TECHNICAL REPORT

describing

GEOLOGICAL FIELD WORK AND INTERPRETATION OF REMOTE SENSING DATA

completed on the

PIKE WARDEN PROPERTY

WARDEN 1-4	YE96672-YE96675
WARDEN 5-13	YE96905-YE96913
PIKE 1-7	YE96665-YE96671
PIKE 8-9	YE96676-YE96677
PIKE 10-22	YE96892-YE96904
PIKE 23-26	YE96914-YE96917
PIKE 27-172	YF92051-YF92196
LION 1-18	YF44866-YF44883

YMEP no: 23-006

Mapsheet NTS 105 D/3

Latitude 60°5’N; Longitude 135°23’W

located in the

Whitehorse Mining District, Yukon Territory

prepared by

Sarah Reese, G.I.T.

Greg Collins, P.Geo.

31 January 2024

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1.0 INTRODUCTION

This report contains the results of the prospecting, remote sensing, and interpretation work conducted on the Pike Warden property in 2023. Additional staking was completed in 2023 and the property is now composed of 203 contiguous quartz mining claims, with the PIKE and WARDEN claims registered to Ryan Burke and optioned by Transition Metals Corp. (TMC)., and the LION claims registered to TMC. Work on the property was supplemented by a YMEP target evaluation module grant (YMEP #23-006).

A prospecting and soil sampling program was supervised and conducted during the period of July 19th-27th, 2023, by TMC employees Greg Collins (Chief Operating Officer) and Sarah Reese (Field Geologist); with geological and logistical support provided by Archer, Cathro & Associates (1981) Limited (Archer Cathro) employees Steve Israel, Gentianne Graham, Niona Kyhle-Kahr, and Jasmine Sealy; and helicopter support provided by Capital Helicopters (1995) Inc. (Capital Helicopters).

A remote sensing program was contracted to service provider PhotoSat for the multispectral alteration mapping, and to Pioneer Exploration Consultants Ltd. for the LiDAR and orthophotography data collection and interpretive products. The LiDAR survey and orthophoto collection occurred on August 10th, 2023, and satellite imagery was collected on August 27th, 2023.

A follow-up prospecting program was completed from September 18th-21st, 2023, which was supervised and conducted by TMC employee Sarah Reese (Field Geologist); with geological and logistical support provided by Archer Cathro employees Melissa Friend, Jessie Gladish, Heather Burrell, and Gentianne Graham; and helicopter support provided by Capital Helicopters.

2.0 PROPERTY LOCATION, ACCESS, & CLIMATE

The property consists of 203 quartz claims covering approximately 41 square kilometres. It is located 65 kilometres south-southwest of the Yukon's capital city of Whitehorse and 27 kilometres west of the community of Carcross (Figure 1). The claims are located at latitude 60°5'N and longitude 135°23'W on mapsheet NTS 105D/03, within the Traditional Territories of the Carcross/Tagish First Nation. Access to and from the claims is by helicopter directly from Whitehorse, or the helicopter staging area 13 kilometres north of the property along Annie Lake Road, a gravel-topped four-season access road. The staging area is approximately a 70-kilometre drive from Whitehorse via truck and can be used to mobilize equipment and personnel to and from the claim block.

The climate in the area is variable with hot summers, mild and short fall and spring seasons and long, cold, dark winters. Snow can fall during any month of the year. Topography in the area consists of flat, glacially scoured alpine ridges and precipitous cirques with steep slopes that extend up from broad, open, gentle valley bottoms. Permanent snowfields exist on northern facing ridges of most ridges and mountains in the area. Valley floors lie around 1,500 metres and summits vary in height up to 2,200 metres. The property sits above the treeline, which is around 1,450 metres.

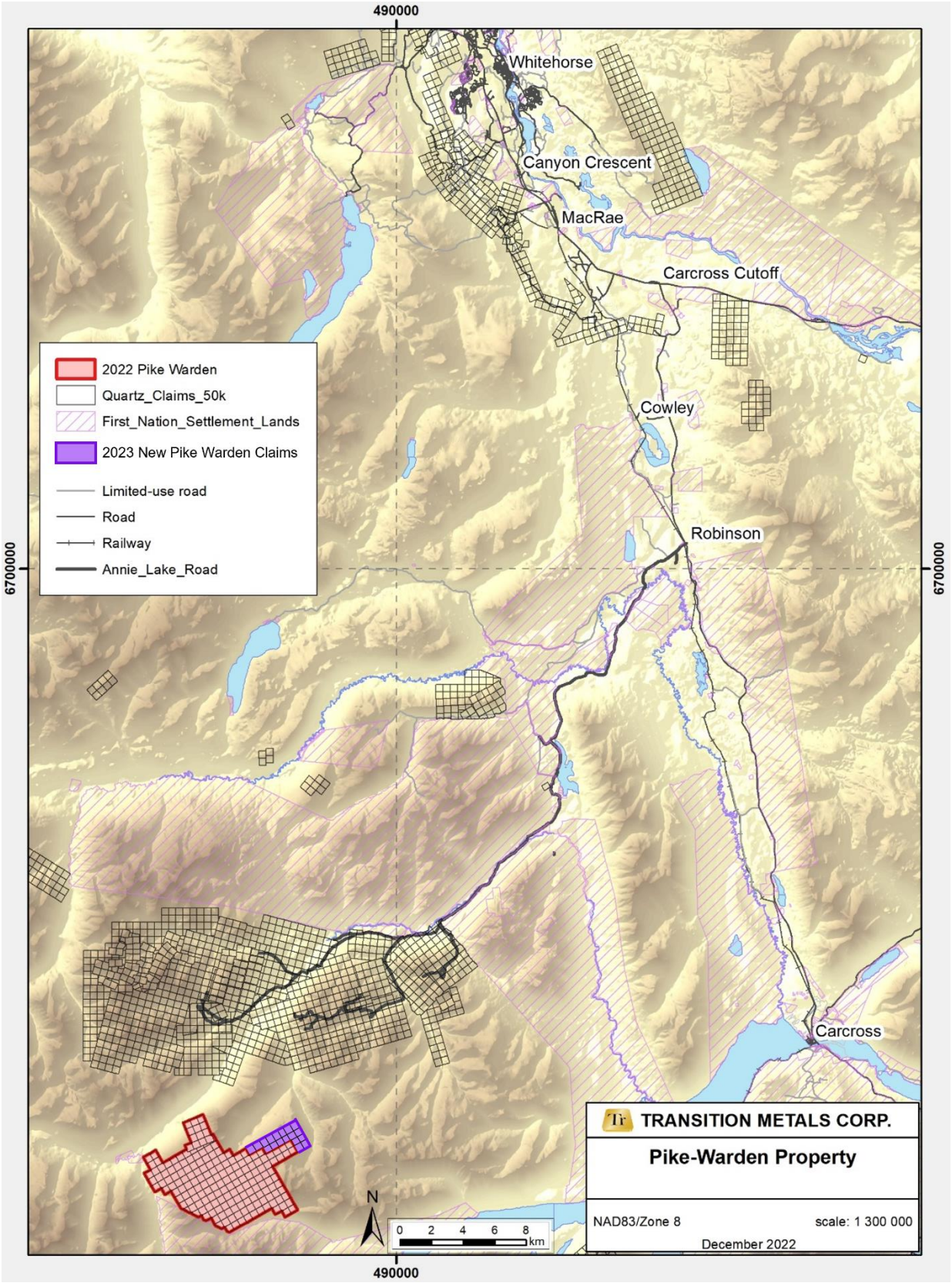

Figure 1: Regional map showing Pike Warden claim location and surrounding quartz claims.

2.1 CLAIM DATA

The Pike and Warden claims were staked by Mr. Ryan Burke (Vendor) and optioned by Transition Metals Corp. in June 2022. TMC retains the option to earn a 100% interest in the property by issuing cash and shares to the Vendor over a four-year period subject to a 1% net smelter return royalty and a $1,500,000 commercial milestone payment. The Lion claims were staked by Heather Burrell and transferred 100% to Transition Metals Corp. in September 2023. Table 1 shows the summarized claim data for the Pike Warden property, and the information is visualized in Figure 2. An expanded, detailed table of claim data is included in Appendix A.

Table 1: Summarized claim registration information for the Pike Warden property.

Claim Name	Claim #	Grant #	Owner	Expiry Date (YYYY-MM-DD)
PIKE	1 to 9	YE96665-YE96677	Ryan Burke - 100%	2037-05-30
PIKE	10 to 22	YE96892-YE96904	Ryan Burke - 100%	2037-05-30
PIKE	23 to 26	YE96914-YE96917	Ryan Burke - 100%	2037-05-30
PIKE	27 to 72	YF92051-YF92096	Ryan Burke - 100%	2034-05-30
PIKE	73 to 90	YF92097-YF92114	Ryan Burke - 100%	2031-05-30
PIKE	91 to 98	YF92115-YF92122	Ryan Burke - 100%	2032-05-30
PIKE	99 to 101	YF92123-YF92125	Ryan Burke - 100%	2033-05-30
PIKE	102	YF92126	Ryan Burke - 100%	2031-05-30
PIKE	103	YF92127	Ryan Burke - 100%	2034-05-30
PIKE	104 to 115	YF92128-YF92139	Ryan Burke - 100%	2031-05-30
PIKE	116	YF92140	Ryan Burke - 100%	2033-05-30
PIKE	117	YF92141	Ryan Burke - 100%	2031-05-30
PIKE	118	YF92142	Ryan Burke - 100%	2033-05-30
PIKE	119	YF92143	Ryan Burke - 100%	2031-05-30
PIKE	120	YF92144	Ryan Burke - 100%	2033-05-30
PIKE	121 to 172	YF92145-YF92196	Ryan Burke - 100%	2031-05-30
WARDEN	1 to 4	YE96672-YE96675	Ryan Burke - 100%	2037-05-30
WARDEN	5 to 13	YE96905-YE96913	Ryan Burke - 100%	2037-05-30
LION	1 to 18	YF44866-YF44883	Transition Metals Corp - 100%	2029-05-30

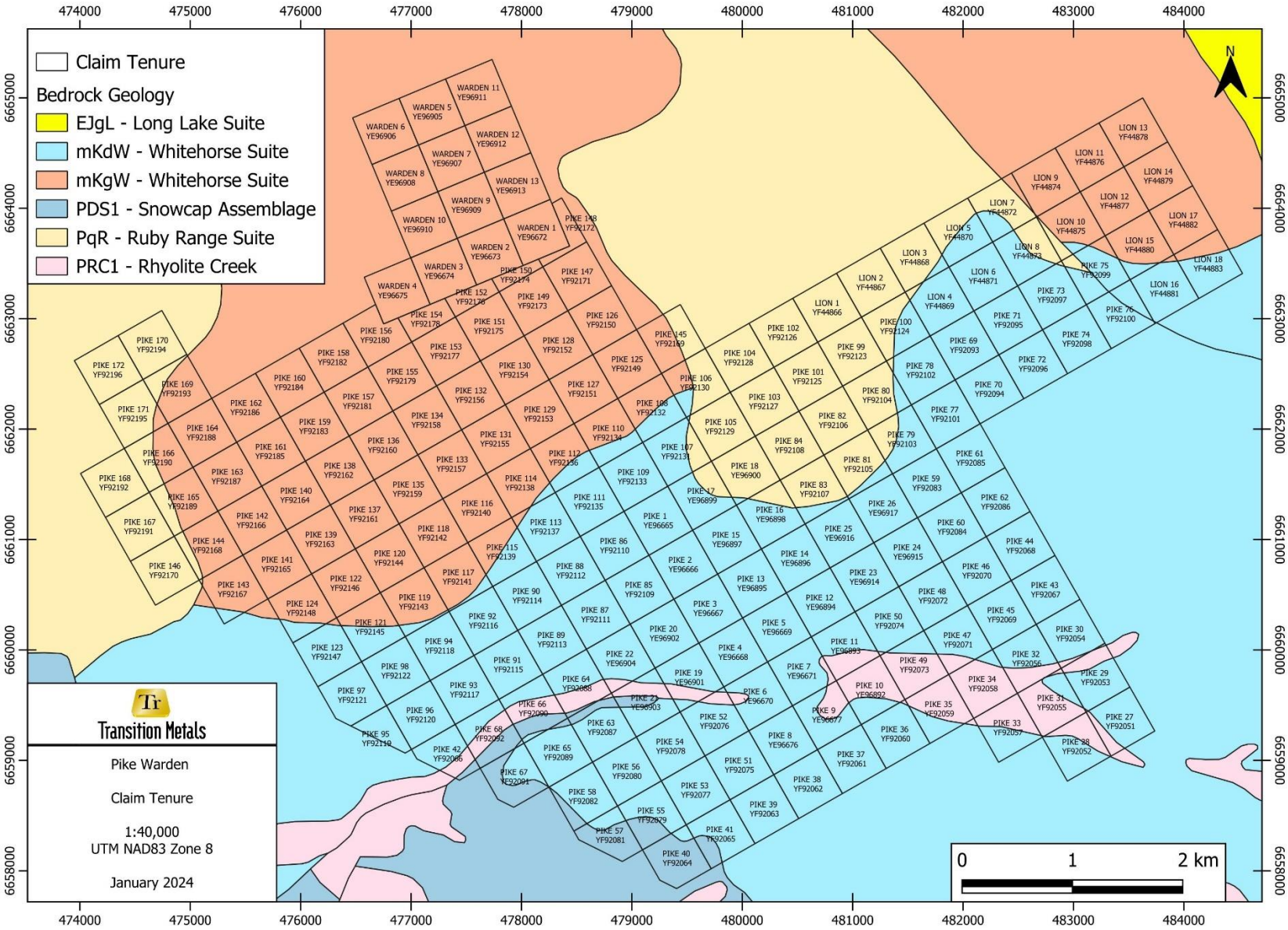

Figure 2: Pike Warden claims map showing claim number and grant number overlain on 1:50,000 scale bedrock geology from the Yukon Geological Survey (2020).

3.0 EXPLORATION HISTORY

There are records of early exploration in the area dating from the early 1900s, and limited records of exploration work following the discovery of the Mt. Skukum deposit in 1981, located approximately 10 kilometres to the north (Figure 3). Regional prospecting discoveries made in the area during this period including 2 showings areas that were included in the initial areas staked on the Pike Warden property. Since the property was staked by Mr. Burke in 2020, more than 25 polymetallic showings have been identified, the locations of which are depicted in Figure 4 and further described in section 4.3.

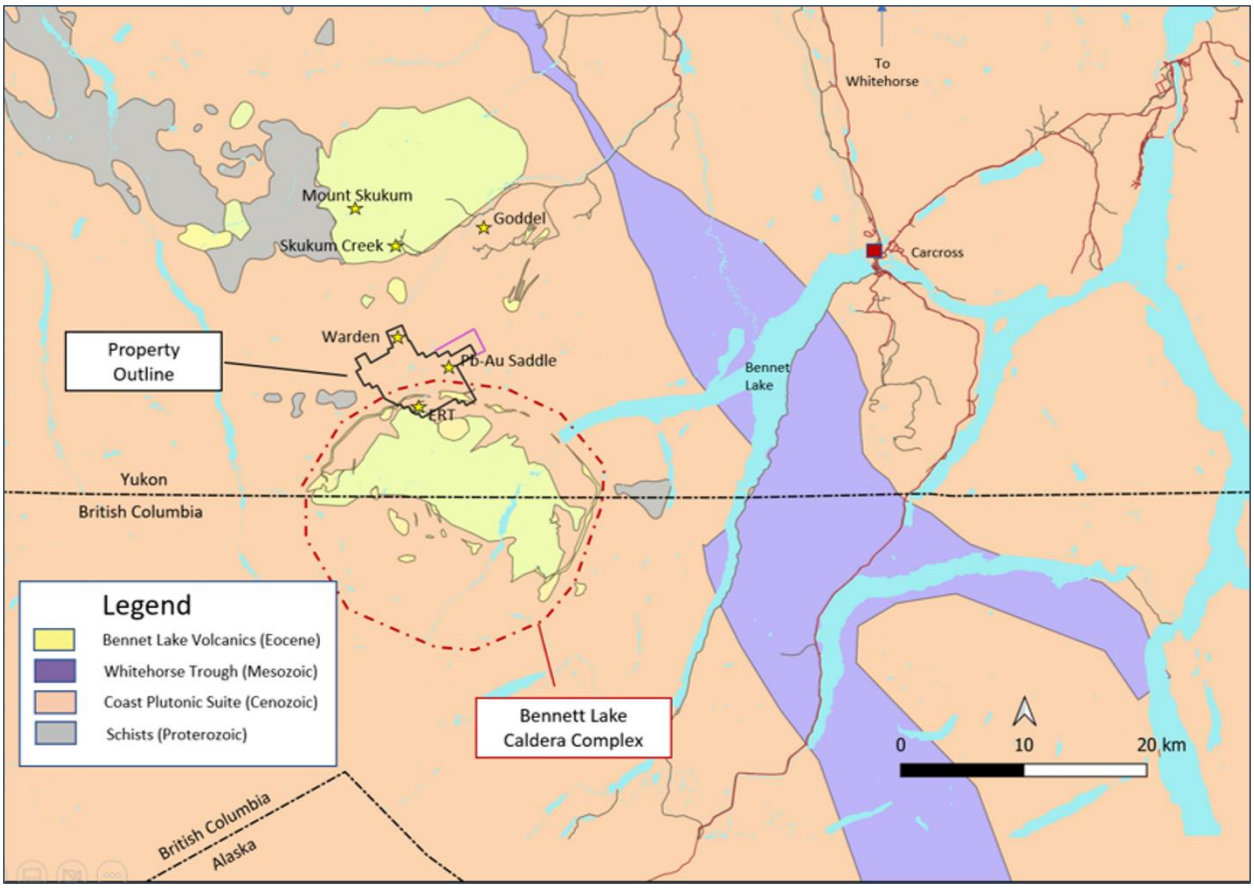

Figure 3: Regional geological setting of the Pike Warden property, showing proximity to adjacent deposits and the location of the property in relation to an interpretation of the simplified geology of the Bennett Lake Caldera Complex. The newly staked LION claims are highlighted in pink.

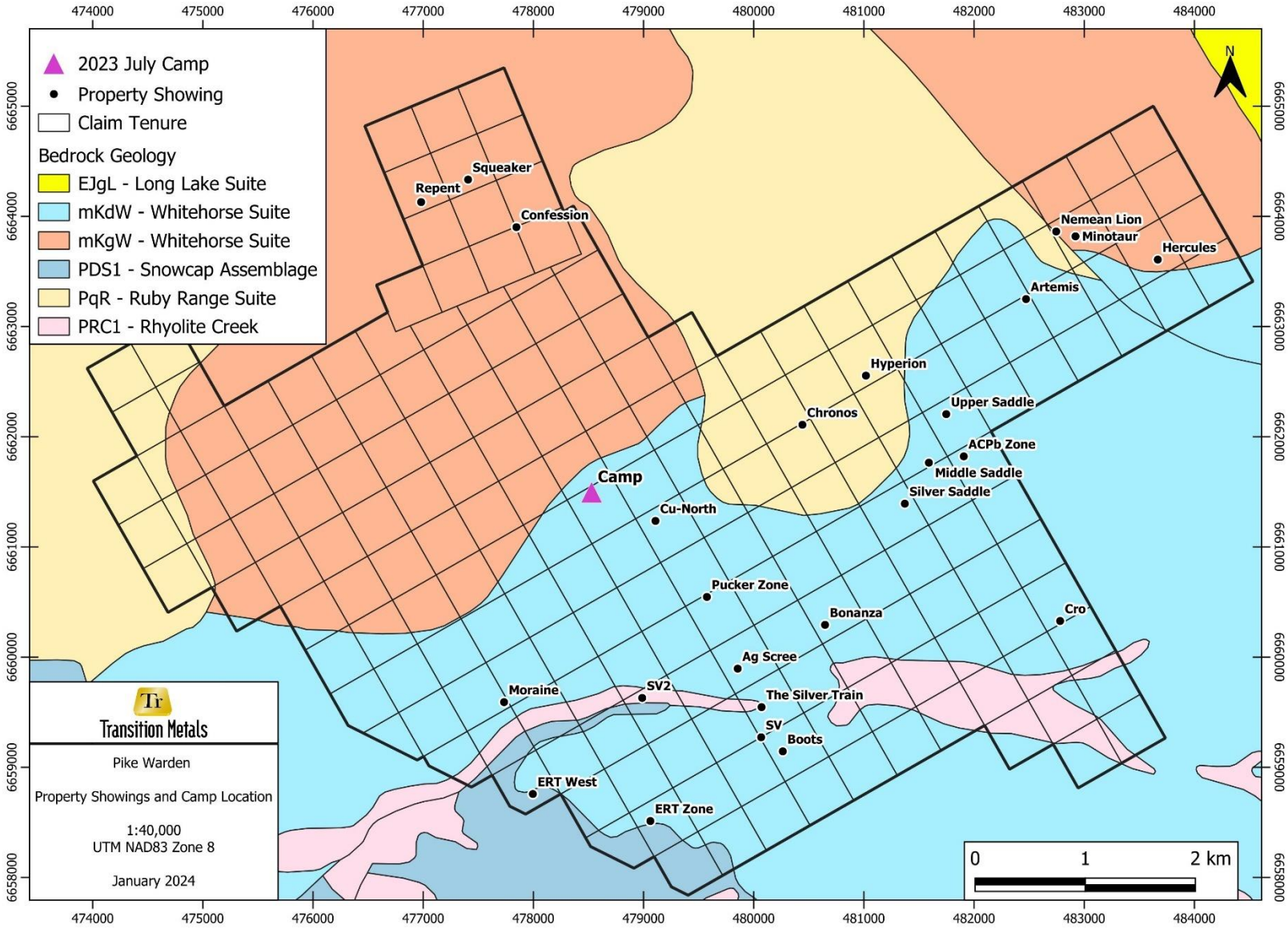

Figure 4: Location of showings across the Pike Warden property along with the 2023 exploration camp location, displayed overtop of the 1:50,000 scale bedrock geology from the Yukon Geological Survey (2020).

Prospecting in 1988 discovered three historical mineral occurrences on the Pike Warden property. First, Skukum Exploration Inc. discovered three separate vein systems (Confession, Repent, Squeaker) within the northwest facing cirque of Mount Ward 6 kilometres south of the Skukum Creek deposit (Figure 3). The Confession vein is described as a 10-centimetre wide, vuggy, milky white, euhedral quartz vein with massive euhedral galena, massive chalcopyrite and minor pyrite and malachite staining within granodiorite. The vein is traceable for 150 metres along strike. Historical assays from this vein are up to 10.64 g/t Au, 378 g/t Ag, 3.98% Pb and 0.66% Cu. The Repent vein system is described as bull white and honey coloured quartz veins in granodiorite with chlorite selvages and blebs of pyrite and chalcopyrite. Veins pinch and swell from 1 to 30 centimetres. Phyllic and propylitic alteration of the granodiorite one-metre-wide envelopes the veins. Historical assays of the Repent system are up to 2.23 g/t Au. The Squeaker veins are described as a series of small parallel quartz veins up to 30 centimetres wide with fine grained pyrite, minor galena and minor chalcopyrite. The veins can be traced for around 200 metres and possibly as much as 400 metres. Historical assays are up to 19.67 g/t Au, 157.38 g/t Ag, 1.09 % Pb and 1.47% Cu. (Wilkins and MacKinnon, 1988) Second, 2 kilometres south of Mt. Ward, a vein within granodiorite (what is now referred to as the Cu-North showing on Pike Warden) was discovered grading 5.58% Cu and 0.76 g/t Au.

Prospecting 5.5 kilometres south of Mt. Ward near the headwaters of Crozier Creek resulted in the discovery of the ERT showing (Zone), a quartz-arsenic-sulfosalt breccia zone. The ERT Zone consists of a sulfide breccia with disseminated and occasionally massive pyrite, arsenopyrite, chalcopyrite, sphalerite, galena, and possible stibnite. The zone is currently exposed over 30 metres with an unknown strike length. High-grade grade assays of up to 5,675 g/t Ag and 5.8 g/t Au were obtained from grab samples within the zone (Wilkins and Mackinnon, 1988). A soil survey was also conducted in 1988, resulting in anomalous silver, copper, lead, and gold values around the ERT Zone.

In 1989, the ERT Zone was followed up with three parallel trenches dug in an EW-direction. Trench TR89-1 returned 1.46 g/t Au, 307 g/t Ag over 6.6 metres. TR89-2 returned 0.68 g/t Au and 139 g/t Ag over 1.5 metres. TR89-3 returned 0.54 g/t Au and 346 g/t Ag over 4.7 metres.

In 1997, Bernie Kreft and Chuck Downie of Eagle Plains Resources spent three days prospecting at the ERT Zone. Their work resulted in an additional quartz sulfide breccia zone discovered 50 metres SW of the ERT Zone, named the TRE Zone. Individual grab samples from the TRE Zone returned values of 8,890 g/t Ag while re-sampling of the ERT Zone returned peak values of 4.42 g/t Au. (Kreft, 1998). A silver-arsenic talus fines anomaly extends 280 metres southwest of the ERT Zone, which could represent a more subtle expression of the ERT Zone underneath talus cover. Additionally, a 176.5 g/t Ag soil sample was collected about 170 metres SE of the ERT Zone. Anomalous As-Ag geochemistry extending 450 metres from the main zone demonstrates the size potential, which remains underexplored.

Work in 2019, 2020 and 2021 by Ryan Burke and his crews resulted in the discovery of new occurrences of mineralization in a number of locations on the property, with individual rock samples returning peak values of 48.1 g/t Au, 11,270 g/t Ag, 7.49% Cu, 59.6% Pb, 0.50% Zn, 1.66% Mo, >0.20% Sb and >0.20% Bi.

In 2019, a 2-person, 9-day exploration program collected 48 till samples, 49 rock samples and completed preliminary 1:5,000 scale geological mapping on the Pike 1-9 claims. On the Warden 1-4 claims, 40 till samples at 100-m spacings were collected on the plateau of Mt. Ward and returned a 391 ppb Au contour soil anomaly as well as the discovery of a 40-cm wide quartz-malachite-chalcopyrite-molybdenum outcropping near the southern edge of the claim block which returned peak values of 7.49% Cu and 138 g/t Ag. In addition, till sampling was completed on the Warden 1-4 claims highlighting a 150-by-100 m, four sample gold geochemical anomaly (>10 ppb Au) near the southwestern edge of the sample grid.

In 2020, the property was expanded to 39 claims (Pike 1-26 and Warden 1-13). A 3-person, 10-day exploration program resulted in the collection of 251 till samples, 95 rock samples, a ground magnetic survey and continued 1:5,000 scale geological mapping over the Pike 1-26 claims. Drone imagery was completed over the south-central portion of the property. Work in 2020 resulted in the discovery of the Bonanza, Silver Train, Silver Saddle, and Upper Saddle showings.

In 2021, the property was expanded to 185 claims (Warden 1-13 and Pike 1-172). Work was conducted on the Pike 1-172 claims to follow-up on the showings discovered in 2020. A 4-person, 8-day exploration program collected 299 rock samples and continued 1:5,000 scale geological mapping on the Pike 1-172 claims. In addition, a 395-line km airborne geophysical survey was conducted over the entire claim block. Work resulted in the discovery of the SV, SV2, Moraine, Cro and Lead-Gold Saddle showings.

In 2022, the property was optioned and subsequently worked by Transition Metals Corp. A 6-person, 7-day exploration program of prospecting and trenching was executed, resulting in the discovery of 2 new showings (Pucker Zone, ACPb Zone), and the visitation, sampling, and preliminary characterization of 10 of the previously identified 18 showings. Seven hand trenches totalling 100 metres in length were constructed at ACPb Zone, Bonanza, and ERT Zone. Fifty-three trench chip samples were collected, with highlight results of 11.8 g/t Au, 526 g/t Ag, 0.05% Cu, and 4.58% Pb. Fifty-one prospecting samples were collected across the southern half of the property, with highlight results of 9.81 g/t Au, 1215 g/t Ag, 0.229% Cu, and >20.0% Pb. These results prompted a 204.2-metre, 3-hole reverse-circulation (RC) drill program at the ERT Zone, resulting in highlight intervals such as 91.43 g/t Ag over 21.34 metres, and 468 g/t Ag over 1.52 metres.

The Chronos, Hyperion, Nemean Lion, Minotaur, Artemis, Hercules, and ERT West showings were discovered in 2023 and are described in section 4.3.

4.0 GEOLOGICAL SETTING AND MINERALIZATION

4.1 REGIONAL GEOLOGY

The regional geological setting of the project area is described in detail in Hart and Radloff (1990) from which the following information is summarized. Figure 3 shows the condensed regional geology of the property and Table 2 summarizes the regional lithological units from the Yukon Geological Survey.

The Pike Warden property is located within the Intermontane belt of the Canadian Cordillera. Oldest rocks in the area comprise domains and screens of Paleozoic gneiss, assigned to the Nisling Terrane by Hart and Radloff (1990), and Jurassic andesitic volcanic and siliciclastic sedimentary rocks of the Stikine Terrane and Whitehorse Trough overlap assemblage. Stratigraphic and contact relationships are commonly obscured by the many intrusions associated with the Coast Plutonic Complex.

Strata of the Jurassic Whitehorse trough is affected by a series of open to tight, northwest trending folds that probably formed in Upper Jurassic to Lower Cretaceous time, approximately coeval with activity of the Skeena Fold Belt to the south in British Columbia. The folds are superimposed on earlier (likely pre-Triassic) metamorphic fabrics and the northwest trending Tally-Ho shear zone, a major Late Triassic shear zone that is developed approximately 15 kilometres to the east of the project area (Naas, 2007). Mesozoic plutonic rocks, which underlie much of the project area, separate the Jurassic units and Nisling Assemblage into isolated domains and screens.

The most abundant rock types in the region comprise metaluminous Cretaceous intrusions of the Coast Plutonic Complex, which are subdivided into several plutonic suites by Hart and Radloff (1990). The dominant Cretaceous suites in the project area include the Mt. McIntyre plutonic suite (96 to 119 Ma), comprising the Mt. Ward granite and Carbon Hill quartz monzonite, and the Whitehorse plutonic suite (116 to 119 Ma), locally represented by the Mt. McNeil granodiorite pluton. Isolated accumulations of mid to late-Cretaceous volcanic rocks of intermediate composition of the Mt. Nansen Group are present regionally and are approximately coeval with the Coast Plutonic Complex. Pre-Tertiary rock types in the region are unconformably overlain by at least four Late Paleocene to Early Eocene volcanic complexes that form the Skukum Group and are intruded by numerous associated rhyolite and andesite dikes. In the project area, these are the youngest exposed rocks and are represented by the Early Eocene Mount Skukum volcanic complex (MSVC) and the Bennett Lake volcanic complex (BLVC). Both these volcanic complexes mark the northern limit of the Sloko Volcanic Province, which extends south into British Columbia.

Late Cretaceous and Early Paleocene brittle dextral displacement associated with widespread dextral displacement throughout the Cordillera is related to reactivation of the Triassic Tally-Ho shear zone. This phase of displacement formed a brittle fault system, termed the Llewellyn fault by Hart and Radloff (1990), which exploited parts of the earlier Tally-Ho structure. Subsidiary faults generated during this tectonic episode may subsequently have been remobilized during Eocene volcanic activity to locally form caldera-bounding structures; these may also have acted as permeable structural sites for the formation of the late-volcanic vein deposits hosted by faults and shear zones in the area (Naas, 2007).

Table 2: Regional lithological units from Yukon Geological Survey (2020).

Unit	Formation	Age	Description
Ead	Skukum	Eocene	Andesite dike dark grey, aphyric; rare porphyritic texture defined by hornblende and plagioclase
Ebd	Skukum	Eocene	Basalt dike fine-grained aphanitic dark greenish grey with trace disseminated pyrite and patchy rusty weathering
Edd	Skukum	Eocene	Dacite dike brown to brick-brown aphanitic rock with small plagioclase phenocrysts
Erd	Skukum	Eocene	Rhyolite dike light beige to weathered orange-brown, blockily weathered with variably disseminated pyrite
QV	Skukum?	Eocene?	Quartz Vein
PRC	Skukum	Eocene	Bennett Lake Ring Dikes – Coarse quartz-feldspar porphyry
PR	Ruby Range	Cenozoic	Biotite Granite
mKW	Whitehorse	Mid-Cretaceous	Biotite-hornblende granodiorite (Mt. McNeil pluton?) medium grey, medium grained, equigranular to seriate, with euhedral amphibole grains 3-5mm in size; contains abundant magnetite; rare autolithic fine-grained diorite/monzonite fragments; hornblende and biotite partially replaced by greenish chlorite; pervasively weakly altered; epidote staining on fracture surfaces; abundant weakly disseminated pyrite
PDS	Yukon-Tanana Terrane (YTT)	Neoproterozoic to Devonian	Quartzite, psammite, pelite and marble; minor greenstone and amphibolite

The MSVC comprises a bimodal sequence of subaerial volcanic and volcaniclastic rocks with a total thickness that locally exceeds 800 metres, and an areal extent of approximately 200 square kilometres. Exposures of the complex adjacent to the Skukum Creek deposit are composed mainly of massive to poorly bedded, plagioclase porphyritic andesitic flows and tuff (McDonald et al, 1990, Naas, 2007). Rocks of the MSVC are locally separated from pre-Tertiary rock types by east to northeast trending, curved faults such as the Berney Creek fault and Wheaton lineament that may have been active synchronously with volcanism and which potentially form caldera-bounding structures (Hart and Radloff, 1990). These structures are host to or control probable synvolcanic vein and shear zone hosted Au-Ag mineralization in the district (Naas, 2007).

Separated from the MSVC by the Wheaton River, the BLVC is located 10 kilometres south of the MSVC and is a 19-by-30-kilometre volcanic centre composed of two fault-bounded, nested cauldrons. Each cauldron represents a resurgent cycle of cataclysmic pyroclastic eruptions. Each cycle contributed approximately 2,000 metres of rhyo-dacitic ash-flow tuffs and breccias with lesser rhyolite and andesite flows to the cauldron fill. A change from acid to intermediate volcanism during each eruptive cycle represents the tapping of a vertically zoned magma chamber (Lambert, 1974). The BLVC is bounded by a series of arcuate rhyolite dikes that together form a roughly sub elliptical arc around the periphery of the complex along a caldera-bounding structure, hereafter referred to as the “ring dike”. The ring dike likely formed during caldera collapse. The dikes are nearly vertical, pinch and swell, and range from 100 to 300 metres wide. Many other leucocratic granite, rhyolite, and dacite dikes are closely related spatially to the ring dike due to having intruded along the ring fracture system (Lambert, 1974).

4.2 PROPERTY GEOLOGY

The dominant lithology on the Pike Warden property is a magnetic biotite-hornblende granodiorite which is bordered to the south by the Bennett Lake Volcanic Complex (Figure 3;

The most abundant rock types in the region comprise metaluminous Cretaceous intrusions of the Coast Plutonic Complex, which are subdivided into several plutonic suites by Hart and Radloff (1990). The dominant Cretaceous suites in the project area include the Mt. McIntyre plutonic suite (96 to 119 Ma), comprising the Mt. Ward granite and Carbon Hill quartz monzonite, and the Whitehorse plutonic suite (116 to 119 Ma), locally represented by the Mt. McNeil granodiorite pluton. Isolated accumulations of mid to late-Cretaceous volcanic rocks of intermediate composition of the Mt. Nansen Group are present regionally and are approximately coeval with the Coast Plutonic Complex. Pre-Tertiary rock types in the region are unconformably overlain by at least four Late Paleocene to Early Eocene volcanic complexes that form the Skukum Group and are intruded by numerous associated rhyolite and andesite dikes. In the project area, these are the youngest exposed rocks and are represented by the Early Eocene Mount Skukum volcanic complex (MSVC) and the Bennett Lake volcanic complex (BLVC). Both these volcanic complexes mark the northern limit of the Sloko Volcanic Province, which extends south into British Columbia.

Late Cretaceous and Early Paleocene brittle dextral displacement associated with widespread dextral displacement throughout the Cordillera is related to reactivation of the Triassic Tally-Ho shear zone. This phase of displacement formed a brittle fault system, termed the Llewellyn fault by Hart and Radloff (1990), which exploited parts of the earlier Tally-Ho structure. Subsidiary faults generated during this tectonic episode may subsequently have been remobilized during Eocene volcanic activity to locally form caldera-bounding structures; these may also have acted as permeable structural sites for the formation of the late-volcanic vein deposits hosted by faults and shear zones in the area (Naas, 2007).

Table 2). Pervasive chlorite-epidote-pyrite alteration in stringer veinlets and on fracture surfaces is common. Hornblende and biotite have been at least partially replaced by greenish chlorite in many fresh samples as well. This unit is likely the Mt. McNeil granodiorite, the same host rock of the Skukum Creek deposit. Geological mapping within Mt. Ward's northwest-facing cirque has successfully delineated three 2-5 metre wide, north-northeast trending rhyolite dikes and small rhyolite plugs outcropping for approximately 700 metres. These dikes and plugs intrude biotite-hornblende granodiorite. Numerous prominent structures are identifiable within the cirque and are likely related to the historical vein mineralization documented in this area.

On the southern portion of the property, there are numerous basalt, andesite, and rhyolite dikes that vary in width from 1 to 30 metres that crosscut granodiorite. These include basaltic dikes with pervasive chloritization of mafics, rusty pale green to dark grey andesitic to dacitic dikes, and mauve to tan-brown, heavily fractured, weakly pyritized, fine-grained massive and flow banded rhyolite dikes. These dikes occur sporadically throughout the property, increasing in density with proximity to the ring dike. The ring dike outcrops prominently on the southern portion of the property and is a buff to rusty cream, blocky

weathered, weak to moderately pyritic quartz feldspar porphyry volcanic dike, varying in thickness from 100 to 300 metres. A small, isolated raft of limonitic quartzite to quartzite breccia sharply contacts the ring dike in the southwest portion of the property. Outcrop exposure is limited to steep slopes and saddle topography which shed talus downslope into valleys formed by glacial activity in this region. Glacially scoured outcrop has been observed on ridgelines at 1,700 metres as well as in the valley bottom at 1,450 metres. Glacial striae trend 170 degrees, and ice movement direction was northward.

4.2.1 BENNETT LAKE VOLCANIC COMPLEX

Although only the northern edge of the BLVC is present on the Pike Warden property, the volcanic complex and its evolution plays an important role in the mineralization observed on the property. The following information is taken from Lambert's 1974 GSC Bulletin titled, "The Bennett Lake Cauldron Subsidence Complex, British Columbia and Yukon Territory". Additional key findings are summarized here from Burke (2022) and other included sources.

The BLVC is part of the early Tertiary Sloko volcanic province, which in this area consists mainly of rhyolite to dacite ash-flow tuffs and breccias with subordinate rhyolite, dacite and andesite lavas. Regional tumescence above a high-level magma chamber distended the overlying granitic rocks and generated concentric and radial fractures. Three episodes of eruption consisting of several ash flows resulted in caldera collapse and magma varying from dacite to andesite rose along the bounding fractures, locally escaping to the surface as lava flows. Restoration of pressure in the magma chamber may have caused arching of the roof rocks and generation of the inner ring-fracture system with a second episode of caldera collapse along the inner ring fracture system. A final upsurge of the magma leaking along concentric and radial fractures and intruded along peripheral ring fractures to form a large ring dike.

The hinge zone (Figure 5) consists of brecciation resulting from caldera collapse and is controlled by the shape of the magma chamber. Explosive eruptions within the BLVC and the accompanying brecciation likely migrated along the ring fracture zone. The hinge zone acted as a northeast-trending inflection point for the episodical subsidence of the complex, where maximum differential displacement and subsidence occurred along the northern edge of the BLVC. On the Pike Warden property, two large northeast-trending structures occur along strike of the hinge zone. These structures likely represent an extension of the hinge zone onto the Pike Warden property. The hinge zone likely acted as a conduit for hydrothermal fluids during the continued volcanic activity post caldera collapse. Mineralization found to date on the property is concentrated along this northeast-trending structural corridor, particularly where it intersects concentric caldera-bounding structures and block faults that developed during earlier stages of the

evolution of the complex. On the Pike Warden property, the BLVC consists of dikes and sills to the northeast of a ring dike, and felsic-intermediate volcanics to the southwest.

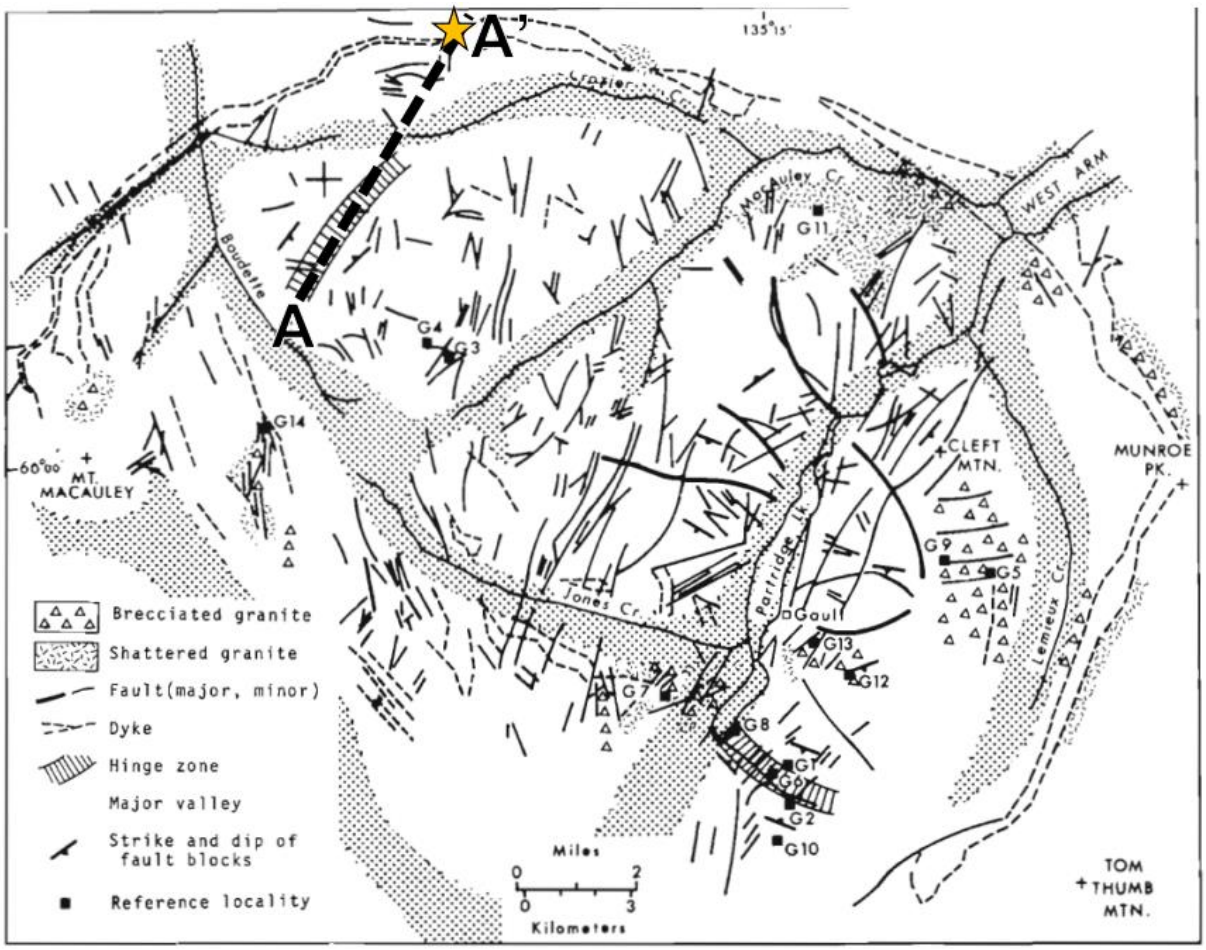

Figure 5: Faults, dikes, areas of shattered and brecciated granitic rocks and major valleys of the Bennett Lake complex with the location of the Pike-Warden property denoted by the yellow star (Lambert, 1974).

4.3 PROPERTY MINERALIZATION

Mineralization at the Pike Warden property is spatially associated with the caldera-bounding ring dike of the BLVC and other parallel concentric structures radiating outward from the ring dike (Figure 6). Vertical displacement across concentric structures may be exposing different depth exposures of a large mineralized system/or systems. South of the ring dike structure, BLVC volcanics host the ERT Zone which consists of replacement-style gold-silver-copper mineralization. Following the trend of the hinge zone northeast of the ring dike, high silver, gold, copper, molybdenum and lead values in quartz veins suggest an intermediate sulfidation setting for mineralization identified at the Bonanza, Silver Scree, Lead-Gold Saddle, and ACPb Zone showing areas. At the Silver Train, elevated copper and molybdenum values along with quartz-carbonate breccias, heterolithic intrusive breccias, and pervasive epidote-pyrite alteration within granodiorite suggest potential for a buried porphyry system at depth. At the Nemean Lion and Hercules showings, there is elevated molybdenum which also supports the potential of a copper-molybdenum porphyry system. Mineralization tends to be concentrated near the intersection of northeast and east-west-trending structures. The main showings on the property are described in further detail in the following subsections.

