-02-07	2023-02-09	606188.79	6735823.70	11	129.00
X25-23-PP-002B	2023-02-02	2023-02-10	606188.79	6735823.70	11	201.00
X25-23-PP-003	2023-03-02	2023-03-07	606196.90	6735806.82	11	198.00
X25-23-PP-004	2023-02-26	2023-03-02	606219.05	6735811.93	11	195.00
X25-23-PP-005	2023-03-08	2023-03-10	606255.65	6735834.83	11	180.00
X25-23-PP-006	2023-02-07	2023-02-08	606291.51	6735819.45	11	165.00
X25-23-PP-007	2023-02-05	2023-02-06	606317.42	6735797.58	11	177.00
X25-23-PP-008	2023-02-04	2023-02-05	606325.71	6735767.88	11	138.00
X25-23-PP-009	2023-02-03	2023-02-04	606344.33	6735740.02	11	138.00
X25-23-PP-010	2023-02-02	2023-02-03	606367.38	6735727.77	11	147.00
X25-23-PP-011	2023-02-01	2023-02-02	606369.91	6735751.31	11	141.00
X25-23-PP-012	2023-01-31	2023-02-01	606390.81	6735742.59	11	144.00
X25-23-PP-013	2023-01-31	2023-01-31	606407.93	6735753.18	11	144.00
X25-23-PP-014	2023-01-29	2023-01-30	606436.12	6735767.24	11	150.00
X25-23-PP-015	2023-01-26	2023-01-27	606392.60	6735773.01	11	153.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
X25-23-PP-016	2023-01-26	2023-01-27	606413.11	6735780.15	11	141.00
X25-23-PP-017	2023-01-28	2023-01-29	606439.30	6735790.60	11	126.00
X25-23-PP-018	2023-01-24	2023-01-25	606403.27	6735812.14	11	144.00
X25-23-PP-019	2023-01-21	2023-01-24	606391.02	6735840.19	11	138.00
X25-23-PP-020	2023-03-12	2023-03-12	606338.81	6735843.24	11	105.00
X25-23-PP-021	2023-02-08	2023-02-09	606306.40	6735870.80	11	177.00
X25-23-PP-022	2023-03-10	2023-03-12	606311.96	6735895.43	11	153.00
X25-23-PP-023	2023-03-10	2023-03-11	606331.77	6735879.09	11	180.00
X25-23-PP-024	2023-03-14	2023-03-16	606351.54	6735865.84	11	156.00
X25-23-PP-025	2023-03-11	2023-03-12	606372.87	6735865.82	11	138.00
X25-23-PP-026	2023-01-16	2023-01-20	606414.75	6735854.09	11	153.00
X25-23-PP-027	2023-03-16	2023-03-17	606457.43	6735861.32	11	132.00
X25-23-PP-028	2023-01-10	2023-01-15	606439.94	6735868.28	11	154.00
X25-23-PP-029	2023-03-12	2023-03-14	606398.50	6735882.37	11	132.00
X25-23-PP-030	2023-03-06	2023-03-08	606356.22	6735893.80	11	183.00
X25-23-PP-031	2023-03-08	2023-03-09	606336.80	6735921.51	11	147.00
X25-23-PP-032	2023-03-05	2023-03-05	606383.61	6735909.35	11	138.00
X25-23-PP-033	2023-03-01	2023-03-02	606441.99	6735961.84	11	141.00
X25-23-PP-034	2023-03-02	2023-03-03	606480.24	6735924.59	11	150.00
X25-23-PP-035	2023-03-04	2023-03-04	606497.37	6735893.16	11	150.00
X25-23-PP-036	2023-02-28	2023-03-01	606518.49	6735878.19	11	150.00
X25-23-PP-037	2023-02-28	2023-03-01	606524.38	6735906.10	11	150.00
X25-23-PP-038	2023-02-25	2023-02-27	606564.99	6735907.07	11	150.00
X25-23-PP-039	2023-02-12	2023-02-26	606546.02	6735920.61	11	144.00
X25-23-PP-040	2023-02-08	2023-02-09	606554.45	6735945.55	11	144.00
X25-23-PP-041	2023-02-10	2023-02-10	606524.66	6735963.05	11	144.00
X25-23-PP-OS-001	2023-03-20	2023-03-22	606480.16	6735924.57	11	180.00
X25-23-PP-OS-002	2023-03-20	2023-03-23	606480.02	6735924.53	11	155.00
X49-23-PP-001	2023-03-24	2023-03-24	636108.48	6754449.24	11	38.00
X49-23-PP-002	2023-03-23	2023-03-24	636103.46	6754467.71	11	29.00
X49-23-PP-003	2023-03-23	2023-03-23	636092.92	6754480.19	11	38.00
X49-23-PP-004	2023-03-24	2023-03-24	636058.42	6754468.74	11	26.00
X49-23-PP-005	2023-03-24	2023-03-24	636065.01	6754457.54	11	41.00
X49-23-PP-006	2023-03-25	2023-03-25	636072.48	6754434.76	11	26.00
X49-23-PP-007	2023-03-25	2023-03-26	636074.39	6754408.23	11	38.00
X49-23-PP-008	2023-03-25	2023-03-25	636037.98	6754390.50	11	41.00
X49-23-PP-009	2023-03-26	2023-03-26	636024.66	6754374.06	11	23.00
X49-23-PP-010	2023-03-26	2023-03-26	636000.47	6754333.02	11	41.00
X49-23-PP-011	2023-03-26	2023-03-26	635970.75	6754306.89	11	41.00
X49-23-PP-012	2023-03-27	2023-03-27	635940.96	6754313.93	11	41.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
X49-23-PP-013	2023-03-27	2023-03-27	635932.01	6754331.91	11	29.00
X49-23-PP-014	2023-03-26	2023-03-26	635937.94	6754353.61	11	41.00
X49-23-PP-015	2023-03-27	2023-03-27	635854.86	6754278.00	11	29.00