4.3.1 CONFESSION

The Confession showing is a vein discovered in 1988 by Skukum Exploration Inc., described as a 10-centimetre wide, vuggy, milky white, euhedral quartz vein with massive euhedral galena, massive chalcopyrite and minor pyrite and malachite staining within granodiorite. The vein is traceable for 150 metres along strike. Historical assays are up to 10.68 g/t Au, 378 g/t Ag, 3.98% Pb and 0.66% Cu. It has not been relocated since the 2019 fieldwork due to the rugged topography.

4.3.2 REPENT

The Repent vein system is a historic showing discovered in 1988 by Skukum Exploration Inc., described as a bull white and honey coloured quartz veins in granodiorite with chlorite selvages and blobs of pyrite and chalcopyrite. Veins pinch and swell from 1 to 30 centimetres. Phyllic and propylitic alteration of the granodiorite 1-metre-wide envelopes the veins. Historical assays are up to 2.23 g/t Au. It has not been relocated since the 2019 fieldwork due to the rugged topography.

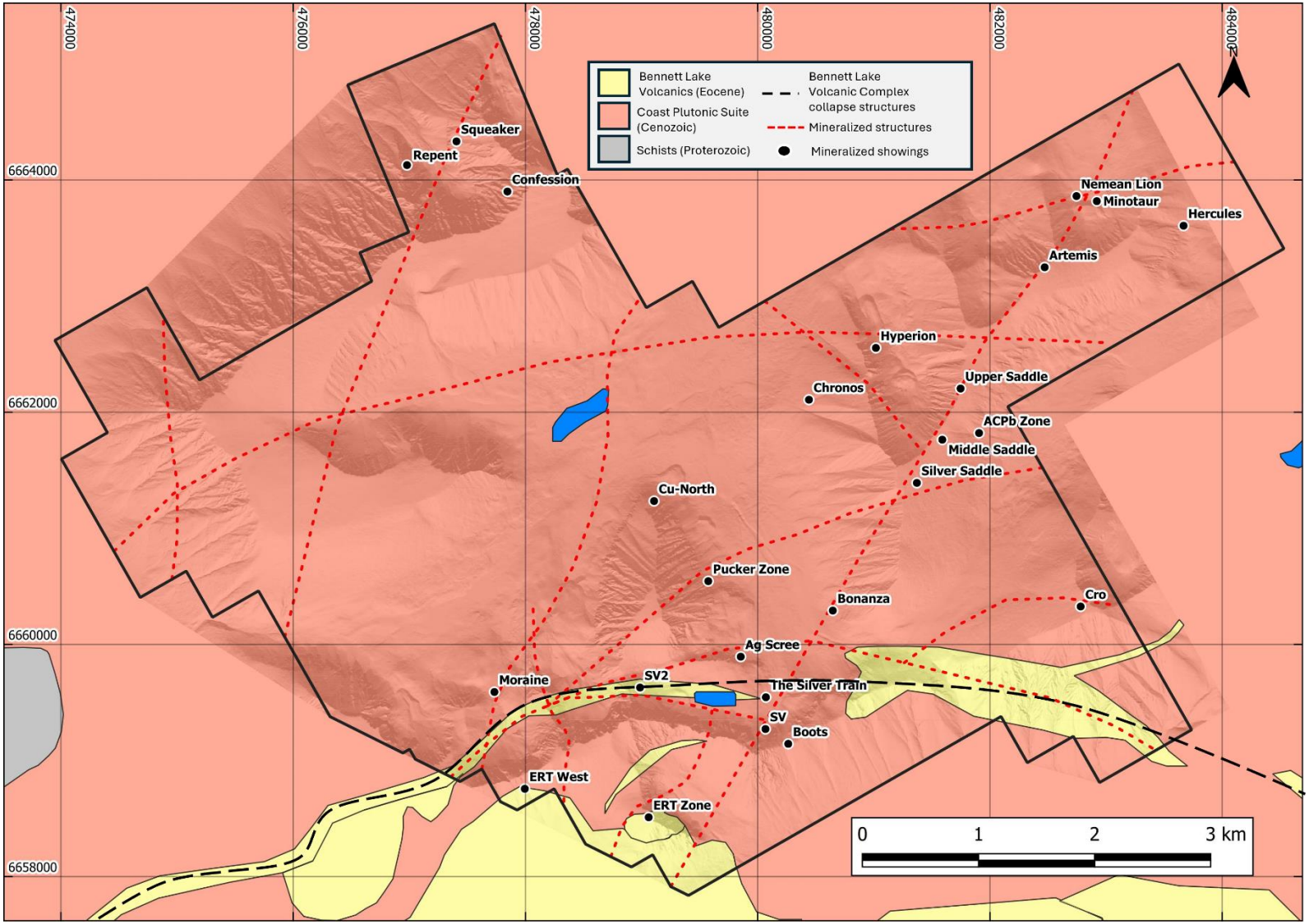

Figure 6: Mineral occurrences and associated structures on the Pike Warden property.

4.3.3 SQUEAKER

The Squeaker veins are a historic showing discovered in 1988 by Skukum Exploration Inc., described as a series of small parallel quartz veins up to 30 centimetres wide with fine grained pyrite, minor galena and minor chalcopyrite. The veins can be traced for around 200 metres and possibly as much as 400 metres. Historical assays are up to 157.38 g/t Ag, 19.67 g/t Au, 1.09 % Pb and 1.47% Cu. (Wilkins and MacKinnon, 1988) It has not been relocated since the 2019 fieldwork due to the rugged topography.

4.3.4 CU NORTH

Historically, this showing was a vein within granodiorite, grading 5.58% Cu and 0.76 g/t Au. In 2022, a float sample of buff volcanic rock was taken from the talus and scree slopes below the showing which returned 0.04 g/t Ag and 2.3 ppm Cu. In 2023, the showing was directly accessed and sampled, returning values of 0.169 g/t Au, 16.5 g/t Ag, and 2.32% Cu. Mineralization was described as semi-massive to stringers to disseminated pyrite and chalcopyrite within quartz diorite, cut by thin 1 to 4-millimetre-wide quartz-chlorite-epidote veins along fractures.

4.3.5 ERT ZONE

Located approximately 1.5 kilometres southwest of the Silver Train, this zone had remained unexplored since 1997. Mineralization has been described as a quartz-arsenic-sulfosalt breccia zone, with high-grade silver hosted within intermediate to felsic volcanic/subvolcanic rocks associated with the BLVC. The observed mineralization consists of diffuse, fine-grained, black to sooty, replacement style silver-bearing sulfosalts and sulfides associated with shear zones within a larger pyritic envelope. Historical work indicated the package of volcanics is relatively flat-lying with gentle southwest dips, unconformably overlying mid-Cretaceous intrusions. The sulfide breccia contains disseminated and occasionally massive pyrite, arsenopyrite, chalcopyrite, sphalerite, galena, and possible stibnite.

A series of small hand dug trenches excavated in 2021 were used to recover chip samples of high-grade Ag, Au, Pb, and Zn mineralization over several metres across subcropping mineralized zones. Ag values from Trench 21TR04 averaged 486 g/t Ag, 0.29 g/t Au over 8.0 metres that included a 2-metre interval that reached 1,140 g/t Ag and 0.67 g/t Au over two metres. A grab sample collected from the site returned 11,270 g/t (11.3 kg/t) Ag as well as 1.26 g/t Au, 1.98 % Pb, 0.15% Zn and >2,000 ppm Sb.

Follow-up work including additional prospecting, hand trenching, and a maiden RC drill program was undertaken in 2022. A highlight grab sample returned 1.73 g/t Au, 1,215 g/t Ag, 0.074% Cu, and 0.32% Pb. Two hand trenches were constructed, totalling 56 metres in length and resulting in 32 chip samples, with highlight values up to 1.47 g/t Au, 526 g/t Ag, 0.02% Cu, and 0.25% Pb over lengths ranging from 0.4 to 0.7 metres. Mineralization included pyrite and a mix of fine-grained grey sulfides presumed to include stibnite and potentially silver sulfosalts. It appeared to be structurally controlled, focused around steeply dipping shears cutting the altered brecciated and flow-banded volcaniclastic BLVC rocks, and exhibit replacement-style textures. The drill program intersected these mineralized shears and returned grades up to 468 g/t Ag over 1.52 metres, with broader mineralized intervals like 91.43 g/t Ag over 21.34 metres.

4.3.6 ERT WEST

Located approximately 1.1 kilometres west of the ERT Zone, this early stage showing was discovered through a float sample during 2023 prospecting work. It was described as a quartz carbonate vein exhibiting strong oxidation and minor sericite alteration hosted within ERT Zone-style volcanics. The sample returned values of 0.31 g/t Au, 267 g/t Ag, and 0.34% Pb. This showing demonstrates the extent of ERT-style volcanics further west of what was previously identified.

4.3.7 SV

Located 160 metres south of the Silver Train, the SV zone consists of a 20-metre-wide exposure of malachite-stained granodiorite with a small series of 2 to 40-centimetre-thick chalcopyrite-pyrite-molybdenite quartz veins. This zone was not sampled in 2023 but 2021 chip sampling of granodiorite returned 0.64% Cu, 32.4 g/t Ag, 0.12 g/t Au and 0.10% Mo over 2 metres. A 20-centimetre chip sample of vein returned peak values of 0.39% Cu, 185 g/t Ag, 0.73 g/t Au and 0.42% Mo. The SV zone potentially links to the Boots Showing.

4.3.8 BOOTS

The Boots showing is located along an east-west trending ridge of granodiorite near a north-south trending saddle 20 metres to the west. It is a 50-centimetre-wide quartz vein trending 090/64 with heavy fracturing and oxidation, vuggy textures and malachite staining, containing 5% pyrite and 2-5% chalcopyrite. The vein is hosted in granodiorite, and it has been traced for 15 metres along strike. Grab samples in 2019 from this vein have graded up to 7.49% Cu and 143 g/t Ag. At this showing, a series of discontinuous fractures were observed which were associated with localized shearing developed within a massive medium grained quartz tonalite. A moderate degree of epidote alteration was also exhibited. It is theorized that the tonalite may belong to the Jurassic Whitehorse group of intrusions which were emplaced prior to the development of the much younger Eocene-aged Bennett Lake volcanic complex. Discontinuous crack-seal texture quartz vein samples were collected in the 2022 program which contained chalcopyrite, a black sulfide thought to be chalcocite, pyrite, and significant malachite staining. The samples returned up to 0.03 g/t Au, 51.10 g/t Ag, and 5.11% Cu. This showing was not visited in 2023.

4.3.9 SV2

Located 1 kilometre west of the Silver Train, the SV2 showing consists of two 2-metre spaced bull quartz veins exposed for 30 metres with small, sheeted veinlet stringers between them. The veins are developed within quartzite/quartzite breccia along its northern contact with the QFP ring dike, and trend approximately 230/50. A chip sample from 2021 across one 30-centimetre-wide vein returned 177 g/t Ag, 0.13 g/t Au and 0.22% Pb. The showing was revisited in 2023 and one of the veins was sampled, described as ranging from 30 to 60 centimetres in width, white to orange weathered, moderately brecciated with fragments of wall rock observed in the vein parallel to vein walls, and a localized pitted, vuggy texture. Minor amounts of disseminated pyrite and possible arsenopyrite were observed alongside small patches of scorodite and hematite. The 2023 vein sample returned values of 0.04 g/t Au, 128 g/t Ag, and 0.41% Pb. The rhyolite composing the ring dike in this area is described as brecciated with abundant sericite alteration, and a locally sooty black breccia matrix, containing disseminated fine-grained pyrite and possible arsenopyrite.

4.3.10 SILVER TRAIN

This zone is approximately 800 by 750 metres. Peak values for this area from sampling conducted in 2020 and 2021 are 5.35% Cu, 1.66% Mo, 493 g/t Ag, 0.60 g/t Au and 0.07% Pb. The zone is comprised of an abundance of oxidized quartz vein float, ranging in size from fist-sized to 1 cubic metre within a boulder field of blocky granodiorite and smaller blocky fragments of buff tan to cream-brown quartz-feldspar porphyry float. There are sporadic outcrop exposures of brecciated granodiorite containing subrounded to subangular dike, quartzite and granitic breccia fragments within a moderately welded greenish-gray tuff west of the main mineralized zone. This brecciation likely represents a large-scale structure associated with observed mineralization. Most of the observed mineralization in this area consisted of oxidized and carbonate altered vein material that has a similar appearance to veining associated with the Eocene rhyolite dikes observed in the vicinity of the Bonanza showing area.

The intrusive rocks of this area consist of variably altered epidote-albite, hematite, and magnetite medium-grained diorite. Within the main zone, there is a 70-metre exposure of north to northeast-trending quartz feldspar porphyry that has a greenish groundmass and pinkish dusting of feldspars, likely hematite or potassium feldspar alteration. Approximately 170 metres east, there is a small 80-square-metre area containing very siliceous and intensely hematite-stained granodiorite fragments. The entire area has sporadic outcrop exposures of fresh basalt dikes, andesite porphyry dikes, and rhyolite dikes that range in size from 1 to 3 metres wide and typically trend 045 to 090^{o} with moderate to steep dips to the south. There are localized areas of subangular granodiorite breccia with a matrix of quartz-carbonate. These samples do not typically contain anomalous mineralization yet are indicative of structure and hydrothermal activity in the area. Subcrop measurements of veins generally trend between 215 to 270^{o} with dips of 50^{o}, but there are only a few measurements of low confidence. An uptake in pyrite content was noted in places where epidote alteration was developed, some chalcopyrite was noted in areas where potassic alteration +/- hematite and magnetite were developed.

In 2022, two mineralized boulders were located on the northeast corner of the small tarn lake central to this area. Based on proximity to outcrop and angularity, it was interpreted that these boulders were situated close to source. Oxidized copper mineralization, probably after chalcopyrite, was observed associated with chlorite alteration along weakly sheared fractures. The style of alteration, mineralization, and its occurrence in intrusive rocks believed to be Cretaceous in age could imply a different mineralizing process or event to that observed to be associated with the Eocene volcanics. The best values returned from 2022 grab samples in the Silver Train include 0.02 g/t Au, 180 g/t Ag, 2.32% Cu, and 0.01% Pb. The showing was not visited in 2023.

4.3.11 MORAINE

Located 2.4 kilometres west of the Silver Train is a float train of very siliceous, manganese-stained quartzite and quartzite breccias. The showing is located near the base of a melting rock glacier and lake within a cirque. Looking up above the glacier to the ridgeline that divides the Moraine and the ERT West showings, 4 rock types were observed – the inferred contact between Nisling and Whitehorse group rocks was visible, with volcanics on top of Nisling rocks, cut by the ring dike. Of the thirteen samples collected in this area in 2021, one sample returned 81.4 g/t Ag and 0.15% Pb. This area was revisited in 2023, and

a float sample of an intermediate, siliceous, rusty, muddy volcaniclastic boulder returned 0.11 g/t Au and 64.9 g/t Ag.

4.3.12 AG SCREE

The Ag Scree showing contains two anomalous zones, 2 kilometres apart from each other, along a prospective northeast trending structure. The first occurrence, discovered in 2020, lies 400 metres north of the Silver Train and consists of a banded quartz-epidote-galena vein which in 2020 returned 1.37 g/t Au, 643 g/t Ag and 1.93% Pb. A large northeast trending lineament runs across the valley, up the slope and onto a north-south ridge, where atop, strikingly similar quartz-epidote-galena vein material was found that returned 3.63% Pb, 10 g/t Ag and 0.10 g/t Au. Follow-up sampling in 2021 atop the ridge returned peak values of 2.32 g/t Au, 110 g/t Ag, 0.61% Cu, 18.33% Pb, 0.35% Zn, and 59.6 ppm Mo. Additional sampling in 2022 saw a scree grab sample return 0.66 g/t Au, 457 g/t Ag, 0.23% Cu, and 1.22% Pb. This structure remains underexplored and open along strike. This showing was not visited in 2023.

4.3.13 BONANZA

Located 800 metres northeast of the Silver Train, the Bonanza consists of a semi-massive quartz sulfide breccia vein float which returned 48.1 g/t Au and 47.6 g/t Ag from a 2021 sample. Directly upslope (about 50-100 metres) of this sample is a 5- to 10-metre-wide flow-banded rhyolite dike, outcropping for roughly 60 metres which intrudes along granodiorite within a prominent, recessively weathered 700-metre-long northeast-trending structural lineament. The granodiorite above and below the dike is bleached and displays moderate propylitic and argillic alteration. Talus cover obscures parts of the recessive feature and likely partially covers mineralization. Follow-up work in 2021 identified additional high-grade gold samples within the recessively weathered lineament obscured by granodiorite talus cover. Three samples collected along 40 metres of this lineament returned 30.2 g/t Au and 4.5 g/t Ag, 16.8 g/t Au and 8.6 g/t Ag, and 8.6 g/t Au and 2.5 g/t Ag. The rhyolite dike material is easily distinguishable in the field due to its rusty/buff colour which appears to be related to strong pervasive ankeritic carbonatization, sulfide content and vuggy clay alteration. The host intrusive rocks do not extensively exhibit this alteration or colouration.

In total, there are four flow-banded rhyolite dikes within the area. First, the westernmost dike is 3 metres thick and trends 010°/10°. This dike has been tracked along strike for 300 m. The second 3-metre-wide dike trends 220°/90° and is exposed sporadically over 400 metres with a potential 700 metre strike length. This is the dike currently believed to be sourcing the high-grade gold veins discovered in 2020/2021. The third dike is 3 metres wide and trends 225°/88°. Along strike 350 metres northeast of this dike is a sample along the ridge that returned 0.38 g/t Au and 18.6 g/t Ag. Lastly, the fourth dike is 3 metres wide and trends 235°/70°. A 5-centimetre chip sample of quartz vein material taken from the upper contact of the dike with overlying granodiorite returned 0.42 g/t Au and 2.3 g/t Ag.

During the 2022 field program, it was observed that this area contains a significant amount of outcropping rhyolite dike material. Most of it shows flow banding and contains trace disseminated euhedral pyrite mineralization. Five hand trenches were dug along the ridge, ranging from 4 to 10 metres long. A grab sample from the trenches returned values of 0.54 g/t Au, 2.82 g/t Ag, and 0.04% Cu. In one of the trenches, the contact between one of the rhyolite dikes and the host granodiorite was also exposed. However, almost no veining was present in the trenches and only very minor amounts of rusty quartz vein float

material were observed in the scree slopes along the ridge. It appears likely that the mineralized veining observed in the talus is coming from discontinuous veining within and perhaps around the margins of the dikes. This showing was not visited in 2023.

4.3.14 UPPER SADDLE

Located 3 kilometres northeast of the Silver Train, the Upper Saddle is an east-west trending, oxidized, recessively weathered saddle of within granodiorite cutting across a north-south trending ridgeline. There is intense epidote-chlorite alteration as well as moderate to strong potassic alteration nearby. Within this saddle, there is a 30-metre-long float train of anomalous Au, Ag, Pb, Zn oxidized quartz vein material. In 2020, a sample returned 2.4 g/t Au, 443 g/t Ag, 0.12% Pb and 0.17% Cu. In 2021, a sample 10 metres west returned 1.82 g/t Au, 821 g/t Ag, 0.22% Pb and 0.14% Cu. The weathered saddle extends beyond the known zone of mineralization and remains open along strike. This showing was not visited in 2023.

4.3.15 LEAD-GOLD SADDLE

Located 2.5 kilometres northeast of the Silver Train, the Lead-Gold Saddle is comprised of three coarse-grained euhedral quartz vein containing semi-massive interstitial galena along the northern margin of a prominent talus fan. All three samples taken in 2021 returned high-grade Au, Pb, Ag and strong Cu values with peak values of 44.5 g/t Au, 59.6% Pb, 491 g/t Ag and 0.16% Cu. During the 2022 field program, additional high-grade samples were collected with peak values of 9.81 g/t Au, 226 g/t Ag, 0.07% Cu, and 20% Pb. This showing was not visited in 2023.

4.3.16 ACPB ZONE

Located approximately 150 metres downslope of the Lead-Gold Saddle is a vein-hosted occurrence of mineralization discovered in the 2022 work program. A mineralized quartz vein, up to 50 centimetres wide, was uncovered with a hand trench and observed to contain massive galena and significant malachite staining. Chip samples from the hand trench returned peak values of 11.80 g/t Au, 28.90 g/t Ag, 0.06% Cu, and 4.58% Pb. This showing was not visited in 2023.

4.3.17 CRO

Located 2.8 kilometres east of the Silver Train, the Cro showing contains two separate anomalous vein float/subcrop samples 150 metres apart from each other. The first is an east-west trending quartz vein float train that has been tracked for 90 metres along the ridgeline. In 2021, an outcrop vein sample of 5-centimetre-wide vein material within the float train returned 0.95 g/t Au, 19.7 g/t Ag, 0.18% Cu and 21.3 ppm Mo. An adjacent wall rock sample returned 1.55 g/t Au, 23.3 g/t Ag, 0.26% Cu and 0.02% Mo. The second, located 150 metres SW of the first, is a 60-centimetre clay altered, gouged chip sample within a 225/40 trending saddle that returned values of 1.43 g/t Au, 0.8 g/t Ag.

During the 2022 field program, one duplicate sample was taken and additional samples of two different styles of quartz veining were also collected. The first was a rusty quartz vein similar to those collected elsewhere on the property, which returned values of 0.23 g/t Au, 87.8 g/t Ag, and 0.01% Pb. The second was a brecciated quartz-chlorite vein with pyrite and minor chalcopyrite that hadn't previously been noted on the property, which returned values of 0.04 g/t Au, 1.09 g/t Ag, and 0.05% Cu. The area around this showing was mostly covered by talus but it still reflected various changes in the host rock lithology

moving up and across the summit, ranging from hornblende to amphibole rich tonalites and diorites. This showing was not visited in 2023.

4.3.18 PUCKER ZONE

This early-stage, potential showing was discovered during the 2022 program while traversing across the steep talus slopes towards Cu North. Two float samples were collected from a recessed gorge 15 metres below the exposed vein on a cliff face and returned peak values of 0.02 g/t Au, 2.76 g/t Ag, and 0.12% Cu. The host rock was identified as a fine grained, silicified mafic dike, and the vein was quartz-chlorite in composition with patchy stringers of pyrite and chalcopyrite. It is possible that this zone could represent an extension of the Sliver Scree trend, which is located on the north side of the valley approximately 2 kilometres to the west of the saddle associated with this trend. This showing was not visited in 2023.

4.3.19 CHRONOS

The Chronos showing was discovered in 2023 through three bedrock grab samples of separate quartz veins hosted within biotite-hornblende granodiorite proximal to a contact with a rhyolite dike. The first sampled vein was located closer to the contact and ranged from 10 to 15 centimetres in width. It was banded, with bands separated by limonite coated fractures and seams of pyrite. Additional mineralization in that vein included trace amounts of arsenopyrite, galena, and chalcopyrite. The second sampled vein was also located close to the contact and ranged from 20 to 40 centimetres in width. The surface of the vein was rusty and pyrite with minor arsenopyrite was observed along cracks and fractures within the vein. The final sampled vein was 8 centimetres wide with a rusty weathered surface. The fresh surface of the vein also showed some oxidation along with mineralization in the form of blebby galena, chalcopyrite, and arsenopyrite. The highest values from these samples returned values up to 0.01 g/t Au, 1.87 g/t Ag, and 0.72% Mo

4.3.20 HYPERION

The Hyperion showing was discovered during the 2023 prospecting efforts. It is defined by a 5- to 30-centimetre-wide zone of veining along a sheared contact of fine grained, carbonatized hornblende gabbro and strongly silicified and carbonatized medium grained granodiorite. The outcrop is rusty and buff coloured. The zone of alteration with stockwork veining continues westward for approximately 2 to 3 metres. Shear veins near the contact range from 5 to 10 centimetres in width. The shear itself trends approximately 270°/90°. Mineralization includes pyrite, galena, sphalerite, and trace chalcopyrite. Along with the bedrock samples collected, an additional talus float sample was also collected of a 5-centimetre-thick rusty quartz vein observed to host 2 to 5% pyrite. The highest values returned from this zone were 0.06 g/t Au, 6.56 g/t Ag, 0.06% Cu, and 0.05% Pb.

4.3.21 ARTEMIS

The Artemis showing was discovered in 2023 and consists of a 115-metre-long frost-heaved float train of vuggy quartz carbonate vein chunks approximately 3 to 5 centimetres thick and 5 to 20 centimetres wide. The float train is within a felsenmeer of medium grained gabbro, about 1.3 kilometres northeast along the ridge from the Upper Saddle showing. The vugs host terminating quartz crystals reaching up to 1 to 1.5 centimetres in length. Mineralization varies from no visible sulfides to semi-massive and massive galena, with minor pyrite and chalcopyrite associated with malachite and azurite staining. The 12 samples

collected along this trend returned peak values of 0.30 g/t Au, 832 g/t Ag, 0.24% Cu, 13.85% Pb, and 0.42% Zn.

4.3.22 NEMEAN LION

Located within the newly staked LION claims, the Nemean Lion showing was discovered in 2023 through a mineralized float sample. Molybdenite rosettes up to 2 centimetres in diameter were visible along the surface of a subangular boulder of oxidized granodiorite. Lesser amounts of fine to coarse grained pyrite and trace amounts of fine-grained potential marcasite were also noted. Mineralization was observed to be localized along a 0.5-centimetre opaque white quartz vein in the boulder which transitions to a fracture surface with vugs containing molybdenite. Analysis of the sample returned values of 0.4 g/t Ag and 2.37% Mo.

4.3.23 MINOTAUR

The Minotaur showing was discovered in 2023 within the newly staked LION claims and is located approximately 180 metres to the southeast of the Nemean Lion showing. A float sample of brecciated quartz vein talus was collected that displayed epithermal-style characteristics, such as vugs, terminating quartz crystals, and other open space filling textures. The host granodiorite rock fragments within the brecciated veining appear to be highly altered compared to other granodiorite talus material in the vicinity, displaying hematite staining and significant oxidation, with minor chloritization of mafic minerals. The veining was approximately 10 centimetres thick. Analysis of the sample returned 2.91 g/t Au and 1.22 g/t Ag.

4.3.24 HERCULES

The Hercules zone is a very early-stage showing defined currently by a float sample collected from talus in the northeastern side of the property in 2023. It is recorded as oxidized biotite granodiorite with patches of fine-grained disseminated pyrite and molybdenite mineralization. Assaying returned values of 0.04 g/t Au, 2.43 g/t Ag, and 0.53% Mo.

4.4 ADJACENT DEPOSITS

Discovered in 1981, Mt. Skukum is located approximately 10 kilometres to the north of the property (Figure 3). The Mt. Skukum gold mine was fast-tracked into production following its discovery, producing about 77,790 ounces of gold between 1986 and 1988 from 233,400 tonnes of ore (Naas and Rodger, 1999). Following this discovery, a period regional exploration of the MSVC and the BLVC occurred between 1981 and 1989. During this period, two other significant discoveries were made: the Goddell Gully and Skukum Creek deposits, located northeast and north of the property respectively (Figure 3). The closure of Mt. Skukum in 1988 along with depressed metal prices at the time resulted in exploration effectively ceasing in the area. In 2021, Tincorp Metals Inc. (previously Whitehorse Gold Corp.) resumed activity around the Mt. Skukum, Skukum Creek, and Goddell prospects, incurring approximately 15 million dollars of expenditures and completing 18,000 metres of diamond drilling.

In December of 2022, Tincorp Metals released an updated NI 43-101 resource that incorporated results of drilling completed since 2020 with historical drilling at each of the Skukum Creek, Goddell Gully, and Mt. Skukum deposits (Table 3). Pike Warden's proximal location and similar geology to the Skukum Creek deposit makes it an attractive exploration target.

Table 3: Mt. Skukum mineral resource estimate from the 2022 NI 43-101 Technical Report.

MINERAL RESOURCE ESTIMATE [1-9]							
Classification	**Tonnes (kt)**	**Au (g/t)**	**Ag (g/t)**	**AuEq (g/t)**	**Au (koz)**	**Ag (koz)**	**AuEq (koz)**
Goddell Gully							
Indicated	273	7.52	2.8	7.56	66	24	66
Inferred	1,134	4.61	3.1	4.64	168	112	169
Mt. Skukum							
Indicated	273	9.88	11.6	10.02	87	102	88
Inferred	201	6.05	7.3	6.14	39	47	40
Skukum Creek							
Indicated	1,048	5.79	170.5	7.83	195	5,742	264
Inferred	1,680	4.49	101.3	5.70	242	5,471	308
Total							
Indicated	1,594	6.79	114.5	8.16	348	5,868	418
Inferred	3,016	4.64	58.1	5.33	449	5,631	517

5.0 2023 EXPLORATION PROGRAM

Work completed by Transition Metals Corp. (TMC) in 2023 consisted of prospecting and soil sampling focused on the northern portion of the property, remote sensing surveys collecting LiDAR and orthophotography data, and the collection of high-resolution multispectral satellite imagery for alteration mapping and lineament interpretation. The exploration goals for 2023 were completed safely and successfully. The remote sensing surveys contributed high-quality products to the project's geological database, which will be used to plan future work programs and continue improving the geological interpretation. The work highlighted the prospectivity of ground extending to the northeast of the former property boundary that was subsequently staked.

A summary of samples collected by type is included in A map showing the locations and sample numbers for all rock and soil samples is included in Appendix B. Rock and soil sample descriptions are included in Appendix C. Assay certificates are included in Appendix D.

Table 4. A map showing the locations and sample numbers for all rock and soil samples is included in Appendix B. Rock and soil sample descriptions are included in Appendix C. Assay certificates are included in Appendix D.

Table 4: Summary of samples by type.

Summary of Samples by Type	
Prospecting Samples	**194**

Soil Samples	**109**
QA/QC (Standards & Blanks**)**	**13**
Total # of Samples	**316**

5.1 PROSPECTING AND SOIL SAMPLING

Between July 19th and 27th, 2023, TMC staff were involved in prospecting and soil sampling activities targeting the northern section of the Pike Warden property, alongside Archer Cathro staff for 8 field days. 6 days were spent in a 6-person camp, followed by 2 additional days of helicopter-supported prospecting set-outs in the southern and northeast areas of the property to follow up on previously identified showings (ERT Zone, Upper Saddle). The purpose of the program was to collect field data in the previously under-explored northern portion of the property. Mineralized bedrock occurrences along with prospective subcrop and talus material were sampled, alongside a small soil sampling program in select areas of the property. This work resulted in the discovery and characterization of 4 new mineralized showings (Artemis, Chronos, Hyperion, ERT West).

In summary, a total of 194 rock samples (A map showing the locations and sample numbers for all rock and soil samples is included in Appendix B. Rock and soil sample descriptions are included in Appendix C. Assay certificates are included in Appendix D.

Table 4) were analyzed from this program's activities. Highlight rock assay results are summarized in Table 5. A full table of samples is included in Appendix C.

Table 5: Highlight results of prospecting samples.

Sample	Location	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Mo (%)
D939474	ERT West	0.31	267	0.02	0.34	<0.01
H515235	ERT Zone	0.21	954	0.01	0.10	<0.01
E812051	Cu North	0.17	17	2.32	<0.01	<0.01
D939480	Artemis	0.30	832	0.24	2.66	<0.01
E812061	Chronos	0.01	2	0.01	<0.01	0.72

A total of 109 soil samples (A map showing the locations and sample numbers for all rock and soil samples is included in Appendix B. Rock and soil sample descriptions are included in Appendix C. Assay certificates are included in Appendix D.

Table 4) were analyzed from this program's activities. Highlight soil assay results are summarized in Table 6. A full table of samples is included in Appendix C.

Table 6: Highlight results of soil samples.

Sample	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Mo (ppm)
YY24534	0.201	0.718	20.3	10.5	0.79
YY24531	0.022	0.686	29.6	102.5	2.54
YY24502	0.002	0.161	87.9	21.4	1.42

YY24898	0.007	0.258	71.1	15.8	5.43

5.2 REMOTE SENSING SURVEYS

Two remote sensing surveys were conducted as part of the 2023 work program to gather high-resolution products to improve the current project database. The first survey utilized the Worldview-3 satellite to collect multispectral Visible and Near Infrared (VNIR) and Short-Wave Infrared (SWIR) data. The second was an airborne survey to collect high-resolution LiDAR data and orthophotos over the property. Both surveys are described in further detail respectively in the following sections. Logistical reports containing additional information for the surveys are attached in Appendix F.

5.2.1 MULTISPECTRAL ALTERATION MAPPING

A property-scale, remote sensing-based alteration survey was undertaken for Pike Warden utilizing purposely tasked data collected at the request of the company using the WorldView-3 satellite. A cloud-free, 100 square kilometre image of the property area and surrounding region was captured successfully on August 27th, 2023. PhotoSat, a Vancouver based multidisciplinary company who develops data processing systems for special applications to satellite imagery, was contracted to assist with data collection and interpretation. The current processing method used by PhotoSat is based on spectral matching and deep learning technology. Up to 13 key minerals (alunite, kaolinite, buddingtonite, opal/chalcedony, calcite, chlorite/epidote, montmorillonite, sericite, goethite, hematite, jarosite, iron oxide gossans, silica) can be differentiated, with reliable detection, repeatable results, and fewer false positives. PhotoSat applied their data processing and interpretation techniques to deliver 4 context images (colour, greyscale, geology enhanced colour, vegetation intensity) as well as maps and products highlighting the location of probable and all possible locations of the 13 key minerals.

5.2.2 LIDAR & ORTHOPHOTOS

This survey was contracted to Pioneer Exploration Consultants Ltd. On August 10th, 2023, the airborne survey was flown using a Bell 206LR owned and operated by Capital Helicopters. Final project deliverables included a classified bare earth point cloud, a Digital Elevation Model (DEM) at 0.5-metre resolution, and a property orthophoto at 10-centimetre resolution. The Lidar data was acquired to produce a high-resolution bare earth digital elevation model to help highlight and define detailed lineaments to assist with geological and structural interpretation and planning. The orthophotos were collected to assist with geological interpretation and planning. These high-quality products provide significant value towards the planning of additional exploration work on the property, such as the selection of future drill pad sites.

5.3 FOLLOW-UP PROSPECTING

Between September 18th and 22nd, 2023, field crews were deployed to conduct helicopter-supported prospecting and mapping traverses in the northeast section of the Pike Warden property. In total, 4 days were spent prospecting with crews of 2 to 4 people. The program resulted in the discovery of 3 new showings (Nemean Lion, Hercules, Minotaur), the staking of 18 new claims (LION 1-18), and the collection of preliminary geological field data on those newly staked claims. Mineralized bedrock occurrences along with prospective subcrop and talus material were sampled, as shown in the map included in Appendix B.

In summary, a total of 78 samples (A map showing the locations and sample numbers for all rock and soil samples is included in Appendix B. Rock and soil sample descriptions are included in Appendix C. Assay certificates are included in Appendix D.

Table 4) were analysed from the prospecting activities. Highlight results can be found in Table 5. A full table of samples is included in Appendix C.

Table 7: Highlight results of prospecting samples.

Sample	Location	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Mo (%)
D938889	Minotaur	2.91	1.22	<0.01	<0.01	0.01
D938872	South of Hercules	0.02	6.57	0.03	0.01	0.01
E812105	Chronos	0.02	1.41	0.05	<0.01	<0.01
E812101	Chronos	0.01	3.02	<0.01	0.05	<0.01
D938891	Nemean Lion	<0.01	0.40	0.01	<0.01	2.37
D938883	Hercules	0.04	2.43	<0.01	<0.01	0.53

5.4 INTERPRETATION AND MODELLING OF DATA

Following the completion of the sampling efforts during the July and September field programs, approximately 10 days were collectively spent on data interpretation with the received assay results, to integrate the data into the project database and use in future exploration planning and programs. Assay results are included in Appendix D and all sample descriptions are included in Appendix C.

The interpretive products from PhotoSat for the alteration mineral mapping program were reviewed over the course of approximately 10 days, with the goal of finding spatial associations with field observations of alteration and mineralization. Additionally, the LiDAR, orthophoto, and DEM products received from Pioneer Exploration Consultants Ltd. were reviewed over the course of approximately 10 days to synthesize products for the upcoming lineament study and use towards highlighting additional prospective areas on the property.

The LiDAR data and interpretive multispectral products were then incorporated alongside existing geophysical data for the property towards the completion of a lineament study. Approximately 25 days were spent compiling a new dataset composed of over 3,300 lineaments. New interpretive products were created for the project database which can be used in future additional target generation and more advanced exploration planning. The report created for the lineament study is included in Appendix F.

5.5 SAMPLE PREPARATION, METHODOLOGY, ANALYSIS & SECURITY

Information within this section contains a detailed overview of the sampling methods, preparation, methodology, and security throughout the sampling procedure.

5.5.1 SAMPLE COLLECTION & SECURITY

5.5.1.1 ROCK SAMPLES

Exposed bedrock, talus slopes, and scree material were observed and sampled to identify possible controls on mineralization at Pike Warden, such as structure, lithology, and alteration. These efforts were focused within the northern, under-explored area of the property. Samples were collected either from float material or as grabs hammered off outcrop or subcrop material. A description was recorded either physically or digitally (notebook or tablet) for each sample before placing the material into a poly bag with an assay tag and then sealing the bag with flagging tape. Groups of 5 to 10 (depending on weight) sequentially numbered sample bags were placed in woven industrial engineered fabric shipping bags (rice

bags) and securely closed with plastic zip ties for safe transportation off-site via helicopter, and later to the ALS-Chemex Whitehorse lab for sample preparation.

5.5.1.2 SOIL SAMPLES

Soil samples were collected across the northern, under-explored section of Pike Warden to further expand the database of soil geochemical data available for the project. Fines material was collected with small hand trowels. Organic matter and any particles larger than a fingernail were removed from the sample material. The material was placed into a kraft paper bag, pre-labelled with a sample number, and then sealed with flagging tape. Groups of approximately 30 sequentially numbered sample bags were placed in woven industrial engineered fabric shipping bags (rice bags) and securely closed with plastic zip ties for safe transportation off-site via helicopter, and later to the ALS-Chemex Whitehorse lab for sample preparation.

5.5.2 SAMPLE ANALYSIS

Samples were submitted to ALS-Chemex's Whitehorse lab and were prepared using the analytical methods as described in the corresponding analytical certificates contained within Appendix D. The Whitehorse lab completed the crushing and pulverising for all samples before transporting them to their facility in North Vancouver (British Columbia) for analyses. The sample assurance system used complies with international standards ISO 9001:2000 and ISO 17025:2005. These were developed to maintain high-quality standards in laboratories. ISO 9001:2000 sets out requirements for Quality Management Systems and ISO 17025:2005 is an internationally-accepted standard for laboratory quality systems that provides a basis for accreditation.

At the Whitehorse lab, the rock samples were dried as required, crushed to 70% less than 2 millimetres or better using a jaw and/or roller crusher. The crushed sample was split using a riffle splitter and an approximately 1-kilogram split was pulverized to more than 85% passing 75 microns or better using a ring and puck grinding mill. The rock samples underwent the following methods: fire assay fusion (lead flux with Ag collector), Au by fire assay and ICP-AES, four acid digestion, four acid "near" total digestion (HF-HNO3-HClO4), Ore grade Cu by HF-HNO3-HClO4 Digest, HCl leach and ICP-AES, multi-element ore grade by ICP-AES, Ore grade Pb by HF-HNO3-HClO4 Digest, HCl leach and ICP-AES, Ore grade Ag by HF-HNO3-HClO4 Digest, HCl leach and ICP-AES, and a Multi-Element Ultra Trace method combining a four-acid digestion with ICP-MS instrumentation.

For the soil samples, they were weighed, dried as required, and dry screened to 180 micron (80 mesh) with the plus and minus fractions saved, before undergoing analyses. The specific methods used in the analysis process were aqua regia digestion for acid extractable Au, and super trace detection limit method for Au plus multi-element package by aqua regia digestion for acid extractable Au.

5.5.3 INTERNAL QA/QC PROGRAM

5.5.3.1 ROCK SAMPLES

For rock samples, internal quality assurance and quality control (QA/QC) samples were added to the sample sequence. Certified reference blanks (white garden rock as silica blanks) and standard material (CDN-ME-15, CDN-ME-16) were inserted in the sample numbering sequence at regular intervals.

Standards and blanks are identifiable within the assay certificates provided in Appendix D, as they typically have significantly lower "received weights". Internal QA/QC reports (not included with this assessment report) were generated by TMC staff for each laboratory batch as received, to maintain an internal continual compilation of QA/QC results. There were no undue analytical failures for this work program.

5.5.3.2 SOIL SAMPLES

For the limited soil sampling program, there was no insertion of internal standards and blanks, due to the lack of a suitable standard or blank material for soils. However, ALS-Chemex inserts analytical blanks into the sampling sequence during analysis for their own internal QA/QC program. There were no undue analytical failures for this work program.

6.0 DISCUSSION AND CONCLUSIONS

The Pike Warden property hosts an expanding cluster of silver, copper, gold, lead, and molybdenum showings where selective sampling has returned assay results up to 1,215 g/t Ag, 11.8 g/t Au, 5.11% Cu, >20% Pb (overlimit), and 2.37% Mo. This mineralization is observed replacing or associated with fracturing and veining in Eocene dikes and/or volcanic rocks associated with the BLVC, and it is seen associated with shear zones and veining developed in the host plutonic units. Data collected as part of this program has been helpful in highlighting spatial associations between newly discovered zones of mineralization and the caldera concentric and radial structures that appear to be influenced by the BLVC.

Prospecting and the sampling of rocks and soils has resulted in the discovery of 7 new showing areas in 2023 and provided some preliminary insights into the prospectivity of portions of the property that had not previously been visited and sampled. Geochemical values from the rock sampling returned values including up to 2.91 g/t Au, 832 g/t Ag, 0.24% Cu, 6.1% Pb and 2.37% Mo. The discovery of elevated copper-molybdenum mineralization near the northeast claim boundary led to a decision to stake and prospect the LION group of claims. Soil sampling collected downslope from the Hyperion showing returned elevated values for copper, molybdenum, gold, and silver which further highlights the prospectivity of this new trend.

On the south end of the property, sampling around the ERT Zone greatly expanded the known mineralized footprint of this target area. The ERT West showing is located over 1 kilometre west of the exposed mineralization at the ERT Zone, upslope from a broad silver and gold soil anomaly. Outcrop sampling 400 metres downslope from the ERT Zone returned one sample grading 954 g/t Ag.

The multispectral survey highlighted the widespread occurrence of chlorite, epidote and carbonate minerals on the property. This assemblage is consistent with a large propylitic alteration signature. Within this envelope, the alteration study highlighted trends of phyllic alteration associated with sericite, pyrite, and iron oxide responses that follow and help define trends associated with major caldera concentric and radial structures developed around the BLVC. It was observed that potassic alteration is present in some areas along these structures, as evidenced in the radiometric data, which corresponds to areas of increasing copper-molybdenum mineralization as well as increasing magnetic intensity at depth. This combination of signatures is supportive of a thesis of proximity to copper-rich porphyry styles of mineralization at depth. Trends of clay alteration (principally montmorillonite) highlight broad trends and

discrete structures associated with structures hosting gold-silver intermediate sulfidation style veining that may merit further investigation.

The LiDAR survey was very useful in highlighting bedrock lineaments associated structures lining up with trends of mineralization in a manner helpful for geological interpretation, prospectivity mapping and future targeting. A lineament study was undertaken by TMC employee Sarah Reese (Field Geologist) to identify structures observed within the recently collected LiDAR and multispectral data, along with various types of geophysical data collected from an airborne survey conducted in 2021 by Mr. Burke. The results of this study are summarized in a report which is included in Appendix F.

The combined data sets help to identify patterns on the property that can be used to distinguish differing styles of mineralization, their controls, and overall economic potential. Caldera concentric structures outline 3 domains (Figure 7) with different host rocks or styles of alteration and mineralization, that are proposed as follows:

- Domain 1: BLVC volcanics, Rhyolite breccias, within/near margins of caldera. Domain 1 hosts the high sulfidation silver-gold mineralization observed at the ERT Zone.
- Domain 2: Whitehorse group and BLVC dikes. This domain hosts intermediate sulfidation style, base metal enriched gold/silver veining.
- Domain 3: Whitehorse and Ruby Range group intrusives. No BLVC dikes observed. This domain has an increased copper/molybdenum association.

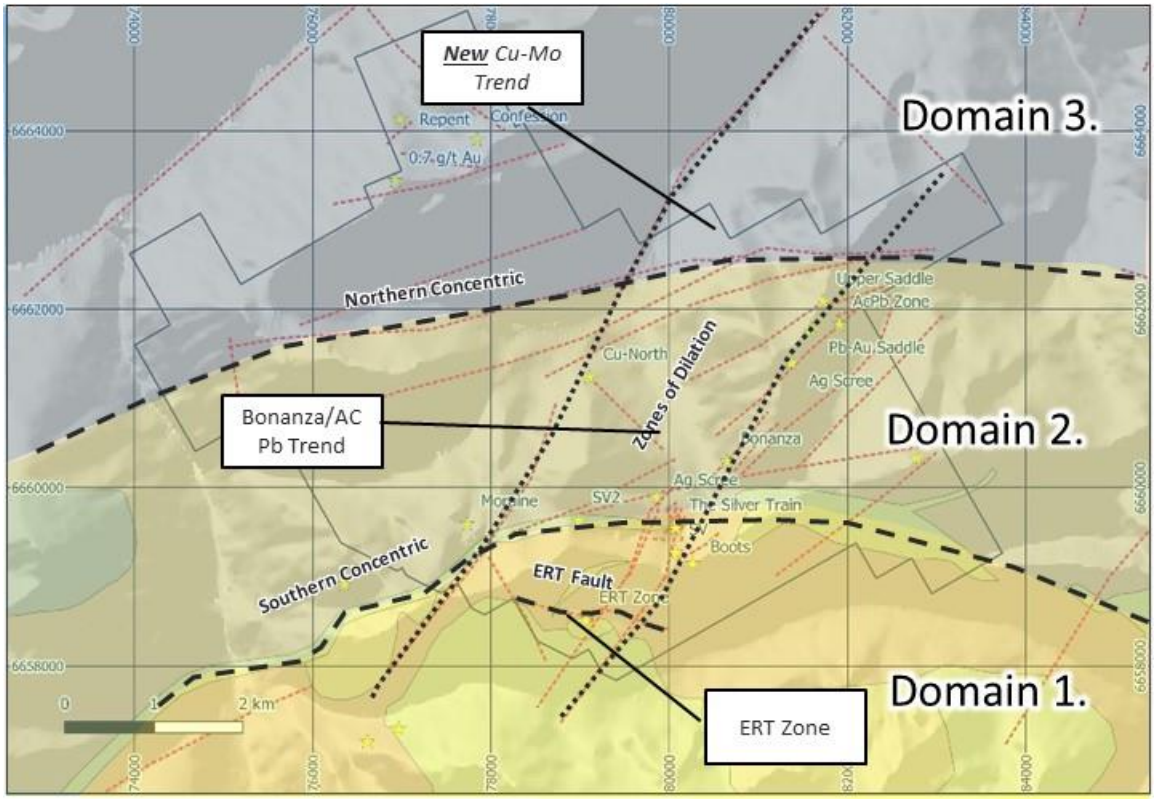

Figure 7: Proposed domains of mineralization on the Pike Warden property based on interpretations of project database.

It is observed that northeast trends of weakness intruded by BLVC dikes, alteration, and mineralization seem to be important trends for controlling polymetallic mineralization, and that the intensity of mineralization seems to increase where they interact with or crosscut with concentric structures.

7.0 RECOMMENDATIONS

The work programs completed in 2023, supported by historical exploration work and findings, suggest there is high potential for additional polymetallic mineralization on the property that may be related to a larger underlying porphyry-epithermal system. To better understand the scope of this potential, and to continue moving the project forwards, it is recommended that the following options be considered for work on the property in the future:

1. Petrographic analysis of representative samples collected to characterize the main lithological units, alteration, and mineralization.
2. Property-wide magnetotelluric survey to identify any deep-seated potential targets.
3. Locate and sample the Confession, Repent, and Squeaker showings.
4. Follow-up trenching around and on select property showings (such as the Artemis, Nemean Lion, and Minotaur areas) to discover bedrock sources of the mineralized talus/float samples previously collected.
5. Expanded talus fines/soil sampling program, particularly in the area of the identified trend along the Silver Saddle, Middle/Lead-Gold Saddle, and Upper Saddle showings, and through the newly staked LION claims.
6. Additional RAB/RC drilling for infilling at the ERT Zone, or at new targets identified through future work.
7. Deeper drilling at the ERT Zone using a diamond drill to obtain more geological information per hole about possible structural controls on mineralization.

8.0 STATEMENT OF EXPENDITURES

The 2023 exploration programs were completed with a total exploration expenditure of $209,321.10 (excluding HST/GST). The breakdown of the costs is summarized in Table 8, and the full statement of expenditures is included within Appendix E alongside supporting invoices. The YMEP grant awarded to this project covers up to 50% of eligible expenses to a maximum funding amount of $50,000.

Table 8: Summarized 2023 exploration expenditures.

Supplier	Category	Time Period	Cost
Transition Metals Corp	Labour	July, Sept.	$7,700.00
	Transportation	July, Sept.	$5,552.74
	Camp, Lodging & Misc	July, Sept.	$434.49
	Interpretation/Report Writing	Sept.-Jan.	$24,500.00
G. Collins Geoscience	Geological Services	July-Jan.	$14,375.00
	Transportation	July-Nov.	$347.20
ALS Geochemistry	Analysis	July, Sept.	$21,054.54
Archer, Cathro & Associates (1981) Ltd.	Labour	June-Nov.	$37,840.80
	Transportation	July, Sept.	$27,965.24
	Camp, Lodging & Misc	July, Sept.	$11,987.18
PhotoSat	Satellite Alt. Mapping	August	$23,438.91
Pioneer Exploration Consultants Ltd.	LiDAR + Orthophotos	August	$34,125.00
Total 2023 Expenditures			**$209,321.10**

9.0 STATEMENT OF AUTHORS

9.1 COLLINS, G.

I, Greg Collins, do hereby certify that:

1) I am the Chief Operating Officer of Transition Metals Corp.
2) I am the President and Principal Geoscientist of G.Collins Geoscience Inc., a geological consulting company based in Lakefield, Ontario.
3) I am a member in good standing with the Association of Professional Geoscientists, Ontario (#480), residing at 2577 Buckhorn Road, Lakefield Ontario, K0L 2H0.
4) I attained an H.BSc. Engineering degree from Queen's University in 1994.
5) I have worked consecutively as an exploration and operation focused geologist for more than 30 years on projects including shear zone hosted lode gold and intrusion related disseminated gold deposits and intrusion related Ni-Cu-PGE deposits.
6) I personally assisted with the 2023 Work Program at the Pike Warden property, as described in this report.

Signed January 29, 2024, in the City of Lakefield, Ontario:

9.2 REESE, S.

I, Sarah Reese, do hereby certify that:

1) I am an employee of Transition Metals Corp. and am a registered Geologist in Training with Professional Geoscientists of Ontario.

2) I currently reside at 91 Hyland Drive, Unit 3, Sudbury, ON P3E 1R7.

3) I received a B.A.Sc. in Geological Engineering from Queen's University in 2022.

4) I have been working in geological capacity within Canada since 2019 and personally assisted with the 2023 Work Program at Pike Warden, as described in this report.

Signed Wednesday, 31 January 2024, in the City of Sudbury, Ontario:

10.0 REFERENCES

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Appendix A

Claim Data

Yukon

Claim Status report

2024-01-25 11:18 AM

Claim status	Claim name and number	Grant number	Claim expiry date	Claim owner	NTS Map	Grouping number	Notification Approval	Total Excess Credit
Active	PIKE 1	YE96665	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 2	YE96666	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 3	YE96667	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 4	YE96668	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 5	YE96669	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 6	YE96670	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 7	YE96671	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 1	YE96672	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 2	YE96673	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 3	YE96674	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 4	YE96675	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 8	YE96676	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 9	YE96677	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 10	YE96892	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 11	YE96893	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 12	YE96894	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 13	YE96895	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 14	YE96896	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 15	YE96897	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 16	YE96898	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 17	YE96899	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	

Active	PIKE 18	YE96900	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 19	YE96901	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 20	YE96902	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 21	YE96903	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 22	YE96904	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 5	YE96905	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 6	YE96906	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 7	YE96907	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 8	YE96908	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 9	YE96909	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 10	YE96910	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 11	YE96911	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 12	YE96912	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	WARDEN 13	YE96913	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 23	YE96914	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 24	YE96915	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 25	YE96916	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 26	YE96917	2037-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 27	YF92051	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 28	YF92052	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 29	YF92053	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 30	YF92054	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 31	YF92055	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 32	YF92056	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 33	YF92057	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	

Active	PIKE 34	YF92058	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 35	YF92059	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 36	YF92060	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 37	YF92061	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 38	YF92062	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 39	YF92063	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 40	YF92064	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 41	YF92065	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 42	YF92066	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 43	YF92067	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 44	YF92068	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 45	YF92069	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 46	YF92070	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 47	YF92071	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 48	YF92072	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
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Active	PIKE 50	YF92074	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
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Active	PIKE 52	YF92076	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
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Active	PIKE 55	YF92079	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 56	YF92080	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 57	YF92081	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 58	YF92082	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	

Active	PIKE 59	YF92083	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 60	YF92084	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 61	YF92085	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 62	YF92086	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 63	YF92087	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 64	YF92088	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 65	YF92089	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 66	YF92090	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
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Active	PIKE 69	YF92093	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 70	YF92094	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 71	YF92095	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 72	YF92096	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 73	YF92097	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 74	YF92098	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 75	YF92099	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 76	YF92100	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 77	YF92101	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 78	YF92102	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 79	YF92103	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 80	YF92104	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 81	YF92105	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 82	YF92106	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 83	YF92107	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	

Active	PIKE 84	YF92108	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 85	YF92109	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 86	YF92110	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 87	YF92111	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 88	YF92112	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 89	YF92113	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
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Active	PIKE 91	YF92115	2032-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 92	YF92116	2032-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 93	YF92117	2032-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 94	YF92118	2032-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 95	YF92119	2032-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 96	YF92120	2032-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 97	YF92121	2032-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 98	YF92122	2032-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 99	YF92123	2033-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 100	YF92124	2033-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
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Active	PIKE 102	YF92126	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 103	YF92127	2034-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 104	YF92128	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 105	YF92129	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 106	YF92130	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 107	YF92131	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 108	YF92132	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	

Active	PIKE 109	YF92133	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 110	YF92134	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 111	YF92135	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 112	YF92136	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 113	YF92137	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 114	YF92138	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 115	YF92139	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 116	YF92140	2033-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 117	YF92141	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 118	YF92142	2033-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 119	YF92143	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 120	YF92144	2033-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 121	YF92145	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 122	YF92146	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
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Active	PIKE 124	YF92148	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 125	YF92149	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 126	YF92150	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 127	YF92151	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 128	YF92152	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 129	YF92153	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 130	YF92154	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 131	YF92155	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 132	YF92156	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 133	YF92157	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	

Active	PIKE 134	YF92158	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 135	YF92159	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 136	YF92160	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 137	YF92161	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 138	YF92162	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 139	YF92163	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 140	YF92164	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 141	YF92165	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 142	YF92166	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
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Active	PIKE 152	YF92176	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 153	YF92177	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 154	YF92178	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 155	YF92179	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 156	YF92180	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 157	YF92181	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
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Active	PIKE 159	YF92183	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 160	YF92184	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 161	YF92185	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 162	YF92186	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 163	YF92187	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 164	YF92188	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
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Active	PIKE 170	YF92194	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 171	YF92195	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	
Active	PIKE 172	YF92196	2031-05-30	Ryan Burke - 100%	105D03	HW07841	Q2023_0069 - C1Q00536	

Criteria(s) used for search: Regulation type = Quartz, Claim status = Active, Mining district = Whitehorse, Owner last name = BURKE.

Total claims selected: 185

This claim status report has been generated using the mining claims database online application https://apps.gov.yk.ca/ymcs/ . This site uses a copy of the mining recorder data and is refreshed nightly. Contact the specific district for more information on a claim.

Dawson.mining@yukon.ca
867-993-5343

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867-996-2256

Watson.mining@yukon.ca
867-536-7366

Whitehorse.mining@yukon.ca
867-667-3190

Yukon

Claim Status report

2024-01-25 11:17 AM

Claim status	Claim name and number	Grant number	Claim expiry date	Claim owner	NTS Map	Grouping number	Notification Approval	Total Excess Credit
Active	LION 1	YF44866	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 2	YF44867	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 3	YF44868	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 4	YF44869	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 5	YF44870	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 6	YF44871	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 7	YF44872	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 8	YF44873	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 9	YF44874	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 10	YF44875	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 11	YF44876	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 12	YF44877	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 13	YF44878	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 14	YF44879	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 15	YF44880	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 16	YF44881	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 17	YF44882	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		
Active	LION 18	YF44883	2029-05-30	Transition Metals Corp - 100%	105D03	HW07841		

Criteria(s) used for search: Regulation type = Quartz, Claim status = Active, Mining district = Whitehorse, Owner company name = TRANSITION METALS CORP.

Total claims selected: 18

This claim status report has been generated using the mining claims database online application https://apps.gov.yk.ca/ymcs/ . This site uses a copy of the mining recorder data and is refreshed nightly. Contact the specific district for more information on a claim.

Dawson.mining@yukon.ca
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867-996-2256

Watson.mining@yukon.ca
867-536-7366

Whitehorse.mining@yukon.ca
867-667-3190

Appendix B

Sample Map

Property Showing
Rock Sample
Soil Sample
Claim Tenure

N

474000 475000 476000 477000 478000 479000 480000 481000 482000 483000 484000 485000

6665000 6664000 6663000 6662000 6661000 6660000 6659000 6658000

Squeaker
Repent
Confession
Nemean Lion
Minotaur
Hercules
Artemis
Hyperion
Upper Saddle
ACPb Zone
Middle Saddle
Silver Saddle
Cu-North
Pucker Zone
Bonanza
Cro
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Transition Metals

Pike Warden
2023 Exploration Work
Rock and Soil Samples

NAD 83 UTM Zone 8
1:14,500

January 2024

Appendix C

Sample Descriptions

SOIL SAMPLES													
Station	**Sample_ID**	**Workorder**	**Date**	**UTM_Zone**	**Easting**	**Northing**	**Elevation_m**	**Sample_Type**	**Depth_cm**	**Size**	**Moisture**	**Colour**	**Notes**
YY24501	YY24501	WH23210960	20-Jul-23	UTM NAD83 Z8N	477985	6661322	1625	Soil	20	Fine	Dry	Medium brown	Minor amount of thin roots but hard to go deeper due to rocks.
YY24502	YY24502	WH23210960	20-Jul-23	UTM NAD83 Z8N	477951	6661287	1633	Soil	35	Very fine		Lighter brown/green	
YY24503	YY24503	WH23210960	20-Jul-23	UTM NAD83 Z8N	477904	6661244	1642	Soil	15	Coarser grained dirt	Dry	Light brown	Rockier with pebbles
YY24504	YY24504	WH23210960	20-Jul-23	UTM NAD83 Z8N	477850	6661202	1654	Soil	35	Somewhat gravelly	Moist	Lighter brown	
YY24505	YY24505	WH23210960	20-Jul-23	UTM NAD83 Z8N	477804	6661151	1658	Soil	15	Gravelly	Dry	Light brown	No organics
YY24506	YY24506	WH23210960	20-Jul-23	UTM NAD83 Z8N	477766	6661111	1666	Soil	30	Quite fine not gravelly	Dry	Medium brown	"Soft and nice"
YY24507	YY24507	WH23210960	20-Jul-23	UTM NAD83 Z8N	477694	6661085	1674	Soil	25	Super gravelly	Very dry	Medium brown	
YY24508	YY24508	WH23210960	20-Jul-23	UTM NAD83 Z8N	477641	6661064	1682	Soil	35	Fine	Dry	Medium brown	
YY24509	YY24509	WH23210960	20-Jul-23	UTM NAD83 Z8N	477595	6661040	1683	Soil	40	Very fine	Very dry	Lighter creamier brown/green	
YY24510	YY24510	WH23210960	20-Jul-23	UTM NAD83 Z8N	477565	6660997	1686	Soil	25	Super fine, soft	Dry	Creamy brown	
YY24511	YY24511	WH23210960	20-Jul-23	UTM NAD83 Z8N	477526	6660969	1687	Soil	30	Super fine, soft	Dry	Medium brown	
YY24512	YY24512	WH23210960	20-Jul-23	UTM NAD83 Z8N	477482	6660962	1690	Soil	25	Fine with a few small rocks	Dry	Medium brown	
YY24513	YY24513	WH23210960	20-Jul-23	UTM NAD83 Z8N	477439	6660922	1692	Soil	25	Quite fine with some pebbles	Dry	Medium brown	
YY24514	YY24514	WH23210960	20-Jul-23	UTM NAD83 Z8N	477393	6660901	1699	Soil	20	Coarser grained, feels more sandy	Dry	Creamy brown	
YY24515	YY24515	WH23210960	20-Jul-23	UTM NAD83 Z8N	476882	6661488	1932	Soil	40	Coarse, gravelly	Quite moist/wet, not dry	Creamy brown	
YY24516	YY24516	WH23210960	20-Jul-23	UTM NAD83 Z8N	476953	6661420	1942	Soil	30	Gravelly	Moist	Greenish beige brown	
YY24517	YY24517	WH23210960	20-Jul-23	UTM NAD83 Z8N	477023	6661384	1949	Soil	15	Gravelly	Moist	Greenish beige brown	
YY24518	YY24518	WH23210960	21-Jul-23	UTM NAD83 Z8N	477895	6662536	1619	Soil	10	Super fine, soft	Very dry	Medium brown	

Station	Sample_ID	Workorder	Date	UTM_Zone	Easting	Northing	Elevation_m	Sample_Type	Depth_cm	Size	Moisture	Colour	Notes
YY24519	YY24519	WH23210960	21-Jul-23	UTM NAD83 Z8N	477929	6662560	1620	Soil	20	Fine with cobbles and pebbles			
YY24520	YY24520	WH23210960	21-Jul-23	UTM NAD83 Z8N	477981	6662565	1619	Soil	35	Very fine	Quite moist	Creamy brown	
YY24521	YY24521	WH23210960	21-Jul-23	UTM NAD83 Z8N	478035	6662525	1615	Soil	25	Super fine, soft	Dry	Medium brown	
YY24522	YY24522	WH23210960	22-Jul-23	UTM NAD83 Z8N	480041	6662049	1566	Soil	20	Fine	Dry	Light brown	
YY24523	YY24523	WH23210960	22-Jul-23	UTM NAD83 Z8N	480069	6662079	1569	Soil	30	Fine with tiny bits of gravel	Kind of moist	Medium brown	
YY24524	YY24524	WH23210960	22-Jul-23	UTM NAD83 Z8N	480109	6662144	1573	Soil	45	Fine	Dry	Lighter creamier brown	
YY24525	YY24525	WH23210960	22-Jul-23	UTM NAD83 Z8N	480153	6662213	1575	Soil	30	Fine	Kind of moist	Grey/light grey	
YY24526	YY24526	WH23210960	22-Jul-23	UTM NAD83 Z8N	480194	6662268	1578	Soil	35	Fine	Dry	Creamy brown	
YY24527	YY24527	WH23210960	22-Jul-23	UTM NAD83 Z8N	480243	6662358	1578	Soil	30	Fine	Dry	Light brown	
YY24528	YY24528	WH23210960	22-Jul-23	UTM NAD83 Z8N	480278	6662423	1589	Soil	30	Fine	Dry	Light brown	
YY24529	YY24529	WH23210960	22-Jul-23	UTM NAD83 Z8N	480325	6662490	1597	Soil	50	Fine	Dry	Light to medium brown	Some small thin roots
YY24530	YY24530	WH23210960	22-Jul-23	UTM NAD83 Z8N	480368	6662543	1604	Soil	35	Fine	Quite moist	Creamy brown	
YY24531	YY24531	WH23210960	22-Jul-23	UTM NAD83 Z8N	480429	6662619	1605	Soil	40	Not fine, somewhat gravelly	Moist	Dark brown	
YY24532	YY24532	WH23210960	22-Jul-23	UTM NAD83 Z8N	480484	6662693	1603	Soil	35	Quite fine with some gravel	Quite dry	Creamy beige brown	
YY24533	YY24533	WH23210960	22-Jul-23	UTM NAD83 Z8N	480515	6662768	1609	Soil	40	Fine	Dry	Light brown	Quite organic-y and not great soil
YY24534	YY24534	WH23210960	22-Jul-23	UTM NAD83 Z8N	480546	6662828	1612	Soil	25	Fine	Kind of moist	Creamy beige brown	
YY24535	YY24535	WH23210960	22-Jul-23	UTM NAD83 Z8N	480587	6662829	1601	Soil	25	Fine	Dry	Light brown	
YY24536	YY24536	WH23210960	22-Jul-23	UTM NAD83 Z8N	480693	6663029	1633	Soil	15	Fine	Quite dry	Medium brown	
YY24537	YY24537	WH23210960	22-Jul-23	UTM NAD83 Z8N	480729	6663025	1627	Soil	35	Gravelly, kind of coarse	Kind of moist	Beige	
YY24538	YY24538	WH23210960	22-Jul-23	UTM NAD83 Z8N	480750	6662999	1633	Soil	15	Kind of sandy and coarse	Dry	Beige	

Station	Sample_ID	Workorder	Date	UTM_Zone	Easting	Northing	Elevation_m	Sample_Type	Depth_cm	Size	Moisture	Colour	Notes
YY24539	YY24539	WH23210960	20-Jul-23	UTM NAD83 Z8N	477861	6661505		Soil		Fine		Buff	fg buff soil on talus slope 50m downslope from WHG outcrop
YY24540	YY24540	WH23210960	20-Jul-23	UTM NAD83 Z8N	477772	6661697		Soil					YY24540 - Talus fines. 99% barren looking WHG, 1% rusty frags with some QV
YY24541	YY24541	WH23210960	20-Jul-23	UTM NAD83 Z8N	477722	6661761		Soil					YY24541 - Talus fines downslope from rusty gabbro - Station JGC23-11
YY24542	YY24542	WH23210960	20-Jul-23	UTM NAD83 Z8N	477701	6661831		Soil					YY24542 - Talus fines. Mostly WHG with 5-10% rusty hornblende gabbro frags with trace Py
YY24543	YY24543	WH23210960	20-Jul-23	UTM NAD83 Z8N	477612	6661833		Soil					YY24543 - Talus fines from area with 5-10% rusty WHG quartz diorite
YY24544	YY24544	WH23210960	20-Jul-23	UTM NAD83 Z8N	477503	6661889		Soil					YY24544 - Talus fines - 90% WHG, 2-5% rusty WHG
YY24545	YY24545	WH23210960	20-Jul-23	UTM NAD83 Z8N	477440	6661895		Soil					YY24545 - 90% barren WHG, 5-10% rusty hornblend gabbro/ some pyroxenite
YY24546	YY24546	WH23210960	20-Jul-23	UTM NAD83 Z8N	477252	6661911		Soil					YY24546 - Talus fines taken from area near rusty QV
YY24547	YY24547	WH23210960	20-Jul-23	UTM NAD83 Z8N	477146	6661938		Soil					YY24547 - Talus fines below Rhyolite dyke
YY24548	YY24548	WH23210960	20-Jul-23	UTM NAD83 Z8N	476936	6662043		Soil					YY24548 - Talus fines - more rhyolite dyke material
YY24549	YY24549	WH23210960	21-Jul-23	UTM NAD83 Z8N	476003	6660955		Soil					Round mix.
YY24550	YY24550	WH23210960	21-Jul-23	UTM NAD83 Z8N	475974	6661000		Soil					Round mix.
YY24551	YY24551	WH23210960	21-Jul-23	UTM NAD83 Z8N	475942	6661040		Soil					Large rounded boulders, lighter brown soil.
YY24552	YY24552	WH23210960	21-Jul-23	UTM NAD83 Z8N	475915	6661090		Soil					Large rounded boulders.
YY24553	YY24553	WH23210960	21-Jul-23	UTM NAD83 Z8N	475893	6661133		Soil					Adjacent to angular boil

Station	Sample_ID	Workorder	Date	UTM_Zone	Easting	Northing	Elevation_m	Sample_Type	Depth_cm	Size	Moisture	Colour	Notes
YY24554	YY24554	WH23210960	21-Jul-23	UTM NAD83 Z8N	475880	6661180		Soil					Close to large angular boil
YY24555	YY24555	WH23210960	21-Jul-23	UTM NAD83 Z8N	475856	6661223		Soil					Round rocks.
YY24556	YY24556	WH23210960	21-Jul-23	UTM NAD83 Z8N	475836	6661273		Soil					Fine light brown soil with large round boulders.
YY24557	YY24557	WH23210960	21-Jul-23	UTM NAD83 Z8N	475810	6661328		Soil					Round rocks.
YY24558	YY24558	WH23210960	21-Jul-23	UTM NAD83 Z8N	475787	6661375		Soil					Round rocks.
YY24559	YY24559	WH23210960	21-Jul-23	UTM NAD83 Z8N	475772	6661429		Soil					Adjacent to rusty looking rocks.
YY24560	YY24560	WH23210960	21-Jul-23	UTM NAD83 Z8N	475756	6661489		Soil					Round rocks.
YY24561	YY24561	WH23210960	21-Jul-23	UTM NAD83 Z8N	475742	6661541		Soil					Round rocks.
YY24562	YY24562	WH23210960	21-Jul-23	UTM NAD83 Z8N	475721	6661589		Soil					Round rocks.
YY24563	YY24563	WH23210960	21-Jul-23	UTM NAD83 Z8N	475699	6661640		Soil					Some small orange rocks.
YY24564	YY24564	WH23210960	21-Jul-23	UTM NAD83 Z8N	475674	6661687		Soil					Orange streaks in dirt, occasional orange rocks.
YY24565	YY24565	WH23210960	21-Jul-23	UTM NAD83 Z8N	475653	6661739		Soil					Orange soil, some orange rocks.
YY24864	YY24864	WH23210960	21-Jul-23	UTM NAD83 Z8N	475632	6661786		Soil					Round rocks.
YY24865	YY24865	WH23210960	21-Jul-23	UTM NAD83 Z8N	475610	6661837		Soil					Round rocks.
YY24866	YY24866	WH23210960	21-Jul-23	UTM NAD83 Z8N	475588	6661887		Soil					Mix of round and angular rocks in clusters.
YY24867	YY24867	WH23210960	21-Jul-23	UTM NAD83 Z8N	475571	6661937		Soil					Mossy, round rocks.
YY24868	YY24868	WH23210960	21-Jul-23	UTM NAD83 Z8N	475548	6661983		Soil					Angular and round mix.
YY24869	YY24869	WH23210960	21-Jul-23	UTM NAD83 Z8N	475523	6662027		Soil					Some orange rocks.
YY24870	YY24870	WH23210960	21-Jul-23	UTM NAD83 Z8N	475500	6662074		Soil					Angular and round mix.
YY24871	YY24871	WH23210960	21-Jul-23	UTM NAD83 Z8N	475472	6662117		Soil					On small patch of orange rocks, beside boulder boil.
YY24872	YY24872	WH23210960	21-Jul-23	UTM NAD83 Z8N	475439	6662163		Soil					Round rocks.

Station	Sample_ID	Workorder	Date	UTM_Zone	Easting	Northing	Elevation_m	Sample_Type	Depth_cm	Size	Moisture	Colour	Notes
YY24873	YY24873	WH23210960	21-Jul-23	UTM NAD83 Z8N	475420	6662199		Soil					Orange rocks.
YY24874	YY24874	WH23210960	23-Jul-23	UTM NAD83 Z8N	477917	6661518		Soil	35	Gravelly		Grey brown	
YY24875	YY24875	WH23210960	23-Jul-23	UTM NAD83 Z8N	477937	6661464		Soil	30	Coarse	Moist	Medium brown	
YY24876	YY24876	WH23210960	23-Jul-23	UTM NAD83 Z8N	477989	6661429		Soil	25	Coarse	Wet	Cream/light brown	
YY24877	YY24877	WH23210960	23-Jul-23	UTM NAD83 Z8N	478001	6661376		Soil	35	Fine		Light brown	
YY24878	YY24878	WH23210960	23-Jul-23	UTM NAD83 Z8N	478042	6661326		Soil	35	Gravelly	Moist	Beige	
YY24879	YY24879	WH23210960	23-Jul-23	UTM NAD83 Z8N	478127	6661292		Soil	35	Fine	Moist	Medium brown	
YY24880	YY24880	WH23210960	23-Jul-23	UTM NAD83 Z8N	478196	6661285		Soil	45	Fine	Moist	Medium brown	
YY24881	YY24881	WH23210960	23-Jul-23	UTM NAD83 Z8N	478250	6661248		Soil	15	Fine with some gravel	Moist	Rusty brown	
YY24882	YY24882	WH23210960	23-Jul-23	UTM NAD83 Z8N	478325	6661253		Soil	45	Coarse	Damp	Medium brown	
YY24883	YY24883	WH23210960	23-Jul-23	UTM NAD83 Z8N	478398	6661226		Soil	40	Coarse	Moist	Beige	
YY24884	YY24884	WH23210960	23-Jul-23	UTM NAD83 Z8N	478456	6661212		Soil	30	Fine	Moist	Medium brown	
YY24885	YY24885	WH23210960	23-Jul-23	UTM NAD83 Z8N	478516	6661211		Soil	25	Gravelly	Damp	Dark brown	
YY24886	YY24886	WH23210960	23-Jul-23	UTM NAD83 Z8N	478572	6661228		Soil	30	Gravelly	Moist	Beige	
YY24887	YY24887	WH23210960	23-Jul-23	UTM NAD83 Z8N	478625	6661236		Soil	30	Sandy, clay	Moist	Grey	
YY24888	YY24888	WH23210960	23-Jul-23	UTM NAD83 Z8N	478677	6661259		Soil	25	Fine	Damp	Dark brown	
YY24889	YY24889	WH23210960	23-Jul-23	UTM NAD83 Z8N	478743	6661285		Soil	30	Gravelly	Moist	Grey	
YY24890	YY24890	WH23210960	23-Jul-23	UTM NAD83 Z8N	478798	6661319		Soil	20	Clay like	Wet	Beige	
YY24891	YY24891	WH23210960	23-Jul-23	UTM NAD83 Z8N	478829	6661395		Soil	20	Fine	Dry	Medium brown	
YY24892	YY24892	WH23210960	23-Jul-23	UTM NAD83 Z8N	478873	6661453		Soil	30	Very fine	Dry	Light brown	
YY24893	YY24893	WH23210960	23-Jul-23	UTM NAD83 Z8N	478911	6661494		Soil	20		Damp	Medium brown	
YY24894	YY24894	WH23210960	23-Jul-23	UTM NAD83 Z8N	478962	6661508		Soil	30	Gravelly	Moist	Medium brown	

Station	Sample_ID	Workorder	Date	UTM_Zone	Easting	Northing	Elevation_m	Sample_Type	Depth_cm	Size	Moisture	Colour	Notes
YY24895	YY24895	WH23210960	23-Jul-23	UTM NAD83 Z8N	479013	6661527		Soil	20	Coarse	Damp	Beige	
YY24896	YY24896	WH23210960	23-Jul-23	UTM NAD83 Z8N	479092	6661544		Soil	30	Coarse	Moist	Medium brown	
YY24897	YY24897	WH23210960	23-Jul-23	UTM NAD83 Z8N	479149	6661529		Soil	30	Fine	Dry	Light to medium brown	
YY24898	YY24898	WH23210960	23-Jul-23	UTM NAD83 Z8N	479203	6661515		Soil	40	Fine	Moist	Beige	
YY24899	YY24899	WH23210960	23-Jul-23	UTM NAD83 Z8N	479248	6661540		Soil	30	Coarse but clay like	Wet	Beige	
YY24900	YY24900	WH23210960	23-Jul-23	UTM NAD83 Z8N	477836	6662513		Soil	25	Fine	Moist	Medium brown	
YY24901	YY24901	WH23210960	23-Jul-23	UTM NAD83 Z8N	477791	6662482		Soil	20	Very fine	Dry	Beige	
YY24902	YY24902	WH23210960	23-Jul-23	UTM NAD83 Z8N	477746	6662446		Soil	35	Fine	Moist	Light brown	
YY24903	YY24903	WH23210960	23-Jul-23	UTM NAD83 Z8N	477688	6662428		Soil	20	Gravelly	Moist	Dark brown	
YY24904	YY24904	WH23210960	23-Jul-23	UTM NAD83 Z8N	477629	6662400		Soil	20	Fine	Dry	Medium brown	
YY24905	YY24905	WH23210960	23-Jul-23	UTM NAD83 Z8N	477568	6662390		Soil	25	Coarse	Dry	Dark brown	
YY24906	YY24906	WH23210960	23-Jul-23	UTM NAD83 Z8N	477508	6662354		Soil	25	Coarse and rocky	Dry	Medium brown	
YY24907	YY24907	WH23210960	23-Jul-23	UTM NAD83 Z8N	477462	6662334		Soil	25	Coarse	Dry	Medium brown	

ROCK SAMPLES														
Sample_ID	Station	Workorder	Date	UTM Zone	Easting	Northing	Elevation (m)	Sample_Type	Lithology	Lith_Notes	Alteration_Notes	Vein_Notes	Mineralization_Notes	Structural
D939451	23SR078	WH23210952	2023-07-19	UTM NAD83 Z8N	477716	6659548	1776	Float	Intermediate volcanic	Boulder. Offset in banding/peprite dikes (?) visible along with round to subrounded clasts. Non magnetic. Lighter brown banding that is swirly and almost boudinaged sort of texture but not sausage links yet. Muddy volcanoclastic. Quite siliceous. Float chunks. ERT style volcanics.	Rusty!		Very fine grained grey sulfides.	
D939452	23SR079	WH23210952	2023-07-19	UTM NAD83 Z8N	477710	6659547	1776	Float	Intermediate volcanic	Brecciated quartz carbonate vein with vuggy terminating quartz crystals. Unlike anything seen yet on the property. Hosted in dark fine grained presumed volcanic rock, some volcanic fragments present in vein. Looks like an epithermal style vein.		Brecciated quartz carbonate vein with vuggy terminating quartz crystals.	Trace very fine grained disseminated sulfides.	
D939453	YY24510A	WH23210952	2023-07-20	UTM NAD83 Z8N	477565	6660997	1686	Float	Quartz vein	Vuggy brecciated quartz carbonate vein. Druzy quartz crystals within the vein are stained brown (limonite coating?).	Minor feldspar/potassic alteration and some weak clay alteration along the weathered surface along the vein margin.			
D939454	23SR085	WH23210952	2023-07-21	UTM NAD83 Z8N	477141	6662826	1798	Grab	Rhyolite	Outcrop. Buff coloured rhyolite dike in the V-shaped gulley. Outcrop about 5m wide and 2m high. Blocky and jointed. Weathered surface is pale orange to peach to tan, fresh surface is tan. Very fine grained to almost aphanitic in spots. Non magnetic.	Hematite staining/oxidation along fracture planes.		Most sulfides look like they've oxidized out, but there is some very fine grained sulfides, mainly pyrite with a very fine grained patch of a more silvery looking mineral. Trace amounts of sulfides in total.	
D939455	23SRS093	WH23210952	2023-07-21	UTM NAD83 Z8N	477881	6662833	1782	Grab	Mafic volcanic	Dike, mafic volcanic. Outcrop about 1m wide, sitcking out of the grass. Fine grained. Weathered surface is medium grey green and fresh surface is the same if slightly lighter in colour. Moderate pervasive magnetism.	Minor chlorite alteration, possible minor sericite alteration. Weak hematite staining along fractures.		Trace very fine to fine grained disseminated sulfides, appears to be pyrite.	
D939456	23SR094	WH23210952	2023-07-22	UTM NAD83 Z8N	480037	6662042	1565	Grab	Biotite hornblende quartz diorite	Outcrop. Mishmash of Whitehorse group that is coarse grained and phases of different grain size. Looks like the fine grained phase that is somewhat porphyritic (coarse grained feldspars), which got intruded by a later (?) coarse grained phase. Fine grained phase has a weathered surface that is light green grey brown and the fresh surface is a light grey green. Fine grained phase has moderate to strong pervasive magnetism. Coarse grained phase has strong patchy magnetism.	Chlorite alteration and weak epidote alteration in the coarse grained material.		Both phases have trace very fine grained pyrite, sometimes euhedral.	
D939457	YY24523A	WH23210952	2023-07-22	UTM NAD83 Z8N	480069	6662079	1569	Grab	Biotite quartz diorite	Whitehorse group. Weathered surface is green brown light grey and fresh is tan to light grey. Medium grained. Jointed/fractured outcrop. Weak patchy magnetism.	Feldspars are showing peachy alteration (sericite/clay?). Not much if any epidote alteration. Weak hematite staining on fractures. Minor potassic alteration.		Trace oxidized fine grained sulfides, pyrite.	

Sample_ID	Station	Workorder	Date	UTM Zone	Easting	Northing	Elevation (m)	Sample_Type	Lithology	Lith_Notes	Alteration_Notes	Vein_Notes	Mineralization_Notes	Structural
D939458	23SR096	WH23210952	2023-07-22	UTM NAD83 Z8N	480364	6662539	1602	Float	Rhyolite	Very rusty/orange float chunk of felsic (but possibly intermediate?) volcanic. Fine grained. Weathered surface is orange and the fresh surface is medium grey green. Non magnetic.			Trace very fine to fine grained sulfides, mainly pyrite, some are oxidized.	
D939459	23SR098A	WH23210952	2023-07-22	UTM NAD83 Z8N	480434	6662626	1602	Float	Quartz vein			Crack seal texture quartz carbonate vein float. Carbonate rich with orange stringers cutting through. Silvery metallic mineral within white quartz sections, fine grained, flaky disseminated, trace to 1%. Clay/sericite alteration along fractures plus hematite staining.\		
D939460	23SR098B	WH23210952	2023-07-22	UTM NAD83 Z8N	480433	6662627	1602	Float	Quartz vein			Brecciated quartz carbonate vein float. Rusty/oxidized with hematite staining on the weathered surface. Crack seal/fractured texture? 1-2% sulfides in vein in semi massive to blebby patches. Pyrite with trace chalcopyrite. Pyrite is subhedral and cubic.		
D939461	23SR099	WH23210952	2023-07-22	UTM NAD83 Z8N	480469	6662559	1641	Grab	Rhyolite	Rhyolite dike? Subcrop/outcrop within a talus slope. Weathered surface is orange to brown, fresh surface is medium grey brown.	Patchy hematite staining on weathered surface and on fractures. Some clay alteration as well. Possible chlorite alteration?	Stringer of quartz carbonate vein, crack seal, no apparent mineralization, pinches out.	Trace euhedral to subhedral pyrite.	
D939462	23SR100	WH23210952	2023-07-22	UTM NAD83 Z8N	480469	6662570	1639	Float	Quartz vein			Rusty quartz carbonate vein float, with oxidized sulfides (mainly pyrite).		
D939463	23SR104	WH23210952	2023-07-23	UTM NAD83 Z8N	476768	6659746	1636	Float	Granodiorite			20cm quartz vein with potential feldspar? Also contains epidote, chlorite, hematite staining. Possible magnetite. Silvery metallic strongly magnetic mineral. Boulder as a whole is non magnetic.		
D939464	23SR105	WH23210952	2023-07-23	UTM NAD83 Z8N	476124	6659986	1508	Float	Quartz diorite	Whitehorse quartz diorite, rusty and medium grained. Talus grab, best mineralized stuff seen so far. Rest of boulder field is not mineralized at all or to that degree.	Heavy quartz epidote alteration and strong hematite staining.		2-4% fine grained disseminated sulfides (pyrite).	

Sample_ID	Station	Workorder	Date	UTM Zone	Easting	Northing	Elevation (m)	Sample_Type	Lithology	Lith_Notes	Alteration_Notes	Vein_Notes	Mineralization_Notes	Structural
D939465	23SR106	WH23210952	2023-07-23	UTM NAD83 Z8N	475920	6660037	1485	Float	Intermediate volcanic	Boulder talus grab from below a rusty dike in outcrop above. Boulder is dense, has weight to it, sooty black appearance - likely an ERT volcanic? Highly siliceous. Rusty boulder in a boulder field of Whitehorse group. None other like it. Non magnetic. The Whitehorse group rocks around in the talus field have some 5-10cm wide almost pegmatitic quartz feldspar veins/melts but don't appear to have any mineralization or sulfides, one or two had weak hematite staining or oxidation but nothing significant.	Lots of orange oxidation and purpley red hematite staining. Sericite/clay alteration and chlorite alteration.		2-3% fine grained to very fine grained disseminated sulfide, looks like mainly pyrite, fracture controlled.	
D939466	23SR107	WH23210952	2023-07-26	UTM NAD83 Z8N	478381	6658698	1912	Grab	Felsic volcanic	Outcrop grab. Brecciated, highly silicified felsic/maybe intermediate volcanic. Purpley dark grey weathered surface and dark grey fresh surface. Non magnetic.	Highly silicified. Rusty/gossanous patches on weathered surface.	Quartz breccia veins within, some carbonate material.	Trace to 1% fine grained to very fine grained disseminated pyrite.	
D939467	23SR108	WH23210952	2023-07-26	UTM NAD83 Z8N	478345	6658689	1914	Grab	Schist	Subcrop/outcrop grab. Quartz vein in schist (?). Schist is non magnetic. Or is it very foliated rhyolite?? Unsure		25cm wide/thick quartz vein. Looks somewhat barren, no visible sulfides. There is oxidation along margins and the fracture planes in the vein.		
D939468	23SR109	WH23210952	2023-07-26	UTM NAD83 Z8N	478209	6658696	1926	Grab	Mafic dike	Outcrop. Gossanous mafic dike approximately 1.5-2m wide off claims. Intruding into flow banded rhyolite, which has the flow banding perpendicular to the dike. Fresh surface is gossanous to grey. Dike seems to continue both up and down the slope but is undulating.			Semi massive to disseminate pyrite, especially along fracture planes, 1-2% total.	Dike [335/45]
D939469	23SR110	WH23210952	2023-07-26	UTM NAD83 Z8N	478094	6658693	1942	Grab	Rhyolite	Outcrop. Gossanous flow banded rhyolite dike with fractured surface.	Clay/sericite alteration present plus oxidation on weathered surface. Gossanous areas are somewhat patchy and you can see the grey flow banded areas as well. Strong hematite/oxidation on fracture planes.	2-3mm wide stringer of quartz carbonate.	Trace very fine grained sulfides (pyrite).	
D939470	23SR111	WH23210952	2023-07-26	UTM NAD83 Z8N	478072	6658689	1940	Grab	Rhyolite	Outcrop. Flow banded, highly silicified rhyolite/potentially intermediate volanic. Some spots and chunks look almost schisty with mica (biotite) - so maybe the gabbroic phase of WHG? Non magnetic.	Strong to moderate oxidation and hematite staining along fractures.	Trace very fine to fine grained disseminated pyrite that is subhedral cubic.		
D939471	23SR112	WH23210952	2023-07-26	UTM NAD83 Z8N	478042	6658693	1953	Grab	Felsic volcanic	Intermediate or felsic volcanic that is somewhat flowbanded. Weathered surface is medium grey to rusty.		Quartz veining throughout some areas of the outcrop. Some hematite staining along veins but no visible mineralization within the veins. Quartz vein sampled is 20cm wide but pinches out.	Trace to 2% fine grained pyrite, associated with oxdiation and hematite staining.	

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D939472	23SR113	WH23210952	2023-07-26	UTM NAD83 Z8N	478023	6658729	1977	Grab	Schist	Outcrop. Host rock looks like a schist but maybe is that very foliated gabbro/volcanic? Unsure.		Absolute UNIT of a quartz vein, over 1 metre wide. Whole face of outcrop. Rusty patches especially along fractures. No visible sulfides inside. Bull white to more translucent in colour. Some vuggy patches where there are terminating quartz crystals but they are small vugs.		
D939473	23SR114	WH23210952	2023-07-26	UTM NAD83 Z8N	477982	6658761	2018	Grab	Rhyolite	Outcrop. Feldspar porphyritic. QFP/Rhyolite? Weathered surface is rusty to medium/light grey green, much more green than other stations. Coarse grained feldspars. Non magnetic.	Oxidation is orange to dark red.		No visible sulfides but quite gossanous.	
D939474	23SR115	WH23210952	2023-07-26	UTM NAD83 Z8N	477995	6658751	2004	Float	Quartz vein	Quartz carbonate vein hosted in ERT volcanics?		Quartz carbonate vein float, strong oxidation, with minor sericite/clay alteration too.		
D939475	23SR116	WH23210952	2023-07-26	UTM NAD83 Z8N	478492	6658703	1927	Float	Gabbro	Porphyritic gabbro ? With feldspar phenocrysts. Feldspars are stained orange. Variable grain size from fine grained groundmass to coarse grained feldspars.	Strong oxidation on fractures.		Trace to 1% very fine grained silvery sulfides.	
D939476	23SR119	WH23210952	2023-07-26	UTM NAD83 Z8N	478947	6658714	1914	Float	Intermediate volcanic	Strongly oxidized/gossanous medium grey volcanic float that is very fine grained to aphanitic.		Minor quartz carbonate stringers.		
D939477	23SR120	WH23210952	2023-07-26	UTM NAD83 Z8N	482451	6663235	2070	Float	Quartz vein	Vuggy quartz vein float - Sarah Showing. No visible veining in outcrop nearby.	Rusty, oxidized but not super gossanous.		5% sulfides - massive galena, minor chalcopyrite and pyrite.	
D939478	23SR121	WH23210952	2023-07-26	UTM NAD83 Z8N	482457	6663237	2071	Float	Quartz vein	Vuggy oxidized quartz vein float.	Lots of orange oxidation and hematite staining especially along fractures.	Vuggy oxidized quartz vein float, mainly terminating quartz crystals along surfaces up to 2-3cm long.	Blebby galena, 2%.	
D939479	23SR123	WH23210952	2023-07-26	UTM NAD83 Z8N	482461	6663232	2073	Float	Quartz vein	Vuggy oxidized quartz carbonate vein float.	Malachite and azurite staining.	Terminating quartz crystals up to 2-3cm long.	2-3% sulfides, semi massive galena plus malachite and azurite staining.	
D939480	23SR124	WH23210952	2023-07-26	UTM NAD83 Z8N	482462	6663232	2066	Float	Quartz vein	Vuggy oxidized quartz carbonate vein float.		Terminating quartz crystals up to 2-3cm long.	5% massive galena, trace pyrite +/- another very fine grained sulfide? Malachite and azurite staining.	
D939481	23SR125	WH23210952	2023-07-27	UTM NAD83 Z8N	482471	6663231	2074	Float	Quartz vein	Rusty/oxidized quartz vein float.		Quartz carbonate vein float, vuggy with large terminating quartz crystals. No visible sulfides but appears to be a continuation of the trend/Sarah's showing.		
D939482	23SR126	WH23210952	2023-07-27	UTM NAD83 Z8N	482478	6663231	2073	Float	Quartz vein	Rusty/oxidized quartz vein float.		Quartz carbonate vein float, vuggy, terminating quartz crystals. Crack seal/layered texture with lots of orange oxidation.	1-2% blebby or fine to medium grained galena.	