X49-23-PP-016	2023-03-27	2023-03-28	635697.07	6754265.96	11	29.00
X49-23-PP-017	2023-03-28	2023-03-28	635678.97	6754230.71	11	32.00
X49-23-PP-018	2023-03-28	2023-03-28	635673.31	6754215.10	11	41.00
X49-23-PP-019	2023-03-29	2023-03-29	635653.02	6754185.97	11	32.00
X49-23-PP-020	2023-03-28	2023-03-29	635633.47	6754227.98	11	26.00
X49-23-PP-021	2023-03-28	2023-03-28	635593.18	6754226.59	11	32.00
X49-23-PP-022	2023-03-29	2023-03-29	635615.84	6754180.53	11	32.00
X49-23-PP-023	2023-03-29	2023-03-29	635617.64	6754163.58	11	41.00
X49-23-PP-024	2023-03-29	2023-03-30	635590.71	6754148.29	11	32.00
X49-23-PP-025	2023-03-30	2023-03-30	635475.11	6754108.32	11	26.00
X49-23-PP-026	2023-03-30	2023-03-30	635448.08	6754083.84	11	29.00
X49-23-PP-027	2023-03-30	2023-03-30	635434.58	6754110.75	11	29.00
X49-23-PP-028	2023-03-31	2023-03-31	635367.26	6754142.88	11	38.00
X49-23-PP-029	2023-03-31	2023-03-31	635357.57	6754159.02	11	38.00
X49-23-PP-030	2023-04-01	2023-04-01	635326.22	6754154.42	11	38.00
X49-23-PP-031	2023-04-01	2023-04-01	635336.49	6754120.16	11	20.00
X49-23-PP-OS-001	2023-03-31	2023-03-31	635436.05	6754110.51	11	35.00
X59-23-PP-001	2023-03-16	2023-03-17	631479.06	6752138.94	11	58.00
X59-23-PP-002	2023-03-17	2023-03-17	631435.74	6752117.11	11	58.00
X59-23-PP-003	2023-03-19	2023-03-19	631499.99	6752094.49	11	58.00
X59-23-PP-004	2023-04-02	2023-04-02	631540.61	6752092.26	11	62.00
X59-23-PP-005	2023-03-18	2023-03-18	631518.81	6752055.78	11	61.00
X59-23-PP-006	2023-03-20	2023-03-21	631605.13	6752072.38	11	46.00
X59-23-PP-007	2023-03-20	2023-03-20	631657.88	6752040.02	11	40.00
X59-23-PP-008	2023-03-20	2023-03-20	631602.48	6752046.21	11	40.00
X59-23-PP-009	2023-03-21	2023-03-21	631572.14	6752039.10	11	58.00
X59-23-PP-010	2023-03-19	2023-03-19	631545.96	6752025.50	11	55.00
X59-23-PP-011	2023-03-18	2023-03-18	631497.88	6752039.08	11	61.00
X59-23-PP-012	2023-03-21	2023-03-22	631524.00	6751996.16	11	55.00
X59-23-PP-013	2023-03-22	2023-03-22	631510.48	6751971.46	11	58.00
X59-23-PP-014	2023-03-22	2023-03-22	631496.55	6751944.06	11	37.00
X59-23-PP-015	2023-03-23	2023-03-23	631458.22	6751973.45	11	58.00
X59-23-PP-016	2023-03-22	2023-03-23	631470.67	6751929.71	11	52.00
X59-23-PP-017	2023-03-22	2023-03-22	631458.13	6751903.88	11	58.00
X59-23-PP-OS-001	2023-04-03	2023-04-04	631504.73	6751956.53	11	62.00
X59-23-PP-OS-002	2023-04-02	2023-04-03	631548.16	6752017.36	11	62.00
X60-23-PP-001	2023-03-22	2023-03-22	631373.19	6751832.65	11	50.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
X60-23-PP-002	2023-03-20	2023-03-20	631327.73	6751848.72	11	41.00
X60-23-PP-003	2023-03-21	2023-03-21	631349.56	6751795.42	11	50.00
X60-23-PP-004	2023-03-19	2023-03-20	631318.43	6751808.08	11	56.00
X60-23-PP-005	2023-03-21	2023-03-21	631297.73	6751772.80	11	50.00
X60-23-PP-006	2023-03-18	2023-03-18	631269.94	6751825.49	11	51.00
X60-23-PP-007	2023-03-19	2023-03-19	631238.17	6751832.28	11	50.00
X60-23-PP-008	2023-03-19	2023-03-19	631195.34	6751860.31	11	38.00
X60-23-PP-009	2023-04-06	2023-04-06	631215.29	6751807.69	11	39.00
X60-23-PP-010	2023-03-17	2023-03-17	631241.18	6751751.22	11	50.00
X60-23-PP-011	2023-03-16	2023-03-17	631145.20	6751730.95	11	35.00
X60-23-PP-OS-001	2023-04-05	2023-04-06	631216.29	6751734.97	11	62.00
X60-23-PP-OS-002	2023-04-04	2023-04-05	631289.01	6751797.63	11	62.00
X61-23-PP-001	2023-03-25	2023-03-25	630345.37	6751380.14	11	55.00
X61-23-PP-002	2023-03-24	2023-03-24	630338.28	6751414.44	11	53.00
X61-23-PP-OS-002	2023-04-01	2023-04-02	630520.38	6751495.86	11	65.00
X64-23-PP-001	2023-04-04	2023-04-04	628896.89	6750521.46	11	61.00
X64-23-PP-002	2023-04-05	2023-04-05	628874.96	6750538.21	11	61.00
X64-23-PP-003	2023-04-05	2023-04-05	628868.84	6750560.75	11	61.00
X64-23-PP-004	2023-04-06	2023-04-06	628856.20	6750552.66	11	60.00
X64-23-PP-005	2023-04-03	2023-04-04	628783.85	6750512.50	11	61.00
X64-23-PP-006	2023-04-03	2023-04-03	628775.12	6750527.53	11	60.00