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D939483	23SR127	WH23210952	2023-07-27	UTM NAD83 Z8N	482484	6663227	2072	Float	Quartz vein	Rusty/oxidized quartz vein float.		Quartz carbonate vein float. Vuggy, terminating quartz crystals, lots of orange oxidation and hematite staining but no apparent sulfides.		
D939484	23SR128	WH23210952	2023-07-27	UTM NAD83 Z8N	482493	6663224	2070	Float	Quartz vein	Rusty/oxidized quartz vein float.		Quartz carbonate vein float. Vuggy, terminating quartz crystals, lots of orange oxidation and hematite staining but no apparent sulfides.		
D939485	23SR129	WH23210952	2023-07-27	UTM NAD83 Z8N	482484	6663231	2074	Float	Quartz vein	Rusty/oxidized quartz vein float.		Vuggy quartz vein float, terminating quartz crystals.	1-2% semi massive galena.	
D939488	23SR132	WH23210952	2023-07-27	UTM NAD83 Z8N	482854	6663336	1982	Float	Quartz vein	Subcrop float sample. Rusty quartz vein.		Rusty quartz vein float, strong orange oxidation, vuggy, rusty sulfides.		
D939489	23SR136	WH23210952	2023-07-27	UTM NAD83 Z8N	482569	6662651	1790	Grab	Granodiorite	Unsure of lithology, appears very altered. Seems schisty/foliated, especially along fracture planes? Buff coloured outcrop along scree slopes.	Sericite alteration, hematite staining, orange oxidation, chlorite alteration, carbonate altered.		No apparent mineralization.	
D939490	23SR142	WH23210952	2023-07-27	UTM NAD83 Z8N	482464	6662504	1757	Float	Quartz vein	Large chunk of rusty quartz vein float. 30 by 50 cm buried in scree/talus slope below jaggedy outcroppings.			No visible sulfides but very orange from oxidation.	
D939491	JGC23-100	WH23210952	2023-07-27	UTM NAD83 Z8N	482389	6662616		Grab	Gabbro	Rusty quartz vein hosting fracture controlled Py in sheared and sericitized gabbro. Host rock is moderatley carbonatized.		10cm wide qtz/chl vein with minor fracture controlled Py	fracture controlled Py ass with veining, Tr Diss Py	
D939492	JGC23-101	WH23210952	2023-07-27	UTM NAD83 Z8N	482403	6662621		Grab	Gabbro	Buff-yellow, strongly sercitized gabbri invaded by qtz/carb veninng hosting Tr diss Py		10-15% qtz/veinlets	Tr Diss Py	
D939493	JGC23-102	WH23210952	2023-07-27	UTM NAD83 Z8N	482540	6662517		Float	Quartz Vein	Rusty vein fragments in Talus hosting 2-5% fracture controlled-diss Py			2-5% Py	
E812051	E812051	WH23210952		UTM NAD83 Z8N	479167	6661220	1660	Grab	Quartz diorite	Cu North showing; semi-massive to stringers and disseminated py, cpy within qtz diorite cut by thin 1-4 mm wide qtz, ep, chl veins along fractures;		thin 1-4mm wide quartz, epidote, chlorite veins along fractures	Semi massive to stringers and disseminated pyrite and chalcopyrite	
E812052	E812052	WH23210952		UTM NAD83 Z8N	479431	6660856	1685	Float	Quartz vein	5 to 10 cm banded qtz vein with bands defined by limonite coated fractures within vein; developed within qtz diorite; blebby and patches of py with minor magnetite		5 to 10 cm banded qtz vein with bands defined by limonite coated fractures within vein; developed within qtz diorite; blebby and patches of py with minor magnetite		
E812053	E812053	WH23210952		UTM NAD83 Z8N	479621	6660590	1699	Float	Quartz diorite	Large qtz vein float train in talus of qtz diorite; qtz fragments are white to light grey, vuggy with limonite coated fractures; disseminated py and minor cpy; vugs are coated with limonite and minor py and manganese		Large qtz vein float train in talus of qtz diorite; qtz fragments are white to light grey, vuggy with limonite coated fractures; disseminated py and minor cpy; vugs are coated with limonite and minor py and manganese		

Sample_ID	Station	Workorder	Date	UTM Zone	Easting	Northing	Elevation (m)	Sample_Type	Lithology	Lith_Notes	Alteration_Notes	Vein_Notes	Mineralization_Notes	Structural
E812054	E812054	WH23210952		UTM NAD83 Z8N	479014	6659627	1945	Grab	Rhyolite	30 to 60 cm wide qutz vein, white to orange weathered; found within grey flow banded rhyolite; seams and fragments of wall rock in vein parallel to walls of vein; minor disseminated py +/- aspy with small patched of scorodite and hematite; pitted, vuggy texture locally found within the vein		30 to 60 cm wide qutz vein, white to orange weathered; found within grey flow banded rhyolite; seams and fragments of wall rock in vein parallel to walls of vein; minor disseminated py +/- aspy with small patched of scorodite and hematite; pitted, vuggy texture locally found within the vein		
E812055	E812055	WH23210952		UTM NAD83 Z8N	479002	6659603	1954	Grab	Rhyolite	Brecciated and altered, dark grey, rhyolite; zone of brecciation at least 2m wide, disseminated fine-grained sulphides (py+/- aspy); qtz vein fragments common in breccia; matrix of breccia is locally black and sooty in appearance; abundant sericite; looks a little like the ERT zone	Abundant sericite alteration.		Disseminated fine grained pyrite +/- arsenopyrite	
E812056	E812056	WH23210952		UTM NAD83 Z8N	481412	6662660	1818	Grab	Rhyolite	10x5 cm pods of quartz vein and with patches and disseminated py +/- aspy; pods are developed within altered and fractured rhyolite dyke within a larger fault zone; zone is 272/88			Disseminated fine grained pyrite +/- arsenopyrite	Fault zone [272/88]
E812057	E812057	WH23210952		UTM NAD83 Z8N	481393	6661862	1972	Grab	Biotite granodiorite	Fracture zone developed within bt granodiorite with thin quartz pyrite veins that 'blow-out' into pods about 10 cm wide; disseminated and blebby patches of py +/- aspy; zone orientation 285/80		Thin quartz pyrite veins that 'blow-out' into pods about 10 cm wide; disseminated and blebby patches of py +/- aspy; zone orientation 285/80		Fracture zone [285/80]
E812058	E812058	WH23210952		UTM NAD83 Z8N	480718	6662587	1746	Float	Granodiorite	Float sample of highly altered and silicified granodiorite with patches and seams of sulphide (py +/- aspy)	Highly altered and silicified.		Patches and seams of sulfides (py +/- aspy)	
E812059	E812059	WH23210952		UTM NAD83 Z8N	480719	6661913	1876	Float	Quartz vein	Large 25x35 cm qtz vein fragment in talus float; banded light and dark grey qtz; locally vuggy with vugs coated with limonite; disseminated py +/- aspy especially within the grey bands		Large 25x35 cm qtz vein fragment in talus float; banded light and dark grey qtz; locally vuggy with vugs coated with limonite; disseminated py +/- aspy especially within the grey bands		
E812060	E812060	WH23210952		UTM NAD83 Z8N	480428	6662086	1721	Grab	Granodiorite	20 to 40 cm wide quartz vein developed within granodiorite, near the contact with a large rhyolite dyke; vein is rusty on weathered surface; py with minor aspy devloped along cracks and fractures within the vein; orientation of vein 074/80		20 to 40 cm wide quartz vein developed within granodiorite, near the contact with a large rhyolite dyke; vein is rusty on weathered surface; py with minor aspy devloped along cracks and fractures within the vein; orientation of vein 074/80		Vein [074/80]

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E812061	E812061	WH23210952		UTM NAD83 Z8N	480449	6662089	1737	Grab	Granodiorite	Banded qtz vein 10-15cm wide; bands separated by limonite coated fractures and seams of pyrite; blebby, patchy and disseminated py, aspy, galena and minor cpy; found within granodiorite near the contact with rhyolite dyke; orientation of vein 075/88		Banded qtz vein 10-15cm wide; bands separated by limonite coated fractures and seams of pyrite; blebby, patchy and disseminated py, aspy, galena and minor cpy; found within granodiorite near the contact with rhyolite dyke; orientation of vein 075/88		Vein [075/88]
E813107	E813107	WH23210952		UTM NAD83 Z8N	479643	6660577	1705	Grab	Quartz diorite	Sample taken from a quartz epidote vein in a quartz dirorite outcrop. The vein was oxidized with rusty color, epidote quartz vein along a fracture zone in the outcrop. Pyrite found in epidote vein in disseminated form (powdery green with pyrite throughout). Some other pyrite sporadic crystals found throughout the sample.		Sample taken from a quartz epidote vein in a quartz dirorite outcrop. The vein was oxidized with rusty color, epidote quartz vein along a fracture zone in the outcrop. Pyrite found in epidote vein in disseminated form (powdery green with pyrite throughout). Some other pyrite sporadic crystals found throughout the sample.		
E813108	E813108	WH23210952		UTM NAD83 Z8N	479007	6659606	1964	Grab	Rhyolite	Sample taken from a 10 to12cm quartz vein with rusty patches of oxidation in a banded rhyolite outcrop. The outcrop is dark grey with inconsistent banding pattern, very fine grained and hard. The contact between the quartz vein and the outcrop seemed to be where the rusty oxidation could be found which was sampled. Mineralization present consisted of disseminated pyrite, arsenopyrite and dark durgandy vuggy sections.		10-12cm quartz vein with rusty patches of oxidation. Mineralization present consisted of disseminated pyrite, arsenopyrite, and dark burgundy vuggy sections.		
E813109	E813109	WH23210952		UTM NAD83 Z8N	481453	6662251	1837	Grab	Quartz vein	15cm altered quartz vein (080/68). Rusty orange, yellow, burgandy, oxidation patterns. Cavities infilled with pyrite crystals and disseminated pyrite throughout the quartz vein.		15cm altered quartz vein (080/68). Rusty orange, yellow, burgandy, oxidation patterns. Cavities infilled with pyrite crystals and disseminated pyrite throughout the quartz vein.		Vein [080/68]
E813110	E813110	WH23210952		UTM NAD83 Z8N	481433	6661987	1917	Grab	Granodiorite	Medium to fine grained rusty oxidized granodiorite subcrop in boulder field about 25m below outcrop. Alteration ranges from orange, yellow, to red. Oxidation is prominently on weathered surface, infilling hairline fracture zones. Cavities present which are infilled with very fine grained pyrite.				

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E813111	E813111	WH23210952		UTM NAD83 Z8N	480454	6662554	1642	Float	Rhyolite	Float sample, weathered surface is beige, very fine grained, quartz dominant, and hard to break. Quartz altered rhyolite with well formed pyrite and traces of arsenopyrite. Rusty patches are present and limonite is infilling the fractures throughout the rock.	Limonite infilling fractures throughout the rock.			Well formed pyrite and traces of arsenopyrite.
E813112	E813112	WH23210952		UTM NAD83 Z8N	480759	6662601	1791	Grab	Quartz feldspar granodiorite	Sample taken from subcrop outcrop in rusty colored talus slope. Coarse grained limonite altered quartz feldspar granodiorite, no biotite or hornblended present has been replaced by the limonite. Powdery pale yellow to orange limonite alteration, very hard to break, very minimal flecks of pyrite, blotchy manganese throughout the rock sample.	Limonite alteration.			
E813113	E813113	WH23210952		UTM NAD83 Z8N	480751	6661963	1921	Float		Sample taken from a float train. Very oxidized ranging in color from pale yellow, orange, red to burgandy patches. Mineralization present in the form of well formed pyrite in cavities. Very few specs of galena also spotted.				
E813114	E813114	WH23210952		UTM NAD83 Z8N	480446	6662086	1740	Grab	Biotite hornblende granodiorite	Sample taken from outcrop. An 8cm oxidized rusty quartz vein going through a coarse grained biotite and hornblende granodiorite outcrop. Quartz vein has a rusty weathered surface, fresh surface also has some oxidation along with mineralization in the form of blotches of galena, chalcopyrite, pyrite, arsenopyrite and likely manganese		Sample taken from outcrop. An 8cm oxidized rusty quartz vein going through a coarse grained biotite and hornblende granodiorite outcrop. Quartz vein has a rusty weathered surface, fresh surface also has some oxidation along with mineralization in the form of blotches of galena, chalcopyrite, pyrite, arsenopyrite and likely manganese		
H515201	JGC23-02	WH23210952	2023-07-19	UTM NAD83 Z8N	477765	6659552		Float	Schist	Talus grab.Rusty sample with QV - possibly from Nisling group schists		Rusty quartz vein	Trace pyrite	
H515202	JGC23-03	WH23210952	2023-07-19	UTM NAD83 Z8N	477761	6659538		Float	Rhyolite	Talus grab. Large block of flow banded and fragmental volcaniclastics with black sooty staining that looks similar to that observed at ERT			Fine grained disseminated pyrite	
H515204	JGC23-06	WH23210952	2020-07-23	UTM NAD83 Z8N	477937	6661425		Grab	Amphibole gabbro	Medium grained non magnetic Whitehorse group intruded by dike oriented 180/-80. 60% plag, 40% amphibole, 2-5% biotite with trace quartz.			Trace pyrite	Contact [180/-80]
H515205	JGC23-10	WH23210952	2023-07-20	UTM NAD83 Z8N	477757	6661695		Float	Quartz Diorite	Talus grab. Rusty stained WHG with minor qtz veining from scree slope. 99% of scree material not mineralized				
H515206	JGC23-11	WH23210952	2023-07-20	UTM NAD83 Z8N	477695	6661754		Grab	Amphibole Gabbro	med grain dark grey amphibole gabbro hosting 2-3% diss Py			2-3% diss py	
H515207	JGC23-13	WH23210952	2023-07-20	UTM NAD83 Z8N	477614	6661837		Float	Quartz diorite	Rusty piece of angular talus hosting 2-3% diss Py			2-3% disseminated pyrite	
H515208	JGC23-16	WH23210952	2023-07-20	UTM NAD83 Z8N	477291	6661906		Float	Quartz diorite	Talus pieces of WHG with quartz chlorite veining hosting minor pyrite		Quartz chlorite veining hosting minor pyrite.		

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H515209	JGC23-17	WH23210952	2023-07-20	UTM NAD83 Z8N	477280	6661919		Float	Rhyolite	Buff/rusty fine grain rock hosting heavily sulphidic quartz veining. Located below and north of rhyolite dyke. If runs - new showing?		Heavy sulfidic quartz veining.		
H515210	JGC23-18	WH23210952	2023-07-20	UTM NAD83 Z8N	477261	6661919		Float	Quartz diorite	Rusty WHG hosting 2cm quartz vein with a lot of pyrite		2cm quartz vein with a lot of pyrite	2-5% Py	
H515211	JGC23-25a	WH23210952	2023-07-20	UTM NAD83 Z8N	476644	6661907		Float	Rhyolite	Talus at base 98% WHG with 2 types of rusty material. Type 1 - rusty FG silicious rhyoite hosting trace diss Py, type 2 - rusty pieces of WHG				
H515212	JGC23-25a	WH23210952	2023-07-20	UTM NAD83 Z8N	476644	6661907		Grab	Quartz Diorite	Talus at base 98% WHG with 2 types of rusty material. Type 1 - rusty FG silicious rhyoite hosting trace diss Py, type 2 - rusty pieces of WHG				
H515213	JGC23-37	WH23210952	2023-07-21	UTM NAD83 Z8N	475620	6661292		Grab	Rhyolite	Fine grain buff coloured felsic dyke inaved by network of cm scale qtz veinlets. Veining style has open space filling characteristics - vuggy, terminating quartz crystals. Hosts trace diss Py. Rusty pitting where sulphides leahed out	Sericite overprinted by chalky clay like aleration	Network of cm scale Qtz vening - 10% of rock?	Tr Py - sample taken near Ryan's sample 3852887	Contact [190/-80]
H515214	JGC23-39	WH23210952	2023-07-21	UTM NAD83 Z8N	475592	6661345		Grab	Quartz Diorite	Med grain WHG qtz diorite cut by 75cm thick milky white qtz chlorite quartz vein		75cm thick, quartz with minor chlorite, no sulphides		Vein [245/-65]
H515215	JGC23-39	WH23210952	2023-07-21	UTM NAD83 Z8N	475582	6661370		Grab	Rhyolite	Fine grain buff coloured felsic volcanic dyke hosting the odd cm scale vuggy quartz vein. Rock is very bleached, chalky coloured				Contact [030/-80]
H515216	JGC23-43	WH23210952	2023-07-21	UTM NAD83 Z8N	475545	6661580		Grab	Rhyolite	Rusty outcrop of altered felsic/rhyolite dyke hosting trace diss Py. Dyke is 15m wide and is crosscut by cm scale vuggy quartz veinlets occupying 5% of unit	Mode pervasive sericite overprinted by weak clay			Contact [015/-80]
H515217	JGC23-47	WH23210952	2023-07-21	UTM NAD83 Z8N	475314	6661792		Grab	Rhyolite	10m wide buff coloured volcanic with minor qtz veining previously sampled by Ryan/older. Close to 3852887				Contact [025/-80]
H515218	JGC23-55	WH23210952	2023-07-21	UTM NAD83 Z8N	476124	6661868		Grab	Rhyolite	Rusty buff coloured material from feldspar phyric felsic dyke with moderate pervasive sericite overprinted by clay alteration hostin tr diss Py. No veninng				Contact [020/-90]
H515219	JGC23-60	WH23210952	2023-07-22	UTM NAD83 Z8N	481226	6662090		Grab	Rhyolite	Fine grain buff coloured feldspar porphyritic dyke. Moderate to strong pervasive sericte, trace Diss Py. 5m wide dyke in Whitehorse Group qtz diorite.		minor cm scale QV	2-3% Py iassocaited with quartz veining	Dike Contact [120/-30]
H515220	JGC23-61	WH23210952	2023-07-22	UTM NAD83 Z8N	481213	6662070		Grab	Quartz Diorite	Rusty stained white horse qtz diorite near margin of rhyolite dyke hosting 1-2% diss py			1-2% diss Py	
H515221	JGC23-62	WH23210952	2023-07-22	UTM NAD83 Z8N	481206	6662093		Grab	Rhyolite	Rusty fine grain rhyolite near conact with Whitehorse qtz. 1-2% diss Py with minor qtz veinlets hosting Py		minor quartz veining with Py	1-2% diss Py,	
H515222	JGC23-64a	WH23210952	2023-07-22	UTM NAD83 Z8N	481143	6662323		Grab	Talus	Talus mix of 40% Amphibole Gabbro, 40% Granodiorite, 10$ Rusty quartz diorite, 10% buff/rusty coloured rhyolite. Sample 515222 - Rusty Volcanic				

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H515223	JGC23-64b	WH23210952	2022-07-23	UTM NAD83 Z8N	481143	6662323		Float	Granodiorite	Talus grab, mix of 40% amphibole gabbro, 40% granodiorite, 10% rusty quartz diorite, 10% buff/rusty coloured rhyolite. Sample 515223 -pyritic vein in rusty granodiorite		Pyrite vein	Pyrite vein	
H515224	JGC23-67	WH23210952	2023-07-22	UTM NAD83 Z8N	481042	6662534		Float	Quartz vein	Talues grab. Pieces of 5cm thick rusty QV hosting 2-5% Py				
H515225	JGC23-68a	WH23210952	2023-07-22	UTM NAD83 Z8N	481031	6662536		Grab	Hornblende gabbro	5-10cm zone of veining in outcrop along sheared contact of altered hornblend gabbro. Zone of alteration with stockwork veining out to west for 2-3m	Carb, Silicification	5-10cm shear veins near contact	Tr Py, Gn, Sph, Tr Cp	Shear [270/-90]
H515226	JGC23-68b	WH23210952	2022-07-23	UTM NAD83 Z8N	481031	6662536		Grab	Hornblende gabbro	Stockwork veining out to west for 2-3m in hornblende gabbro	Carbonate, silicified	5-10cm shear veins near contact	Trace pyrite, galena, sphalerite, trace chalcopyrite	Shear [270/-90]
H515227	JGC23-69	WH23210952	2023-07-22	UTM NAD83 Z8N	481025	6662543		Grab		Rusty buff coloured outcrop. Strongly silicified with mod pervasive sericite and tr diss Py				
H515228	JGC23-70a	WH23210952	2023-07-22	UTM NAD83 Z8N	481024	6662557		Grab	Granodiorite	Contact between fine grain carbonatized hornblend gabbro and silicifed and carbonatized med grain granodiorite. Zone of vening is 20-30 cm wide				Contact [235/-80]
H515229	JGC23-70b	WH23210952	2023-07-22	UTM NAD83 Z8N	481024	6662557		Grab	Granodiorite	Contact between fine grain carbonatized hornblend gabbro and silicifed and carbonatized med grain granodiorite. Zone of vening is 20-30 cm wide				Contact [235/-80]
H515230	JGC23-71	WH23210952	2023-07-22	UTM NAD83 Z8N	481023	6662565		Grab	Granodiorite	Strongly silicified and sericitized granodiorite. Bleached - extra white colour. Minor qtz veining, diss Py	Silicified, sericitized		Tr Py	
H515231	JGC23-74	WH23210952	2023-07-22	UTM NAD83 Z8N	480936	6662538		Grab	Granodiorite	Stronlgy sericitized gossanous outcrop of altered whitehorse granodiorite with abundant sulphide rich stingers.	Strong pervasive sericite, vuggy rotten out, sulphur stained		Heavy disseminated Py	
H515232	JGC23-77	WH23210952	2023-07-26	UTM NAD83 Z8N	479101	6658400		Grab	Rhyolite	Black-sooty, fine grain rhyolite hosting tr diss Py. No veining observed			Tr Diss Py	
H515233	JGC23-78	WH23210952	2023-07-26	UTM NAD83 Z8N	479123	6658394		Grab	Rhyolite	Grey-buff finely laminated/banded rhyolite hositng discontinuous pinch and swell veinlets of quartz.		5-10m sheared veinlets - tr Py		Banding (180/-90)
H515234	JGC23-79	WH23210952	2023-07-26	UTM NAD83 Z8N	479122	6658408		Grab	Rhyolite	Weakly rysty finely banded rhyolite hosting trace dissemintate sulphides			Tr Diss Py	Banding (330/-80)
H515235	JGC23-80	WH23210952	2023-07-26	UTM NAD83 Z8N	479138	6658429		Grab	Rhyolite	Black, fine grain sooty and rusty stained rhyolite			Tr Diss Py	
H515236	JGC23-81	WH23210952	2023-07-26	UTM NAD83 Z8N	479139	6658436		Grab	Rhyolite	Rusty stained, yellow to buff coloured rhyolite hosting 1-3% diss sulphides. Sericitc alteration overprinted by sulpheerous acid leach staining	Str Sericite, Acid Leaching		1-3% diss Py	
H515237	JGC23-82	WH23210952	2023-07-26	UTM NAD83 Z8N	479162	6658422		Grab	Rhyolite	Intersting contact between kink banded/sheared rhyolite and more massive, undeformed fine grain rhyoite. Kink banding orientied (020/-60). Contact between massive and kink banded (260/-05)		Thin sheared quartz veinlets	Ty Py	Shr (020/-60), Cont (260/-05)
H515238	JGC23-83	WH23210952	2023-07-26	UTM NAD83 Z8N	479159	6658370		Grab	Rhyolite	Rusty, gossanous outcrop of altered rhyolite. Fine grain black sooty frech surface hosting up to 3-5% diss Py			3-5% diss Py	

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H515239	JGC23-84a	WH23210952	2023-07-26	UTM NAD83 Z8N	479206	6658374		Grab	Rhyolite	Gossanous outcrop of altered rhyolite. Rock feels heavy, has sooty appearance and hosts 2-3% diss Py			2-3% Py, dark, sooty	
H515240	JGC23-89b	WH23210952	2023-07-26	UTM NAD83 Z8N	479056	6658560		Grab	Rhyolite	Black sooty banded rhyolite in contact with rusty gossan.				
H515241	JGC23-85	WH23210952	2023-07-26	UTM NAD83 Z8N	479152	6658348		Grab	Rhyolite	Rusty ryholite hosting 10-15% quartz veniing hosting diss Py		10-15% Quartx veining	Try Py	
H515242	JGC23-86	WH23210952	2023-07-26	UTM NAD83 Z8N	479117	6658331		Grab	Rhyolite	Gossanous outcrop of rhyolite hosting 3-5% diss Py			3-5% Dis Py	
H515243	JGC23-87	WH23210952	2023-07-26	UTM NAD83 Z8N	479063	6658473		Float	Rhyolite	Talus grab. Rusty. black sooty grouping of larger boulders downslope from ERT trenches. Very heavy, contains fine graned grey sulphide/arsenosulphide mineral, and 3-5% Py			3-5% diss Py, 2-3% grey arsenosulphides	
H515244	JGC23-90	WH23210952	2023-07-26	UTM NAD83 Z8N	479050	6658568		Grab	Rhyolite	Black, finely laminated rhyolite hosting Tr diss Py invaded by light grey to white fine grain more massive tectured rhyolite near contact with sheared qtz diorite.			Tr diss Py, black sooty	
H515245	JGC23-91	WH23210952	2023-07-26	UTM NAD83 Z8N	482146	6662850		Grab	Granodiorite	Buff, medgrain intrusive rock overprinted with strong prevasive sericitic alteration and moderate pervasive carbonatization hosting Tr Diss Py/fg grey mineral	Str Perv Sercitie, Mod Carb		Tr Py	
H515246	JGC23-94	WH23210952	2023-07-26	UTM NAD83 Z8N	482055	6662768		Grab	Diorite	Siliciifed and sericitized diorite hosting trace fine disseminated Py				
H515247	JGC23-96	WH23210952	2023-07-26	UTM NAD83 Z8N	481803	6662443		Grab	Gabbro	Rusty fine grain hornblend gabbro hosting gossanous patches of fracture controlled Py			1% patchy fracture controlle PY	
H515248	JGC23-97	WH23210952	2023-07-27	UTM NAD83 Z8N	482543	6663182		Grab	Quartz Vein	Subcrop. Rusty frost heaved fragemnts of vuggy quartz carbonate veining. Vugs host small terminating qtz crystals. No discernable sulphides		10-15cm vuggy qtz/carb		
H515249	JGC23-98	WH23210952	2023-07-27	UTM NAD83 Z8N	482510	6663213		Grab	Quartz Vein	Cluster of frost heaved rusty vuggy quartz carbonate veining in med grain gabbro.				
H515250	JGC23-99	WH23210952	2023-07-27	UTM NAD83 Z8N	482452	6662614		Grab	Gabbro	Strongly sericitized and carbonate altered shear zone oriented (280/-80). Shear strngly focussed witghin 20m zone - with sericitic alteration bleaching outwards into gabbro for several meters either side	Strong perv Sercite, strong perv Carb			Shear (280/-80_
D938851	23SR143A	WH23276801	18-Sep-23	NAD83 Z8N	481364	6662667	1788	Grab	Intermediate volcanic	Sample of the volcanic. Contact between intermediate volcanic and rhyolite dike. In gulley across from Greg's showing. Contact is very graduated and can see colour gradation. Quartz phenocrysts within the rhyolite dike that are anhedral, 1-5mm wide. Dike itself is about 30cm to 1m wide, start to lose it under gravelly scree material moving south into gulley, then goes into an intrusive (granodiorite?) which is very altered looking. Don't really see the equigranular texture in the granodiorite.	Granodiorite has sericite, chlorite alteration, oxidized.		Trace disseminated pyrite in the intermediate volcanic.	Dike [295/75]

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D938852	23SR143B	WH23276801	18-Sep-23	NAD83 Z8N	481364	6662667	1788	Grab	Rhyolite	Sample of the dike. Contact between intermediate volcanic and rhyolite dike. In gulley across from Greg's showing. Contact is very graduated and can see colour gradation. Quartz phenocrysts within the rhyolite dike that are anhedral, 1-5mm wide. Dike itself is about 30cm to 1m wide, start to lose it under gravelly scree material moving south into gulley, then goes into an intrusive (granodiorite?) which is very altered looking. Don't really see the equigranular texture in the granodiorite.	Granodiorite has sericite, chlorite alteration, oxidized.		Trace disseminated pyrite in the intermediate volcanic.	Dike [295/75]
D938853	23SR145	WH23276801	18-Sep-23	NAD83 Z8N	481380	6662652	1803	Grab	Rhyolite	Small 1 x 1.5m outcrop of rhyolite dike (at least what was visible above the snow). More felsic looking, almost grey in colour. Aphanitic so maybe just a felsic dike of some kind?	Strong oxidation along fracture planes.		Small amounts of disseminated sulfides.	
D938854	23SR146	WH23276801	18-Sep-23	NAD83 Z8N	481385	6662655	1805	Grab	Granodiorite	Altered intrusive, granodiorite? Quartz rich.	Strong oxidation on fracture planes and surfaces. Orange oxidation. Minor chlorite, sericite alteration as well. Small oxidized pathces on surface that may have been sulfides; some are dark purpley black.		Trace disseminated sulfides.	
D938855	23SR147	WH23276801	18-Sep-23	NAD83 Z8N	481407	6662658	1814	Grab	Rhyolite	Unsure of lithology. Zone of sheared gossanous material about 0.5 m wide.	Strong orange, yellow, red oxidation within a relatively contained zone. Host rock has slight minor orange oxidation.		Up to 1% trace pyrite, sub to euhedral.	
D938856	23SR148	WH23276801	18-Sep-23	NAD83 Z8N	481460	6662644	1847	Grab	Rhyolite	Silicified, highly altered gossanous material - rhyolite dike? Intrusive material? Hard to tell. Highly fractured. Can see quartz texture/equigranular in some areas and not so much in others.	Strong gossanous look along some fracture seams; yellow and dark red. Silicified. Minor chlorite, sericite?		Trace disseminated sulfides, pyrite.	
D938857	23SR149	WH23276801	18-Sep-23	NAD83 Z8N	481525	6662642	1891	Grab	Rhyolite	Sheared zone of orange oxidized rock, hard to tell if intrusive (granodiorite?) or rhyolite dike? Finer grained than previous stations and not so silica flooded.	Orange oxidation.	Thin iron carbonate stringers.		
D938858	23SR150	WH23276801	18-Sep-23	NAD83 Z8N	481640	6662625	1969	Grab	Rhyolite	Brown/orange rhyolite dike.	Sericite, carbonate, minor hematite alteration along fractures and some weathered faces.		Oxidized and tarnished sulfides, pyrite with potential trace chalcopyrite.	
D938859	23SR152A	WH23276801	19-Sep-23	NAD83 Z8N	483072	6662889	1732	Float	Biotite granodiorite	Buff coloured, Potentially subvolcanic but contains interlocking quartz grains. Roughly 30x20x20 subangular talus boulder of light grey to orange weathered and fresh bt gd hosting patches of py (0.5%) and mo(1%); sulfides concentrated where gd is oxidized	Biotite altering to chlorite.		1-2% total mineralization, contains fine grained molybdenite and pyrite.	
D938860	23SR152B	WH23276801	19-Sep-23	NAD83 Z8N	483072	6662889	1732	Float	Biotite granodiorite	Buff coloured, can see the gradation of orange colouring through host rock.		Dark coloured seams near molybdenite mineralization.	Total mo + py mineralization about 1-2%.	

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D938861	23SR152C	WH23276801	19-Sep-23	NAD83 Z8N	483021	6662876	1744.1	Float	Granodiorite	Fine grained to aphanitic, buff coloured. Dense. Roughly 10x12x8cm subangular float boulder of orange oxidized silicified intrusive (granodiorite ?) w mm-scale crosscutting quartz vein; local pits of limonite±pyrite	Pervasively silica altered/flooded.	0.5cm quartz stringer running through.	No visible mineralization but there are patches of dark purple which could potentially be tarnished pyrite?	
D938862	23SR152D	WH23276801	19-Sep-23	NAD83 Z8N	483072	6662889	1732	Float	Biotite granodiorite	Buff coloured, fine grained. Talus sample of roughly 20x15x10cm float boulder of bt gd w hypidiomorphic to subvolcanic texture that almost appears porphyritic; hairline limonite-pyrite stringers and lesser patches of fg py in groundmass (py 0.5%)	Oxidized.		Coarse grained, euhedral cubic pyrite, disseminated, trace -1%. No visible moly.	
D938863	23SR153	WH23276801	19-Sep-23	NAD83 Z8N	483307	6662936	1703	Float	Quartz vein	Rusty/oxidized quartz vein float downslope in gulley near overhead outcrops.			No visible mineralization.	
D938864	23SR154	WH23276801	19-Sep-23	NAD83 Z8N	483245	6662957	1732.3	Float	Granodiorite	Fine grained, buff coloured. Roughly 20m upslope from previous sample; 20x12x5cm wide gossanous subangular boulder of subvolcanic gd w gossanous purplish reddish brown patches/clots centred around py (1%) and lesser bluish silver flaky mineral - mo (0.5%)			Tarnished oxidized sulfide blebs up to 0.5cm wide, including tarnished halos. Potentially also some galena/molybdenite/tetrahedrite? Some sort of silvery mineral, need to take another look when sample is dry. 1-2% total sulfides.	
D938865	23SR156	WH23276801	19-Sep-23	NAD83 Z8N	483500	6663168	1709	Float	Quartz feldspar porphyry	White to pink feldspar, coarse grained, hosted within a light green to grey aphanitic groundmass. Not too much other material like it within the talus slope.	Strong gossanous staining/oxidation along some of the outer surfaces and fracture planes.		Trace disseminated sulfides, looks like pyrite.	
D938866	23SR157	WH23276801	19-Sep-23	NAD83 Z8N	483493	6663196	1716	Float	Biotite quartz diorite	Can trace over about 50m float train with fist sized to hammer length size boulders. Also have some granodiorite float with sheeted stringers, and the granodiorite has hematite, epidote, chlorite alteration.	Biotite altering to chlorite. Orange to dark purple hematite staining.	Very gossanous quartz vein float hosted in biotite quartz diorite that has been chloritized. Some chunks have a 1-3cm wide calcite vein with significant epidote around the margins.	Can see gaps/cavities where sulfides have oxidized out. 3-5% galena, arsenopyrite, pyrite, which is semi massive to massive to disseminated.	
D938867	23SR158	WH23276801	19-Sep-23	NAD83 Z8N	483500	6663160	1709	Float	Biotite quartz diorite	Can trace over about 50m float train with fist sized to hammer length size boulders. Also have some granodiorite float with sheeted stringers, and the granodiorite has hematite, epidote, chlorite alteration.	Biotite altering to chlorite. Orange to dark purple hematite staining. Gossanous looking, very orange. Chlorite along some fractures.	Very gossanous quartz vein float hosted in biotite quartz diorite that has been chloritized. Some chunks have a 1-3cm wide calcite vein with significant epidote around the margins.	Gaps/cavities where there is trace pyrite, disseminated, no visible galena.	
D938868	23SR159	WH23276801	19-Sep-23	NAD83 Z8N	483498	6663132.48	1722.7	Float	Granodiorite	Rusty granodiorite, relatively isolated in terms of mineralization, but area had similar alteration in the talus.	Rusty, significant iron oxidation/rusty looking surfaces.		Trace fine grained disseminated pyrite, plus trace very fine grained molybdenite/galena? Silvery metallic mineral.	

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D938869	23SR160	WH23276801	19-Sep-23	NAD83 Z8N	483707	6663200	1609	Float	Biotite quartz diorite	Photos include landscape walking down to lower outcrop and talus slopes. Prospecting in talus pile below outcrop. Talus is white and grey, less variety, less volcanics. Lots of Whitehorse group and some quartz feldspar porphyry. This sample is biotite quartz diorite.		Gossanous, rusty looking 1-1.5cm wide quartz vein that is fully red-orange in colour.	Trace very fine grained pyrite.	
D938870	23SR161	WH23276801	19-Sep-23	NAD83 Z8N	483700	6663207	1612	Float	Biotite quartz diorite	Within quartz diorite/whitehorse group talus, some granodiorite as well. Some 2-3% other talus material like it (ie, similar oxidation levels).	Chlorite alteration. Gossanous, oxidized patches. Fracture planes very oxidized.	Some chunks of quartz material that could be part of a vein?	One 2-3cm wide patch of massive coarse grained pyrite. In the host rock, there is very fine grained disseminated galena/maybe molybdenite?	
D938871	23SR162	WH23276801	19-Sep-23	NAD83 Z8N	483689	6663207	1617	Float	Biotite quartz diorite	Large boulder of Whitehorse group? One face is covered with gossanous material, looks like face of a quartz vein maybe.	One face covered with gossanous material.		Coarse grained cubic pyrite within the vein material. Trace to 2% depending on the section. The rest of the boulder does not appear mineralized.	
D938872	23SR163	WH23276801	19-Sep-23	NAD83 Z8N	483698	6663214	1617	Float	Quartz vein			Gossanous, oxidized, rusty quartz vein float with massive pyrite in cavities. Don't see any other chunks nearby. Within talus float pile, similar lithology as previously denoted.		
D938873	23SR164	WH23276801	19-Sep-23	NAD83 Z8N	483682	6663208	1624	Float	Biotite quartz diorite		Rusty, gossanous.	Seems to be associated with a quartz vein or siliceous fluids.	Semi massive to massive patches of sulfide, looks like mainly pyrite.	
D938874		WH23276801	19-Sep-23	NAD83 Z8N	483693	6663155.02	1650.2	Float	Quartz vein	Composite talus sample from 2 float boulders (one 20x50cm, subangular almost rectangular and other 30x40cm subangular) in 2x2m area comprised of oxidized to white qtz vein xcutting bt gd to qd hosting cg py and rare fg cp ± mo (?? - I think; vfg silvery blue mineral, soft); sample taken of vein material	Strong alteration			
D938875		WH23276801	19-Sep-23	NAD83 Z8N	483718	6663277.77	1637.7	Float	Quartz vein	2 boulders in 1x1m area of gossanous bt>hbl gd w hairline to 3mm seams of py as well as patches w fg disseminated py and black purpulish tarnished sulfides	Strong alteration			

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D938876	23SR167	WH23276801	20-Sep-23	NAD83 Z8N	483651	6663343	1650	Float	Biotite quartz diorite	Biotite quartz diorite float. Dense.	Gossanous (dark purple and yellow).	Associated with rusty quartz vein about 3cm wide. Contains cavities filled with massive pyrite, up to 2cm wide. Quartz vein also contains very fine to fine grained galena and/or molybdenite, too small to make out. Quartz vein has vugs and some small terminating crystals. Fracture planes are lined with chlorite inside the vein and there are chlorite patches along the margin. Fully oxidized in colour.		
D938877	23SR168	WH23276801	20-Sep-23	NAD83 Z8N	483656	6663340	1648	Float	Quartz vein			"Pure" quartz vein float, no visible host rock. About 12" wide and 2" thick. Gossanous weathered surface and inner surface shows a crack seal texture with very fine to fine grained disseminated pyrite, 1% up to semi massive blebs. Chlorite lines the fractures in the crack seal texture.		
D938878	23SR170	WH23276801	20-Sep-23	NAD83 Z8N	483552	6663330	1709	Grab	Granodiorite	Cliffy area, interspersed dikes. Mafic volcanic to much more felsic granodiorite/quartz diorite (looks almost silica flooded?) to greener intermediate volcanic, back to quartz diorite. Gossanous patches only in the more felsic unit (granodiorite?). Outcrop seems to be source of the rusty talus float found consistently downslope.		Quartz vein material found in a gossanous patch, the patches don't really seem to follow any patterns. Only appears to contain very oxidized pyrite and minor amounts of fresh pyrite, ranging from fine grained to semi massive in the patch.		Dikes are running E-W, steeply dipping at approximately 70-90 degrees.
D938879		WH23276801	20-Sep-23	NAD83 Z8N	483626	6663384.27	1678.1	Float	Quartz vein	Composite talus sample of two talus boulders (one 5x6x6cm and one 15x6x3cm) w rusty to white qtz vein w patchy diss py (0.5%) in vein and gd groundmass as well as rare patches of fg mo(? 0.1%) in gd along margins of vein	Strong alteration			
D938880		WH23276801	20-Sep-23	NAD83 Z8N	483606	6663389.27	1685.4	Grab	Quartz vein	2-4cm wide oxidized white to opaque dark grey qtz vein (oriented 100/55) w py±flaky silvery mineral (tetrahedrite? marcasite?); sample collected from cliffy oc of greenish light grey weathered whitish light grey fresh fg to fine mg hbl bt (bt>>hbl) gd to qtz diorite w distinctive "clots" of bt; xcut by several irregular opaque grey aplite dikes from <1-10cm wide as well as cm-scale qtz-chl-ep veins	Strong alteration			

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D938881	23SR171	WH23276801	20-Sep-23	NAD83 Z8N	483708	6663569	1664	Float	Biotite quartz diorite		Gossanous. Chloritized.	Quartz vein material is oxidized on the margins, very orange.	3-4% disseminated fine grained pyrite, associated with quartz vein material?	
D938882		WH23276801	20-Sep-23	NAD83 Z8N	483668	6663606.64	1691.6	Float	Granodiorite	50x30x20cm float boulder on talus fan of oxidized bt gd w gossanous patches w fg to cg euhedral py (1%)				
D938883		WH23276801	20-Sep-23	NAD83 Z8N	483668	6663606.64	1691.6	Float	Granodiorite	7x5x2cm float boulder of oxidized bt gd w patches of fg py-mo (py up to 1%, mo up to 0.5%)				
D938884	23SR173	WH23276801	20-Sep-23	NAD83 Z8N	482677	6664470	1709	Float	Biotite quartz diorite	Rough weathering on weathered surface (due to being in the lake bottom)? The lake bottoms in this cirque in general have interesting weathered surface textures, but not much mineralization or rusty looking material. Very grey. Mix of intrusives and volcanics, along with some quartz feldspar porphyry (green fine grained groundmass).	Hematite staining within the quartz feldspar material along with oxidation and chlorite alteration.	Pegmatitic quartz feldspar dike/vein?	Trace disseminated fine grained pyrite.	
D938885		WH23276801	20-Sep-23	NAD83 Z8N	482747	6664303.1	1713.9	Float	Granodiorite	Float grab in lakebed 30x6x5cm subangular boulder of altered bt gd (chl after bt) w patchy fg py (1%) and rare cp (0.1%) as well as local mal (0.2%)	Moderately altered			
D938886	23SR174	WH23276801	20-Sep-23	NAD83 Z8N	482827	6664020	1704	Float	Quartz vein	In lake closest to cirque, about volleyball sized float chunk.	Minor chlorite oxidation, some hematite staining and orange oxidation on fracture planes.	Rusty and hematite stained quartz vein float with crack seal texture.	No visible sulfides.	
D938888		WH23276801	21-Sep-23	NAD83 Z8N	482937	6663802.36	1745.9	Float	Granodiorite	1x0.8.0.6m subangular to subrounded boulder of light grey w rusty patches weathered light greyish beige fresh fg to fine medium-grained hypidiomorphic bt granodiorite, locally silicified; bt vfg to fg; rusty patches host fg py (1%) and rare cp (0.1%); mo (1%) in fg patches in rusty patches as well as rosettes in groundmass up to 0.5cm diameter	Moderately altered			
D938889	23SR177	WH23276801	21-Sep-23	NAD83 Z8N	482921	6663818	1727	Float	Quartz vein			Quartz vein float, about the size of a pizza. Two other chunks the same size also present. Hematite stained, chlorite, orange oxidation on fractures. Chunks of wall rock in the veins as well - almost looks like a set of stringers. Terminating quartz crystals as well. Open space filling textures. Epithermal style veining?		