X64-23-PP-007	2023-04-02	2023-04-02	628764.07	6750515.21	11	61.00
X64-23-PP-008	2023-04-01	2023-04-01	628740.22	6750516.10	11	61.00
X64-23-PP-009	2023-04-02	2023-04-02	628748.82	6750503.04	11	61.00
X64-23-PP-010	2023-03-31	2023-04-01	628737.05	6750491.07	11	60.00
X64-23-PP-011	2023-03-30	2023-03-31	628717.48	6750492.02	11	60.00
X64-23-PP-OS-001	2023-04-08	2023-04-08	628772.46	6750530.52	11	50.00
X65-23-PP-OS-001	2023-04-09	2023-04-10	628100.71	6749803.59	11	50.00
X68-23-PP-003	2023-04-10	2023-04-11	627020.12	6749056.22	11	35.00
X68-23-PP-005	2023-04-08	2023-04-09	627270.00	6749099.24	11	46.00
X68-23-PP-006	2023-04-06	2023-04-07	627290.46	6749107.54	11	44.00
X68-23-PP-007	2023-04-09	2023-04-09	627262.74	6749130.66	11	47.00
X68-23-PP-008	2023-04-07	2023-04-08	627284.32	6749154.78	11	45.00
X68-23-PP-009	2023-04-04	2023-04-04	627362.77	6749148.67	11	41.00
X68-23-PP-010	2023-04-04	2023-04-05	627386.94	6749090.58	11	41.00
X68-23-PP-011	2023-04-05	2023-04-06	627354.50	6749099.72	11	42.00
X68-23-PP-012	2023-03-31	2023-04-01	627622.75	6749238.92	11	74.00
X68-23-PP-013	2023-04-01	2023-04-02	627614.91	6749219.82	11	72.00
X68-23-PP-014	2023-04-02	2023-04-02	627594.13	6749228.53	11	72.00
X68-23-PP-015	2023-04-03	2023-04-04	627598.23	6749250.75	11	72.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
X68-23-PP-016	2023-04-09	2023-04-10	627052.92	6749007.66	11	74.00
X68-23-PP-OS-003	2023-04-10	2023-04-11	627594.13	6749228.53	11	47.00
Y55-23-PP-001	2023-03-16	2023-03-17	632905.56	6752383.80	11	36.60
Y55-23-PP-002	2023-03-17	2023-03-18	633012.85	6752355.83	11	30.80
Y55-23-PP-003	2023-03-18	2023-03-19	633027.43	6752405.30	11	32.00
Y55-23-PP-004	2023-03-17	2023-03-17	632984.41	6752424.45	11	24.00
Y55-23-PP-005	2023-03-19	2023-03-19	633000.03	6752473.50	11	32.00
Y55-23-PP-006	2023-03-18	2023-03-18	633028.03	6752489.01	11	32.00
Y55-23-PP-007	2023-03-19	2023-03-19	633053.31	6752446.67	11	32.00
Y55-23-PP-008	2023-03-19	2023-03-20	633105.79	6752427.86	11	27.00
Y55-23-PP-009	2023-03-20	2023-03-20	633153.73	6752414.46	11	32.00
Y55-23-PP-010	2023-03-21	2023-03-21	633130.26	6752468.50	11	32.00
Y55-23-PP-011	2023-03-20	2023-03-20	633176.00	6752452.80	11	23.00
Y55-23-PP-012	2023-03-20	2023-03-21	633189.68	6752486.20	11	50.00
Y55-23-PP-013	2023-03-22	2023-03-22	633159.17	6752488.14	11	26.00
Y55-23-PP-014	2023-03-23	2023-03-23	633137.26	6752525.84	11	32.00
Y55-23-PP-OS-001	2023-03-21	2023-03-22	633160.14	6752488.31	11	32.00
Y55-23-PP-OS-002	2023-03-22	2023-03-23	633185.22	6752495.06	11	32.00
Y55-23-PP-OS-003	2023-03-23	2023-03-23	633190.49	6752487.89	11	32.00
Y55-23-PP-OS-004	2023-03-24	2023-03-24	633188.90	6752484.71	11	32.00
Y57-23-PP-001	2023-03-29	2023-03-29	634928.83	6752402.54	11	23.00
Y57-23-PP-002	2023-03-29	2023-03-29	634967.67	6752389.83	11	20.00
Y57-23-PP-003	2023-03-30	2023-03-31	634983.88	6752418.67	11	30.00
Y57-23-PP-004	2023-03-30	2023-03-30	634999.88	6752390.19	11	20.00
Y57-23-PP-005	2023-03-30	2023-03-30	635036.60	6752396.40	11	23.00
Y57-23-PP-006	2023-03-31	2023-04-01	635012.69	6752413.21	11	20.00
Y57-23-PP-007	2023-03-31	2023-03-31	635039.17	6752427.46	11	23.00
Y57-23-PP-008	2023-03-31	2023-03-31	635035.99	6752457.50	11	20.00
Y58-23-PP-001	2023-03-27	2023-03-28	633981.51	6751884.57	11	32.00
Y58-23-PP-002	2023-03-27	2023-03-27	633980.25	6751909.92	11	29.00
Y58-23-PP-003	2023-03-26	2023-03-26	633984.53	6751941.09	11	29.00
Y58-23-PP-004	2023-03-26	2023-03-26	633957.31	6751959.23	11	29.00
Y58-23-PP-005	2023-03-27	2023-03-27	633957.64	6751930.12	11	32.00
Y58-23-PP-006	2023-03-28	2023-03-28	633955.93	6751899.74	11	29.00
Y58-23-PP-007	2023-03-25	2023-03-26	633928.49	6751948.04	11	29.00
Y60-23-008	2023-11-20	2023-11-21	631109.68	6750902.89	11	34.00
Y62-23-PP-001	2023-03-29	2023-03-30	629975.57	6751085.97	11	47.00
Y62-23-PP-002	2023-03-26	2023-03-26	629783.05	6751085.00	11	41.00
Y62-23-PP-002B	2023-03-28	2023-03-28	629782.62	6751085.12	11	56.00
Y62-23-PP-003	2023-03-27	2023-03-27	629809.57	6751117.60	11	53.00

Hole ID	Date Opened	Date Closed	Easting NAD83	Northing NAD83	UTM Zone	Length (m)
Y65-23-PP-001	2023-05-26	2023-05-26	628229.57	6749899.84	11	60.00
Y65-23-PP-002	2023-05-26	2023-05-26	628268.69	6750000.17	11	60.00
Y65-23-PP-003	2023-05-25	2023-05-26	628267.39	6750017.29	11	60.00
Y65-23-PP-OS-001	2023-04-09	2023-04-09	628631.12	6750114.32	11	50.00
Y68-23-PP-001	2023-03-28	2023-03-29	628070.13	6749762.53	11	58.00
Y68-23-PP-002	2023-03-29	2023-03-30	628094.64	6749760.18	11	58.00
Y68-23-PP-003	2023-03-26	2023-03-26	628113.22	6749788.30	11	55.00
Y68-23-PP-004	2023-03-27	2023-03-27	628120.12	6749765.13	11	55.00
Y68-23-PP-005	2023-03-26	2023-03-27	628144.90	6749773.44	11	55.00
Y68-23-PP-006	2023-03-24	2023-03-24	628153.92	6749821.89	11	55.00

Appendix II CLEARING SURVEYS COMPLETED

Location	Date	Survey Start Time	Survey End Time	Wind Speed km/h	Cloud Cover	T (C)	Precip (mm)	Days since last snow	Observer	Centre_E	Centre_N	Habitat	Caribou Biophysical Attribute (Y/N)
Y55	09-Jan-23	11:00	11:21	NA	Cloudy	-10	No	NA	Robert Chee	633269	6752520	cotton tails, dead birch and spruce, some lichen patches, avg hgt 2.5m	NA
J68	13-Jan-23	9:33	9:48	NA	NA	-21	NA	2	Glen/Phil	627268	6744165	Snow Covered	NA
K68	14-Jan-23	?	?	NA	Partial cloud	-15	0	1	Robert Chee	627846	6743843	spruce, Fir, dense forest, no lichen	NA
K68	14-Jan-23	NA	NA	NA	Partial cloud	-15	0	1	Robert Chee	627846	6743843	10m spruce/fir, dense, no lichen	
X60	15-Jan-23	10:35	14:35	NA	Cloudy	-15	light	1	Robert Chee	632143	6751863	mature, thick forest mix of deciduous and conifer, some swampy areas, some clearings	N
X59_58	15-Jan-23	?	?	NA	Overcast	-15	Light Snow	1	Robert Chee	631117	6751695	black spruce, poplar, birch, mine lichens, dense forest with abundant clearings	NA
X68	19-Jan-23	12:00	13:43	NA	Clear	-2	NA	NA	Robert Chee	627475	6748327	dense forest, spruce and fir, avg hgt 30m, swampy ponds, minimal lichen.	N
Y62	20-Jan-23			NA	Partial	-4	NA	NA	Robert Chee	630463	6751357	spruce, fir, tamarack, birch, av hgt 20m, no lichen	N
X60_X59	22-Jan-23	13:12	14:44	NA	Sunny	-16	NA	1	Robert Chee	630755	6751540	15m tall spruce, med density, swamps and ponds	N
T37	24-Jan-23	12:26	14:30	NA	Cloudy	-12	1	0	Robert Chee	641232	6758068	mod to low density spruce, fir, tamarack, birch, 15-20m ave. hgt, swampy ponds and groundwater	N
X17_X18	31-Jan-23	12:00	17:00	Yes	Clear	-30	0	6	Cody Webber	650008	6764336	high ground, sandy soil, spruce, tamarack, some birch, mossy	N
Y68	02-Feb-23	2:55	3:15	NA	NA	NA	NA	NA	Noah Collinson	628114	6749823	low spruce (<20m), bush (2m), low grass, open marsh	N

Location	Date	Survey Start Time	Survey End Time	Wind Speed km/h	Cloud Cover	T (C)	Precip (mm)	Days since last snow	Observer	Centre_E	Centre_N	Habitat	Caribou Biophysical Attribute (Y/N)
X49	03-Feb-23	10:00	14:00	0	Full cloud	-20	10	0	Noah Collinson	635674	6754423	dense forest and bush, 1.5-15m hgt	N
T37	05-Feb-23	13:30	14:30	15	Full cloud	-20	Snow	0	Noah Collinson	640878	6757904	trees (approx 15m), dense bush, swamp, no lichen	N
Y58	07-Feb-23	9:30	11:00	10	Partial cloud	-20	Light Snow	0	Noah Collinson	634185	6751698	fense forest/bush 1.5-15m, no lichen	NA
Y57	07-Feb-23	11:15	11:15	NA	Partial cloud	-18	0	1	Cody Webber	634776	6752407	med density spruce, fir, birch (<25m), no lichen	NA
T37	07-Feb-23	13:00	14:00	NA	Partial cloud	-19	0	1	Cody Webber	641230	6758083	med density spruce, tamarack, fir, birch (<25m)	NA
X25	24-Feb-23	11:30	13:00	NA	Partial cloud	-15	0	5	Cody Webber	606295	6735822	low to med density forest, Avg hgt 20m, spruce, fir, no lichen	NA
K51_52	04-Mar-23	10:50	11:00	NA	Sunny	-21	0	1	Robert Chee	634218	6747848	low density forest jack pine, fir, tamarack, no Lichen	NA
T37	14-Mar-23	15:45	15:30	NA	Partial cloud	-11	0	12	Cody Webber	640719	6757948	mod dense spruce, pine, willow, swampy, no lichen	NA
Y55	15-Mar-23	14:05	14:45	NA	Partial cloud	-11	0	13	?	633009	6752467	willow, pine, tamarack, swamp	NA
X60_59	15-Mar-23	15:30	16:50	NA	Partial cloud	-11	0	13	Cody Webber	631259	6751822	pine, spruce, tamarack, moss, some swamp	NA
X17_18	18-Mar-23	10:00	10:30	NA	Clear	-2	0	14	Cody Webber	649836	6764433	tamarack, pine, birch, sandy soil, mossy ground	NA
X49	21-Mar-23	9:45	10:17	NA	Clear	-9	0	20	Cody Webber	636021	6754318	pine, birch, willows, swampy, some mossy areas	NA
X61_Y62	23-Mar-23	5:30	6:00	NA	U	-11	0	1	Cody Webber	630242	6751148	pine, birch, smaller trees, willow, swampy	NA

Location	Date	Survey Start Time	Survey End Time	Wind Speed km/h	Cloud Cover	T (C)	Precip (mm)	Days since last snow	Observer	Centre_E	Centre_N	Habitat	Caribou Biophysical Attribute (Y/N)
Y68	23-Mar-23	6:30	6:33	NA	U	-11	0	1	Cody Webber	627941	6749954	tamarack, Small pine, Swampy	NA
Y58	24-Mar-23	5:30	5:55	NA	0	-9	0	1	Cody Webber	633872	6751864	pine, larger trees, some marsh/swamp	NA
X68	29-Mar-23	13:30	13:30	NA	Partial cloud	-8	light snow	0	Cody Webber	627211	6748873	pine, willows, tamarack, swampy	NA
X64	29-Mar-23	NA	NA	NA	NA	-8	light snow	0	Cody Webber	628848	6750586	small pine, tamarack, swamp	NA
Y57	29-Mar-23	NA	NA	NA	Partial cloud	-8	Light Snow	0	Cody Webber	635178	6752628	Pines, Birch, Willow	N
X59_60_61	01-Apr-23	NA	NA	NA	Cloudy	-8	50	0	Cody Webber	630939	6751767	Pine, tamarack, Willows, swampy	N
M67	02-Apr-23	NA	NA	NA	Partial cloud	-9	12	0	Cody Webber	628524	6743243	Pine, moss, cattails, low lying area	N
K51_52	03-Apr-23	9:30	9:50	NA	Clear	-11	0	1	Robert Chee	635066	6748343	Pine, Willow, some swamp	N
M62	04-Apr-23	12:15	13:30	NA	Clear	-5	0	2	Robert Chee	629818	6744833	Med Density Pine, Fir, no lichen	N
T37	16-Apr-23	NA	NA	NA	Clear	8	0	4	Cody Webber	640888	6757879	Small pine, tamarack, swamp, willow	NA
M48	19-Apr-23	12:00	12:00	NA	Clear	4	0	13	Cody Webber	636492	6747934	Small birch, pine, willow, tamarack, swamp	NA
P499	25-Sep-23	15:38	17:32	NA	sunny	1	0	NA	Cody Webber	599928	6733819	Small Pine, Buck brush, Moss, sandbars, short veg composition	N
P499	25-Sep-23			NA	sunny	10	NA	NA	?	599994	6734133	small pine, buck bursh, moss, sandbars, short veg composition	N
TSFE	26-Sep-23	14:40	17:00	NA	sunny	12	NA	NA	?	642042	6754233	dense bush with clear areas, pines, willows, lichen	NA