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D938890	23SR178	WH23276801	21-Sep-23	NAD83 Z8N	482756	6663841	1724	Float	Quartz diorite	Either quartz diorite or granodiorite? Extremely gossanous float. Shoebox sized. Downslope within talus area under outcrop on slope. Outcrop looks to have some rusty areas, and is very blocky and fractured. Many (5-10%) of talus chunks in the area have rusty colouring. Lithology is mafic dike (fine grained, looks like basalt) in contact with quartz diorite.	Surface oxidation and along fracture planes. Extremely gossanous on surface, dark purple to yellow.		Trace disseminated pyrite, oxidized.	
D938891		WH23276801	21-Sep-23	NAD83 Z8N	482746	6663861.71	1736.7	Float	Granodiorite	Subangular 30x20x10cm boulder w cg mo (3%) in rosettes up to 2cm diameter and lesser fg to cg py (0.1%) and a dark greyish silver fg mineral (marcasite?; trace); mineralization appears to be localized along 0.5cm opaque white qtz vein that transitioms to fx with vugs filled w mo	Moderately altered			
D938892	23SR179	WH23276801	21-Sep-23	NAD83 Z8N	482748	6663868	1722	Float	Quartz vein	Boulder sized quartz vein chunk, about 0.5 by 1m wide. Quartz float all throughout talus. Another large boulder that looks the same is present about 2m away.		Has rusty patch with oxidized pyrite. Blocky and fractured looking. No visible host rock.		
D938893	23SR180	WH23276801	21-Sep-23	NAD83 Z8N	482719	6663926	1716	Float	Granodiorite	Large boulder, 1m by 0.5m. Rusty coloured. Rounded.	Rusty and oxidized, quite orange.		Seams of massive molybdenite, can see rosettes. Not as great looking as D938891 but there is still visible mineralization. 0.5%. Round Mo flakes.	
D938894		WH23276801	21-Sep-23	NAD83 Z8N	482660	6663985.54	1746.1	Float	Granodiorite	60x40x20cm subrounded boulder of orange weathered (locally pervasively weathered/oxidized) to light grey fresh fg to fine mg bt gd w patches of mg to cg rosettes to patchy mo (1%)	strongly altered			
D938895	23SR181	WH23276801	21-Sep-23	NAD83 Z8N	482574	6664083	1741	Float	Granodiorite	Buff coloured, rounded shape, about 0.75x0.5m in size. Surrounding talus is not buff coloured, mostly grey granodiorite or whitehorse group. Minor quartz feldspar porphyry and volcanics.	Strong oxidation on weathered surface and fracture planes, very orange.		Contains blobs of molybdenite opposed to fully formed rosettes. About 0.5% total.	
D938896	23SR182	WH23276801	21-Sep-23	NAD83 Z8N	481919	6664062	1661	Float	Quartz vein	Within the talus of intrusives, QFP, minor volcanics. Not much rusty material.		Orange, rusty, somewhat open space filling textures? No visible mineralization.		
D938897	23SR183	WH23276801	21-Sep-23	NAD83 Z8N	481924	6664048	1660	Float	Quartz vein	Within talus of intrusives, QFP, minor volcanics. Not much rusty material.		Gossanous, hematite stained quartz vein. Minor chlorite. Minor tarnished sulfides? Trace amounts.		
D938898		WH23276801	21-Sep-23	NAD83 Z8N	481766	6663877.39	1647.9	Float	Granodiorite	Composite float grab near base of cliffs from 30x30x10cm subrounded buff to orange weathered boulder of buff to orange weathered, light grey to orange fresh, fg to mg, bt gd w hairline py-lim stringers and 10x8x3cm subangular reddish orange weathered gd w quartz vein and pits of lim±py	Moderately altered			

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E813138		WH23276801	18-Sep-23	NAD83 Z8N	481008.006	6662596.37	1734.8	Grab	Granodiorite	Medium grained. Grab sample taken from granodiorite limonite altered outcrop, mineralization present in the format of chalcopyrite and pyrite. Medium grained granodiorite outcrop with limonite alteration.	Moderately altered		Disseminated and blebby pyrite and chalcopyrite	
E813139		WH23276801	18-Sep-23	NAD83 Z8N	481007.979	6662590.99	1745.3	Grab	Granodiorite	Medium grained. Grab sample of quartz vein in rhyolite altered granodirorite outcrop, with pyrite, chalcopyrite and arsenopyrite mineralization. Rhyolite? Altered granodiorite outcrop sample taken from quartz vein in the outcroplimonite rusty oxidation present	Weakly pervasively altered.		Mineralization of chalcopyrite, pyrite and arsenopyrite on the contact of qtz vein and wall rock	
E813140		WH23276801	18-Sep-23	NAD83 Z8N	480954.834	6662619.67	1787.5	Grab	Rhyolite	Medium grained. Grab sample from rhyolite dyke silicified with pyrite. Seems to be a silicified\ rhyolite dyke	Moderate pervasive silica alteration.		Pyrite infill throughout sample	
E813141		WH23276801	18-Sep-23	NAD83 Z8N	480963.183	6662603.29	1763.7	Grab	Granodiorite	Fine grained. Oxidized pocket in siliceous rhyolite? Or light granodirorite? Seem to be pockets of rhyolitix dykes in the area but orientation and thickness unknown. Mineralized disseminated pyrite. Siliceous rhyolite in granodiorite.	No alteration		Small disseminated pyrite.	
E813142		WH23276801	18-Sep-23	NAD83 Z8N	480912.122	6662622.49	1782.5	Grab	Rhyolite	Medium grained. Composite sample over 1m from outcrop of a rhyolite dyke, mineralization present, pyrite and chalcopyrite. Outcrop of rhyolite Duke, beige pinkish medium grained, hard to break, rusty oxidation present. Silica altered which is where mineralization is present	Strong pervasive silica alteration.		Pyrite disseminated in silica alteration	
E813143		WH23276801	18-Sep-23	NAD83 Z8N	480904.552	6662610.46	1793.6	Grab	Rhyolite	Medium grained. Mineralized rhyolite Duke outcrop with manganese alteration, beige, medium grained to fine grained, rusty patches, pyrite, chalcopyrite and arsenopyrite? Rhyolite Dyke, silica altered, rusty patches, beige to yellow, medium to fine grained, alteration is moderate to strong.	Moderate pervasive silica alteration.		Pyrite and arsenopyrite throughout sample potentially other unknown sulfides. Rusty patches that are from orange to red.	
E813144		WH23276801	18-Sep-23	NAD83 Z8N	480858.867	6662612	1843.9	Grab	Volcanic	Fine grained. Sample taken from outcrop on ridge. Fine grained Grey green outcrop, volcanic? Chlorite altered, sandwiched between rhyolite dykes. Slightly solicited, with minimal disseminated pyrite throughout	Strong pervasive chlorite alteration.		Very small amount of disseminated pyrite throughout sample	
E813145		WH23276801	19-Sep-23	NAD83 Z8N	480422.589	6662086.77	1725.6	Float	Vein	Fine grained. Rusty oxidized quartz vein float sample. Float quartz vein below from granodiorite outcrops and rhyolite dyke. Vein is red orange oxidized with cavities infilled by pyrite.	Strong pervasive quartz alteration.		Pyrite infilling cavities within qtz vein float	
E813146		WH23276801	19-Sep-23	NAD83 Z8N	480451.402	6662083.83	1749.5	Grab	Vein	Fine grained.Oxidized rusty quartz vein sampled wedged in granodiorite outcrop. Oxidized rusty quartz vein with galena and pyrite present wedged in granodiorite outcrop	Moderately pervasively altered.		Pyrite and galena present, some cavities infilledwith Pyrite and there is blebby galena	

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E813147		WH23276801	19-Sep-23	NAD83 Z8N	480458.868	6662075.81	1757.6	Float	Granodiorite	Fine grained. Float sample of fine grained chlorite altered granodiorite? Almost looks porphyritic, disseminated chalcopyrite and pyrite throughout, episode is also present. Grey green chlorite altered granodiorite with elongated phenocryst almost looks porphyritic	Strong pervasive chlorite alteration.		Chalcopyrite and pyrite disseminated throughout	
E813148		WH23276801	19-Sep-23	NAD83 Z8N	480471.51	6662099.87	1765.1	Grab	Granodiorite	Fine grained. Fg chlorite silica altered granodiorite with pyrite and chalcopyrite present, maybe galena, rusty orange oxidized on weathered surface, episode veins in sample. Fg chlorite silica altered granodiorite outcrop, rusty orange oxidized on weathered surface, episode vein in sample, dark Grey green, chlorite veinlets	Moderate pervasive chlorite alteration.		Disseminated pyrite and chalcopyrite present, maybe galena, rusty orange oxidized on weathered surface, episode veins are pyrite in filled,	
E813149		WH23276801	19-Sep-23	NAD83 Z8N	480537.555	6662108.43	1810.1	Grab	Granodiorite	Medium grained granodiorite with rusty oxidized weathered surface, pyrite and chalcopyrite disseminated throughout. Med grained granodiorite with rusty oxidized weathered surface oxidation is also on fresh surface, biotite heavy, episode on fracture surfaces	Moderate selective biotite alteration.		Pyrite and chalcopyrite disseminated throughput rock, minimal, more mineralized where episode is on fracture surface	
E813150		WH23276801	19-Sep-23	NAD83 Z8N	480758.062	6663291.15	1605.8	Float	Diorite	Coarse grained silica altered diorite with blebs of galena throughout. Pale pink to white silica altered diorite coarse grained, blebs of galena.	Moderate pervasive silica alteration.		Blebs of galena	
I357478		WH23276801	21-Sep-23	NAD83 Z8N	481904	6663487	1724	Float	Quartz vein	Rusty orange weathering quartz vein float with limonite pits, cubic pyrite pits, coarse (? 2mm) pyrite masses; rare in talus field, snow covered				
I357479		WH23276801	21-Sep-23	NAD83 Z8N	482538	6663879	1821	Float	Quartz vein	Float on bedrock of quartz vein with limonite vugs; no visible sulfides; rare well formed quartz crystal intergrowths; rusty soil; largest piece 5x10x3cm				
E812101		WH23276801	18-Sep-23	NAD83 Z8N	480938.112	6662612.14	1756.9	Grab	Rhyolite	Galena in rhyolite	No alteration		Blebby galena.	
E812102		WH23276801	19-Sep-23	NAD83 Z8N	480433.06	6662086.15	1734.9	Grab	Granodiorite	Qtz vein, pyrite plus more? Possible chalco. Or just pyrite? ~4-6cm wide between Basalt and granodirorite. Orientation:087/85. Vein between Basalt and granodirorite. Both hosts Minor pyrite. Vein is 4-6cm thick with pyrite and some chlorite or epidote greenish alteration.	Weak disseminated pyrite alteration?		Blebby pyrite chunks in vein, disseminated in host rocks.	Vein [087/85]
E812103		WH23276801	19-Sep-23	NAD83 Z8N	480457.77	6662096.05	1745	Grab	Granodiorite	Epidote plus qtz fracture or vein zone. Mineralized w pyrite. Contact w granodirorite strong purple and red oxidation on weathered surface of outcrop.	Moderate iron oxide alteration	Qtz epidote veins fracture infill granodirorite.?	Disseminated and blebby pyrite.	
E812104		WH23276801	19-Sep-23	NAD83 Z8N	480484.233	6662104.44	1767.9	Grab	Granodiorite	Granodirorite w disseminated pyrite and thin 1 to 2mm veinlets filled with pyrite , oxidized minerals.	Weak selective alteration of pyrite		Pyrite and possibly arseno.	

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E812105		WH23276801	19-Sep-23	NAD83 Z8N	480520.087	6662118.18	1789.5	Grab	Granodiorite	Vein in granodirorite. Rusty on weathered surface and oxidized qtz vein with blebby to massive pyrite and blebby chalco? Orientation ~ 066?	Moderate disseminated alteration of pyrite	Thin 5 or 6 cm vein at max, variable width. Full of pyrite plus possible chalco. 40% mineralization	Pyrite and chalco in qtz vein. Heavily oxidized. Possible arseno.?	
E812106		WH23276801	19-Sep-23	NAD83 Z8N	480525.338	6662112.02	1787.5	Grab	Granodiorite	Huge fingernail sized xls of pyrite, silvery colour, in a quartz pocket or vein.	Moderate selective iron oxide alteration.		Large well formed xls of arseno? In a quartz cavity or vein.	
E812107		WH23276801	19-Sep-23	NAD83 Z8N	480739.395	6663265.63	1607.1	Float	Unknown	Carbonate vfg light green beige.	Weak selective carbonate alteration		Tiny pyrite. Calcite.	
E812108		WH23276801	19-Sep-23	NAD83 Z8N	480971.938	6663434.82	1612	Float	Unknown	Heavily clay altered vfg solicitous float. Altered granodirorite? Tiny pyrite.	Very strong pervasive clay alteration		Tiny bit of pyrite.	
E812109		WH23276801	19-Sep-23	NAD83 Z8N	480970.253	6663431.49	1610.3	Float	Granite	Less altered than 107 with pyrite clusters. Qtz rich with iron oxidation and clay alteration.	Strong selective clay alteration		Tiny pyrite concentrated in cavities or fracture infill or replacement.	
	23SR076		19-Jul-23	UTM NAD83 Z8N	477806	6659547	1807	Station	Quartz diorite	Top of Moraine showing. Dropped off for heli set out. Nisling group gneisses also present. Boulder field with mix of Nisling group and Whitehorse Suite. Various rock types present - porphyritic dacite (green, fine grained groundmass with white feldspar phenocrysts/amygdules?), Whitehorse group magnetic biotite-hornblende quartz diorite to diorite. Rusty quartz veining but it doesn't contain much sulfide. Mafic/intermediate volcanic dike material that has epidote amygdules and medium grey-green fine grained groundmass. Flow-banded rhyolite boulders with entrained quartz clasts, they have microfolds, brecciation of banding but not consistent. Also some rocks that are very yellowy cream in colour due to significant clay alteration.	Nisling: some is very gossanous; others not at all. Argyllite alteration. Whitehorse group: epidote alteration, some potassic alt.	Nisling group has some quartz veins ranging from mm scale up to 3cm wide.	Minor trace pyrite in some of the veining in the Nisling group gneisses.	
	23SR077		2023-07-19	UTM NAD83 Z8N	477700	6659557	1777	Station	Quartz diorite	Whitehorse group quartz diorite. Down at the bottom below the rock glacier where Ryan previously sampled. Different phases of pluton present; ranges from fine grained to coarse grained material seen elsewhere. Weathered surface of the fine grained phase appears peachy to green to light grey. Too irregularly shaped to be a dike as originally thought. 3 float samples and 2 boulder samples from Ryan (3852750, 3852789, 3852749, 3852745, 3852746)	Mixing textures/veinlets/stockwork type textures present on the weathered surface.			
	23SR080		2023-07-19	UTM NAD83 Z8N	477238	6659588	1712	Station	Quartz diorite	Whitehorse group quartz diorite. High/distal part of the system if it is within a porphyry. Massive medium grained phase with a possible second fine grained phase. Less magnetic than the other side.	Epidote veining. No sulfide staining like other side.			

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	23SR081		2023-07-19	UTM NAD83 Z8N	476766	6659703	1640	Station	Quartz diorite	Finer grained phase of Whitehorse group? Bumpy veining on weathered surface. Light to medium grey. Weak patchy magnetism. Not all outcrop is magnetic.				
	YY24501A		2023-07-20	UTM NAD83 Z8N	477985	6661322	1625	Station	Quartz diorite	Whitehorse group, fresh surface is peach to light grey/white spotty. Weak patchy magnetism, boulders along the bottom of ridge.	Minor potassic and epidote alteration.			
	YY24502A		2023-07-20	UTM NAD83 Z8N	477951	6661287	1633	Station	Quartz diorite	Whitehorse group, fresh surface is peach to light grey/white spotty. Weak patchy magnetism, boulders along the bottom of ridge.	Minor potassic and epidote alteration but less than previously seen.			
	YY24503A		2023-07-20	UTM NAD83 Z8N	477904	6661244	1642	Station	Quartz diorite	Whitehorse group, fresh surface is peach to light grey/white spotty. Weak patchy magnetism, boulders along the bottom of ridge.	Minor potassic and epidote alteration but less than previously seen.			
	YY24504A		2023-07-20	UTM NAD83 Z8N	477850	6661202	1654	Station	Quartz diorite	Moderate pervasive magnetism, more than previous stations. Whitehorse group. Coarse grained.	Minor potassic and epidote alteration but less than previously seen.			
	YY24505A		2023-07-20	UTM NAD83 Z8N	477804	6661151	1658	Station	Quartz diorite	Mostly whitehorse group but some rhyolite (?) float that is very silicified with minor hematite staining/oxidation and tiny quartz stringers in some of the cobbles.	Minor hematite staining/oxidation.	Tiny quartz stringers in some of the cobbles.	No apparent mineralization.	
	YY24506A		2023-07-20	UTM NAD83 Z8N	477766	6661111	1666	Station	Quartz diorite	Whitehorse group mainly in the boulder field, not as much rhyolite float.	Less potassic and epidote alteration.		No apparent mineralization.	
	YY24507A		2023-07-20	UTM NAD83 Z8N	477694	6661085	1674	Station	Quartz diorite	Whitehorse group, plus some rhyolite (flow banded) float. Some minor quartz float, but is not mineralized or rusty.		One talus chunk of quartz veinlets and vugs with terminating quartz crystals but no apparent mineralization and was too small to sample.		
	YY24508A		2023-07-20	UTM NAD83 Z8N	477641	6661064	1682	Station	Quartz diorite	Mostly Whitehorse group. One large boulder of volcanoclastic rock that is green-brown in groundmass colour and has subrounded to subangular fragments that mostly appear to be mafic with 1 or 2 white clay altered looking fragments. Non magnetic.			No apparent mineralization.	
	YY24509A		2023-07-20	UTM NAD83 Z8N	477595	6661040	1683	Station	Quartz diorite	Whitehorse group, not much variety. Boulder size increasing at this spot in the talus slope. Weak pervasive magnetism.				
	YY24511A		2023-07-20	UTM NAD83 Z8N	477526	6660969	1687	Station	Quartz diorite	Whitehorse group talus. Possible boulder of aplite or just finer grained phase of whitehorse group. Weak to moderate pervasive magnetism in the whitehorse group biotite-hornblende quartz diorite.	Slight increase in epidote and potassic alteration. The boulder of aplite/finer grained phase appears to have more significant clay alteration and minor chlorite alteration along some fracture planes.		Trace amounts of tarnished very fine to fine grained sulfides, looks mainly like pyrite.	

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	YY24512A		2023-07-20	UTM NAD83 Z8N	477482	6660962	1690	Station	Quartz diorite	Whitehorse group, weak to moderate pervasive magnetism. Minor QFP boulders. Minor boulders of rhyolite. QFP boulders have clay alteration in the groundmass (?) are creamy yellowy peach and it is very fine grained to aphanitic. Minor boulders of mafic dike material.	Epidote alteration on fracture planes of some whitehorse group. Clay alteration of QFP boulders.			
	YY24513A		2023-07-20	UTM NAD83 Z8N	477439	6660922	1692	Station	Quartz diorite	Mostly Whitehorse group boulders. Minor volcanic cobbles (porphyritic dacite? Green looking) and one darker mafic volcanoclastic rock. One piece of quartz vein float, oxidized but appears barren. Weak to moderate patchy magnetism.	Minor potassic alteration on the Whitehorse group rocks.			
	YY24514A		2023-07-20	UTM NAD83 Z8N	477393	6660901	1699	Station	Quartz diorite	Whitehorse group quartz diorite. Talus slope area appears overall more bleached and white on weathered surface. Moderate pervasive magnetism.	Small amount of cobbles appearing more fine grained or clay altered. Patches of weak hematite staining or oxidation on some boulders.			
	23SR082		2023-07-20	UTM NAD83 Z8N	477097	6661120	1886	Station	Feldspar porphyritic dike	Outrop near top of the ridge. Weathered surface is green brown, fresh surface is grey green. Very jointed/fractured along outcrop, mostly pointing downslope. Clasts of Whitehorse group within, from 10-15cm diameter and mostly oval to oblong shape. Fine grained potential amygdules (?) or phenocrysts that are white (feldspar?) within the very fine grained groundmass. Chlorite-biotite-quartz in the groundmass.	Epidote (significant) along many fracture planes, some even crystalline.	Thin white and green (epidote) veinlets running through outcrop.		
	23SR083		2023-07-20	UTM NAD83 Z8N	476899	6661255	1950	Station	Quartz diorite	Top of ridge. Very much a flat plateau. Very flat with loose boulders and minor vegetation including moss, grass, flowers. Mix of the dike seen at 23SR082 along the east side of the ridge for about 30-50 metres out, then a strip of whitehorse group with various levels of clay alteration, then some possible Nisling group but more likely just another phase of the Whitehorse group. Then moves back into the Whitehorse group which is more peachy/tan in colour and smaller cobbles to pebbles rather than boulders moving towards the north side of the ridge.		One small piece of rusty quartz vein float but it had no apparent mineralization and was too small to sample.		
	YY24515A		2023-07-20	UTM NAD83 Z8N	476882	6661488	1932	Station	Quartz diorite	Whitehorse group, smaller cobbles as opposed to boulders. Creamy tan colour for sandy bits and light grey for rock. Moderate, somewhat patchy magnetism. Some pebbles/small cobbles of an unknown light geen grey rock with very fine grained to aphanitic groundass and dark green to white phenocrysts (porphyritic dacite dike?).				

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	YY24516A		2023-07-20	UTM NAD83 Z8N	476953	6661420	1942	Station	Quartz diorite	Whitehorse group talus. Moderate magnetism, relatively pervasive. Less of the unknown greenish grey volcanic (porphyritic dacite?).	Lots of epidote alteration and some chlorite along weathered surface and fracture planes of cobbles.	Some thin epidote veinlets in some of the cobbles.		
	YY24517A		2023-07-20	UTM NAD83 Z8N	477023	6661384	1949	Station	Quartz diorite	Whitehorse group. Moderate magnetism, relatively pervasive.	Less epidote alteration compared to YY24516A.			
	23SR084		21-Jul-23	UTM NAD83 Z8N	477173	6662722	1730	Station	Quartz diorite	Whitehorse group. Coarse grained. Weathered surface is tan peachy in some spots, and fresh surface is light grey to white. Weak to moderate patchy magnetism. Outcrop. Quite massive.	Weak sericite/clay alteration of some feldspars, no visible epidote or hematite staining.			
	23SR086		21-Jul-23	UTM NAD83 Z8N	477169	6662833	1814	Station	Quartz diorite	Whitehorse group, coarse grained. Weathered surface is light green to cream to pale pink, fresh surface is light grey. Moderate patchy magnetism.	Minor rusty patches. Epidote alteration, more in comparison to other stations. Minor amounts of hematite staining along some fractures.	Patchy thin quartz veneer along a boulder sitting on top of the outcrop, but bull white and looked barren, no rust.		
	23SR087		21-Jul-23	UTM NAD83 Z8N	477268	6662794	1802	Station	Biotite hornblende quartz diorite	Whitehorse group. Outcrop, possible subcrop. Massive, coarse grained. Weathered surface is light grey to cream, fresh surface is the same.	Minor potassic alteration of some feldspars and minor very weak epidote alteration.	2 distinct types of veins/dikes/phases running through. First: sugarly, finer grained cream colour, 2-3cm wide. Looks like a finer grained phase of the Whitehorse group. It's not pure quartz, looks more like an aplite or super fine grained QFP but hard to say. Second: Thin sub mm epidote veinlet that crosscuts the first type of vein, and has a 1cm wide halo on either side of the veinlet.	No apparent mineralization.	
	23SR088		21-Jul-23	UTM NAD83 Z8N	477305	6662819	1817	Station	Quartz diorite	Whitehorse group. Coarse grained. Moderate patchy magnetism. Weathered surface is peachy light green grey.	Moderate epidote along fracture planes. Some potassic alteration.	Thin sub mm epidote veinlets visible, or just the fracture planes coming out to the weathered surface. No apparent veining aside from one 2cm wide finer grained phase that was too high on the cliffy outcrop to safely sample, but it didn't appear mineralized.		
	23SR089		21-Jul-23	UTM NAD83 Z8N	477415	6662874	1856	Station	Biotite hornblende quartz diorite	Outcrop/subcrop of Whitehorse group. Moderate pervasive magnetism. Both weathered and fresh surfaces are light grey in colour. Coarse grained mafic minerals and medium grained felsic minerals.	Weak sericite/clay alteration of some feldspars, no visible epidote or hematite staining. Weathered surface has oxidation of mafic minerals.			
	23SR090		21-Jul-23	UTM NAD83 Z8N	477645	6662905	1851	Station	Quartz diorite	Outcrop/subcrop of whitehorse group. Quartz diorite with less mafics than 23SR089. Mostly medium grained. Weathered surface is light brown to tan to cream. Fresh surface is light grey. Patchy moderate magnetism.	Weak epidote alteration and weak to moderate potassic alteration along some of the fracture planes/weathered surface of the outcrop.	No apparent mineralization.		

Sample_ID	Station	Workorder	Date	UTM Zone	Easting	Northing	Elevation (m)	Sample_Type	Lithology	Lith_Notes	Alteration_Notes	Vein_Notes	Mineralization_Notes	Structural
	23SR091		21-Jul-23	UTM NAD83 Z8N	477877	6662917	1844	Station	Quartz diorite	Whitehorse group, medium to coarse grained. Weathered surface is tan to light grey. Fresh surface is light grey. Strong relatively pervasive magnetism. Some biotite and possible hornblende in the rock.	Minor potassic alteration along fractures and some weathered surfaces. Minor weak epidote alteration. Weak chloritization of biotite? Some grains appear green.			
	23SR092		21-Jul-23	UTM NAD83 Z8N	477940	6662911	1835	Station	Biotite quartz diorite	Whitehorse group. 25-30% mafics. Weathered surface very covered in lichen but appears to be mostly light grey. Possible boulders up 100m or so of a mafic dike but hard to tell, kind of cliffy to reach them with some loose boulders below. Minimal mafic dike float though, approximately 2-3 pieces. Moderate to strong pervasive magnetism.	Minor chlorite alteration of biotite. Weak epidote alteration along fractures. Weak hematite staining/oxidation along fractures.		No apparent mineralization.	
	YY24518A		21-Jul-23	UTM NAD83 Z8N	477895	6662536	1619	Station	Quartz diorite	Right at the bottom of a talus fan/ridge. Mostly Whitehorse group in the talus but also some dike material.	Nothing rusty observed	Not much veining at all visible. Some tiny veinlets but no rusty quartz vein float.		
	YY24519A		21-Jul-23	UTM NAD83 Z8N	477929	6662560	1620	Station	Quartz diorite	Whitehorse group. Talus/boulder field. Patchy weak magnetism.	Minor potassic alteration.		No juicy looking chunks :(	
	YY24520A		21-Jul-23	UTM NAD83 Z8N	477981	6662565	1619	Station	Quartz diorite	Bottom of talus slope of Whitehorse group quartz diorite. Patchy weak to moderate magnetism.				
	YY24521A		21-Jul-23	UTM NAD83 Z8N	478035	6662525	1615	Station	Quartz diorite	Right along talus of Whitehorse group rocks.	Minor potassic alteration.			
	23SR095		22-Jul-23	UTM NAD83 Z8N	480105	6662137	1572	Station	Gabbro?	Possible gabbro or more mafic phase of Whitehorse group. Unsure which intruded which. Areas of outcrop on weathered surface range from light grey blue to white splotchy to a greensih grey and white salt and pepper texture. Grain size ranges from very fine grained to coarse.	Minor patches of epidote alteration on some white spots.	No apparent veining aside from some fingers of the white rock (Whitehorse group).	No apparent mineralization.	
	YY24525A		22-Jul-23	UTM NAD83 Z8N	480153	6662213	1575	Station	Quartz granodiorite	Whitehorse group mostly but starting to get QFP/rhyolite chunks. Oxidized but no visible sulfides in the few broken open. Otherwise just multiple phases of the Whitehorse group.				
	YY24526A		22-Jul-23	UTM NAD83 Z8N	480194	6662268	1578	Station	Quartz granodiorite	Vegetated talus slope. Mostly Whitehorse group with minor float of orange QFP.	Lots of orange oxidation along grain boundaries and sericite alteration. Weak epidote alteration.			
	YY24527A		22-Jul-23	UTM NAD83 Z8N	480243	6662358	1578	Station	Quartz granodiorite	Whitehorse group mostly within the talus slope. Soil taken from vegetated ridge between talus slopes.				
	YY24528A		22-Jul-23	UTM NAD83 Z8N	480278	6662423	1589	Station	Quartz granodiorite	Edge of talus slope, on vegetation. Whitehorse group rocks with less QFP/orange/rhyolite float. Almost looks whiter and possibly clay altered.				
	YY24529A		22-Jul-23	UTM NAD83 Z8N	480325	6662490	1597	Station	Quartz granodiorite	Whitehorse group talus, varying grain sizes and weatherd surface colour ranges from light grey to cream to a medium grey. Not many, if any chunks that are orange/rusty/QFP looking.		"Veining" within some of the boulders looks like just a finer grained phase of the WHG (or aplite?) not quartz veining and it is not mineralized.		

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	YY24530A		22-Jul-23	UTM NAD83 Z8N	480368	6662543	1604	Station	Quartz granodiorite	Whitehorse group with more orange/QFP/rhyolite dike float. Some darker green more mafic looking chunks with minor quartz veinlets. Vegetation between thin talus slides.			No apparent mineralization.	
	23SR097		22-Jul-23	UTM NAD83 Z8N	480396	6662565	1605	Station	Quartz granodiorite	Outcrop with mafic dike. Medium to coarse grained Whitehorse group quartz granodiorite or just diorite. Dike is brown on weathered surface and medium grey green on fresh surface. Strong pervasive magnetism in dike, it is aphanitic. Host rock is non magnetic.	Chlorite along fracture planes, some clay alteration.			Dike [003/24]
	YY24532A		22-Jul-23	UTM NAD83 Z8N	480484	6662693	1603	Station	Granodiorite	Small assorted cobbles, some rusty chunks but mostly the larger boulders are Whitehorse group.				
	YY24533A		22-Jul-23	UTM NAD83 Z8N	480515	6662768	1609	Station	Granodiorite	Whitehorse group talus, non magnetic. White and grey in colour, moving away from the buff coloured chunk of talus.				
	YY24534A		22-Jul-23	UTM NAD83 Z8N	480546	6662828	1612	Station	Granodiorite	Whitehorse group talus slope.				
	YY24535A		22-Jul-23	UTM NAD83 Z8N	480587	6662829	1601	Station	Granodiorite	Whitehorse group talus field with some vegetation. Not much, if any, buff coloured talus.				
	23SR101		22-Jul-23	UTM NAD83 Z8N	480720	6662990	1649	Station	Quartz diorite	Fine grained biotite quartz diorite +/- hornblende. Weathered surface is light green grey, fresh surface is the same.	Weak chlorite alteration of biotite(?). Weak clay/sericite alteration of some feldspar grains. Weak epidote alteration.		Trace very fine grained pyrite.	
	YY24536A		22-Jul-23	UTM NAD83 Z8N	480693	6663029	1633	Station	Granodiorite	Whitehorse group talus, moderately patchy magnetism. Boulders are white to cream coloured. Not too much variety but there are some veins of fine grained WHG looking material within some of the boulders but they don't appear to carry any mineralization.				
	YY24537A		22-Jul-23	UTM NAD83 Z8N	480729	6663025	1627	Station	Granodiorite	Within a talus slope of mostly Whitehorse group rocks. Some small bits of QFP and other WHG with varying amounts of mafics. Nothing very rusty.				
	23SR102		22-Jul-23	UTM NAD83 Z8N	480733	6663011	1633	Station	Mafic volcanic	Mafic volcanic dike, approximately 1-2 metres wide, that crosscuts the Whitehorse group biotite-hornblende quartz diorite. Weak pervasive magnetism in the dike. Porphyritic - has a very fine grained to aphanitic dark green grey groundmass with phenocrysts (amygdules?) of white feldspar. Whitehorse group material is moderately to strongly pervasively magnetic.	Chlorite and epidote on the fracture planes of the outcrop along with hematite staining (on both units).		No apparent mineralization.	

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	YY24538A		22-Jul-23	UTM NAD83 Z8N	480750	6662999	1633	Station	Granodiorite	Whitehorse group talus. Moderate to strong pervasive magnetism. Weathered surface colour of many of the rocks is peachy cream.	More clay alteration in this area of boulders. Less epidote alteration observed here but still some. Minor chlorite alteration of biotite, and mafic minerals in general starting to show oxidation, turning red.	No quartz veining observed.		
	23SR103		22-Jul-23	UTM NAD83 Z8N	480762	6662984	1631	Station	Gabbro?	Outcrop. Whitehorse group quartz diorite that is in contact with ? a gabbro dike or just a finer grained/more mafic phase of itself. Variable grain size, from fine grained to coarse grained. Colour is medium grey green on weathered surface and same colours on fresh. Whitehorse group quartz diorite is medium to coarse grained and has strong pervasive magnetism. Weathered surface is light to medium grey, fresh surface is white.	WHG has minor chlorite alteration and some epidote on fracture planes. Dike/gabbroic unit has minor epidote alteration along fractures and some chlorite alteration of mafics.			
	23PWSI001			UTM NAD83 Z8N	477703	6659545	1771	Station	Quartz diorite	Salt and pepper weathered hbl qtz diorite of the Whitehorse suite; pervasive epidote and chlorite alteration ; cut by well formed joint set; includes a fine-grained slightly fsp porphyritic phase that has chilled margin contacts locally; fingers and dyklets of the coarser-grained phase throughout; many of the the joint surfaces coated with qtz, ep and chl; moderately magnetic	Pervasive epidote and chlorite alteration.			Joint [059/80]
	23PWSI002			UTM NAD83 Z8N	477331	6659639	1714	Station	Quartz diorite	From last station talus of of volcanic and plutonic rock; at this station Whitehorse suite fairly intense, pervasive epidote alteration, concentrated along fractures and some mineral replacement	Pervasive epidote alteration.			Joint [252/81]
	23PWSI003			UTM NAD83 Z8N	478835	6661048	1691	Station	Hornblende quartz diorite	Hbl, qtz diorite; from camp walked up boulder talus of Whitehorse suite qtz diorite; at this sation qtz diorite; moderately magnetic; minor epidote alteration along fracture surfaces; thin qtz veins developed along main through-going fracture/joint set with minor disseminated py	Minor epidote alteration along fracture surfaces.	Thin quartz veins developed along main thrugh-going fracture/joint set with minor disseminated pyrite.		Joint [354/88]
	23PWSI004			UTM NAD83 Z8N	478953	6661252	1657	Station	Hornblende quartz diorite	From last station walked though similar rock; at this station same hbl, qtz diorite cut by brown to beige weathered and fresh fsp porphyry dyke at least 5 m wide; chilled margins in dyke; little alteration of the qtz diorite				Dike [040/88]
	23PWSI005			UTM NAD83 Z8N	479069	6661307	1641	Station	Hornblende quartz diorite	Qtz diorite, same as previous stations; hbl up to 5 mm; well-formed joint/fracture set coated with limonite, minor qtz ep chl veins along fractures; slicks on several joint surfaces	Joint/fracture set coated with limonite.	Minor quartz epidote chlorite veins along fractures.		Joint [243/88]; Slicks [052/45]

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	23PWSI006			UTM NAD83 Z8N	479087	6661258	1680	Station	Quartz diorite	Qtz diorite cut by 2 m wide brown to dark grey weathered, dark grey fresh, very fine-grained mafic dyke				Dike [072/80]
	23PWSI007			UTM NAD83 Z8N	479167	6661216	1658	Station	Quartz diorite	Copper North showing; Qtz diorite, cut by fractures with very thin ~2 mm qtz carb veins with rusty weathered surfaces; py, cpy, mal, az on fracture surfaces; where veins are concentrated within a few centimeters of each other, qtz diorite hosts semi-massive py and cpy; the showing is not large, ~4 x 5 m; observed farther up steep cliffs but not accessible		Fractures with very thin ~2mm quartz carbonate veins with rusty weathered surfaces. There is pyrite, chalcopyrite, malachite, azurite on fracture surfaces. Where veins are concentrated within a few cm of each other, the host rock has semi-massive pyrite and chalcopyrite.		Joint/vein [080/79]
	23PWSI008			UTM NAD83 Z8N	479302	6661083	1672	Station	Quartz diorite	From last station walked through talus of similar qtz-diorite; starting to see more qtz, ep, chl veining within talus fragments with rusty limonite surfaces; At this station large enclave of fine-grained diorite, dark grey weathered and fresh, several meters wide and long; magma mixing evident from the presence of regular qtz-diorite dykes and dylets with finer grained material and vice versa		Quartz-epidote-chlorite veining observed within talus fragments that have rusty limonite surfaces.		
	23PWSI009			UTM NAD83 Z8N	479367	6660930	1714	Station	Quartz diorite	From last station more and more talus of qtz vein material with rusty patches on edges; At this station bleached and epidote altered qtz-diorite cut by closely spaced ep, chl veins and fractures; minor disseminated py and moderately magnetic		Closely spaced epidote, chlorite veins and fractures.	Minor disseminated pyrite.	Joint/fracture [040/60]
	23PWSI010			UTM NAD83 Z8N	479432	6660858	1691	Station	Quartz diorite	Qtz diorite cut by 5 to 10 cm wide banded qtz vein, bands are defined by limonite coated fractures throughout the vein parallel to vein margins; blebby and patches of py with minor magnetite		Qtz diorite cut by 5 to 10 cm wide banded qtz vein, bands are defined by limonite coated fractures throughout the vein parallel to vein margins; blebby and patches of py with minor magnetite		Vein [235/85]
	23PWSI011			UTM NAD83 Z8N	479925	6661018	1586	Station	Quartz diorite	Qtz diorite cut by E-W trending, fine-grained dioritic dyke, minor qtz veining in qtz diorite (block not in place so no measurement)		Minor quartz veining observed.		Dike [243/80]
	23PWSI012			UTM NAD83 Z8N	479794	6661190	1542	Station	Quartz diorite	Qtz diorite similar to that observed all day, moderately magnetic; cut by 10-12 m wide fsp porphyry dyke, light tan to beige/brown weathered; chilled margins are dark brown weathered and about 0.5 m wide and show good porphyritic texture; dyke is offset by an apparent sinistral fault with about 10 m of offset				Fault [090/88]
	23PWSI013			UTM NAD83 Z8N	478594	6661149	1585	Station	Biotite diorite	Dark grey weathered and fresh, coarse-grained bioitite rich diorite; weakly magnetic; thin 1 mm wide epidote and chlorite veins common throughout;		Thin 1mm wide epidote and chlorite veins common throughout.		

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	23PWSI014			UTM NAD83 Z8N	478699	6660762	1709	Station	Hornblende quartz diorite	Hbl qtz diorite, weakly to moderately magnetic; but by fine-grained, dark grey weathered and fresh diorite dyke (1 to 1.5 m) wide; slight layering of the hornblende cystals in the qtz diorite				Dike [274/85]
	23PWSI015			UTM NAD83 Z8N	478626	6660520	1744	Station	Hornblende quartz diorite	From the last station same qtz diorite; minor qtz-ep-chl veins developed along E-W fractures; At this station qtz diorite cut by 5 m wide fine-grained dark grey diorite dyke; slight magmatic layering in qtz diorite that fingers from the dyke flow along		Minor quartz-epidote-chlorite veins developed along E-W fractures.		Dike [005/85]
	23PWSI016			UTM NAD83 Z8N	478620	6660285	1792	Station	Hornblende quartz diorite	From last station similar rocks; at this station hbl-qtz-diorite cut by well formed joint/fracture sets; ep, chl, qtz smears found on joint plane, very minor disseminated py; some float of quartz vein material; slicken lines found on joint surface	Epidote chlorite quartz smears found on joint plane.			Joint [242/86]; Slicks [056/46]
	23PWSI017			UTM NAD83 Z8N	478679	6659902	1868	Station	Hornblende quartz diorite	Hbl, qtz diorite, cut by well formed joint sets; slight pinkish colouring to surface of outcrop; moderately magnetic; joint planes coated with ep, chl	Joint planes coated with epidote and chlorite.			Joint [156/55]
	23PWSI018			UTM NAD83 Z8N	478851	6659738	1965	Station	Quartz diorite	Contact between qtz diorite and qtz fsp porphyry, rhyolite dyke; dyke is 100s of m wide; beige to orange/tan weathered and fresh; grey qtz eyes and white fsp in a very fine grained matrix; large blocks (?) of brecciated dark grey rhyolite with clasts of light grey felsic volcanic and minor hbl diorite clasts (blocks at least 50-60m wide...maybe dyke intruding into these rhyolites)				
	23PWSI019			UTM NAD83 Z8N	479015	6659627	1941	Station	Rhyolite	SV-2 Showing; Contact between porphyritic rhyolitic dyke of last station and dark grey flow banded rhyolite; qtz veins developed at the contact; 2 larger veins up to 50 cm wide and several smaller 5 to 10 cm wide; veins are white to translucent quartz crystals, locally vuggy with minor disseminated py +/- aspy; minor scorodite and hematite found on fractures in veins; wall rock fragmentst are common in the vein elongated ones are parallel to the vein walls	Minor scorodite and hematite found on fractures in veins.	Quartz veins developed at the contact; 2 larger veins up to 50 cm wide and several smaller 5 to 10 cm wide; veins are white to translucent quartz crystals, locally vuggy with minor disseminated py +/- aspy; minor scorodite and hematite found on fractures in veins; wall rock fragmentst are common in the vein elongated ones are parallel to the vein walls		
	23PWSI020			UTM NAD83 Z8N	479019	6659547	1958	Station	Rhyolite	Contact between qtz diorite and rhyolite complex; dacite to rhyolite dykes intruding diorite along contact; rhyolite complex appears to be composed of porphyritic dyke flow banded rhyolite; rhyolite breccias etc, almost in a layered sequence; not clear relationships; the contact with the qtz diorite is sharp and straight, there is faulting along it, but not much				

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	23PWSI021			UTM NAD83 Z8N	478225	6660314	1738	Station	Hornblende quartz diorite	Hbl qtz diorite, moderately magnetic, strongly locally; cut by well formed joint/fracture sets; some joints have rusty, ep, chl smears on them; fractures fanning out from the joint plane may suggest some sinistral slip on joint surface	Some joints have rusty, epidote, chlorite smears on them.			Joint [078/88]
	23PWSI022			UTM NAD83 Z8N	477979	6660240	1729	Station	Hornblende quartz diorite	Hbl qtz diorite, same as last station; cut by 1m wide fine-grained mafic dyke				Dike [061/38]
	23PWSI023			UTM NAD83 Z8N	477821	6660020	1673	Station	Hornblende quartz diorite	Hbl qtz diorite, similar to last couple stations; moderately magnetic mostly around clusters of hbl; subcrop				
	23PWSI024			UTM NAD83 Z8N	477892	6660374	1669	Station	Quartz diorite	Similar qtz diorite to last few stations				Joint [146/84]; Joint [275/88]
	23PWSI025			UTM NAD83 Z8N	481417	6662974	1783	Station	Biotite hornblende quartz diorite	White to light grey/beige weathered, medium grained bt +/- hbl granodiorite; cut by 1.5 m wide fine-grained mafic dyke; both rock types are moderately magnetic				Dike [064/85]
	23PWSI026			UTM NAD83 Z8N	481429	6662802	1812	Station	Granodiorite	From last station several o/c's and talus of granodiorite; at this station same granodiorite with a few rusty weathered limonite coated fractures with minor disseminated py foun near the fractures in the gd	Few rusty weathered limonite coated fractures.		Minor disseminated pyrite on fractures.	Fracture [085/88]
	23PWSI027			UTM NAD83 Z8N	481412	6662659	1821	Station	Granodiorite	From last station talus of mainly gd; at this station wide (40m) zone of deformation and alteration developed within granodiorite with a rhyolite dyke found in the centre; transitions from regular gd, into rusty weathered gd, then fractured and rusty gd, finally into a bleached and fractured orange/brown/tan weathered rhyolite dyke, then back into gd; very rusty/gossany fractures and wider zones within the central parts of the fault/alteration zone				
	23PWSI028			UTM NAD83 Z8N	481454	6662363	1830	Station	Granodiorite	From last station walked through a mix of gd and grey weathered, slightly hbl porphyritic greenish granodiorite; at this station dark grey/green weathered and fresh fine-grained bt rich granodiorite/qtz diorite				
	23PWSI029			UTM NAD83 Z8N	481446	6662252	1827	Station	Granodiorite	Mixed medium grained and finer grained granodiorite and qtz diorite, seems to be intermingled magmas, mutually cross-cutting relationships				
	23PWSI030			UTM NAD83 Z8N	481458	6662033	1897	Station	Granodiorite	From last station quickly got into a large section of light grey weathered bt granodiorite (~200m wide), then back into mixed fine-grained bt gd and qd; at this station fine-grained bt granodiorite to qtz diorite intruded by fingers and dykes of medium grained bt granodiorite				
	23PWSI031			UTM NAD83 Z8N	481185	6661800	1992	Station	Granodiorite	Medium grained bt granodiorite with abundant fine-grained mafic enclaves; mixing of the two phases probable				

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	23PWSI032			UTM NAD83 Z8N	480474	6662576	1637	Station	Rhyolite	Brown to grey weathered, rusty weathered locally, deformed (fractured) rhyolite dyke, disseminated cubic pyrite, patchy limonite and limonite coated fractures	Patchy limonite and limonite coated fractures.		Disseminated cubic pyrite.	Fracture [098/86]
	23PWSI033			UTM NAD83 Z8N	480567	6662550	1688	Station	Feldspar porphyry	From last station walked up talus of similar rocks and fine-grained mafic dykes; at this station light to medium grey weathered, dark grey/green weathered fsp porphyry, very siliceous; white fsp within a fine-grained matrix of greenish/grey crystals; fractured and broken outcrop				
	23PWSI034			UTM NAD83 Z8N	480660	6662531	1717	Station	Biotite hornblende diorite	From last station a mix of altered rhyolite dyke; granofiorite and fsp porphyry; at this station a fine-frained bt +/-hbl diorite, slightly magnetic and very hard to break; altered and silicified	Altered and silicified.			Fracture [262/79]
	23PWSI035			UTM NAD83 Z8N	480685	6662569	1726	Station	Granodiorite	Brown to rusty weathered medium grained bt granodiorite; cut by closely spaced fractures				Fracture [260/88]
	23PWSI036			UTM NAD83 Z8N	480849	6662591	1838	Station	Granodiorite	Orange/brown grey weathered and fresh bt granodiorite; fractured and altered, fault zone; fracture surfaces coated with limonite; minor disseminated py throughout	Fracture surfaces coated with limonite.		Minor disseminated pyrite throughout.	Fracture [088/86]
	23PWSI037			UTM NAD83 Z8N	480918	6662432	1908	Station	Granodiorite	From last station mainly slightly altered orange/brown weathered granodiorite; at this station white to beige weathered strongly altered gd with network of thin 1 mm chlorite veinlets throughout		Network of thin 1mm chlorite veinlets throughout.		Joint [080/85]
	23PWSI038			UTM NAD83 Z8N	480891	6662269	1962	Station	Granodiorite	Altered and fractured brown/orange weathered granodiorite; small saddle with broken bits of rock, likely a fault; othere side of saddle is white and slightly pinkish bt +/- hbl granodiorite all bt and hbl gone mostly to chlorite	All biotite and hornblende gone mostly to chlorite.			Fault [085/88]
	23PWSI039			UTM NAD83 Z8N	480927	6662184	2020	Station	Hornblende biotite quartz diorite	White /grey/green weathered hbl-bt qtz-diorite, fine to medium grained, equigranular; orange/rusty weathered where thin Fe carbonate veins are formed along fractures; minor ep/chl alteration on joints and adjacent several cm; moderately magnetic	Minor epidote and chlorite alteration on joints and adhacent several cm.	Thin Fe carbonate veins are formed along fractures.		
	23PWSI040			UTM NAD83 Z8N	480745	6661905	1894	Station	Granodiorite	From last station talus of qtz-diorite to granodiorite; at this station mixed light to dark grey weathered hbl, bt diorite and bt granodiorite; diorite is fine-grained, granodiorite is medium grained; both moderately magnetic				Fracture [240/84]
	23PWSI041			UTM NAD83 Z8N	480629	6661934	1821	Station	Biotite hornblende diorite	Fine-grained dark grey bt-hbl diorite; similar to seen previously, minor amounts thin granodiorite veinlets; 100m downslope mixed medium grained granodiorite and fine-grained qtz diorite		Thin granodiorite veinlets.		