Location	Date	Survey Start Time	Survey End Time	Wind Speed km/h	Cloud Cover	T (C)	Precip (mm)	Days since last snow	Observer	Centre_E	Centre_N	Habitat	Caribou Biophysical Attribute (Y/N)
TSWF	27-Sep-23	9:00	14:00	NA	Overcast	8	NA	NA	A Moskel/E. Sayine	635541	6751550	dense forest, pine, birch, lichen, low-med tree height	N
TSWF	30-Sep-23	8:50	9:45	15	Overcast	6	0	NA	A Moskel/Barney	635452	6750688	dense forest, soft ground, willow, birch, pine, lichen patches	N
N1	30-Sep-23	10:05	11:10	5	Overcast	5	NA	NA	A Moskel/Barney	634685	6752731	dense forest, soft wet ground, lichens, willow, pine, birch	NA
TSWF	30-Sep-23	13:30	17:00	5	mod	5		NA	Dom/Robert	637134	6749931	historic cutline, med density bush; pines, willow, lichens and marsh	NA
EM-002	07-Oct-23	16:45	17:30	0	mild	4	10	NA	Dom/Mykhailo	642739	6751076	dense forest, pine, birch, willow, lichens	N
P499-IW01	10-Oct-23	16:50	18:45	5	mild	10	0	NA	Evan/Mykhailo	600003	6733759	medium density forest, pine, lichens	N
P499-IW02	10-Oct-23	16:50	18:45	5	mild	10	0	NA	Evan/Mykhailo	600003	6733759	medium density forest, pine, lichens	N
TSFE-007	11-Oct-23	16:15	17:00	7	mild	8	0	NA	Mykhailo/Ralph	642130	6753644	mild density forests, pine, birch, lichen	N
TSFE-009	11-Oct-23	17:00	17:45	7	mild	8	0	NA	Mykhailo/Ralph	642832	6753710	medium density forest, pine, birch, willow, lichen	N
TSFE-008	12-Oct-23	11:00	11:45	2	cloudy	7	0	NA	Mykhailo	642766	6752827	mild density forest, pine, birch, lichens	N
M67-GT01	16-Oct-23	10:00	10:30	10	mild	8	0	NA	Ralpjh/Mykhailo	627823	6743646	dense forest, pine, spruce, lichens	
M67-GT02	16-Oct-23	10:00	11:00	15	mild	8	0	NA	Marshall/Ralph	628080	6743709	dense forest, pine, lichens	N
L65-GT02	16-Oct-23	10:30	11:45	10	Mild	8	0	NA	Ralph/Mykhailo	628545	6743955	mild density forest, swamp, pine, lichens	N
M63-GT02	16-Oct-23	12:50	13:40	10	Clear	8	0	NA	Ralph/A. Moskol	630105	6744532	mild density forest, swamp, pine, lichens	N
M63-GT01	16-Oct-23	13:30	14:10	8	Clear	8	0	NA	Mykhailo/Ralph	629561	6744478	mild density forest, swamp, pine, lichens	N
L65-GT01	16-Oct-23	14:10	14:40	10	Clear	8	0	NA	Mykhailo/Ralph	628817	6744382	mild density forest, swamp, pine, willows	N

Location	Date	Survey Start Time	Survey End Time	Wind Speed km/h	Cloud Cover	T (C)	Precip (mm)	Days since last snow	Observer	Centre_E	Centre_N	Habitat	Caribou Biophysical Attribute (Y/N)
O53-GT01	17-Oct-23	10:00	12:00	7	SCT	5	0	NA	Ralph/Evan	634119	6745896	dense forest, pines, spruce, lichens	N
M40-GT01	17-Oct-23	13:00	14:00	5	SCT	7	0	NA	Evan/Ralph	639356	6749351	dense forest, pine, spruce, lichens	N
L35-GT02	18-Oct-23	9:00	10:30	10	SCT	6	0	NA	Evan/Ralph	641414	6750809	dense forest, pines, lichens	N
NE1	21-Oct-23	12:30	14:00	0	clear	5	0	NA	Dom/Cody	641235	6758075	low density forest, pine, birch, willow, lichens	NA
N42-O42-M40	21-Oct-23	15:00	17:00	0	Clear	5	0	NA	Dom/Cody	638395	6749763	med density forest, pine, willow, birch	NA
L65-GT02	24-Oct-23	9:00	11:00	20	cloudy	-10	NA	0	Dom/Cody	627757	6743678	open swamp areas to medium density, pine, birch, and willows	N
WZ-23-012	26-Oct-23	9:00	11:00	10	mild	-8	NA	0	Dom/Cody	601812	6734073	medium density; marsh areas; willow pine, birch	NA
WZ-23-011	26-Oct-23	11:30	12:30	10	mild	-8	NA	0	Dom/Cody	607147	6735906	medium density, swamp and marsh areas, poine, willow, birch	N
WZ-23-010	26-Oct-23	15:00	15:45	15	yes	-4	6	0	Cody Webber	612089	6737526	swampy, moss, coniferous	N
N204-GT02	27-Oct-23	13:00	14:00	0	mild	-4	0	0	Dom/Cody	658830	6760664	very dense forest, pine , birch	N
P499-O556	05-Dec-23	10:00	11:30	8	snowy	-13	3	0	Cody Webber	599597	6734226	mossy	N