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	23PWSI042			UTM NAD83 Z8N	480427	6662019	1709	Station	Granodiorite	From last station mixed qd and gd; at this station buff/tan weathered rhyolite dyke within medium grained bt granodiorite; dyke is at least 5 m wide with a trend of ~165				
	23PWSI043			UTM NAD83 Z8N	480438	6662094	1717	Station	Rhyolite	Same dyke as last station ~10 m wide; buff/tan weathered rhyolite dyke within medium grained bt granodiorite; dyke has a trend of ~165				
	PW23GG1			UTM NAD83 Z8N	479644	6660577	1609	Station	Quartz diorite	Quartz Diorite outcrop with oxidized (rusty) epidote quartz vein running along the fracture pattern of the quartz dirorite outcrop. Oxidized sections contain sporadic pyrite, and the epidote vein contained disseminated pyrite (looks powdery green with pyrite)		Oxidized (rusty) epidote quartz vein running along fracture pattern, contains disseminated pyrite.		Vein [052/89]
	PW23GG2			UTM NAD83 Z8N	478654	6660684	1759	Station	Quartz diorite	Outcrop of quartz diorite with a 4cm wide epidote quartz vein with prominent rusty oxidation. Very little mineralization, a very small amount of disseminated pyrite.		4cm wide epidote quartz vein with prominent rusty oxidation.		Vein [270/71]
	PW23GG3			UTM NAD83 Z8N	478833	6659688	1989	Station	Quartz feldspar rhyolite	Contact between a porphyritic quartz feldspar rhyolite dyke (very fine grained orange beige matrix that is relatively hard with distinguishable quartz and feldspar crystals) and a very fine grained dark grey to burgandy volcanic dyke? Rhyolite dyke? Has some brecciation and some occasional small quartz crystals and small pyrite crystals. Some limonite replaced crystals also present. Breaks in a concoidal pattern and the weathered surface of this complex is burgandy with visible almost porphyritic looking crystals. Looking at the bigger picture surrounding this outcrop contact the light colored porphyritic qf rhyolite dike surrounds sections of this dark fine grained dyke in more than one place.				Fracture [050/85]
	PW23GG4			UTM NAD83 Z8N	479007	6659606	1964	Station	Rhyolite	10 to12cm quartz vein with rusty patches of oxidation in a banded rhyolite outcrop. The outcrop is dark grey with inconsistent banding pattern, very fine grained and hard. The contact between the quartz vein and the outcrop seemed to be where the rusty oxidation could be found which was sampled. Mineralization present consisted of disseminated pyrite, arsenopyrite and dark durgandy vuggy sections.		10 to12cm quartz vein with rusty patches of oxidation in a banded rhyolite outcrop. The outcrop is dark grey with inconsistent banding pattern, very fine grained and hard. The contact between the quartz vein and the outcrop seemed to be where the rusty oxidation could be found which was sampled. Mineralization present consisted of disseminated pyrite, arsenopyrite and dark durgandy vuggy sections.		Vein [289/89]

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	PW23GG5			UTM NAD83 Z8N	479041	6659507	1984	Station	Quartz diorite	Quartz diorite outcrop with rusty patches. Alteration is orange, red, burgandy oxidation that is surficially altering the quartz diorite. Very little disseminated pyrite alteration present.				
	PW23GG6			UTM NAD83 Z8N	477859	6660022	1685	Station	Quartz diorite	Quartz diorite outcrop with small epidote veins and epidote on fracture surface	Epidote on fracture surface.	Small epidote veins.		Fracture [205/81]
	PW23GG7			UTM NAD83 Z8N	481419	6662983	1784	Station	Granodiorite	Car size float boulder 5m down drom granodiorite outcrop. Fracture surface of boulder has a 1cm wide quartz epidote rusty oxidized altered vein which is hosting 25% pyrite with well formed crystals		1cm wide quartz epidote reusty oxidized altered vein that hosts 25% pyrite with well formed crystals.		
	PW23GG8			UTM NAD83 Z8N	481446	6662766	1837	Station	Granodiorite	Broken up outcrop of slightly altered rusty oxidized granodiorite. Epidote alteration is also present	Epidote alteration present.			Fracture [090/54]
	PW23GG9			UTM NAD83 Z8N	481428	6662678	1842	Station	Volcanic	Very fine grained gey green outcrop (Chlorite altedred volcanic rock) likely a dyke, rusty oxidation on fracture surfaces. Disseminated pyrite throughput rock.			Disseminated pyrite throughout rock.	Fracture [264/80]
	PW23GG10			UTM NAD83 Z8N	481402	6662614	1821	Station	Granodiorite	Transition into a finer grained granodiorite that has very little biotite and hornblende that has been chlorite altered	Chlorite alteration.			Fracture [265/65]
	PW23GG11			UTM NAD83 Z8N	481342	6661740	2027	Station	Biotite granodiorite	Fine grained chlorite biotite altered granodiorite outcrop. Outcrop has an overall green tinge to it from the chlorite. Some pale white granodiorite intrusions are present cross cutting the outcrop ranging from 30 cm to 5cm wide. Fracture surface chlorite.	Chlorite on fracture surfaces.			Fracture [200/60]
	PW23GG12			UTM NAD83 Z8N	481181	6661937	1952	Station	Biotite hornblende granodiorite	Coarse grained granodiorite with hornblende and biotite. Beige on the weathered surface. Some rusty oxidation on the fractured zones with disseminated to crystal pyrite.			Disseminated to cystal pyrite.	Fracture [060/83]
	PW23GG13			UTM NAD83 Z8N	480487	6662532	1658	Station	Biotite granodiorite	Fine grained chlorite biotite altered granodiorite outcrop. Weathered surface is green gray. Very hard to break, some rusty oxidation on hairline fractures throughout the rock. Minimal disseminated pyrite.			Minimal disseminated pyrite.	Fracture [172/62]
	PW23GG14			UTM NAD83 Z8N	480503	6662537	1670	Station	Rhyolite	Outcrop of Quartz altered rhyolite. Weathered surface is beige, very fine grained, quartz dominant, and hard to break. Quartz altered rhyolite with well formed pyrite and traces of arsenopyrite. Rusty patches are present and limonite is infilling the fractures throughout the rock.	Quartz altered. Rusty patches are present and limonite is infilling the fractures throughout the rock.		Well formed pyrite and traces of arsenopyrite.	Fracture [170/85]
	PW23GG15			UTM NAD83 Z8N	480641	6662504	1743	Station	Granodiorite	Fine grained chlorite altered granodiorite outcrop, minimal unaltered biotites and hornblende phenocrysts left. Fracture surface has blotchy small rust patches and some epidote patches. Hairline veins in rock are infilled with epidote.	Chlorite altered. Fracture surface has blotchy small rust patches and some epidote patches. Hairline veins in rock are infilled with epidote.			Fracture [291/46]

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	PW23GG16			UTM NAD83 Z8N	480760	6662601	1787	Station	Quartz feldspar rhyolite	Subcrop outcrop in rusty colored talus slope. Coarse grained limonite altered quartz feldspar granodiorite, no biotite or hornblended present has been replaced by the limonite. Powdery pale yellow to orange limonite alteration, very hard to break, very minimal flecks of pyrite, blotchy manganese throughout the rock sample.	Powdery pale yellow to orange limonite alteration.		Very minimal flecks of pyrite.	
	PW23GG17			UTM NAD83 Z8N	480860	6662613	1838	Station	Intrusive	Outcrop on ridgeline, fresh surface very fine grained grey intrusive rock. Silica rich, outcrop is quite fractured and fragmented. Very hard to break. Weathered surface is a rusty orange brown color.				
	PW23GG18			UTM NAD83 Z8N	480862	6662618	1841	Station	Granodiorite	Limonite altered granodiorite with no biotite or hornblende left, weathered surface is yellow beige with evident quartz and felspar phenocrysts. Very similar to PW23GG15.	Limonite altered.			Fracture [074/72]
	PW23GG19			UTM NAD83 Z8N	480883	6662323	1936	Station	Intrusive	Fine grained dark grey greenish tinge intrusive outcrop. Relatiely hard to break, minimal disseminated pyrite and chalcopyrite present throughout rock. Some rusty oxidation occuring on the fracture zones. Prominent fracture zone on the outcrop with slick and slide lines. Outcrop is about 1m away from other outcrop which consist of coarse grained chlorite and slight limonite altered granodiorite. Weathered surface is beige.	Some rusty oxidation occuring on the fracture zones.		Minimal disseminated pyrite and chalcopyrite present throughout the rock.	Fracture [265/65]
	PW23GG20			UTM NAD83 Z8N	480932	6662182	2025	Station	Granodiorite	Limonite altered medium grained granodiorite. Biotite is moderately chlorite altered. Groundmass is limonite altered, pale yellow to orangeWeathered surface is very rusty and orange. Minimal mineralization present, pyrite infilling hairline fractures.	Limonite altered. Biotite is moderately chlorite altered.		Minimal mineralization present, pyrite infilling hairline fractures.	Fracture [235/78]
	PW23GG21			UTM NAD83 Z8N	480763	6662034	1958	Station	Granodiorite	Fine grained chlorite altered granodiorite outcrop. Fresh surface is fine grained grey green, weathered surface has slight epidote on fracture surfaces.	Chlorite altered. Weathered surface has slight epidote on fracture surfaces.			Fracture [265/61]
	PW23GG22			UTM NAD83 Z8N	480588	6661959	1809	Station	Granodiorite	Fine grained chlorite altered granodiorite, very hard, hairline fractures are infilled with epidote. Biotite, hornblende is unaltered form and disseminated pyrite throughout.	Chlorite altered. Hairline fractures filled with epidote.		Disseminated pyrite throughout.	Fracture [205/59]
	JGC23-01		19-07-23	UTM NAD83 Z8N	477876	6659528		Station		Observations from rocky glacier near Morraine showing. Contact between banded Nisling group schists and Whitehorse Group granodiorite with volcanics on top of Nisling cut by Rhyolite ring dyke				

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	JGC23-04		19-07-23	UTM NAD83 Z8N	476880	6659543		Station		Observations: rocks located near base of melt out glacial deposit from cirque consist of 4 main rock types: 1. Mod to strong magentic Whitehorse granodiorite, more amphibole rich granodiorite (not magnetic), 3. Rusty gniess/schist, 4. Small % of Volc				
	JGC23-05		19-07-23	UTM NAD83 Z8N	476779	6659697		Station	Quartz diorite	Med grain, plag, amphibole minor biotite. Mod magnetic				
	JGC23-06		20-07-23	UTM NAD83 Z8N	477937	6661425		Station	Amphibole gabbro dike	Med grain, non-magnetic WHG intruded by dyke oriented 180/-80. 60% Plag, 40% amphibole2-5% biotite tr Qtz			Tr Py	Dike [180/80]
	JGC23-07		20-07-23	UTM NAD83 Z8N	477918	6661444		Station	Quartz diorite	med grain, variably magnetic. Magnetite increases near epidote filled fractures	minor fracture controlled epidote			Joint set 1 [170/-25]; Joint set 2 [200/-60]
	JGCS-1		20-07-23	UTM NAD83 Z8N	477861	6661505		Station	Soil	YY24539 - fg buff soil on talus slope 50m downslope from WHG outcrop				
	JGC23-08		20-07-23	UTM NAD83 Z8N	477807	6661572		Station	Quartz diorite	Med grain Whitehorse group diorite. Weakly to moderately magnetic.	Minor fracture controlled epidote			
	JGC23-09		20-07-23	UTM NAD83 Z8N	477777	6661646		Station	Quartz diorite	med grain whitehorse group intrusion as before. Weakly to moderately magnetic.				Joint set [260/-60]
	JGCS-2		20-07-23	UTM NAD83 Z8N	477772	6661697		Station	Soil	YY24540 - Talus fines. 99% barren looking WHG, 1% rusty frags with some QV				
	JGC23-12		20-07-23	UTM NAD83 Z8N	477725	6661757		Station	Amphibole gabbro	Contact between WHG and darker grey/black and finer grain amphibole gabbro. Some shearing parallel to contact				contact [240/-75]; foliation [240/-75]
	JGCS-3		20-07-23	UTM NAD83 Z8N	477722	6661761		Station	Soil	YY24541 - Talus fines downslope from rusty gabbro - Station JGC23-11				
	JGCS-4		20-07-23	UTM NAD83 Z8N	477701	6661831		Station	Soil	YY24542 - Talus fines. Mostly WHG with 5-10% rusty hornblende gabbro frags with trace Py				
	JGCS-5		20-07-23	UTM NAD83 Z8N	477612	6661833		Station	Soil	TYY24543 - Talus fines from area with 5-10% rusty WHG quartz diorite				
	JGCS-6		20-07-23	UTM NAD83 Z8N	477503	6661889		Station	Soil	YY24544 - Talus fines - 90% WHG, 2-5% rusty WHG				
	JGCS-7		20-07-23	UTM NAD83 Z8N	477440	6661895		Station	Soil	YY24545 - 90% barren WHG, 5-10% rusty hornblend gabbro/ some pyroxenite				
	JGC23-15		20-07-23	UTM NAD83 Z8N	477361	6661896		Station	Feldspar porphyry	med green, fine grain feldspar porphyry with minor epidote on fractures. Talus slope	min fracture controlled ep			
	JGCS-8		20-07-23	UTM NAD83 Z8N	477252	6661911		Station	Soil	YY24546 - Talus fines taken from area near rusty QV				
	JGC23-19		20-07-23	UTM NAD83 Z8N	477153	6661856		Station	Rhyolite	Fine grain buff coloured flow banded rhyolite dike. Flow banding parallel to contacts. No veining or sulphides	Mod perv sericite			Contact [060/-80]
	JGC23-20		20-07-23	UTM NAD83 Z8N	477136	6661883		Station	Hornblende gabbro	Med grain, 70% hornblende, 305 plag - non magnetic				
	JGCS-9		20-07-23	UTM NAD83 Z8N	477146	6661938		Station	Soil	YY24547 - Talus fines below Rhyolite dyke				
	JGC23-21		20-07-23	UTM NAD83 Z8N	477037	6662041		Station	Quartz diorite	Med greain qtz doiorite. 10-70% plag, 25% hornblende, 5% qtz, 5% ep/biotite. Typical WHG. weakly magentic except arounf epidote filled fractures				
	JGC23-22		20-07-23	UTM NAD83 Z8N	476957	6662048		Station	Quartz diorite	Med grain WHG as before				

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	JGCS-10		20-07-23	UTM NAD83 Z8N	476936	6662043		Station	Soil	YY24548 - Talus fines - more rhyolite dyke material				
	JGC23-23		20-07-23	UTM NAD83 Z8N	476872	6662009		Station	Quartz diorite	Med grain WHG as before. Weakly magnetic				
	JGC23-24		20-07-23	UTM NAD83 Z8N	476725	6662181		Station	Quartz diorite	Talus - 80% WHG, 20% mafic dyke.				
	JGC23-26		21-07-23	UTM NAD83 Z8N	476056	6660845		Station	Rhyolite	Fine grain alkali feldspar porpyritic granite hosting tr Py. Weakly magnetic. Station consists of frost heaved felsenmere. Chalky buff colour. tiny vugs				
	JGC23-27		21-07-23	UTM NAD83 Z8N	475885	6660906		Station	Quartz Diorite	Med grain mod magnetic WHG Qyz diorite. Minor fracture controlled epidote.	minor fracture controlled Ep			
	JGC23-28		21-07-23	UTM NAD83 Z8N	475820	6660952		Station	Rhyolite	Fine grain buff coloured feldspar porphyritic granite - simlar in appearance to JGC23-26. Frost heaved subcrop.				
	JGC23-29		21-07-23	UTM NAD83 Z8N	475784	6660992		Station	Quartz diorite	Med grain WHG qtz diorite. Moderately to strongly magnetic				
	JGC23-30		21-07-23	UTM NAD83 Z8N	475708	6661075		Station	Quartz Diorite	Med grain WHG quartz diorite				Jointing [030/-80]
	JGC23-31		21-07-23	UTM NAD83 Z8N	475706	6661079		Station	Amphibole Gabbro	Fine grain dyke of amphibole gabbro. Conact with WHG is 030/-80				Contact [030/-80]
	JGC23-32		21-07-23	UTM NAD83 Z8N	475702	6661092		Station	Rhyolite	Fine grain chalky coloured feldspar porphyritic rhyolite dyke. Weak pervasive carbonate and chalky clay like alteration	weak pervasive carb, clay alteration		Trace diss py	
	JGC23-33		21-07-23	UTM NAD83 Z8N	475693	6661106		Station	Quartz Tonalite	Med grain WHG quartz tonalite overprinted by minor fracture controlled epidote and Tr Py. Strongly magnetic.	Min Fracture controlled Ep		Tr Py	
	JGC23-34		21-07-23	UTM NAD83 Z8N	475613	6661194		Station	Quartz Diorite	Med grain WHG qtz diorite. Weak to moderately magnetic.				
	JGC23-36		21-07-23	UTM NAD83 Z8N	475618	6661280		Station	Quartz diorite	Med grain WHG qtz diorite				
	JGC23-40		21-07-23	UTM NAD83 Z8N	475566	6661425		Station	Quartz Diorite	Med grain WHG qtz diorite. Moderatly magnetic				
	JGC23-41		21-07-23	UTM NAD83 Z8N	475550	6661438		Station	Rhyolite	Buff, fine grain feldspar porphyritic felsic volcanic/rhyolite dyke. Goethite stainng on fractures. Tr Diss Py weathered out to rusty spots. Dyke is 10-15m wide				Contact [010/-70]
	JGC23-42		21-07-23	UTM NAD83 Z8N	475558	6661539		Station	Quartz Diorite	Med grain WHG qtz diorite. Moderate to strongly magnetic				
	JGC23-44		21-07-23	UTM NAD83 Z8N	475418	6661640		Station	Quartz Diorite	Med grain WHG qtz diorite. Moderatetly magnetic.				
	JGC23-45		21-07-23	UTM NAD83 Z8N	475372	6661701		Station	Rhyolite	Buff fine grain rhyolite dyke. No veining observed.	Weak sericite overprinted by clay alt		Tr diss Py	
	JGC23-46		21-07-23	UTM NAD83 Z8N	475323	6661786		Station	Quartz Diorite	Med grain Whiteghorse group quartz dioirite				
	JGC23-48		21-07-23	UTM NAD83 Z8N	475255	6661898		Station	Quartz Diorite	Med grain WHG qtz diorite. Slightly rusty stained.				
	JGC23-49		21-07-23	UTM NAD83 Z8N	475250	6662089		Station	Quartz Diorite	Med grain WHG qtz diorite				
	JGC23-50		21-07-23	UTM NAD83 Z8N	475259	6662115		Station	Rhyolite	Fine grain buff-rusty coloured rhyolite dyke				
	JGC23-51		21-07-23	UTM NAD83 Z8N	475276	6662122		Station	Quartz Diorite	Med grain WHG qtz diorite				

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	JGC23-52		21-07-23	UTM NAD83 Z8N	475286	6662124		Station	Rhyolite	10-15m wide rhyolite dyke. Station at cliff with good view of rusty gossanous dykes trendig toward Mt. Skukum.				Contact [025/-80]
	JGC23-53		21-07-23	UTM NAD83 Z8N	475406	6662151		Station	Rhyolite	Good exposure of 5m wide felsic dyke in contact with Whitehorse group quartz diorite. Bit if rusting noted in WHG near contacts.				Contact [025/-80]
	JGC23-54		21-07-23	UTM NAD83 Z8N	476089	6661849		Station	Rhyolite	Rusty buff coloured fine grain feldpsar phyric felsic dyke. Mod perv sericite with Tr Py. Somewhat Oxidized - not very clay altered.Rep sample colleted	Mod pervasive sericite		Tr Py	
	JGC23-56		21-07-23	UTM NAD83 Z8N	476185	6662001		Station	Calc-silicate	Dark green banded quartz, epidote, diopside and garnet banded gniess outcrop within Whitehorse group Quartz Dioirite. Stoped piece of Nisling Group? Banding is parallel to contacts. Rep sample taken				Banding/Contacts [020/-90]
	JGC23-58		21-07-23	UTM NAD83 Z8N	476228	6662025		Station	Quartz Diorite	Med grain WHG qtz diorite. Non magnetic				
	JGC23-57		21-07-23	UTM NAD83 Z8N	476191	6662009		Station	Quartz Diorite	Med grain WHG qtz diorite				
	JGC23-59		21-07-23	UTM NAD83 Z8N	476516	6662052		Station	Quartz Diorite	Med grain WHG qtz diorite				
	JGC23-63		22-07-23	UTM NAD83 Z8N	481185	6662104		Station	Granodiorite	Light grey/white medium grain Whitehorse Group granodiorite. 60% plag, 25% qtz, 15% hornblend				
	JGC23-65		23-07-23	UTM NAD83 Z8N	481127	6662536		Station	Granodiorite	Large pile of slumped outcrop. Light grey med grain granodiorite intruded by 2m wide hornblende gabbro dyke				
	JGC23-66			UTM NAD83 Z8N	481041	6662522		Station	Gabbro	Outcrop of fine grain hornblend gabbro. No alt/min				
	JGC23-72			UTM NAD83 Z8N	481015	6662577		Station	Mafic dike	Contact between mafic dyke and strongly altered WHG granodiorite. West contact of dyke with WGH is strongly carbonatized. Irregular contact				Contact [270/-90]
	JGC23-75		22-07-23	UTM NAD83 Z8N	476178	6659891		Station	Rhyolite	5m wide rhyolite dyke in sharp contact with med grain whitehorse group quartz diorite. Good glow banding along contact of dyke. Mod pervasive sericite, trace Py - but no veining. Dyke oriented 030/-80	Mod pervaisve sericte		Tr Py	Contact [030/-85]
	JGC23-76		23-07-23	UTM NAD83 Z8N	475812	6659901		Station	Rhyolite	Feldspar porphyritic rhyolite dyke. Fine grain buff to reddish colour hosting tr diss Py. 5m wide dyke is oriented 020/-90. Rep sample taken. Example of "Dry Rhyolite"				Dike [020/90]
	JGC23-73			UTM NAD83 Z8N	481023	6662565		Station	Granodiorite	Silicified med grain granodiorite with minor qtz/carb veining near eastern margin of granodiorite. Rep Sampmle collected				
	23SR117		26-Jul-23	UTM NAD83 Z8N	478743	6658731	1932	Station	Granodiorite	Whitehorse group granodiorite talus. Moderate to strong pervasive magnetism.				

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	23SR118		26-Jul-23	UTM NAD83 Z8N	478786	6658747	1930	Station	Intermediate volcanic	Fine grained to aphanitic green brown intermediate volcanic ? float within a mostly Whitehorse group talus field. Very fine grained feldpsar phenocrysts. Surface has oxidation and there is hematite staining on fracture planes. Very weak patchy magnetism.			No apparent mineralization.	
	23SR122		26-Jul-23	UTM NAD83 Z8N	482458	6663237	2075	Station	Gabbro	Outcrop. Gabbro, fine grained. Weathered surface light green grey, fresh surface medium grey. Coarser/medium grained phases (dikes?) running through.	Minor orange and yellow oxidation (sericite?). Epidote along some fracture planes.		No apparent mineralization.	
	23SR130		27-Jul-23	UTM NAD83 Z8N	482714	6663342	2004	Station	Quartz diorite	Subcrop, top of ridge. Whitehorse group quartz diorite, medium grained.				
	23SR131		27-Jul-23	UTM NAD83 Z8N	482849	6663321	1986	Station	Granodiorite	Whitehorse group. Strong to moderate magnetism. Outcrop near top of ridge. Visible magnetite. Fine to medium grained.				
	23SR133		27-Jul-23	UTM NAD83 Z8N	483118	6663459	1962	Station	Granodiorite	Medium grained Whitehorse group, weak magnetism. White to cream weathered surface.				
	23SR134		27-Jul-23	UTM NAD83 Z8N	483158	6663491	1966	Station	Granodiorite	Outcrop station, visible contact. Undulating and subhorizontal contact between gabbro (bottom) and granodiorite (top). Fine grained gabbro, medium grained granodiorite. Granodiorite has patchy weak to moderate magnetism while the gabbro has strong pervasive magnetism.				Contact [040/10]
	23SR135		27-Jul-23	UTM NAD83 Z8N	483268	6663550	1961	Station	Granodiorite	Outcrop station, contact visible between gabbro (fine to medium grained) and granodiorite (medium grained). Gabbro has strong pervasive magnetism and the granodiorite has weak magnetism. Gabbro is intruding the granodioorite. Sharp contact, margin of the gabbro is chilled. Outcrop, felsenmere/frost heaved. Orientation unreliable.				
	23SR137		27-Jul-23	UTM NAD83 Z8N	482551	6662647	1792	Station	Granodiorite	Altered granodiorite, medium grained. Weathered surface is pinky grey and the fresh surface is the same. Very fractured/sharp outcrop along scree slope.	Sericite, carbonate, hematite, chlorite alteration.		No apparent mineralization.	
	23SR138		27-Jul-23	UTM NAD83 Z8N	482509	6662634	1802	Station	Granodiorite	Fine to medium grained Whitehorse group granodiorite/ possibly gabbro. Weathered surface is grey cream pink, fresh surface is pinky cream. Non magnetic. Jaggedy outcroppings along scree slope.	Chlorite, hematite, sericite, carbonate alteration.		No apparent mineralization.	
	23SR139		27-Jul-23	UTM NAD83 Z8N	482475	6662636	1808	Station	Gabbro	Within shear zone Greg identified above. Below very jaggedy outcrops along scree slope. Fresh surface is medium grey green. Weathered surface is pinkish medium brown.	Hematite staining along fractures. Moderate to strong chlorite alteration. Carbonate and sericite alteration.		No visible sulfides.	

Sample_ID	Station	Workorder	Date	UTM Zone	Easting	Northing	Elevation (m)	Sample_Type	Lithology	Lith_Notes	Alteration_Notes	Vein_Notes	Mineralization_Notes	Structural
	23SR140		27-Jul-23	UTM NAD83 Z8N	482419	6662557	1777	Station	Gabbro	Fine grained. Weathered surface is medium grey brown green, fresh is medium grey green.	Hematite staining and oxidation along fracture planes. Moderate to strong chlorite alteration. Some rusty red blobs/concentrated areas on weathered surface.		Trace very fine grained cubic euhedral pyrite, disseminated.	
	23SR141		27-Jul-23	UTM NAD83 Z8N	482386	6662550	1790	Station	Granodiorite	Granodiorite melt cutting through fine grained gabbro? Large outcrop at the start of a series of jaggedy outcroppings that continue along steep scree slope. Somewhat brecciated, has xenoliths of the fine grained gabbro within the granodiorite/quartz diorite melt. Gabbro is strongly pervasively magnetic while the coarse to medium grained Whitehorse group is moderately pervasively magnetic. Granodiorite is coarse to medium grained and the weathered surface is pinker (from potassic alteration maybe) than the gabbro which is more of a medium grey green.	Minor potassic alteration on fracture planes along with carbonate and epidote alteration and some hematite staining. Within the granodiorite, almost all of the mafic minerals (biotite/hornblende) have altered to chlorite. Epidote alteration is mainly on the fracture planes/weathered surface of the gabbro and doesn't appear to be much on the granodiorite.		No apparent mineralization.	
	JGC23-92		26-07-23	UTM NAD83 Z8N	482117	6662813		Station	Granodiorite	Med grain, light grey to white, WHG granodiorite. Unaltered, no structure.				
	JGC23-93		26-07-23	UTM NAD83 Z8N	482074	6662763		Station	Diorite	Grey green, med grain plagioclase/amphibile diorite (no quartz). No min. No struct.				
	JGC23-95		26-07-23	UTM NAD83 Z8N	481972	6662727		Station	Gabbro	Fine grain hornblend gabbro				
	JGC23-88		26-07-23	UTM NAD83 Z8N	479088	6658526		Station	Rhyolite Bx	White, fine grain massive to crackle brecciated/hyaloclastite textured rhyolite. Rep sample taken.				
	JGC23-89a		26-07-23	UTM NAD83 Z8N	479056	6658560		Station	Quartz Diorite	Sheared, med grain WHG quartz diorite. Rock relatively massive, with a weak penetrative foliatoin. Shearing focused along thin chloritic shears oriented 280/-85				Shear (280/-85)
	23SR144		18-Sep-23	NAD83 Z8N	481378	6662651	1804	Station	Granodiorite	Altered intrusive (granodiorite?). Fractured, potentially a fault nearby? Cavities filled with a white opaque mineral, looks like carbonate, it is soft.	Chlroite and sericite alteration, oxidation.		No visible sulfides.	

Sample_ID	Station	Workorder	Date	UTM Zone	Easting	Northing	Elevation (m)	Sample_Type	Lithology	Lith_Notes	Alteration_Notes	Vein_Notes	Mineralization_Notes	Structural
	23SR151		19-Sep-23	NAD83 Z8N	483074	6662886	1738	Station	Granodiorite	Talus propsecting at the base of buff coloured outcrop along slope, northeast of Upper Saddle. Very snowy so boulder field is slippery, did not feel comfortable going up to the outcrop. Some buff coloured float, with oxidized euhedral pyrite (looks like a quartz vein). That is only 2-3% of talus though, not much is rusty looking. Mostly shoebox size. Rock in talus appears to be a mix of granodiorite and an orangey green fine grained volcanic that seems dense and chlorite altered. No visible mineralization in the volcanic. Granodiorite/intrusive appears much less altered looking in most talus pieces compared to further south along the ridge and the other side of the ridge. Hard to tell % of buff coloured flaot due to the snow cover. But there is a defined buff and mineralized float train downslope of the rusty outcrop for about 15m. No definitive looking structure from this perspective, the outcrop looks quite brittley fractured. See sketch in notebook.				
	23SR155		19-Sep-23	NAD83 Z8N	483290	6662908	1704	Station	Quartz diorite	Prospecting (23SR153, 23SR154) around in talus below outcrops on side of slope. Talus is a mix of grey/green volcanic, intrusive material including quartz diorite (plus or minus hornblende, biotite) that has some very coarse grained material. Lots of contacts visible in the boulders. Looks like volcanic material upslope (some orange buff patches) along with an intrusive area in the outcropping.	Significant epidote alteration along fractures.		All/most of the visible sulfides (pyrite with potential chalcopyrite) are very oxidized.	
	23SR165		19-Sep-23	NAD83 Z8N	483611	6663210	1657	Station	Intermediate volcanic	Outcrop station. Grey green aphanitic intermediate volcanic. Has some small amygdules of feldspar/calcite (white opaque mineral). One of the many outcrops along the cliffy slope, but on the lower step from the ridge talus. Outcrop continues above for about 50m. Blocky, fractured with no apparent orientation. See sketch in notebook.			No apparent mineralization.	
	23SR166		20-Sep-23	NAD83 Z8N	483654	6663341	1649	Station	Quartz diorite	Continuing to prospect in the talus below the outcropping cliffs. About 70% whitehorse group/granodiorite, 30% volcanics. 5% has rusty gossanous patches.				

Sample_ID	Station	Workorder	Date	UTM Zone	Easting	Northing	Elevation (m)	Sample_Type	Lithology	Lith_Notes	Alteration_Notes	Vein_Notes	Mineralization_Notes	Structural
	23SR169		20-Sep-23	NAD83 Z8N	483570	6663318	1694	Station	Granodiorite	Geology station to describe outcrop. Climbed up into outcrop cliffs. There are multiple units of dikes here. To the south there is rock foliated parallel to the valley (N-S orientation) and it looks like granodiorite. Then moves into a whiter, maybe aplitic unit/more felsic granodiorite? that has minor mafic minerals. Then there is a zone about 3-5m wide where therre are multiple strongly gossanous patches. Moving north across the outcrop there are increasing amounts of mafic minerals moving into more of a biotite quartz diorite. Then there is a 15cm wide intermediate green volcanic dike? Then back into quartz diorite and moves north into interspersed dikes and quartz diorite, but too steep to climb over to in the snow. See sketch in notebook.				
	23SR172		20-Sep-23	NAD83 Z8N	483660	6663584	1686	Station	Quartz diorite	Whitehorse group quartz diorite? Outcrop station. Blocky and fractured. Weathered surface is light grey to medium grey, fresh surface is light grey. Some medium to coarse grained feldspar grains but on the whole it is fine grained material, somewhat equigranular. Talus in area is 60% whitehorse group/intrusive, 40% volcanic, and 5% rusty gossanous material. Smaller sized chunks of boulders and scree, roughly fist to shoebox sized. No large boulders.	Altering to chlorite.		No visible mineralization or gossanous patches on this outcrop, but there is similar very gossanous chunks of float all up the talus pile that contain significant/visible amounts of pyrite.	
	23SR175		21-Sep-23	NAD83 Z8N	482932	6663814	1728	Station	Granodiorite	Large talus slope pile at the bottom of the cirque. Can see some rusty looking fractures in outcrop up slope, too snowy to safely access. 5% rusty talus overall, 60% whitehorse group, 20% quartz feldspar porphyry material, 20% volcanics. Larger sized boulders, not much scree at all. Looks like similar rocks to the other side of the ridge.				
D938887	23SR176	WH23276801	21-Sep-23	NAD83 Z8N	482887	6663810	1730	Float	Granodiorite	Very rusty/gossanous boulder of granodiorite. Red orange in colour and about the size of a small pizza. Weathered surface is red orange and fresh is cream to orange due to oxidation.	Rusty, gossanous.		Molybdenite within rock, disseminated in blebs. Minor pyrite as well. 1-2% total mineralization. Molybdenite seems to be mainly in the granodiorite unit?	
	23SR184		19-Sep-23	NAD83 Z8N	483478	6663111	1725	Station	Granodiorite	Talus sample20x15x7cm bt gd boulder w w crosscutting tarnish quartz-sulfide±py (0.1%) stringers	Weakly altered			

Appendix D

Assay Certificates

ALS Canada Ltd.

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

CERTIFICATE WH23210952

Project: Pike Warden

This report is for 116 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 31-JUL-2023.

The following have access to data associated with this certificate:

GREG COLLINS BEN WILLIAMS	THOMAS HART	SARAH REESE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Pb-OG62	Ore Grade Pb - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations

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Finalized Date: 23-AUG-2023
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Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
H515201		1.58	0.001	0.52	0.43	0.5	370	0.15	0.08	0.19	0.10	3.31	7.1	24	0.15	71.3
H515202		0.81	0.002	0.34	2.97	10.0	1290	0.74	0.13	1.08	0.20	28.7	10.1	55	1.11	56.3
H515203		0.26	1.555	33.1	7.23	142.5	130	0.55	10.30	6.11	32.1	29.9	95.5	122	1.73	6690
H515204		1.19	<0.001	0.21	7.57	1.0	1470	1.23	0.45	3.13	0.13	42.7	5.7	10	2.71	54.8
H515205		1.39	0.009	0.56	7.18	23.1	1250	0.89	0.49	2.14	0.14	31.5	19.5	14	2.57	145.5
H515206		1.76	<0.001	0.14	9.23	1.2	370	0.65	0.46	7.38	0.11	31.7	32.6	16	6.21	67.4
H515207		1.78	<0.001	0.26	9.36	1.0	350	0.78	0.50	7.16	0.14	35.9	25.9	6	1.65	120.0
H515208		1.44	<0.001	0.04	0.38	4.3	40	<0.05	0.07	0.27	0.02	1.45	2.1	14	0.20	10.1
H515209		1.93	0.001	0.57	0.13	<0.2	20	<0.05	0.69	0.14	0.05	0.71	35.5	17	0.22	170.5
H515210		1.36	<0.001	0.26	1.34	1.2	220	0.17	0.62	0.37	0.02	3.07	115.0	15	0.61	36.9
H515211		2.12	0.004	0.23	1.47	2.1	650	0.11	0.79	0.43	0.04	5.54	5.9	23	1.31	14.3
H515212		1.54	<0.001	0.18	7.29	<0.2	1550	1.03	0.50	2.65	0.03	42.3	6.8	16	6.21	17.2
H515213		1.17	0.033	0.51	5.48	85.0	170	1.37	0.12	0.03	0.05	77.4	0.7	6	2.28	5.2
H515214		0.67	<0.001	0.03	0.29	5.4	20	0.05	0.03	0.13	0.28	2.03	1.2	45	0.20	2.2
H515215		1.36	0.050	0.40	3.79	110.5	110	1.20	0.08	0.01	0.06	37.3	0.1	8	3.23	4.0
H515216		1.12	0.016	0.16	5.00	59.5	420	1.33	0.12	0.01	<0.02	56.7	0.1	9	2.57	3.0
H515217		0.71	<0.001	0.02	0.21	5.5	<10	<0.05	0.05	0.01	0.02	0.99	1.3	33	0.09	6.7
H515218		0.97	0.003	0.10	6.55	15.7	140	1.94	0.15	0.11	0.08	74.8	0.2	4	2.91	1.9
H515219		1.28	0.015	0.29	5.49	1.6	820	1.01	0.16	2.09	0.19	39.1	18.6	28	2.81	40.9
H515220		0.94	<0.001	0.16	7.12	2.5	640	1.08	0.09	4.64	0.17	45.5	19.4	56	6.29	21.4
H515221		1.35	<0.001	0.11	7.61	1.5	1190	1.50	0.16	2.67	0.06	59.0	6.0	9	5.12	12.1
H515222		0.91	<0.001	0.06	6.97	1.7	1250	1.19	0.04	4.66	0.16	35.4	18.4	30	3.94	13.3
H515223		0.86	0.001	0.49	7.14	0.7	2690	1.55	0.20	1.79	0.03	68.6	11.1	7	1.71	150.0
H515224		0.73	0.055	3.80	0.22	3.1	310	0.13	0.59	0.25	1.72	4.40	13.5	21	0.23	554
H515225		1.66	0.041	5.76	1.61	16.2	230	0.32	6.85	1.69	3.29	15.50	13.7	18	1.07	82.4
H515226		1.83	0.003	1.25	6.28	7.1	1230	1.05	1.34	3.28	1.91	38.4	9.2	26	2.87	24.5
H515227		1.20	0.003	0.26	5.67	6.4	790	0.95	0.32	2.19	0.35	34.8	1.7	5	1.85	1.6
H515228		1.27	0.004	6.56	4.76	19.3	740	1.14	10.60	2.98	11.50	22.3	7.6	23	1.55	12.4
H515229		1.01	0.009	15.65	2.88	14.8	410	0.82	27.8	8.82	48.0	18.15	5.8	15	1.25	5.2
H515230		1.33	<0.001	0.08	6.19	1.1	700	1.14	0.12	0.49	0.17	32.1	1.0	8	0.95	1.4
H515231		1.25	0.028	0.99	6.86	37.0	1160	0.97	0.40	0.09	0.37	54.9	1.0	5	1.44	6.6
H515232		1.47	<0.001	0.51	4.58	9.0	1250	1.08	0.12	0.51	0.20	41.2	12.1	62	1.25	52.4
H515233		2.41	<0.001	0.05	1.16	3.6	410	0.34	0.02	2.24	0.04	11.75	1.3	24	0.34	3.0
H515234		1.21	0.006	0.88	8.30	32.5	1860	1.88	0.16	4.28	0.14	54.0	19.7	3	2.34	65.1
H515235		1.15	0.210	>100	4.04	1040	1150	1.22	0.31	2.19	6.76	36.7	8.8	54	4.73	72.5
H515236		1.29	0.003	4.30	8.44	56.8	1810	1.78	1.28	2.29	0.82	83.3	12.0	22	1.32	40.7
H515237		2.23	0.002	3.75	6.20	27.5	2100	1.01	0.12	1.12	0.43	40.5	22.3	150	0.82	154.0
H515238		1.45	0.009	4.96	7.02	253	1110	1.60	0.32	3.28	0.70	61.1	27.2	163	1.53	189.0
H515239		1.14	<0.001	3.38	7.05	34.1	2730	1.36	0.09	1.04	0.18	83.4	6.9	69	1.95	100.5
H515240		1.05	<0.001	0.43	4.68	23.5	1280	1.46	0.13	4.35	2.36	55.1	3.3	99	0.72	13.8

***** See Appendix Page for comments regarding this certificate *****

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9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
H515201		1.40	1.71	<0.05	<0.1	0.010	0.17	1.6	2.5	0.13	123	0.66	0.05	0.6	26.3	20
H515202		2.22	8.63	0.07	0.2	0.025	1.21	14.6	22.4	1.20	841	0.95	0.52	6.2	37.5	400
H515203		9.65	11.65	0.14	0.8	2.52	1.05	17.3	9.6	2.25	905	61.2	0.84	3.0	370	680
H515204		2.60	15.75	0.08	0.2	0.028	1.64	23.8	11.8	0.75	482	0.78	2.51	6.7	3.5	620
H515205		4.95	15.90	0.08	0.2	0.043	2.62	18.7	16.4	0.86	717	0.68	1.05	7.6	4.6	580
H515206		7.72	20.2	0.13	1.0	0.082	0.98	13.4	13.6	3.24	1425	1.24	1.78	5.7	20.6	890
H515207		6.72	20.5	0.11	0.9	0.080	0.65	18.4	8.0	2.64	1180	1.24	2.17	5.5	4.3	670
H515208		0.55	0.95	<0.05	<0.1	0.006	0.10	0.8	2.8	0.09	94	0.16	0.08	0.2	1.0	20
H515209		3.33	0.43	<0.05	<0.1	0.005	0.04	<0.5	1.5	0.04	83	0.29	0.02	0.2	2.1	10
H515210		3.13	2.72	<0.05	<0.1	0.008	0.49	1.6	4.2	0.15	133	0.82	0.35	1.2	1.9	100
H515211		1.47	2.63	<0.05	0.1	0.010	1.05	3.0	4.2	0.36	172	0.73	0.28	1.3	5.3	140
H515212		2.50	14.95	0.08	0.2	0.020	2.64	25.0	12.3	0.89	361	0.33	2.18	6.9	4.6	520
H515213		1.09	12.55	0.09	4.2	0.032	2.38	38.6	29.2	0.12	107	2.25	0.75	10.3	0.5	50
H515214		0.45	0.95	<0.05	<0.1	0.007	0.05	1.1	8.0	0.16	128	0.18	0.02	0.2	7.7	40
H515215		0.83	10.80	0.06	2.9	0.034	1.76	17.5	37.9	0.08	51	9.26	0.04	8.7	0.4	20
H515216		0.91	15.35	0.07	3.6	0.062	2.40	26.8	19.0	0.04	157	2.00	0.08	10.5	0.4	30
H515217		0.48	0.71	<0.05	<0.1	0.005	0.01	0.5	9.0	0.15	59	0.20	0.01	0.1	5.4	20
H515218		0.97	17.55	0.10	6.0	0.053	3.50	38.0	15.9	0.03	129	3.39	2.30	16.6	0.3	20
H515219		2.88	10.35	0.08	0.7	0.028	1.78	20.8	3.0	0.52	625	0.67	1.94	5.8	6.9	730
H515220		4.47	15.60	0.11	1.0	0.061	2.43	23.0	9.1	1.71	945	1.60	2.27	8.2	12.2	1390
H515221		2.51	16.40	0.11	0.9	0.040	2.42	29.6	3.9	0.40	606	0.72	3.10	12.0	6.6	900
H515222		3.95	16.30	0.10	0.6	0.034	2.42	18.4	8.4	1.47	948	0.36	2.22	5.6	35.7	760
H515223		2.19	14.30	0.15	0.8	0.020	2.53	42.0	6.8	0.47	335	22.8	2.90	10.6	1.4	710
H515224		2.48	0.65	<0.05	<0.1	0.018	0.10	2.7	2.5	0.03	154	2.59	0.02	0.5	12.8	10
H515225		1.87	3.90	0.05	0.3	0.027	0.81	7.9	2.4	0.36	366	0.71	0.03	2.9	6.5	400
H515226		2.71	11.90	0.12	0.9	0.035	2.86	22.3	8.6	1.11	773	0.40	1.18	4.8	14.0	750
H515227		1.39	8.74	0.11	1.4	0.022	1.66	19.4	2.7	0.68	532	0.19	2.54	7.2	3.0	460
H515228		1.29	10.95	0.11	0.9	0.050	2.43	12.8	4.8	0.56	715	0.23	1.43	5.2	6.1	280
H515229		1.47	6.99	0.06	0.3	0.111	1.33	9.7	4.5	0.74	1985	0.46	0.40	2.6	6.9	230
H515230		0.34	11.20	0.14	0.8	0.011	3.99	17.8	1.1	0.07	129	0.13	2.68	9.2	<0.2	50
H515231		1.49	11.40	0.10	0.6	0.015	2.05	35.5	1.3	0.16	23	0.34	2.77	5.0	<0.2	130
H515232		2.73	12.60	0.13	0.3	0.027	1.40	22.0	22.1	1.87	384	1.54	0.89	7.0	46.1	500
H515233		0.65	2.98	0.08	0.1	0.018	0.41	5.8	9.4	0.70	282	0.09	0.20	2.9	6.1	120
H515234		5.66	19.40	0.17	2.4	0.062	2.38	27.2	38.8	1.55	916	3.00	2.47	9.4	9.2	1440
H515235		2.90	10.80	0.11	0.6	0.064	1.65	21.1	28.1	1.55	804	23.2	0.39	6.5	25.7	630
H515236		4.46	17.60	0.16	3.4	0.077	2.58	45.3	23.6	1.69	955	2.06	3.01	17.4	12.6	2240
H515237		6.72	16.60	0.16	0.5	0.045	1.32	23.6	35.2	3.21	568	3.24	1.16	15.2	87.0	1510
H515238		7.56	19.60	0.16	0.3	0.089	2.02	32.9	52.0	2.11	1700	3.07	0.18	21.9	81.4	1810
H515239		4.83	19.15	0.16	0.5	0.049	3.33	40.2	43.1	1.70	1160	11.60	0.54	9.3	39.7	840
H515240		2.36	12.80	0.14	0.7	0.057	1.45	34.4	37.3	2.39	1055	2.48	0.06	8.1	81.6	1380