Appendix III CLEARING SURVEY WILDLIFE OBSERVATIONS

Location	Date	Time Observed	Species	Type of Observation	Loc_E	Loc_N	Notes
EM-23-002	07-Oct-23	16:55	Squirrel	Visual	642375.0	6750805.0	
EM-23-002	07-Oct-23	17:10	chicken	Visual	642715.0	6750676.0	
J68	13-Jan-23	9:33	Chicken	Tracks	627185.0	6744088.0	
J68	13-Jan-23	9:47	Ptarmigan/rabbit	Visual/tracks	627263.0	6744212.0	
J68	13-Jan-23	9:48	rabbit	Tracks	627291.0	6744250.0	
K51_52	04-Mar-23	10:50	Squirrel	tracks	635532.0	6747969.0	Fresh
K51_52	04-Mar-23	11:00	Squirrel	tracks	634494.0	6748149.0	Fresh
K52_52	03-Apr-23	9:30	Lynx	tracks	635423.0	6747277.0	1 day old
K52_52	03-Apr-23	9:50	rabbit	tracks	634553.0	6747753.0	Fresh (same day)
L35-23-GT-02	18-Oct-23	10:00	Bear	Scat	641859.0	6750802.0	
L65-23-GT-01	16-Oct-23	14:20	Crow	Visual	628912.0	6744030.0	
L65-23-GT-01	16-Oct-23	14:35	Woodpecker	Visual	629042.0	6744279.0	
L65-23-GT-01	24-Oct-23	9:30	Lynx	tracks	628457.0	6743566.0	same day
L65-23-GT-01	24-Oct-23	10:00	Owl	Visual	629288.0	6744218.0	
L65-23-GT-02	16-Oct-23	10:30	Wolf	tracks	628426.0	6743729.0	month+
L65-23-GT-02	16-Oct-23	11:00	Moose	Tracks	628527.0	6743717.0	month+
L65-23-GT-02	16-Oct-23	11:00	Squirrel	Visual	628534.0	6743859.0	
M40-23-GT-01	17-Oct-23	13:20	crow	Visual	639725.0	6749273.0	Flying
M48	19-Apr-23	12:00	rabbit	tracks	636674.0	6747585.0	
M62	04-Apr-23	12:15	Squirrel	tracks	629734.0	6744434.0	2 days old
M62	04-Apr-23	13:30	Fox	tracks	629807.0	6744155.0	2 days old
M63-23-GT-01	16-Oct-23	13:30	Squirrel	tracks	629809.0	6744425.0	tracks month+
M63-23-GT-02	16-Oct-23	13:00	Hawk	Flying	630150.0	6744417.0	
M63-23-GT-02	16-Oct-23	13:15	Squirrel	tracks	630097.0	6744345.0	
M67 23-GT-01	16-Oct-23	10:10	Moose	Tracks	628211.0	6743339.0	tracks 1 month old
M67 23-GT-01	16-Oct-23	10:20	Squirrel	Tracks	627893.0	6743398.0	
M67 23-GT-01	16-Oct-23	10:25	Crow	Flying	627634.0	6743588.0	

Location	Date	Time Observed	Species	Type of Observation	Loc_E	Loc_N	Notes
M67 23-GT-02	16-Oct-23	10:35	Moose	Tracks	628224.0	6743568.0	Tracks 2 months old
M67 23-GT-02	16-Oct-23	10:50	Squirrel	Tracks	628224.0	6743564.0	
N1	30-Sep-23	10:25	moose	bedding area	634565.0	6752578.0	
N1	30-Sep-23	10:40	Wolf	Tracks	634884.0	6752627.0	less than 1 month old
N204-23-GT-02	27-Oct-23	13:30	rabbit	tracks	659412.0	6760081.0	day old
N42-O42-M40	21-Oct-23	15:20	Chicken	Visual	638370.0	6748795.0	
N42-O42-M40	21-Oct-23	16:00	Bear	Scat	637989.0	6747423.0	more than month old
N42-O42-M40	21-Oct-23	16:40	Squirrel	Visual	639916.0	6748332.0	
NE1	21-Oct-23	13:00	Moose	tracks	641183.0	6758220.0	more than month old
NE1	21-Oct-23	13:30	Lynx	tracks	640686.0	6757711.0	more than month old
O53-23-GT-01	17-Oct-23	10:30	Chicken	Visual	634056.0	6745751.0	
P499	25-Sep-23	11:15	Moose	Tracks	599994.0	6734133.0	Tracks 2 weeks
P499	25-Sep-23	11:15	moose	tracks	599888.0	6733685.0	2 weeks old
P499-23-IW-01	10-Oct-23	17:00	Crow	Visual	599966.0	6733935.0	
P499-23-IW-01	10-Oct-23	17:30	Squirrel	Visual	599850.0	6733616.0	
P499-23-IW-01	10-Oct-23	17:45	Chicken	Visual	600043.0	6733616.0	
P499-23-IW-02	10-Oct-23	17:00	Crow	Visual	599966.0	6733935.0	
P499-23-IW-02	10-Oct-23	17:30	Squirrel	Visual	599850.0	6733935.0	
P499-O556	05-Dec-23	10:35	Ptarmigan	Sighting	598644.0	6733313.0	4 birds on the ground
P499-O556	05-Dec-23	10:35	Fox	Tracks	599222.0	6733605.0	Tracks 1 day old
T37	24-Jan-23	12:26	Squirrel	Tracks	640350.0	6757913.0	2 days old
T37	24-Jan-23	13:00	Rabbit	tracks	640566.0	6757913.0	fresh
T37	24-Jan-23	13:05	Squirrel	Tracks	640652.0	6758540.0	week old
T37	24-Jan-23	14:30	Moose	Tracks	640955.0	6757669.0	Recent
T37	24-Jan-23	15:15	Squirrel	Tracks	640854.0	6758288.0	2 days old
T37	05-Feb-23	14:00	Moose	Tracks	640669.0	6757909.0	Fresh (same day)
T37	07-Feb-23	12:00	Moose	Tracks	640446.0	6757534.0	4 days old

Location	Date	Time Observed	Species	Type of Observation	Loc_E	Loc_N	Notes
T37	07-Feb-23	13:00	rabbit	Tracks	640948.0	6758265.0	Fresh (same day)
T37	07-Feb-23	13:30	rabbit	Tracks	640332.0	6757803.0	Fresh (same day)
T37	14-Mar-23	15:30	Moose	Tracks	640436.0	6757656.0	Fresh
T37	14-Mar-23	15:40	rabbit	Tracks	640745.0	6757439.0	2 days old
T37	16-Apr-23	?	Moose	tracks	640832.0	6757531.0	2 days old
T37	16-Apr-23	?	rabbit	visual	640944.0	6758227.0	
TSFE	26-Sep-23	14:40	Moose	tracks	642720.0	6755012.0	more than month old
TSFE	26-Sep-23	15:30	Wolf	tracks	642567.0	6754856.0	1-2 weeks old
TSFE	26-Sep-23	16:20	bear	scat	642465.0	6752784.0	more than month old
TSFE	26-Sep-23	17:00	rabbit	scat	643021.0	6752455.0	2-3 weeks old
TSFE-23-007	11-Oct-23	16:35	crow	Visual	641745.0	6753497.0	
TSFE-23-007	11-Oct-23	16:40	rabbit	Visual	642090.0	6753463.0	
TSFE-23-007	11-Oct-23	16:50	Squirrel	Tracks	642295.0	6753607.0	
TSFE-23-008	12-Oct-23	11:00	Fox	Visual	642700.0	6752935.0	
TSFE-23-008	12-Oct-23	11:30	Bear	Scat	642661.0	6752689.0	1-2weeks old
TSFE-23-008	12-Oct-23	11:45	chicken	Visual	642845.0	6752677.0	
TSFE-23-009	11-Oct-23	17:30	Bear	Scat	643109.0	6754164.0	2-4 weeks old
TSFE-23-009	11-Oct-23	17:30	Squirrel	Visual	642379.0	6753726.0	
TSFE-23-009	11-Oct-23	17:45	Crow	Visual	642788.0	6753634.0	
TSFW	27-Sep-23	11:00	Porcupine	Scat	635668.0	6752601.0	more than month old
TSFW	27-Sep-23	11:45	Moose	Tracks	635677.0	6752701.0	1-2 weeks old
TSFW	27-Sep-23	13:00	Moose	tracks	635942.0	6751396.0	1-2 weeks old
TSFW	30-Sep-23	9:10	Moose	Audible	635461.0	6751052.0	
TSFW	30-Sep-23	9:25	Moose	Tracks	635554.0	6750812.0	day old
TSFW	30-Sep-23	9:35	Moose, squirell, chipmunk	tracks	635571.0	6750805.0	
TSFW	30-Sep-23	14:00	Bear	Scat	637815.0	6750222.0	more than month old
TSFW	30-Sep-23	14:40	Wolf	tracks	637425.0	6750907.0	more than month old

Location	Date	Time Observed	Species	Type of Observation	Loc_E	Loc_N	Notes
TSFW	30-Sep-23	16:00	Moose	tracks	637525.0	6751806.0	more than month old
WZ-23-010	26-Oct-23	15:10	moose	tracks	611743.0	6737839.0	wolf tracks (4 sets) following moose
WZ-23-010	26-Oct-23	15:10	wolf	tracks	611743.0	6737839.0	following moose
WZ-23-011	26-Oct-23	12:00	Moose	tracks	607070.0	6736374.0	one day old
WZ-23-012	26-Oct-23	9:30	Squirrel	Visual	601274.0	6733959.0	
WZ-23-012	26-Oct-23	10:00	Fox	Tracks	602586.0	6734014.0	one day old
WZ-23-012	26-Oct-23	10:30	lynx	tracks	602118.0	6734330.0	fresh tracks
X17_18	18-Mar-23	10:00	Rabbit	Tracks	650025.0	6763941.0	
X17_18	18-Mar-23	10:30	Fox	Tracks	650556.0	6764155.0	
X17_X18	31-Jan-23	13:00	rabbit	Tracks	649914.0	6764251.0	
X17_X18	31-Jan-23	13:30	Squirrel	Tracks	649846.0	6764187.0	
X25	24-Feb-23	11:30	Pine Marten	Tracks	606864.0	6735856.0	less than 7 days old
X25	24-Feb-23	11:45	Pine Marten	Tracks	606810.0	6735711.0	Fresh
X25	24-Feb-23	11:50	Squirrel	Nest	606759.0	6735554.0	
X25	24-Feb-23	12:00	Pine Marten	Tracks	606482.0	6735469.0	
X25	24-Feb-23	12:30	Pine Marten	Tracks	606151.0	6735796.0	
X25	24-Feb-23	13:00	Pine Marten	Tracks	606419.0	6736114.0	
X49	03-Feb-23	12:00	Woodpecker	Audible	636112.0	6754535.0	
X49	03-Feb-23	13:00	Moose	Tracks	635655.0	6754224.0	Snow covered, 4 day old
X49	21-Mar-23	9:30	rabbit	Tracks/Scat	636195.0	6754531.0	
X49	21-Mar-23	9:45	Moose	Tracks	636114.0	6754824.0	
X49	21-Mar-23	10:17	rabbit	Tracks	636197.0	6754065.0	
X60	15-Jan-23	10:35	rabbit	Tracks	631854.0	6751789.0	5 Days Old
X60	15-Jan-23	10:45	Deer	Tracks	631699.0	6751843.0	
X60	15-Jan-23	10:51	Woodpecker	Visual	631633.0	6751912.0	
X60	15-Jan-23	12:20	Woodpecker	Visual	631514.0	6752054.0	
X60	15-Jan-23	13:47	Rodent or Weasel	Scat	631720.0	6752043.0	

Location	Date	Time Observed	Species	Type of Observation	Loc_E	Loc_N	Notes
X60	15-Jan-23	13:52	rabbit	Tracks	631778.0	6752055.0	6 days old
X60	15-Jan-23	14:19	rabbit	Tracks	631920.0	6752118.0	5 days old
X60_59	15-Mar-23	15:30	rabbit	Tracks	631227.0	6751521.0	
X60_59	15-Mar-23	15:45	Moose	Tracks	631717.0	6751680.0	3 days old
X60_59	15-Mar-23	16:50	Marten	Tracks/Scat	631964.0	6752007.0	
X60_X59	22-Jan-23	13:12	Squirrel	Visual	631153.0	6751789.0	
X60_X59	22-Jan-23	14:44	Spruce Grouse	Feathers	631459.0	6751632.0	Very Recent
X61_62	23-Mar-23	5:30	Coyote	Tracks	629540.0	6750736.0	Fresh (1 day)
X61_62	23-Mar-23	5:50	Ptarmigan	Nest/Tracks	630490.0	6751783.0	Fresh (same day)
X61_62	23-Mar-23	6:00	Moose	Tracks	629668.0	6751455.0	2 days old
X64	29-Mar-23	NA	No Siting	NA	NA	NA	
X68	29-Mar-23	13:30	Moose	Tracks	626832.0	6749329.0	1 day old
Y55	09-Jan-23	11:00	Weasel	Tracks	633180.0	6752472.0	month old
Y55	09-Jan-23	11:12	Squirrel	Tracks	633127.0	6752411.0	2 weeks old
Y55	09-Jan-23	11:21	Mouse/Moose?	Tracks	632991.0	6752443.0	2 weeks old
Y55	15-Mar-23	14:05	Moose	Tracks/Scat	632447.0	6752130.0	
Y55	15-Mar-23	14:45	rabbit	Tracks	633115.0	6752610.0	
Y57	07-Feb-23	11:15	rabbit	Tracks	634847.0	6752059.0	Fresh (same day)
Y57	29-Mar-23	NA	No Siting	NA	NA	NA	
Y58	07-Feb-23	10:00	Wolverine	Tracks	634378.0	6751398.0	Fresh (same day)
Y58	07-Feb-23	10:30	Moose	Tracks	634537.0	6751732.0	Fresh (same day)
Y58	24-Mar-23	5:30	Lynx	Tracks	634432.0	6751824.0	
Y58	24-Mar-23	5:40	rabbit	Tracks/Scat	634457.0	6752149.0	
Y58	24-Mar-23	5:55	Moose	Tracks	633929.0	6752323.0	
Y62	20-Jan-23	NA	NA	NA	NA	NA	
Y68	19-Jan-23	12:00	Mouse/Moose?	Tracks	627422.0	6748734.0	Observed across old road
Y68	19-Jan-23	13:43	Fox	Tracks	627420.0	6748314.0	Several days old