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
H515201		4.8	4.8	<0.002	0.60	0.15	1.1	4	<0.2	16.6	<0.05	0.11	0.56	0.019	0.04	0.2
H515202		8.4	35.6	0.002	0.12	0.68	7.2	1	0.8	90.9	0.38	0.08	3.66	0.219	0.21	1.2
H515203		8690	43.0	0.019	6.27	34.8	14.2	14	6.6	154.0	0.22	0.65	3.30	0.207	2.36	6.2
H515204		35.8	50.6	<0.002	0.19	0.20	6.1	<1	0.7	549	0.50	<0.05	8.05	0.226	0.39	4.8
H515205		14.7	127.0	<0.002	1.29	0.92	7.0	1	0.8	389	0.44	<0.05	7.34	0.251	0.56	3.4
H515206		7.6	29.7	<0.002	0.45	0.22	25.0	4	1.9	799	0.40	0.05	2.66	0.831	0.34	2.2
H515207		9.0	19.0	<0.002	0.71	0.25	24.4	2	1.6	860	0.47	0.07	4.34	0.680	0.19	3.2
H515208		1.2	4.3	<0.002	0.14	0.07	0.5	1	<0.2	25.1	<0.05	<0.05	0.23	0.009	0.03	0.3
H515209		1.3	2.0	<0.002	2.01	0.07	0.3	1	<0.2	6.9	<0.05	0.07	0.23	<0.005	0.02	0.3
H515210		3.1	20.6	<0.002	2.27	0.08	1.4	1	0.3	61.5	0.10	0.27	0.98	0.041	0.12	0.7
H515211		7.3	43.9	<0.002	0.35	0.07	2.2	1	0.4	87.8	0.08	<0.05	1.08	0.063	0.26	0.6
H515212		19.8	103.0	<0.002	0.39	0.15	7.9	2	1.2	501	0.64	<0.05	15.50	0.208	0.57	3.5
H515213		14.4	128.5	<0.002	0.01	0.44	3.5	1	1.6	26.3	0.76	0.30	20.1	0.049	0.73	6.1
H515214		5.2	2.6	<0.002	0.01	0.16	1.2	1	0.4	3.9	<0.05	<0.05	0.26	0.016	0.03	0.1
H515215		13.4	86.9	<0.002	0.01	0.98	2.2	1	1.0	4.6	0.63	0.05	13.45	0.025	0.47	3.8
H515216		9.6	125.5	<0.002	0.03	0.30	3.3	1	2.8	3.9	0.73	<0.05	15.90	0.039	0.73	4.2
H515217		1.4	0.5	<0.002	0.01	0.41	0.8	<1	0.3	1.0	<0.05	<0.05	0.13	0.009	<0.02	0.3
H515218		16.9	155.0	<0.002	0.01	0.42	2.1	1	2.1	44.4	1.06	<0.05	20.3	0.045	0.93	6.8
H515219		8.9	77.1	<0.002	0.73	2.50	7.7	1	0.7	159.0	0.38	<0.05	11.25	0.221	0.42	2.0
H515220		9.5	84.1	<0.002	0.10	4.98	19.5	2	1.1	271	0.47	<0.05	6.01	0.489	0.57	2.0
H515221		9.8	91.7	<0.002	0.06	2.98	6.1	1	1.4	336	0.65	<0.05	7.77	0.303	0.55	2.0
H515222		8.7	93.1	<0.002	0.09	4.60	11.6	2	0.9	372	0.33	<0.05	4.79	0.301	0.60	1.6
H515223		13.7	74.6	0.003	0.79	0.31	3.7	1	1.4	422	0.59	<0.05	12.20	0.242	0.39	3.8
H515224		59.5	5.4	<0.002	2.34	0.53	0.1	<1	<0.2	19.5	<0.05	0.08	0.49	0.008	0.04	0.9
H515225		475	32.4	<0.002	0.92	0.38	3.7	<1	0.4	74.8	0.13	0.29	3.02	0.138	0.15	1.1
H515226		113.5	83.4	<0.002	0.23	0.47	8.5	<1	0.9	285	0.35	0.05	9.78	0.259	0.45	2.3
H515227		19.6	48.0	<0.002	0.02	0.55	3.2	1	0.6	334	0.57	<0.05	10.35	0.181	0.34	1.6
H515228		534	72.1	<0.002	0.06	0.29	5.4	1	1.1	201	0.34	0.53	9.94	0.126	0.42	5.2
H515229		1205	53.6	<0.002	0.07	0.54	3.9	1	0.7	333	0.13	1.24	3.47	0.083	0.28	1.4
H515230		14.3	91.5	<0.002	0.03	0.06	1.0	<1	0.5	116.5	0.60	<0.05	36.1	0.056	0.55	5.2
H515231		69.8	62.3	<0.002	0.63	0.89	1.0	1	0.4	150.5	0.50	<0.05	10.90	0.098	0.37	1.0
H515232		5.4	55.5	<0.002	0.09	0.63	8.9	<1	1.1	156.0	0.46	0.05	6.97	0.250	0.29	1.3
H515233		1.8	11.5	<0.002	0.01	0.16	1.6	<1	0.2	97.6	0.25	<0.05	1.68	0.064	0.06	0.4
H515234		8.0	76.9	<0.002	0.09	1.60	20.7	1	1.8	556	0.53	<0.05	7.98	0.767	0.51	3.4
H515235		974	59.1	<0.002	0.09	107.5	7.0	2	1.5	158.0	0.41	<0.05	5.78	0.241	0.45	6.4
H515236		42.4	73.3	<0.002	0.12	2.68	10.4	1	1.7	551	0.89	0.14	9.13	0.530	0.56	2.6
H515237		31.5	34.7	<0.002	0.05	1.45	21.9	1	0.9	290	0.90	<0.05	4.70	0.843	0.27	3.8
H515238		39.3	69.9	<0.002	0.03	4.30	20.7	<1	1.6	237	1.27	0.08	7.84	0.767	0.52	4.7
H515239		15.8	101.5	<0.002	0.05	1.16	14.5	1	0.9	166.5	0.59	0.11	14.30	0.333	0.60	4.6
H515240		17.2	44.0	0.002	<0.01	1.73	8.4	<1	0.8	282	0.49	<0.05	7.71	0.237	0.31	7.6

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Cu	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOD	1	0.1	0.1	2	0.5	1	0.001	0.001
H515201		14	0.1	0.9	15	0.8			
H515202		86	0.7	12.1	51	5.9			
H515203		394	5.9	14.2	8170	27.9			
H515204		54	0.5	9.6	68	4.4			
H515205		70	1.0	11.5	53	3.3			
H515206		319	1.4	27.6	81	19.2			
H515207		228	5.9	24.3	67	19.2			
H515208		5	0.2	0.9	6	<0.5			
H515209		2	0.2	0.4	4	<0.5			
H515210		14	1.7	1.8	7	0.8			
H515211		23	3.2	2.1	15	3.7			
H515212		61	22.9	11.3	33	4.1			
H515213		10	3.4	18.0	30	133.5			
H515214		11	0.6	0.7	22	1.3			
H515215		9	1.2	11.5	23	87.7			
H515216		1	0.9	14.7	26	118.5			
H515217		7	0.8	0.2	9	0.9			
H515218		6	1.2	29.7	47	197.5			
H515219		65	1.0	8.2	38	26.5			
H515220		162	1.4	11.6	89	37.5			
H515221		60	0.9	12.6	42	39.1			
H515222		93	0.5	9.5	78	23.3			
H515223		29	0.3	11.8	36	32.8			
H515224		2	0.1	1.4	40	0.6			
H515225		27	7.8	3.7	48	11.3			
H515226		80	9.1	8.0	52	30.9			
H515227		33	5.1	5.4	17	61.0			
H515228		44	3.5	6.5	149	32.1			
H515229		33	3.3	13.8	482	10.9			
H515230		4	0.7	4.8	4	22.9			
H515231		10	2.5	1.9	27	19.6			
H515232		148	0.7	17.0	82	11.3			
H515233		20	1.3	5.4	16	2.7			
H515234		259	5.2	25.6	76	105.0			
H515235		220	2.4	17.6	187	28.8	954		
H515236		111	2.5	17.8	173	163.0			
H515237		232	1.5	21.4	169	17.5			
H515238		173	3.5	32.4	127	11.2			
H515239		223	2.4	22.5	90	20.9			
H515240		588	1.7	42.7	183	30.9			

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
H515241		1.48	<0.001	1.14	6.79	15.9	1790	0.95	0.91	1.37	0.11	51.0	10.6	46	1.08	63.4
H515242		1.14	<0.001	0.22	8.01	4.7	1350	1.20	0.19	4.46	0.35	38.0	10.8	8	0.90	80.6
H515243		1.38	0.009	3.41	3.79	75.2	440	0.49	0.40	0.85	0.16	25.5	5.0	54	1.22	9.0
H515244		1.57	<0.001	1.49	4.01	65.7	800	1.30	0.18	0.98	6.46	45.1	3.8	72	3.90	120.5
H515245		1.18	<0.001	0.26	7.80	3.2	3960	1.19	0.12	4.27	0.28	45.6	14.4	2	2.13	20.6
H515246		1.31	<0.001	3.82	7.84	1.9	1300	1.42	2.76	2.18	1.22	36.3	10.8	4	3.27	169.0
H515247		1.68	<0.001	0.42	7.76	0.8	1280	1.26	2.37	3.37	0.14	45.3	14.7	13	3.32	15.6
H515248		0.84	<0.001	0.08	0.23	0.9	20	0.05	0.02	0.03	0.02	0.77	0.6	22	0.11	1.3
H515249		1.44	0.001	0.21	3.39	1.2	480	0.69	0.07	0.27	1.70	20.9	7.4	9	1.42	8.3
H515250		2.61	0.019	0.20	6.67	2.4	910	1.66	0.19	1.80	0.13	41.8	5.0	12	2.42	7.2
B700329		0.26	1.350	32.9	8.05	547	1290	1.86	1.28	0.31	32.7	73.3	5.8	19	3.39	136.0
B700330		1.27	<0.001	0.04	0.07	0.9	10	0.07	0.01	21.5	0.04	0.94	0.5	1	0.10	1.1
E812051		3.42	0.169	16.50	8.57	2.7	500	1.82	4.51	3.88	4.63	47.2	71.6	13	0.73	>10000
E812052		1.90	0.002	0.47	1.05	0.6	510	0.10	3.41	0.42	0.04	5.89	6.4	15	0.40	137.5
E812053		3.27	0.013	1.86	1.16	0.9	500	0.20	2.32	0.22	0.20	6.59	14.9	33	0.41	159.0
E812054		2.52	0.126	>100	0.86	57.6	70	0.26	4.77	0.06	2.57	5.82	1.1	26	0.42	83.3
E812055		2.94	0.038	7.79	2.32	201	2070	0.89	0.52	0.27	0.61	17.30	2.0	51	1.62	59.9
E812056		1.73	0.034	2.81	6.51	126.5	840	0.94	2.33	0.15	0.13	61.2	5.4	6	1.16	8.0
E812057		1.65	0.006	0.59	7.74	2.4	680	1.12	13.65	2.18	0.06	50.9	24.5	8	1.40	5.8
E812058		1.67	0.012	1.61	5.51	21.4	1110	0.84	1.10	6.05	0.32	49.7	22.7	23	2.21	6.3
E812059		2.77	0.127	7.84	1.27	18.8	350	0.50	5.48	0.03	0.25	21.6	8.6	28	1.62	31.7
E812060		2.01	0.005	0.63	1.83	0.8	280	0.38	2.77	0.15	0.04	5.10	12.7	22	0.41	36.9
E812061		2.80	0.011	1.87	0.68	63.3	220	0.10	9.77	0.07	<0.02	7.66	7.4	17	0.44	74.7
E813107		1.49	0.006	0.64	6.09	1.7	1290	0.82	0.65	1.86	0.05	46.0	39.9	12	0.95	70.9
E813108		2.04	0.003	1.61	1.30	18.1	600	0.38	0.52	0.88	0.31	13.00	5.6	22	0.71	69.8
E813109		2.42	0.003	0.45	1.35	1.1	110	0.38	0.42	0.17	<0.02	5.50	2.3	18	0.41	76.0
E813110		2.32	0.001	0.15	7.52	0.8	1870	1.74	6.73	1.30	<0.02	51.5	7.2	10	2.16	3.9
E813111		2.07	0.011	0.93	5.94	48.3	660	0.85	0.53	0.38	1.26	69.0	5.8	6	0.97	2.7
E813112		1.79	0.012	1.62	5.66	2.0	1080	0.57	0.42	0.09	1.38	35.6	0.9	6	0.73	20.4
E813113		1.83	0.025	1.59	0.29	12.4	130	0.15	0.64	0.08	0.03	11.70	59.5	28	0.35	53.7
E813114		2.37	0.001	1.32	0.77	73.0	60	0.09	7.42	0.03	0.05	2.39	13.9	22	0.31	239
D939451		3.15	0.110	64.9	3.96	346	2160	1.21	1.01	2.30	3.77	42.4	6.3	65	2.95	58.7
D939452		1.04	0.003	0.33	1.54	43.1	850	1.67	0.09	8.69	0.58	13.75	3.3	32	1.41	53.4
D939453		1.40	<0.001	0.20	2.74	1.9	440	0.70	0.03	0.25	0.10	16.95	1.7	22	1.38	2.5
D939454		1.26	0.001	0.03	6.88	0.8	70	1.97	0.04	0.11	0.07	74.8	0.1	5	1.96	1.5
D939455		1.53	0.004	0.06	7.86	1.1	1210	1.35	0.08	4.26	0.11	48.9	21.8	65	0.90	36.8
D939456		1.66	<0.001	0.11	8.53	1.5	1330	1.26	0.08	4.45	0.08	36.8	20.6	19	0.77	33.2
D939457		0.98	0.004	0.07	7.77	0.6	1480	1.65	0.08	1.51	0.13	59.9	5.5	8	1.26	5.9
D939458		1.26	<0.001	0.40	8.11	2.6	1120	1.54	0.16	4.14	0.33	44.4	20.4	54	4.72	32.9
D939459		0.77	<0.001	0.23	2.70	0.5	1060	0.36	0.25	0.54	0.42	8.66	1.1	10	0.60	1.7

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
H515241		6.61	15.00	0.16	0.7	0.064	1.95	30.2	38.0	1.67	1185	1.44	1.58	9.3	22.3	1140
H515242		4.50	17.85	0.13	0.6	0.022	1.40	18.6	17.4	1.78	511	1.88	2.41	6.6	2.0	1100
H515243		2.22	7.81	0.08	1.1	0.020	1.28	14.8	21.0	0.58	414	2.96	1.21	5.9	22.3	920
H515244		1.92	12.10	0.11	0.7	0.114	1.46	27.6	21.5	1.09	266	17.10	0.42	6.6	72.3	1640
H515245		5.72	17.90	0.15	0.7	0.051	2.86	22.7	8.2	1.41	901	0.85	2.08	7.8	<0.2	3260
H515246		4.26	16.40	0.13	1.0	0.100	1.63	21.3	13.6	1.39	681	1.09	3.05	7.4	1.5	990
H515247		4.35	16.15	0.15	0.5	0.036	1.75	24.4	10.2	1.51	734	0.46	2.58	9.3	14.0	1350
H515248		0.44	0.67	<0.05	<0.1	0.009	0.06	<0.5	7.4	0.06	54	0.14	0.03	0.2	0.4	40
H515249		4.83	7.35	0.08	0.3	0.033	1.39	10.8	4.8	0.16	1770	0.40	0.59	2.1	6.4	640
H515250		1.55	13.50	0.13	1.2	0.025	2.74	24.6	3.3	0.25	362	0.37	2.76	10.8	5.8	380
B700329		5.66	21.7	0.18	2.2	0.230	3.77	37.1	24.6	0.30	1065	5.38	0.09	12.2	6.6	1800
B700330		0.13	0.28	0.13	<0.1	0.007	0.03	0.6	2.7	13.20	119	<0.05	0.01	0.1	<0.2	20
E812051		5.96	17.20	0.17	0.4	0.653	1.01	27.3	12.0	1.16	753	16.00	3.38	6.8	15.2	610
E812052		3.32	2.84	0.05	0.1	0.030	0.48	3.1	1.2	0.06	84	224	0.27	1.2	2.7	130
E812053		1.61	2.12	<0.05	0.1	0.015	0.54	4.4	1.4	0.09	88	1.47	0.31	1.1	1.0	70
E812054		2.93	2.66	0.19	0.1	0.304	0.19	3.6	18.5	0.28	214	4.70	0.01	1.7	3.3	100
E812055		1.71	6.88	0.08	0.3	0.082	1.05	10.2	11.0	0.29	179	11.05	0.08	3.1	9.9	1590
E812056		2.73	10.95	0.12	0.4	0.017	1.94	40.5	1.5	0.10	39	0.48	3.49	6.3	1.3	210
E812057		3.89	14.10	0.13	0.7	0.039	2.69	26.1	6.5	0.68	313	3.37	2.48	8.6	14.0	910
E812058		4.05	9.68	0.09	0.4	0.038	1.58	28.0	4.8	2.24	1180	0.73	1.99	5.4	25.0	890
E812059		1.12	2.70	0.05	0.1	0.008	0.70	11.6	19.6	0.03	28	69.3	0.28	2.0	2.3	20
E812060		2.60	3.87	<0.05	0.7	0.007	0.37	3.0	2.6	0.19	111	5.60	0.84	2.5	9.6	190
E812061		2.20	2.79	<0.05	<0.1	0.092	0.21	4.8	8.0	0.15	114	7200	0.02	0.4	6.3	60
E813107		4.05	13.70	0.09	0.5	0.054	2.04	23.6	9.9	0.75	493	70.0	1.88	6.8	7.9	700
E813108		1.41	3.39	<0.05	0.1	0.027	0.46	6.5	14.0	0.49	1010	25.2	0.14	1.9	14.2	390
E813109		1.70	2.76	<0.05	0.1	0.012	0.29	2.3	3.1	0.20	62	851	0.53	2.9	6.1	450
E813110		2.57	13.95	0.08	1.2	0.021	3.25	29.8	8.1	0.56	273	8.10	3.02	11.6	4.6	720
E813111		2.51	9.20	0.10	0.5	0.012	2.75	42.8	0.8	0.09	125	5.73	2.25	3.2	0.9	170
E813112		0.36	8.57	0.06	0.4	0.011	1.78	21.8	1.4	0.05	21	1.88	3.13	3.1	0.5	50
E813113		2.99	0.92	<0.05	<0.1	0.005	0.14	6.4	3.5	0.03	42	91.9	0.01	1.5	13.6	60
E813114		2.66	2.49	<0.05	<0.1	0.016	0.08	1.2	8.7	0.15	163	128.5	0.16	0.4	11.6	80
D939451		2.44	12.05	0.08	0.5	0.046	1.65	23.3	25.5	1.12	998	8.95	0.21	5.8	35.1	1470
D939452		2.35	6.30	0.06	0.3	0.012	0.60	7.1	10.0	2.23	1560	5.37	0.02	2.7	27.7	1060
D939453		0.73	5.78	0.05	0.7	0.007	0.86	8.4	165.5	0.08	416	0.55	0.63	3.3	2.9	180
D939454		1.10	20.0	0.12	6.2	0.051	3.83	33.8	11.8	0.02	75	0.51	2.42	16.2	<0.2	20
D939455		5.21	18.65	0.12	1.6	0.062	1.31	23.0	17.4	2.29	1110	2.32	2.94	13.0	35.8	2040
D939456		5.51	19.40	0.12	0.8	0.051	1.18	18.2	11.2	2.13	1015	0.50	3.25	7.3	10.7	1440
D939457		2.16	15.45	0.10	1.4	0.025	2.29	32.5	6.5	0.62	534	0.35	3.24	10.2	6.3	750
D939458		4.51	15.45	0.11	1.4	0.050	2.03	22.6	15.3	1.82	929	1.17	2.79	16.4	29.3	1370
D939459		0.61	4.52	<0.05	0.2	0.005	1.71	5.2	2.0	0.04	155	28.2	0.85	1.6	1.4	60

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
H515241		12.1	53.8	0.014	0.39	0.53	13.2	1	1.1	256	0.83	0.13	13.15	0.324	0.34	2.7
H515242		4.3	23.0	0.037	1.30	0.50	14.6	4	1.2	688	0.37	0.15	5.68	0.447	0.20	2.4
H515243		30.4	44.5	0.005	1.02	26.8	5.7	2	0.7	187.0	0.32	0.09	3.67	0.245	0.35	2.4
H515244		47.9	61.1	0.004	0.04	3.00	7.0	2	0.6	144.0	0.41	0.08	7.30	0.207	0.38	10.5
H515245		16.4	99.2	<0.002	0.28	2.93	18.7	2	1.3	556	0.47	<0.05	6.37	0.678	0.75	2.6
H515246		35.8	57.2	<0.002	0.40	0.50	9.6	1	1.5	575	0.46	0.15	10.35	0.423	0.49	2.3
H515247		12.6	64.7	<0.002	1.06	0.32	11.6	1	1.0	628	0.57	0.37	7.45	0.449	0.48	2.3
H515248		<0.5	2.5	<0.002	0.01	5.15	0.2	1	<0.2	4.8	<0.05	<0.05	0.20	0.011	0.02	0.1
H515249		3.9	66.5	<0.002	0.01	1.68	4.0	1	0.4	16.8	0.10	<0.05	2.62	0.144	0.34	1.3
H515250		13.6	81.2	<0.002	0.17	0.73	4.2	<1	0.8	226	0.84	<0.05	19.35	0.158	0.43	2.5
B700329		4150	181.5	0.004	0.63	69.9	14.8	3	21.8	391	0.76	0.33	6.94	0.467	1.85	3.7
B700330		5.8	1.2	<0.002	<0.01	0.10	0.1	1	<0.2	51.4	<0.05	<0.05	0.15	<0.005	<0.02	0.1
E812051		11.9	36.1	0.003	3.10	0.15	8.9	28	2.0	685	0.36	0.35	7.69	0.244	0.23	2.7
E812052		5.3	13.0	0.029	0.65	<0.05	1.7	2	0.3	85.1	0.10	0.15	1.29	0.066	0.18	2.7
E812053		10.0	17.4	<0.002	1.14	0.05	0.9	2	0.2	36.7	0.07	0.21	1.94	0.033	0.10	0.5
E812054		4100	7.6	0.002	0.49	8.59	1.8	68	1.2	8.9	0.09	2.38	1.37	0.061	0.07	1.6
E812055		355	48.4	0.008	0.11	5.14	4.8	6	1.1	20.8	0.17	0.14	2.73	0.112	0.32	1.9
E812056		79.7	55.3	<0.002	2.22	0.81	2.4	2	0.6	261	0.30	0.22	10.10	0.154	0.33	0.8
E812057		22.0	66.5	<0.002	2.07	0.90	5.8	3	1.0	547	0.69	2.91	7.73	0.323	0.42	2.1
E812058		11.2	61.8	<0.002	0.72	1.21	5.5	1	0.7	686	0.40	0.13	5.65	0.191	0.39	0.9
E812059		245	21.5	0.003	0.64	13.65	0.3	2	0.2	32.1	0.23	2.12	2.29	0.021	0.17	0.3
E812060		5.0	13.6	<0.002	1.28	0.10	1.5	2	0.3	73.1	0.14	0.90	1.96	0.084	0.08	0.9
E812061		22.7	7.7	1.315	0.67	0.32	1.1	2	4.3	9.4	<0.05	1.14	0.82	0.033	0.16	0.9
E813107		11.1	77.3	0.008	0.64	0.20	7.3	2	1.0	251	0.42	0.62	6.18	0.280	0.42	4.7
E813108		10.2	15.3	0.004	0.16	0.57	1.9	2	0.4	38.7	0.11	0.12	1.50	0.048	0.09	0.6
E813109		2.3	14.6	0.173	0.39	0.24	1.4	2	0.4	59.6	0.27	0.07	1.24	0.086	0.12	0.5
E813110		12.7	92.4	<0.002	0.97	0.22	4.6	1	1.0	391	0.74	3.30	13.85	0.247	0.48	2.7
E813111		66.5	59.1	<0.002	2.08	0.44	0.9	2	0.3	176.0	0.21	0.10	20.4	0.071	0.33	1.2
E813112		127.5	37.4	<0.002	0.02	0.44	0.5	1	0.2	186.0	0.21	<0.05	18.30	0.045	0.23	1.0
E813113		5.7	6.3	0.016	1.85	0.64	0.4	2	<0.2	6.1	0.10	0.09	1.02	0.024	0.04	0.2
E813114		13.7	3.7	0.010	0.86	0.17	0.5	2	2.3	8.3	<0.05	0.90	0.29	0.025	0.05	0.8
D939451		270	71.9	0.009	0.81	27.7	6.9	5	10.0	110.5	0.37	0.15	5.98	0.188	0.42	3.5
D939452		4.2	29.9	0.003	0.20	1.18	3.7	2	0.5	442	0.16	<0.05	1.52	0.080	0.22	3.0
D939453		5.9	31.8	<0.002	0.01	1.05	1.7	2	0.3	58.8	0.24	<0.05	3.95	0.068	0.17	1.2
D939454		10.1	163.5	<0.002	<0.01	0.12	2.2	2	1.5	47.9	1.01	<0.05	21.3	0.044	0.98	5.8
D939455		7.1	22.1	<0.002	0.01	0.21	16.3	2	1.3	764	0.65	<0.05	3.35	0.622	0.28	1.1
D939456		7.0	19.4	<0.002	0.07	0.67	17.6	3	1.0	710	0.39	<0.05	2.97	0.595	0.22	1.2
D939457		17.5	64.0	<0.002	0.01	0.27	5.4	1	0.9	365	0.71	<0.05	14.25	0.238	0.33	3.0
D939458		13.5	48.1	<0.002	0.16	0.97	18.2	1	1.2	556	0.83	<0.05	6.06	0.659	0.33	1.9
D939459		27.4	36.0	0.008	0.02	0.24	0.6	1	0.2	65.3	0.19	<0.05	4.41	0.028	0.18	0.9

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Cu-OG62 Cu % 0.001	Pb-OG62 Pb % 0.001
H515241		100	1.3	25.8	82	20.6			
H515242		157	0.6	18.0	70	13.6			
H515243		87	2.6	7.2	29	49.4			
H515244		835	2.8	29.0	682	30.9			
H515245		185	1.2	17.2	81	11.3			
H515246		136	1.3	11.5	69	34.0			
H515247		115	17.4	16.4	64	11.6			
H515248		5	0.9	0.3	6	0.7			
H515249		65	1.9	9.3	59	11.6			
H515250		34	1.2	8.4	17	36.7			
B700329		148	3.6	21.0	2560	69.6			
B700330		1	<0.1	0.3	7	<0.5			
E812051		59	7.0	13.2	184	6.7		2.32	
E812052		27	600	2.3	6	1.9			
E812053		9	2.6	1.3	9	1.7			
E812054		25	2.5	1.8	365	3.2	128		
E812055		163	2.3	6.0	96	11.8			
E812056		21	7.1	2.7	13	16.4			
E812057		82	0.7	17.5	31	24.1			
E812058		53	1.7	14.0	25	19.0			
E812059		3	0.3	1.7	10	3.1			
E812060		19	7.7	1.9	9	14.1			
E812061		27	440	0.7	56	1.3			
E813107		75	4.2	13.0	39	11.7			
E813108		37	1.6	6.3	52	5.7			
E813109		19	10.0	5.6	11	1.7			
E813110		42	1.7	12.8	24	39.0			
E813111		9	1.0	2.9	29	22.3			
E813112		4	1.1	1.4	101	10.9			
E813113		5	0.7	0.7	4	0.7			
E813114		10	10.5	0.6	34	1.2			
D939451		224	3.8	19.8	222	16.5			
D939452		90	0.7	13.6	70	10.3			
D939453		15	0.4	7.0	15	22.9			
D939454		2	1.6	33.1	43	201			
D939455		145	0.4	21.9	90	63.3			
D939456		189	0.5	17.6	84	20.4			
D939457		48	1.5	12.0	46	47.0			
D939458		150	0.9	17.0	69	46.8			
D939459		6	0.3	2.0	18	5.5			

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D939460		0.84	0.018	0.80	4.78	80.2	770	0.99	0.66	0.55	0.46	40.9	18.5	12	1.36	16.8
D939461		1.01	0.001	0.92	7.89	29.9	1400	1.24	0.85	5.58	10.70	40.6	18.7	106	2.76	22.8
D939462		1.16	0.022	0.41	5.27	38.8	2620	0.95	0.27	0.07	0.06	68.4	1.5	18	1.19	3.0
D939463		1.60	<0.001	0.02	6.68	0.4	2730	0.65	0.07	1.33	0.03	3.71	1.3	12	0.65	4.2
D939464		1.53	0.001	0.34	8.80	5.3	1710	0.73	1.40	6.17	0.16	25.7	24.9	11	1.94	73.8
D939465		2.01	0.007	0.31	7.48	5.4	3040	1.33	0.26	2.66	0.04	45.3	10.3	228	1.61	102.5
D939466		1.31	<0.001	0.63	2.74	9.1	1780	0.59	0.13	0.64	0.68	26.8	2.6	42	0.45	28.4
D939467		1.59	<0.001	0.07	1.17	3.2	780	0.36	0.02	0.30	0.15	14.45	1.1	30	0.27	4.9
D939468		2.10	0.003	1.14	8.49	17.6	1540	1.01	0.30	6.25	0.18	40.3	29.8	148	0.91	112.0
D939469		2.10	0.001	0.63	5.48	12.0	2010	1.31	0.35	5.76	1.31	60.1	23.0	289	1.21	86.9
D939470		1.71	<0.001	0.45	1.97	9.0	1710	0.59	0.08	0.86	0.47	20.9	9.0	33	1.08	55.0
D939471		2.00	0.001	1.01	3.21	12.7	1750	2.43	0.12	2.84	17.30	31.0	10.8	78	1.16	173.5
D939472		2.02	<0.001	0.05	0.43	2.4	330	0.17	0.01	0.37	0.07	4.31	0.5	23	0.18	9.7
D939473		1.18	0.003	0.11	8.70	1.3	2130	1.91	0.26	2.86	0.08	69.4	6.6	9	0.95	16.5
D939474		1.58	0.312	>100	4.10	4250	200	1.08	0.26	2.27	9.82	42.1	0.9	45	3.88	217
D939475		1.65	0.001	0.26	8.16	12.7	960	1.10	0.05	5.21	0.15	66.0	17.5	11	0.90	34.1
D939476		1.77	0.005	2.36	2.41	82.5	4700	0.88	0.13	0.40	0.22	43.1	0.5	59	1.26	19.2
D939477		2.40	0.243	>100	0.22	6.2	60	0.06	0.26	0.08	51.3	2.25	1.4	16	0.10	1025
D939478		2.01	0.027	41.1	0.29	3.1	30	0.08	0.05	0.02	2.25	3.01	1.1	19	0.23	42.1
D939479		1.62	0.157	>100	1.31	33.6	160	0.35	0.12	0.07	27.6	7.70	3.0	17	0.63	1370
D939480		2.04	0.301	>100	0.44	147.5	50	0.12	0.13	0.01	77.7	2.02	2.7	17	0.18	2400
D939481		1.09	0.004	7.93	0.19	3.4	30	0.07	0.01	0.02	3.62	1.86	1.0	22	0.13	94.5
D939482		1.41	0.057	>100	0.68	4.9	60	0.16	0.31	0.02	7.95	7.63	2.1	21	0.33	487
D939483		1.28	0.001	5.62	0.38	1.9	40	0.10	0.01	0.02	4.31	3.68	1.8	19	0.27	88.8
D939484		1.52	0.091	>100	0.13	28.4	10	0.05	0.12	0.02	12.75	1.77	1.1	23	0.10	258
D939485		1.22	0.035	71.8	0.40	4.7	30	0.10	0.04	0.02	8.30	2.67	1.2	22	0.13	756
D939486		0.26	1.485	37.2	7.96	542	1270	1.86	1.25	0.30	31.2	74.1	6.0	18	3.44	138.0
D939487		1.55	0.001	0.53	0.04	<0.2	<10	0.06	0.01	20.9	0.06	0.76	0.9	2	0.09	4.6
D939488		2.03	0.004	1.25	0.40	3.2	50	0.27	1.38	0.05	0.11	3.77	3.8	22	0.32	55.8
D939489		1.57	<0.001	0.23	7.72	1.1	1090	1.17	0.10	4.13	0.21	39.6	16.5	9	2.73	11.8
D939490		2.04	0.001	0.32	0.23	0.6	30	0.05	0.44	0.05	0.04	3.21	1.7	24	0.21	64.4
D939491		1.21	0.006	1.50	1.35	0.8	410	0.18	2.92	1.63	0.07	6.80	17.9	22	0.56	3.8
D939492		1.73	0.059	0.33	4.58	1.4	590	0.83	0.15	1.83	0.21	33.0	5.4	9	1.70	2.4
D939493		1.39	0.003	2.69	2.06	148.0	320	0.51	0.23	0.04	0.05	5.58	1.3	22	0.58	116.5
D939494		0.26	1.615	31.7	7.31	133.0	120	0.54	10.35	6.06	34.4	29.0	94.5	118	1.76	6780
D939495		1.77	0.001	0.12	0.06	1.0	10	0.05	0.02	21.1	0.05	0.90	0.6	1	0.09	7.7

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
D939460		3.31	9.51	0.06	0.3	0.010	1.49	25.4	1.7	0.15	195	0.76	1.60	4.8	4.8	330
D939461		5.16	17.95	0.13	0.6	0.048	3.40	20.0	11.2	2.30	1585	0.89	0.86	8.5	63.4	1790
D939462		1.75	10.05	0.08	0.3	0.010	2.43	44.2	1.2	0.12	51	1.10	1.64	2.9	1.0	150
D939463		0.59	9.83	<0.05	0.2	0.005	3.66	2.6	3.4	0.10	87	0.15	2.17	0.9	0.5	30
D939464		5.58	23.7	0.09	0.6	0.154	2.03	12.1	15.1	0.73	771	0.57	1.95	6.4	4.1	560
D939465		5.43	18.10	0.14	0.1	0.054	1.09	18.5	24.5	1.07	909	1.06	2.66	15.4	19.5	1910
D939466		1.57	7.29	0.06	0.6	0.022	1.39	14.9	20.3	1.07	197	6.22	0.18	3.5	26.6	620
D939467		0.48	2.87	<0.05	0.2	0.008	0.56	6.1	7.9	0.44	98	0.32	0.18	1.3	7.1	130
D939468		4.85	17.75	0.14	2.5	0.044	2.00	18.4	13.3	4.29	959	1.17	1.83	5.9	40.1	860
D939469		3.70	11.40	0.13	1.6	0.037	1.18	31.8	14.8	4.14	1025	9.18	1.16	6.9	175.0	2570
D939470		1.68	6.18	0.06	0.1	0.027	0.98	8.9	11.2	0.76	639	3.65	0.31	2.8	25.4	150
D939471		1.88	7.39	0.11	0.3	0.084	1.40	16.6	10.0	1.26	494	2.34	0.35	4.7	70.4	800
D939472		0.44	1.01	<0.05	<0.1	<0.005	0.18	2.1	2.9	0.12	67	0.33	0.09	0.6	2.3	60
D939473		3.23	17.60	0.13	3.9	0.025	2.75	34.1	19.9	0.91	730	0.87	3.23	14.2	4.2	1040
D939474		3.04	11.50	0.10	0.5	0.043	0.88	21.7	43.3	1.14	1585	2.93	0.02	6.4	7.1	740
D939475		5.55	21.1	0.13	1.1	0.076	1.13	29.1	18.1	2.32	1160	1.62	2.52	8.6	6.3	1290
D939476		1.35	8.73	0.09	0.5	0.014	1.61	26.1	6.4	0.25	133	12.65	0.06	7.7	7.3	1350
D939477		0.74	0.79	<0.05	<0.1	0.027	0.04	1.9	11.4	0.07	185	6.95	0.01	0.1	0.8	1020
D939478		0.79	0.91	<0.05	<0.1	0.005	0.08	1.7	14.8	0.08	207	0.92	0.01	0.2	0.9	90
D939479		1.72	3.09	0.17	0.1	0.034	0.65	3.7	13.6	0.07	212	0.44	0.02	0.8	1.8	270
D939480		1.23	0.99	0.19	<0.1	0.025	0.17	0.9	14.4	0.06	197	0.29	0.01	<0.1	1.6	60
D939481		0.85	0.50	0.07	<0.1	<0.005	0.06	1.0	9.0	0.04	308	0.29	0.01	<0.1	2.1	30
D939482		1.33	1.68	<0.05	0.1	0.005	0.28	3.9	14.4	0.07	390	0.49	0.02	0.5	2.9	190
D939483		1.07	1.05	<0.05	<0.1	0.008	0.12	1.6	12.6	0.08	408	0.29	0.02	0.2	2.7	60
D939484		0.56	0.67	0.06	<0.1	0.024	0.02	1.3	9.7	0.04	164	0.62	0.01	0.1	2.2	200
D939485		0.70	1.08	0.19	<0.1	0.018	0.13	1.7	19.6	0.10	183	0.74	0.01	0.1	1.8	90
D939486		5.72	24.3	0.17	2.4	0.246	3.83	36.2	24.2	0.30	1055	5.63	0.08	12.4	6.8	1750
D939487		0.12	0.16	<0.05	<0.1	0.005	0.02	0.5	2.1	12.75	112	0.43	<0.01	0.1	2.5	20
D939488		0.91	1.06	<0.05	0.1	0.013	0.11	2.6	1.1	0.04	59	17.80	0.09	0.4	1.6	80
D939489		3.82	17.40	0.11	0.7	0.054	2.27	19.8	11.1	1.28	891	0.56	2.44	7.1	23.0	1180
D939490		0.71	0.66	<0.05	<0.1	0.009	0.06	2.3	0.7	0.04	40	76.4	0.07	0.4	3.2	40
D939491		1.43	3.06	<0.05	0.1	0.007	0.44	3.7	3.4	0.50	259	1.91	0.18	0.9	8.2	30
D939492		1.65	8.78	0.07	0.8	0.016	1.56	19.4	2.8	0.29	462	1.10	1.49	6.0	3.5	200
D939493		1.94	5.14	0.05	0.9	<0.005	1.22	3.4	3.1	0.05	53	2.62	0.60	2.1	0.9	10
D939494		9.81	11.65	0.14	0.8	2.48	1.05	16.4	9.2	2.26	894	55.7	0.86	2.7	360	650
D939495		0.12	0.19	0.08	<0.1	<0.005	0.02	0.5	2.3	13.00	109	0.13	0.01	0.1	0.5	20

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
D939460		65.0	50.0	<0.002	2.72	0.64	1.6	2	0.5	121.0	0.29	0.05	5.87	0.105	0.21	1.1
D939461		68.9	93.7	<0.002	0.41	0.61	16.5	1	1.1	363	0.42	0.05	3.22	0.439	0.51	1.2
D939462		17.8	59.7	<0.002	0.07	0.46	1.2	1	0.5	156.5	0.18	0.10	8.67	0.082	0.30	0.4
D939463		12.4	74.2	<0.002	0.01	0.07	0.3	1	<0.2	479	0.15	<0.05	5.31	0.046	0.34	2.2
D939464		21.1	47.6	<0.002	0.89	0.63	14.0	2	3.6	772	0.75	<0.05	12.70	0.315	0.40	7.1
D939465		5.4	30.1	<0.002	0.31	0.98	34.0	3	1.5	236	0.90	0.08	1.76	1.415	0.19	1.2
D939466		27.1	37.4	<0.002	0.04	0.92	3.7	1	0.5	104.0	0.24	<0.05	4.19	0.122	0.26	3.8
D939467		1.8	14.1	<0.002	<0.01	0.20	1.8	1	0.3	34.6	0.07	<0.05	1.80	0.056	0.11	0.5
D939468		6.6	65.5	<0.002	1.38	0.72	35.1	17	1.6	753	0.35	0.15	4.65	0.583	0.50	1.9
D939469		4.4	45.5	0.012	0.68	1.04	18.1	7	1.2	543	0.32	0.08	4.36	0.355	0.39	4.3
D939470		3.8	34.0	<0.002	0.03	0.92	5.3	2	0.4	97.4	0.17	0.06	2.09	0.107	0.25	0.8
D939471		63.4	61.9	0.007	0.33	1.53	5.8	5	0.6	178.5	0.31	0.09	4.15	0.124	0.38	2.5
D939472		1.3	5.2	<0.002	0.01	0.18	0.4	1	<0.2	16.6	<0.05	<0.05	0.43	0.016	0.04	0.1
D939473		8.1	59.4	<0.002	0.03	0.40	9.5	2	1.2	588	0.81	<0.05	13.60	0.471	0.37	4.0
D939474		3390	43.9	0.004	0.08	88.0	7.5	2	293	308	0.46	0.06	5.40	0.208	0.39	3.5
D939475		7.1	20.2	0.002	0.05	0.35	21.8	2	0.9	671	0.60	0.08	5.28	0.430	0.22	2.4
D939476		42.1	57.0	0.003	0.08	2.59	5.5	5	1.4	95.9	0.41	0.08	3.68	0.131	0.49	2.9
D939477		>10000	1.4	<0.002	1.57	208	0.3	<1	<0.2	53.2	<0.05	0.55	0.14	0.006	0.20	19.4
D939478		>10000	3.1	<0.002	0.14	31.8	0.4	<1	<0.2	5.5	<0.05	0.08	0.29	0.010	0.08	2.9
D939479		>10000	28.7	<0.002	1.08	504	1.7	<1	0.2	16.8	<0.05	0.18	1.10	0.068	0.38	0.5
D939480		>10000	6.2	<0.002	0.53	1725	0.6	<1	<0.2	8.2	<0.05	<0.05	0.26	0.016	0.16	0.9
D939481		1680	2.1	<0.002	0.01	15.50	0.3	<1	<0.2	2.7	<0.05	<0.05	0.15	0.006	0.03	0.5
D939482		>10000	11.4	<0.002	0.34	119.5	0.7	<1	<0.2	5.5	<0.05	0.09	0.81	0.024	0.19	2.8
D939483		458	4.5	<0.002	0.01	19.50	0.4	<1	<0.2	3.6	<0.05	<0.05	0.51	0.014	0.04	0.9
D939484		7270	0.9	<0.002	0.01	556	0.2	<1	<0.2	3.5	<0.05	0.07	0.11	<0.005	0.04	4.3
D939485		>10000	4.5	<0.002	0.13	74.5	0.1	<1	<0.2	5.1	<0.05	0.05	0.50	0.006	0.10	1.1
D939486		4090	175.0	0.003	0.62	71.2	15.2	3	21.2	387	0.80	0.36	6.89	0.460	2.04	3.6
D939487		42.8	0.8	<0.002	<0.01	1.84	0.2	<1	<0.2	48.6	<0.05	<0.05	0.11	<0.005	<0.02	0.1
D939488		56.7	5.3	<0.002	0.02	0.84	0.3	<1	<0.2	15.2	<0.05	0.22	1.72	0.011	0.03	4.7
D939489		17.0	71.3	<0.002	0.09	1.67	13.1	2	1.1	440	0.36	<0.05	6.58	0.415	0.50	1.8
D939490		12.6	2.9	0.007	0.04	0.32	0.4	<1	<0.2	14.4	<0.05	<0.05	0.26	0.019	0.03	1.2
D939491		14.8	18.0	0.003	0.44	1.00	3.2	<1	0.2	74.2	0.06	0.22	1.02	0.050	0.10	0.2
D939492		16.8	56.7	<0.002	0.16	1.05	2.1	<1	0.5	140.0	1.38	<0.05	14.25	0.080	0.32	3.2
D939493		31.2	36.7	<0.002	0.04	0.97	0.4	<1	<0.2	44.7	0.25	<0.05	7.65	0.019	0.23	3.9
D939494		8600	42.1	0.016	6.04	33.3	13.2	13	6.8	150.5	0.21	0.76	3.24	0.205	2.38	5.2
D939495		11.2	1.0	<0.002	<0.01	0.28	0.1	1	<0.2	50.2	<0.05	<0.05	0.14	<0.005	<0.02	0.1

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Cu	Pb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOD	1	0.1	0.1	2	0.5	1	0.001	0.001
D939460		18	2.1	3.6	20	11.6			
D939461		137	4.4	9.1	163	23.1			
D939462		15	1.3	1.9	6	11.2			
D939463		17	0.2	0.6	8	5.0			
D939464		194	55.3	16.8	29	9.3			
D939465		521	1.5	34.3	62	3.2			
D939466		232	0.7	10.2	127	20.1			
D939467		27	0.4	4.0	23	6.3			
D939468		237	1.8	22.2	112	78.9			
D939469		348	1.1	20.4	488	57.8			
D939470		51	0.4	7.1	61	5.0			
D939471		210	4.0	21.7	1110	11.7			
D939472		7	0.1	2.3	6	1.1			
D939473		82	0.6	25.8	54	181.5			
D939474		135	4.4	18.4	357	26.8	267		
D939475		178	0.3	31.0	90	21.5			
D939476		272	1.5	10.7	27	20.5			
D939477		342	0.8	3.3	1140	1.2	347		13.85
D939478		89	0.4	0.8	58	0.8			1.330
D939479		29	0.3	1.8	2340	1.6	267		6.24
D939480		27	0.1	0.7	4240	0.6	832		2.66
D939481		8	0.2	1.1	75	0.6			
D939482		49	0.5	1.4	208	2.5	129		2.56
D939483		15	0.3	1.2	386	1.5			
D939484		138	0.2	1.2	310	<0.5	171		
D939485		5	0.1	0.5	1010	0.5			1.635
D939486		148	3.7	20.9	2520	74.4			
D939487		1	0.1	0.3	7	0.6			
D939488		8	1.6	0.8	5	5.8			
D939489		125	1.2	11.8	74	13.8			
D939490		7	0.7	0.5	4	0.9			
D939491		25	174.0	1.8	14	2.2			
D939492		27	1.5	7.1	17	27.5			
D939493		2	0.5	1.8	6	20.4			
D939494		396	5.9	13.7	7950	27.3			
D939495		1	0.1	0.3	14	<0.5			

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 23-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210952

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG62	Au-ICP21	Cu-OG62	ME-MS61
	ME-OG62	Pb-OG62		

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

CERTIFICATE WH23210960

Project: Pike Warden

This report is for 109 samples of Soil submitted to our lab in Whitehorse, YT, Canada on 31-JUL-2023.