Location	Date	Time Observed	Species	Type of Observation	Loc_E	Loc_N	Notes
Y68	19-Jan-23	13:45	Squirrel	Tracks	627328.0	6748960.0	Several days old
Y68	02-Feb-23	14:55	rabbit	Tracks/Scat	628181.0	6749654.0	day old
Y68	02-Feb-23	15:15	rabbit	Tracks/Scat	627963.0	6750027.0	day old
Y68	23-Mar-23	6:30	Moose	Tracks	627675.0	6749976.0	2-3 days old
Y68	23-Mar-23	6:33	Marten	Tracks	627668.0	6749986.0	Fresh (same day)

Appendix IV WHOOPING CRANE FIELD SUMMARY REPORT



PPML FIELD SUMMARY MEMO

DATE 5 July 2023

Reference No. 21465639-194-TM-Rev0-5000

TO Andrew Williams
Pine Point Mining Limited

CC Kristine Mason

FROM Lynnette Dagenais and Luis Villamil

EMAIL Lynnette.Dagenais@wsp.com;
Luis.Villamil@wsp.com

PINE POINT – 2023 WHOOPING CRANE AERIAL SURVEY FIELD SUMMARY MEMO

1.0 CREW AND DATES

The Pine Point whooping crane (*Grus americana*) aerial survey took place on 30 May 2023. The crew for this field program included Bryce Pippy and Luis Villamil from WSP Canada Ltd. (WSP). A schedule of activities and personnel is presented in Table 1.

Table 1: Schedule of Activities and Personnel

Date	Activity	Bryce Pippy (WSP)	Luis Villamil (WSP)
28 May 2023	Travel		✓
29 May 2023	Travel + Mobilization	✓	✓
30 May 2023	Whooping Crane Survey (31 transects)	✓	✓
31 May 2023	Travel + Demobilization	✓	✓
1 June 2023	Travel		✓

✓ = indicates participation in the field program for the specific day.

2.0 SAMPLING OR SURVEY SUMMARY

The objective of the whooping crane aerial survey was to help meet the Terms of Reference for the Developer's Assessment Report, which requires the completion of an aerial survey to look for breeding whooping crane pairs at nests within 5 kilometres (km) of a disturbance (Project) footprint. This 5 km buffer encompasses sensory disturbance as well as potential changes to surface water quality and hydrology (Dufour 2021, pers. comm.). This survey was also a required Condition of the Approval for the Wildlife Mitigation and Monitoring Plan for the Pine Point exploration program (GNWT-ENR 2022).

- **Pre-survey Sight Image:** As per direction from Dufour (2021, pers.comm.), the survey crew flew over a known whooping crane nest site prior to starting the whooping crane survey for calibration purposes. A whooping crane was observed within a couple metres from the nest, and a second whooping crane was observed within 100 metres (m) from the nest. Two eggs were observed at the nest site.

- **Whooping Crane Aerial Survey:** Five survey areas were delineated based on habitat suitability results provided by ECCC (Olson and Olson 2003). Surveys consisted of flying a total of 31 transects within the survey areas delineated, and each transect was spaced 1 km apart as per GNWT-ENR (2022). Woodland caribou calving areas were identified by ENR based on satellite collar data (GNWT-ENR 2022), and areas overlapping the survey transects were either avoided or flown provided no caribou were observed prior to entering the calving areas. Surveys were completed at a minimum altitude of 300 m above ground level, temperatures ranged from 15 degrees Celsius (°C) to 25°C under general clear skies with winds ranging from 15 kilometres per hour (km/hr) to 38 km/hr. Transects were flown between 70 km/hr and 100 km/hr, and on heavier winds, transects were surveyed upwind looping around the delineated habitat polygons. Field staff sat on opposite sides of the aircraft and each observer surveyed for whooping cranes and nests within 500 m of each side of the aircraft. The habitat within survey areas one through three had sparse fens with a dominantly spruce tree cover, while the habitat within survey areas four and five was dominantly fens with sparse spruce/larch trees and small lichen patches surrounding the trees.

Whooping Crane Observations: No whooping crane observations were made during the surveys within the 5 km buffer within the project footprint.

- **Incidentals:** Several wildlife species were observed incidentally during the surveys: northern harrier (*Circus hudsonius*), Bonaparte's gulls (*Chroicocephalus philadelphia*), American white pelican (*Pelecanus erythrorhynchos*) and unidentified ducks.

3.0 HEALTH AND SAFETY

Health and safety learnings and identified hazards reporting during this field program are listed below:

- May 30: The helicopter booked for the survey arrived at site 3.5 hours late due to poor flying conditions, with fog and haze covering Yellowknife in the morning. Once the survey started it was apparent that completing the survey would take longer than the 2 hours anticipated, pushing the field crew to reach their 12 hour workday limit. To avoid breaking working hour limits and driving in the dark the call was made around 5:30 for the crew to overnight at camp and travel back to Yellowknife the next day.

4.0 CLOSURE

Please do not hesitate to contact the undersigned at Lynnette.Dagenais@wsp.com for further information.

WSP Canada Inc.



Lynnette Dagenais, M.Sc., P.Biol., R.P.Bio.
Senior, Wildlife Biologist



Luis Villamil, B.Sc., P.Biol., R.P.Bio.
Wildlife Biologist

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[21505791_Pine Point Environmental Assessment - 04_Field Summary Memo - All Documents \(sharepoint.com\)](#)

REFERENCES

- Dufour JF. 2021. Environmental Assessment Officer, Canadian Wildlife Service (Northern Region), Environment and Climate Change Canada, Government of Canada. Whooping crane aerial survey parameters. Teleconference meeting with Coulton D, Dagenais L, Senior Wildlife Biologists, WSP Golder. 7 November 2021.
- GWNT-ENR (Government of the Northwest Territories – Department of Environmental and Natural Resources). 2022. Approval of the Wildlife Management and Monitoring Plan for Pine Point Mining Ltd.'s Confirmation and Exploration Program. 21 March 2022. 11 p.
- Olson and Olson. 2003. Whooping Crane Potential Mapping Project, Final Report. Prepared for Parks Canada, Environment Canada and Canadian Wildlife Service. 45 pp.

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