The following have access to data associated with this certificate:

GREG COLLINS BEN WILLIAMS	THOMAS HART	SARAH REESE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
AuME-ST43	25g Super Trace Au + Multi Element PKG	

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	AuME-ST43 Au ppm 0.0001	AuME-ST43 Ag ppm 0.001	AuME-ST43 Al % 0.01	AuME-ST43 As ppm 0.01	AuME-ST43 B ppm 2	AuME-ST43 Ba ppm 0.05	AuME-ST43 Be ppm 0.005	AuME-ST43 Bi ppm 0.0005	AuME-ST43 Ca % 0.01	AuME-ST43 Cd ppm 0.001	AuME-ST43 Ce ppm 0.001	AuME-ST43 Co ppm 0.001	AuME-ST43 Cr ppm 0.01	AuME-ST43 Cs ppm 0.001
YY24501		0.23	0.0019	0.167	3.46	8.37	<2	167.0	0.980	0.268	0.31	0.129	41.6	14.05	32.5	3.44
YY24502		0.26	0.0019	0.161	4.81	4.44	<2	346	0.930	0.446	0.44	0.128	49.5	20.8	26.1	2.23
YY24503		0.35	0.0023	0.187	2.99	9.29	<2	201	0.843	0.225	0.39	0.204	52.8	16.00	35.2	3.15
YY24504		0.31	0.0220	0.182	3.34	8.54	<2	241	0.715	0.272	0.42	0.160	43.8	16.00	25.8	3.64
YY24505		0.38	0.0050	0.425	2.54	17.35	<2	160.5	1.055	0.225	0.46	0.373	58.9	17.95	36.8	3.70
YY24506		0.32	0.0011	0.083	3.18	5.40	<2	164.5	0.662	0.248	0.24	0.159	38.6	13.05	23.4	3.36
YY24507		0.38	0.0014	0.159	2.98	8.13	<2	141.5	0.626	0.287	0.23	0.170	33.7	12.85	29.3	3.50
YY24508		0.29	0.0010	0.108	2.12	5.68	<2	203	0.703	0.236	0.27	0.349	30.9	9.58	22.0	2.36
YY24509		0.30	0.0048	0.275	2.74	5.93	<2	233	0.615	0.525	0.51	0.193	36.0	13.75	33.8	2.80
YY24510		0.38	0.0024	0.153	2.94	7.69	<2	212	0.660	0.461	0.50	0.187	38.7	14.85	34.0	3.38
YY24511		0.26	0.0018	0.160	3.38	5.50	<2	232	0.711	0.484	0.58	0.206	38.6	14.20	31.7	3.59
YY24512		0.30	0.0022	0.133	2.44	4.87	<2	157.0	0.648	0.309	0.34	0.257	39.7	11.30	22.4	2.30
YY24513		0.28	0.0017	0.180	3.48	8.12	<2	187.5	0.844	0.496	0.48	0.236	56.8	15.00	33.8	3.55
YY24514		0.35	0.0018	0.084	2.05	3.10	<2	131.0	0.422	0.225	0.52	0.148	31.4	11.60	22.0	2.59
YY24515		0.41	0.0015	0.024	1.51	1.88	<2	80.6	0.273	0.0994	0.33	0.085	27.2	7.77	14.65	1.315
YY24516		0.40	0.0009	0.022	1.70	1.56	<2	103.5	0.299	0.0968	0.34	0.085	30.9	8.77	13.60	1.695
YY24517		0.43	0.0072	0.021	1.72	1.57	<2	97.2	0.291	0.0828	0.32	0.058	28.4	8.72	14.00	1.720
YY24518		0.26	0.0119	0.141	3.13	2.80	<2	316	0.527	0.1650	0.41	0.075	33.5	17.90	29.1	3.42
YY24519		0.28	0.0009	0.055	2.46	1.60	<2	290	0.387	0.1090	0.40	0.109	24.0	18.55	85.0	2.43
YY24520		0.31	0.0011	0.113	2.45	3.74	<2	219	0.452	0.1945	0.40	0.122	26.6	14.80	68.4	2.39
YY24521		0.26	0.0013	0.063	2.26	1.51	<2	247	0.353	0.0999	0.44	0.123	21.4	15.20	32.9	2.06
YY24522		0.41	0.0014	0.262	2.44	1.44	<2	257	0.800	0.704	0.35	0.183	66.0	13.40	36.5	2.12
YY24523		0.40	0.0584	0.102	1.68	1.16	<2	152.5	0.518	0.1820	0.39	0.157	48.2	12.60	35.5	1.485
YY24524		0.32	0.0053	0.210	2.60	4.48	<2	317	0.656	0.780	0.52	0.244	43.8	16.70	40.8	3.08
YY24525		0.31	0.0058	0.135	1.42	1.20	<2	139.0	0.327	0.477	0.49	0.120	31.0	12.80	57.5	1.025
YY24526		0.30	0.0039	0.173	1.74	1.42	<2	192.5	0.295	0.646	0.58	0.106	30.4	17.00	66.0	1.350
YY24527		0.31	0.0030	0.117	2.09	1.70	<2	234	0.393	0.509	0.36	0.075	31.1	14.20	39.6	2.07
YY24528		0.34	0.0097	0.125	1.87	1.48	<2	251	0.329	0.508	0.49	0.097	31.7	15.20	40.7	2.02
YY24529		0.35	0.0099	0.154	2.36	2.03	<2	236	0.532	0.658	0.30	0.106	41.1	14.15	34.6	2.31
YY24530		0.39	0.0054	0.181	1.76	2.38	<2	225	0.355	0.494	0.49	0.158	30.3	13.75	38.4	2.43
YY24531		0.28	0.0218	0.686	1.76	21.5	<2	223	0.607	0.750	0.36	1.395	32.0	13.20	21.8	1.990
YY24532		0.36	0.0450	0.395	1.69	7.49	<2	292	0.692	0.501	0.35	0.494	44.5	13.40	26.0	1.855
YY24533		0.24	0.0032	0.256	2.33	2.95	<2	228	0.525	1.065	0.21	0.234	27.4	13.45	31.7	2.23
YY24534		0.32	0.201	0.178	1.54	1.91	<2	203	0.350	0.722	0.31	0.132	32.1	10.10	26.4	1.340
YY24535		0.34	0.0049	0.150	2.50	3.52	<2	350	0.595	1.305	0.23	0.176	41.6	14.65	34.7	2.54
YY24536		0.29	0.0176	0.104	1.94	1.83	<2	251	0.424	0.750	0.28	0.112	33.5	11.25	24.8	1.875
YY24537		0.41	0.0034	0.064	1.08	2.64	<2	114.0	0.223	0.352	0.24	0.177	29.7	8.49	17.55	1.125
YY24538		0.32	0.0082	0.123	1.24	4.02	<2	131.0	0.277	0.310	0.23	0.186	36.0	8.26	12.40	1.040
YY24539		0.25	0.0014	0.049	2.69	1.85	<2	199.5	0.547	0.0893	0.52	0.065	40.3	12.55	8.55	1.435
YY24540		0.28	0.0020	0.405	2.28	5.05	<2	133.5	0.360	0.941	0.56	0.233	37.7	16.40	12.30	4.94

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.01	0.001	0.004	0.005	0.002	0.002	0.005	0.01	0.002	0.1	0.01	0.1	0.002	0.001	0.002
YY24501		49.4	4.14	11.75	0.093	0.007	0.026	0.033	0.12	38.5	26.2	1.20	886	1.655	0.011	1.345
YY24502		87.9	5.28	14.55	0.079	0.017	0.028	0.032	0.31	25.8	33.7	1.66	1475	1.420	0.017	1.010
YY24503		52.8	4.18	9.50	0.082	0.012	0.019	0.035	0.18	26.7	28.2	1.23	976	1.545	0.012	0.520
YY24504		51.2	4.22	11.20	0.076	0.018	0.024	0.028	0.28	23.1	31.1	1.35	988	1.355	0.016	0.614
YY24505		64.7	4.34	9.64	0.095	0.038	0.016	0.037	0.11	34.4	24.3	1.20	1095	3.60	0.009	0.126
YY24506		28.1	3.81	10.60	0.066	0.008	0.023	0.025	0.14	27.6	23.0	1.07	846	1.835	0.011	1.040
YY24507		28.6	3.47	9.34	0.050	0.023	0.034	0.033	0.18	16.75	21.8	0.99	965	2.20	0.013	1.205
YY24508		16.05	2.95	7.15	0.040	0.004	0.026	0.028	0.05	16.35	16.6	0.61	1070	1.465	0.009	0.933
YY24509		38.0	3.60	8.90	0.070	0.017	0.016	0.020	0.19	22.3	25.2	1.23	796	0.791	0.015	0.457
YY24510		40.0	3.85	9.56	0.078	0.014	0.019	0.024	0.23	24.4	26.4	1.25	820	0.993	0.016	0.339
YY24511		38.5	3.81	11.45	0.049	0.006	0.033	0.027	0.20	16.85	28.1	1.17	846	0.882	0.011	1.200
YY24512		17.65	2.93	8.76	0.041	0.008	0.038	0.027	0.10	14.50	20.0	0.81	637	0.930	0.009	1.395
YY24513		39.7	3.98	12.35	0.063	0.009	0.031	0.035	0.19	23.9	29.7	1.14	880	1.025	0.010	1.095
YY24514		21.1	2.94	6.80	0.064	0.007	0.008	0.016	0.23	19.80	20.2	1.01	573	0.516	0.014	0.315
YY24515		8.31	2.31	4.89	0.070	0.006	0.004	0.011	0.15	18.65	16.4	0.66	379	0.360	0.011	0.399
YY24516		8.42	2.45	5.37	0.079	0.011	0.007	0.012	0.22	19.10	19.4	0.78	452	0.267	0.011	0.360
YY24517		8.81	2.44	5.56	0.078	0.010	0.006	0.012	0.23	19.25	18.6	0.77	431	0.252	0.012	0.434
YY24518		47.6	3.94	10.90	0.065	0.006	0.016	0.026	0.14	22.3	28.7	1.49	741	1.085	0.016	0.635
YY24519		33.0	3.62	7.22	0.056	0.004	0.027	0.018	0.19	13.15	21.3	1.45	655	0.614	0.013	0.468
YY24520		30.4	3.31	8.22	0.057	0.006	0.015	0.022	0.12	16.15	21.4	1.18	596	1.045	0.010	0.680
YY24521		33.9	3.48	7.00	0.073	0.004	0.020	0.015	0.28	11.80	18.0	1.21	555	0.480	0.010	0.508
YY24522		26.6	3.47	8.31	0.087	0.018	0.019	0.037	0.11	33.2	14.7	1.09	876	1.630	0.007	0.327
YY24523		20.2	2.90	5.46	0.083	0.011	0.012	0.025	0.08	26.4	10.6	0.93	698	0.980	0.011	0.224
YY24524		44.4	3.56	8.02	0.057	0.013	0.020	0.027	0.15	22.1	20.9	1.27	906	2.93	0.012	0.403
YY24525		22.3	2.91	4.83	0.065	0.009	0.008	0.013	0.09	19.20	11.2	0.99	474	1.125	0.011	0.260
YY24526		37.6	3.17	5.52	0.065	0.010	0.015	0.014	0.12	20.7	13.4	1.23	508	0.838	0.014	0.428
YY24527		31.4	3.20	6.27	0.051	0.007	0.016	0.017	0.11	19.50	16.2	1.11	572	1.160	0.012	0.377
YY24528		30.3	3.20	5.78	0.065	0.009	0.011	0.014	0.18	21.1	15.4	1.14	557	1.010	0.015	0.312
YY24529		31.9	3.34	7.74	0.052	0.005	0.026	0.022	0.10	20.9	19.9	1.11	678	1.155	0.012	0.612
YY24530		24.9	3.09	5.74	0.063	0.004	0.011	0.015	0.13	20.1	13.8	1.10	576	0.797	0.012	0.304
YY24531		29.6	3.34	5.01	0.050	0.005	0.037	0.025	0.06	20.9	12.6	0.68	1045	2.54	0.007	0.381
YY24532		27.8	3.20	5.17	0.068	0.012	0.016	0.021	0.08	29.6	15.0	0.88	929	1.225	0.005	0.246
YY24533		25.9	3.32	8.16	0.038	0.004	0.067	0.022	0.11	16.50	19.5	0.93	921	1.575	0.009	0.945
YY24534		20.3	2.56	4.47	0.058	0.006	0.013	0.010	0.09	18.80	12.4	0.82	484	0.791	0.010	0.357
YY24535		34.4	3.37	8.24	0.058	0.005	0.023	0.020	0.12	26.9	17.4	1.08	1065	1.720	0.007	0.372
YY24536		27.1	2.71	5.68	0.041	0.003	0.018	0.014	0.09	16.00	14.1	0.90	503	0.990	0.009	0.483
YY24537		17.05	2.14	3.50	0.052	0.003	0.006	0.013	0.08	16.35	9.2	0.54	487	0.757	0.011	0.329
YY24538		13.75	2.14	3.82	0.057	0.009	0.019	0.013	0.10	20.4	10.2	0.58	506	0.743	0.007	0.562
YY24539		80.3	3.90	7.47	0.078	0.007	0.010	0.023	0.35	17.95	20.8	1.12	1125	0.503	0.019	0.366
YY24540		42.6	4.05	7.44	0.073	0.006	0.018	0.017	0.28	19.90	27.6	1.29	1045	1.185	0.020	0.517

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
	Analyte	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.0005	0.005	0.001	0.001	0.005	0.0002	0.002	0.002	0.005	0.002	0.01	0.01	0.005	0.001
YY24501		19.50	0.0983	19.40	0.001	<0.001	23.1	<0.0002	0.096	0.349	2.52	0.324	0.61	30.9	<0.005	0.042
YY24502		18.65	0.0591	21.4	0.001	<0.001	52.6	<0.0002	0.054	0.158	6.61	0.219	0.66	49.1	<0.005	0.043
YY24503		22.9	0.0725	17.55	0.002	<0.001	34.2	<0.0002	0.019	0.293	6.29	0.236	0.61	38.9	<0.005	0.040
YY24504		19.65	0.0763	15.15	0.001	<0.001	52.7	<0.0002	0.025	0.208	6.57	0.238	0.62	39.6	<0.005	0.040
YY24505		28.4	0.1000	19.35	0.001	<0.001	19.20	<0.0002	0.010	0.325	9.56	0.241	0.54	35.0	<0.005	0.042
YY24506		15.85	0.0853	14.70	0.001	<0.001	32.4	<0.0002	0.051	0.196	3.44	0.237	0.52	26.9	<0.005	0.042
YY24507		18.85	0.1185	17.15	<0.001	<0.001	37.9	<0.0002	0.039	0.330	3.27	0.426	0.69	29.0	<0.005	0.039
YY24508		12.65	0.0895	15.10	<0.001	<0.001	22.1	<0.0002	0.075	0.286	1.285	0.184	0.59	29.2	<0.005	0.035
YY24509		21.8	0.0811	13.50	0.001	<0.001	32.1	<0.0002	0.018	0.183	5.04	0.160	0.45	41.9	<0.005	0.058
YY24510		22.0	0.0763	13.50	0.002	<0.001	39.8	<0.0002	0.014	0.211	5.79	0.168	0.53	59.8	<0.005	0.061
YY24511		21.4	0.0741	15.75	0.001	<0.001	37.9	<0.0002	0.062	0.245	3.01	0.162	0.56	67.6	<0.005	0.083
YY24512		15.05	0.0614	13.30	<0.001	<0.001	24.9	0.0002	0.049	0.251	2.27	0.146	0.53	50.9	<0.005	0.059
YY24513		22.8	0.0867	23.1	0.001	<0.001	39.9	<0.0002	0.063	0.281	3.17	0.179	0.64	42.0	<0.005	0.064
YY24514		13.55	0.0980	8.43	<0.001	<0.001	35.7	<0.0002	0.009	0.110	3.44	0.105	0.35	50.6	<0.005	0.024
YY24515		8.58	0.1005	4.47	0.001	<0.001	24.4	<0.0002	0.005	0.100	2.28	0.058	0.34	19.30	<0.005	0.009
YY24516		8.52	0.1030	4.39	0.001	<0.001	34.2	<0.0002	0.005	0.076	2.38	0.051	0.33	22.8	<0.005	0.007
YY24517		8.82	0.1035	4.19	<0.001	<0.001	34.7	<0.0002	0.006	0.088	2.55	0.043	0.33	19.10	<0.005	0.007
YY24518		21.5	0.0812	10.90	<0.001	<0.001	23.9	<0.0002	0.030	0.110	5.68	0.135	0.42	57.3	<0.005	0.022
YY24519		44.2	0.1060	5.79	0.001	<0.001	30.6	<0.0002	0.041	0.081	4.20	0.102	0.32	38.7	<0.005	0.014
YY24520		35.9	0.0838	7.78	0.001	<0.001	22.4	0.0002	0.033	0.149	3.35	0.101	0.43	32.2	<0.005	0.018
YY24521		20.2	0.0982	5.28	<0.001	<0.001	32.8	<0.0002	0.041	0.079	3.43	0.091	0.25	41.6	<0.005	0.010
YY24522		19.45	0.0885	17.80	0.002	<0.001	17.85	<0.0002	0.028	0.104	4.53	0.102	0.43	44.4	<0.005	0.059
YY24523		17.20	0.1150	10.60	<0.001	<0.001	10.90	<0.0002	0.015	0.083	4.07	0.080	0.28	28.0	<0.005	0.024
YY24524		25.9	0.0985	26.3	0.001	<0.001	21.0	0.0002	0.031	0.148	4.68	0.122	0.34	70.2	<0.005	0.078
YY24525		23.5	0.1270	9.22	0.001	<0.001	10.80	<0.0002	0.016	0.068	3.03	0.067	0.21	28.1	<0.005	0.047
YY24526		30.9	0.1275	7.61	0.001	<0.001	16.10	<0.0002	0.024	0.075	4.29	0.100	0.22	39.1	<0.005	0.034
YY24527		21.2	0.1030	9.10	<0.001	<0.001	20.2	<0.0002	0.022	0.069	4.02	0.084	0.29	33.1	<0.005	0.043
YY24528		21.2	0.1300	8.82	<0.001	<0.001	23.3	<0.0002	0.015	0.071	4.05	0.067	0.25	40.3	<0.005	0.033
YY24529		20.6	0.0949	15.80	0.001	<0.001	17.90	<0.0002	0.034	0.111	3.75	0.082	0.37	34.1	<0.005	0.052
YY24530		22.5	0.1230	13.60	0.001	<0.001	19.10	<0.0002	0.013	0.075	4.11	0.078	0.24	31.5	<0.005	0.035
YY24531		17.80	0.0898	102.5	<0.001	<0.001	11.50	<0.0002	0.052	0.318	2.22	0.184	0.28	27.0	<0.005	0.062
YY24532		18.75	0.1010	33.2	0.001	<0.001	10.95	<0.0002	0.012	0.141	4.24	0.114	0.25	30.7	<0.005	0.051
YY24533		20.1	0.0702	15.70	0.001	<0.001	22.7	<0.0002	0.045	0.139	2.34	0.131	0.43	27.2	<0.005	0.121
YY24534		15.95	0.1015	10.50	0.001	<0.001	11.10	<0.0002	0.011	0.079	2.38	0.050	0.20	26.7	<0.005	0.077
YY24535		21.1	0.0729	20.7	<0.001	<0.001	23.1	<0.0002	0.027	0.121	3.59	0.128	0.36	32.1	<0.005	0.112
YY24536		16.95	0.0916	18.75	0.001	<0.001	12.55	<0.0002	0.033	0.096	2.02	0.123	0.25	35.1	<0.005	0.073
YY24537		11.80	0.0976	9.60	0.001	<0.001	10.05	<0.0002	0.012	0.097	1.845	0.115	0.19	17.25	<0.005	0.038
YY24538		10.15	0.1045	14.85	0.001	<0.001	13.05	<0.0002	0.014	0.115	2.08	0.232	0.27	12.90	<0.005	0.036
YY24539		7.09	0.1030	7.01	0.001	<0.001	45.9	<0.0002	0.021	0.096	4.96	0.127	0.43	39.4	<0.005	0.011
YY24540		9.44	0.0891	18.90	0.002	<0.001	45.5	<0.0002	0.034	0.119	3.83	0.139	0.40	48.5	<0.005	0.046

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
	Analyte	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.0005	0.0001	0.0005	0.0005	0.05	0.001	0.001	0.1	0.01
YY24501		1.235	0.0457	0.1805	5.53	89.0	0.246	20.6	100.0	0.30
YY24502		4.50	0.0930	0.365	14.25	107.0	0.126	18.05	125.5	0.56
YY24503		7.12	0.1055	0.228	9.92	91.7	0.337	15.20	108.0	0.58
YY24504		8.85	0.1440	0.293	13.70	90.5	0.311	12.80	105.0	0.90
YY24505		12.70	0.0514	0.1400	3.44	91.0	0.195	20.3	120.5	2.14
YY24506		3.56	0.0803	0.201	8.59	85.6	0.183	11.15	88.8	0.31
YY24507		4.18	0.0783	0.200	3.81	74.3	0.193	9.41	107.5	0.66
YY24508		0.662	0.0289	0.1535	1.760	63.2	0.161	7.24	79.6	0.15
YY24509		7.46	0.1140	0.208	5.44	76.8	0.242	11.80	86.2	0.66
YY24510		8.49	0.1320	0.248	6.22	86.2	0.345	11.90	93.7	0.62
YY24511		1.680	0.0692	0.206	3.75	82.9	0.219	9.26	92.2	0.33
YY24512		2.43	0.0776	0.1230	1.935	68.4	0.213	6.19	82.1	0.33
YY24513		2.14	0.0594	0.213	8.07	91.3	0.232	12.95	99.1	0.32
YY24514		8.81	0.1130	0.203	3.62	71.6	0.293	7.88	72.3	0.43
YY24515		8.98	0.1035	0.1460	2.21	59.4	0.172	6.37	49.5	0.33
YY24516		9.15	0.1165	0.1940	2.47	61.6	0.092	6.37	57.4	0.55
YY24517		7.76	0.1185	0.1915	2.45	61.1	0.088	6.60	54.6	0.57
YY24518		4.46	0.1310	0.216	8.75	97.7	0.230	12.75	85.7	0.29
YY24519		2.94	0.1245	0.1920	1.640	87.3	0.239	6.62	67.7	0.21
YY24520		2.23	0.1040	0.1910	3.13	81.5	0.198	7.20	68.7	0.30
YY24521		1.600	0.1040	0.1670	1.035	83.7	0.167	5.21	62.6	0.21
YY24522		3.71	0.0384	0.0846	2.24	67.7	0.746	19.20	90.2	0.47
YY24523		4.77	0.0590	0.0783	1.405	63.7	0.265	15.40	65.6	0.38
YY24524		4.95	0.0780	0.1590	3.88	73.5	0.409	10.95	79.6	0.39
YY24525		4.74	0.0633	0.0700	1.290	65.4	0.482	7.98	49.3	0.34
YY24526		5.25	0.0764	0.0992	1.485	75.9	0.686	9.42	54.3	0.39
YY24527		4.52	0.0929	0.1225	1.450	73.7	0.622	7.07	56.6	0.20
YY24528		6.68	0.1070	0.1400	1.545	73.5	0.781	7.93	56.7	0.31
YY24529		4.54	0.0767	0.1155	2.16	71.8	0.502	7.63	63.8	0.24
YY24530		6.65	0.0938	0.1290	1.680	68.6	0.462	8.75	56.4	0.24
YY24531		2.81	0.0268	0.0672	3.33	47.7	0.369	12.05	107.0	0.16
YY24532		11.30	0.0372	0.0834	4.33	52.5	0.226	14.65	74.4	0.44
YY24533		2.19	0.0662	0.1085	1.340	70.3	0.532	4.51	65.7	0.18
YY24534		8.46	0.0762	0.0735	1.140	53.9	0.814	5.95	46.5	0.25
YY24535		3.38	0.0542	0.1315	4.60	66.0	0.523	11.05	69.7	0.15
YY24536		2.05	0.0574	0.1160	1.255	58.8	0.671	5.09	50.0	0.12
YY24537		6.13	0.0608	0.0660	1.505	43.0	0.491	5.68	48.2	0.21
YY24538		8.86	0.0669	0.0931	2.50	37.7	0.186	7.23	58.0	0.36
YY24539		8.85	0.0954	0.301	4.88	71.6	0.156	11.35	88.6	0.17
YY24540		10.35	0.1200	0.216	10.75	83.9	0.260	10.80	91.7	0.17

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	AuME-ST43 Au ppm 0.0001	AuME-ST43 Ag ppm 0.001	AuME-ST43 Al % 0.01	AuME-ST43 As ppm 0.01	AuME-ST43 B ppm 2	AuME-ST43 Ba ppm 0.05	AuME-ST43 Be ppm 0.005	AuME-ST43 Bi ppm 0.0005	AuME-ST43 Ca % 0.01	AuME-ST43 Cd ppm 0.001	AuME-ST43 Ce ppm 0.001	AuME-ST43 Co ppm 0.001	AuME-ST43 Cr ppm 0.01	AuME-ST43 Cs ppm 0.001
YY24541		0.21	0.0011	0.197	2.44	4.22	<2	146.5	0.439	0.528	0.54	0.269	33.0	22.1	26.7	6.86
YY24542		0.28	0.0070	0.195	2.79	4.30	<2	171.0	0.452	0.545	0.56	0.125	33.1	18.45	24.8	4.37
YY24543		0.22	0.0011	0.089	3.60	3.59	<2	232	0.345	0.432	0.58	0.155	25.8	29.0	23.2	13.55
YY24544		0.20	0.0087	0.208	2.38	5.02	<2	173.0	0.407	0.344	0.77	0.222	39.6	25.0	30.2	3.18
YY24545		0.27	0.0024	0.135	2.53	3.63	<2	146.0	0.356	0.253	0.83	0.243	34.8	25.0	14.90	3.27
YY24546		0.26	0.0029	0.344	1.99	10.25	<2	98.0	0.370	1.485	0.55	0.195	39.7	16.20	20.5	5.05
YY24547		0.22	0.0051	0.506	1.84	13.15	<2	77.1	0.531	2.83	0.58	0.400	57.5	14.75	28.2	5.03
YY24548		0.29	0.0008	0.075	2.57	3.18	<2	66.7	0.683	0.444	0.21	0.159	75.4	12.00	20.9	3.43
YY24549		0.14	0.0008	0.248	2.40	2.59	<2	75.9	1.050	0.314	0.23	0.232	73.1	8.51	17.80	2.58
YY24550		0.15	0.0010	0.362	2.39	2.76	<2	97.0	0.641	0.400	0.31	0.287	30.6	8.59	16.80	3.04
YY24551		0.20	0.0013	0.060	2.27	3.27	<2	107.5	0.446	0.292	0.30	0.091	31.6	10.15	18.50	2.95
YY24552		0.22	0.0045	0.242	2.68	20.6	<2	95.7	0.691	0.673	0.23	0.094	35.3	11.10	28.7	6.24
YY24553		0.23	0.0033	0.053	1.74	1.76	<2	93.6	0.377	0.329	0.25	0.084	28.8	8.36	21.8	2.09
YY24554		0.26	0.0015	0.035	2.01	1.72	<2	108.5	0.366	0.254	0.22	0.069	24.3	9.54	19.25	2.60
YY24555		0.18	0.0017	0.621	3.75	6.41	<2	172.5	1.220	0.700	0.34	0.322	83.7	13.20	35.1	10.45
YY24556		0.28	0.0106	0.028	2.01	1.93	<2	88.0	0.409	0.1945	0.27	0.081	29.7	9.57	17.15	3.51
YY24557		0.23	0.0021	0.056	1.50	2.40	<2	65.5	0.327	0.296	0.18	0.106	18.60	7.90	12.70	2.17
YY24558		0.28	0.0013	0.029	1.74	2.28	<2	79.1	0.359	0.217	0.29	0.083	27.3	8.51	16.15	2.42
YY24559		0.24	0.0015	0.050	1.80	3.87	<2	67.3	0.372	0.343	0.24	0.121	29.9	9.25	17.25	2.90
YY24560		0.27	0.0020	0.047	1.84	3.19	<2	81.5	0.398	0.259	0.26	0.113	30.6	9.16	17.65	2.86
YY24561		0.27	0.0016	0.050	2.04	3.13	<2	83.3	0.409	0.279	0.25	0.117	32.0	10.40	17.35	3.32
YY24562		0.23	0.0014	0.052	1.95	2.79	<2	76.5	0.415	0.274	0.24	0.111	27.5	8.90	16.40	2.98
YY24563		0.35	0.0009	0.042	1.95	2.81	<2	85.4	0.464	0.218	0.24	0.113	27.0	7.99	14.10	2.26
YY24564		0.31	0.0012	0.026	1.72	2.88	<2	78.5	0.412	0.249	0.33	0.101	28.1	8.21	14.70	2.37
YY24565		0.27	0.0680	0.090	3.23	5.18	<2	130.5	0.779	0.330	0.15	0.120	40.5	10.15	16.00	2.58
YY24864		0.31	0.0009	0.074	2.40	3.49	<2	105.0	0.538	0.249	0.20	0.129	32.0	10.80	17.80	2.44
YY24865		0.33	0.0020	0.052	1.68	3.43	<2	81.6	0.428	0.262	0.22	0.181	29.2	8.08	11.95	1.935
YY24866		0.37	0.0021	0.055	1.89	3.04	<2	104.5	0.440	0.233	0.26	0.145	27.7	8.24	13.05	2.03
YY24867		0.23	0.0012	0.057	2.81	3.69	<2	97.7	0.570	0.396	0.14	0.155	25.2	9.66	17.15	2.71
YY24868		0.32	0.0004	0.034	1.23	1.72	<2	55.0	0.289	0.1120	0.24	0.146	28.8	8.50	10.95	1.220
YY24869		0.27	0.0006	0.038	2.16	2.43	<2	101.0	0.450	0.1920	0.23	0.156	28.8	9.90	14.05	2.00
YY24870		0.34	0.0024	0.060	2.12	3.32	<2	84.0	0.438	0.230	0.24	0.137	36.0	12.05	15.60	2.66
YY24871		0.27	0.0020	0.084	2.51	2.99	<2	130.0	0.523	0.239	0.28	0.169	42.8	12.75	16.70	3.23
YY24872		0.24	0.0009	0.083	2.10	1.94	<2	88.2	0.547	0.308	0.17	0.145	32.3	10.50	15.55	2.88
YY24873		0.20	0.0007	0.085	2.41	2.42	<2	108.0	0.840	0.452	0.17	0.191	82.0	11.95	17.75	2.74
YY24874		0.43	0.0028	0.128	2.46	1.06	<2	179.5	0.543	0.1435	0.70	0.097	50.2	14.40	7.79	1.720
YY24875		0.39	0.0025	0.126	2.97	2.10	<2	213	0.511	0.396	0.57	0.128	40.9	14.75	11.30	2.79
YY24876		0.47	0.0018	0.168	2.40	3.38	<2	205	0.453	0.229	0.31	0.110	28.2	11.95	28.6	1.995
YY24877		0.38	0.0004	0.040	1.92	1.92	<2	122.0	0.313	0.1375	0.30	0.094	27.8	10.25	15.50	1.310
YY24878		0.38	0.0038	0.092	2.36	9.84	<2	130.0	0.706	0.1820	0.28	0.192	51.5	13.10	24.4	2.34

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.01	0.001	0.004	0.005	0.002	0.002	0.005	0.01	0.002	0.1	0.01	0.1	0.002	0.001	0.002
YY24541		43.8	3.54	7.20	0.064	0.009	0.015	0.024	0.24	16.05	26.7	1.32	615	2.01	0.028	0.990
YY24542		42.7	4.11	8.06	0.065	0.006	0.015	0.018	0.24	16.50	28.1	1.52	982	1.065	0.024	0.371
YY24543		43.1	5.09	11.50	0.082	0.008	0.031	0.025	0.50	12.55	34.7	2.14	1125	4.20	0.033	0.550
YY24544		38.0	4.30	6.83	0.084	0.013	0.015	0.018	0.15	21.7	24.5	1.59	1230	1.525	0.024	0.050
YY24545		41.1	4.13	6.43	0.076	0.013	0.006	0.014	0.16	17.95	23.9	1.53	947	2.39	0.035	0.062
YY24546		16.35	3.55	6.69	0.080	0.012	0.014	0.018	0.18	21.2	31.0	1.29	915	0.735	0.015	0.276
YY24547		18.45	3.36	6.11	0.114	0.018	0.012	0.024	0.19	28.8	26.9	1.08	909	1.585	0.015	0.404
YY24548		11.85	3.22	7.24	0.059	0.019	0.025	0.025	0.08	26.7	29.8	1.17	834	0.831	0.008	0.800
YY24549		14.10	2.38	6.02	0.101	0.013	0.049	0.025	0.11	45.1	19.0	0.60	759	1.025	0.011	1.225
YY24550		13.25	2.48	6.19	0.061	0.005	0.045	0.022	0.11	22.1	18.9	0.64	897	0.971	0.011	0.940
YY24551		11.90	2.74	6.31	0.048	0.005	0.011	0.020	0.18	17.20	24.2	0.91	493	0.435	0.012	0.813
YY24552		17.15	2.90	7.12	0.063	0.006	0.022	0.022	0.11	23.1	26.3	0.89	638	0.743	0.012	1.020
YY24553		11.95	2.33	5.09	0.050	0.006	0.016	0.013	0.16	15.75	18.9	0.76	457	0.424	0.010	0.672
YY24554		13.25	2.35	5.57	0.042	0.005	0.013	0.014	0.17	13.10	20.1	0.76	428	0.411	0.011	0.698
YY24555		34.3	3.48	10.15	0.131	0.028	0.023	0.047	0.17	47.3	44.7	0.92	852	0.652	0.010	0.719
YY24556		10.85	2.42	5.87	0.061	0.019	0.006	0.015	0.14	16.55	21.1	0.75	486	0.322	0.011	0.601
YY24557		8.46	1.970	4.62	0.033	0.003	0.014	0.013	0.11	10.85	15.3	0.53	555	0.411	0.009	0.524
YY24558		9.90	2.28	4.50	0.057	0.013	0.006	0.014	0.13	15.65	18.2	0.67	415	0.295	0.012	0.446
YY24559		12.05	2.40	5.19	0.056	0.009	0.010	0.021	0.13	16.95	19.4	0.66	443	0.499	0.010	0.543
YY24560		10.80	2.38	4.95	0.056	0.007	0.007	0.017	0.16	17.80	20.1	0.69	411	0.404	0.011	0.436
YY24561		11.55	2.55	5.97	0.064	0.010	0.005	0.021	0.18	18.00	22.0	0.73	499	0.463	0.011	0.479
YY24562		10.80	2.44	5.41	0.046	0.006	0.009	0.016	0.16	14.85	20.8	0.69	478	0.550	0.009	0.600
YY24563		9.76	2.39	5.02	0.051	0.007	0.006	0.019	0.12	15.00	19.0	0.58	425	0.476	0.009	0.342
YY24564		8.69	2.41	4.89	0.056	0.010	0.004	0.015	0.13	16.60	21.2	0.69	418	0.404	0.013	0.252
YY24565		13.90	2.72	6.98	0.053	0.036	0.012	0.024	0.10	18.10	22.8	0.63	572	0.714	0.010	0.504
YY24864		12.50	2.58	7.30	0.061	0.019	0.009	0.019	0.14	16.30	21.1	0.69	521	0.473	0.010	0.620
YY24865		9.09	2.13	4.61	0.049	0.006	0.006	0.017	0.09	16.80	17.0	0.52	488	0.434	0.008	0.319
YY24866		9.55	2.29	4.81	0.048	0.005	0.008	0.019	0.09	15.65	19.0	0.60	469	0.420	0.012	0.376
YY24867		12.55	2.79	7.71	0.039	0.007	0.022	0.025	0.10	12.55	21.4	0.68	548	0.741	0.009	0.904
YY24868		6.56	1.980	3.76	0.054	0.018	0.005	0.011	0.09	14.70	14.2	0.52	468	0.269	0.009	0.328
YY24869		9.08	2.60	5.43	0.043	0.009	0.009	0.016	0.15	13.90	22.4	0.78	522	0.347	0.010	0.465
YY24870		10.50	2.80	7.21	0.056	0.030	0.011	0.022	0.17	18.35	24.6	0.89	585	0.362	0.011	0.612
YY24871		11.60	3.10	8.68	0.059	0.026	0.007	0.021	0.24	17.55	28.9	1.00	697	0.311	0.009	0.431
YY24872		11.25	2.85	7.50	0.035	0.006	0.031	0.027	0.18	15.90	25.6	0.80	669	0.867	0.010	0.853
YY24873		13.20	3.13	8.74	0.058	0.008	0.043	0.033	0.25	23.7	28.4	0.88	937	0.999	0.010	0.793
YY24874		63.1	4.29	9.41	0.079	0.010	0.007	0.026	0.27	23.7	19.8	1.28	1295	0.553	0.011	0.157
YY24875		78.5	4.14	10.20	0.070	0.005	0.017	0.019	0.50	19.00	22.4	1.37	1105	0.927	0.015	0.429
YY24876		46.9	2.80	7.17	0.054	0.033	0.020	0.019	0.27	14.30	17.6	0.99	772	0.839	0.030	0.660
YY24877		26.7	2.75	5.69	0.050	0.006	0.014	0.010	0.23	15.15	14.8	0.87	533	0.471	0.011	0.710
YY24878		31.9	3.24	7.16	0.047	0.012	0.012	0.028	0.08	20.3	19.0	1.01	710	2.24	0.008	0.499

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
	Analyte	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.0005	0.005	0.001	0.001	0.005	0.0002	0.002	0.002	0.005	0.002	0.01	0.01	0.005	0.001
YY24541		25.6	0.0969	14.00	0.002	<0.001	40.5	<0.0002	0.034	0.152	4.20	0.273	0.54	59.0	<0.005	0.029
YY24542		18.45	0.0846	13.10	0.002	<0.001	35.8	<0.0002	0.028	0.099	4.35	0.156	0.39	64.6	<0.005	0.051
YY24543		27.5	0.0954	9.27	0.001	<0.001	87.0	<0.0002	0.040	0.091	8.05	0.127	0.57	63.6	<0.005	0.067
YY24544		28.8	0.1070	12.85	0.002	<0.001	18.60	<0.0002	0.022	0.102	5.62	0.091	0.32	83.3	<0.005	0.022
YY24545		24.1	0.1005	11.60	<0.001	<0.001	18.25	<0.0002	0.016	0.102	4.93	0.111	0.35	87.7	<0.005	0.026
YY24546		15.35	0.1040	20.6	0.002	<0.001	29.4	0.0002	0.019	0.133	4.36	0.086	0.38	63.2	<0.005	0.051
YY24547		18.35	0.0971	20.3	<0.001	<0.001	26.0	<0.0002	0.023	0.251	3.64	0.122	0.55	38.0	<0.005	0.051
YY24548		13.85	0.0905	18.30	0.002	<0.001	15.20	<0.0002	0.037	0.129	2.40	0.314	0.36	19.55	<0.005	0.014
YY24549		12.45	0.1325	30.1	<0.001	<0.001	25.5	<0.0002	0.139	0.188	0.710	0.252	0.58	28.3	<0.005	0.020
YY24550		11.40	0.1755	12.60	0.001	<0.001	21.6	<0.0002	0.191	0.169	0.529	0.234	0.51	33.6	<0.005	0.022
YY24551		12.00	0.0901	8.78	0.001	<0.001	26.6	<0.0002	0.039	0.094	2.16	0.128	0.44	21.6	<0.005	0.012
YY24552		17.40	0.0716	12.10	0.001	<0.001	22.5	0.0002	0.075	0.131	1.705	0.178	0.53	25.8	<0.005	0.022
YY24553		13.50	0.0822	6.51	<0.001	<0.001	18.30	<0.0002	0.040	0.077	1.505	0.096	0.33	12.75	<0.005	0.010
YY24554		14.50	0.0777	6.28	0.001	<0.001	21.4	<0.0002	0.036	0.069	1.485	0.117	0.33	14.60	<0.005	0.011
YY24555		19.70	0.0515	34.6	0.001	<0.001	33.5	<0.0002	0.047	0.128	5.53	0.151	0.79	33.1	<0.005	0.023
YY24556		11.05	0.0797	7.79	0.001	<0.001	21.8	<0.0002	0.012	0.079	2.38	0.084	0.41	17.85	<0.005	0.009
YY24557		8.30	0.0684	8.09	<0.001	<0.001	15.95	<0.0002	0.049	0.088	1.015	0.086	0.34	15.15	<0.005	0.017
YY24558		10.00	0.0804	6.33	<0.001	<0.001	19.15	<0.0002	0.009	0.091	2.14	0.062	0.41	19.05	<0.005	0.012
YY24559		10.50	0.0923	8.12	0.001	<0.001	22.6	<0.0002	0.020	0.105	2.41	0.149	0.46	13.90	<0.005	0.019
YY24560		10.45	0.0882	7.65	0.002	<0.001	26.3	<0.0002	0.013	0.082	2.27	0.100	0.46	19.40	<0.005	0.012
YY24561		10.75	0.0890	7.94	0.001	<0.001	28.8	<0.0002	0.017	0.100	2.91	0.141	0.50	16.25	<0.005	0.014
YY24562		10.05	0.0906	8.25	<0.001	<0.001	27.3	<0.0002	0.026	0.105	2.18	0.171	0.45	15.10	<0.005	0.014
YY24563		8.58	0.0740	7.21	0.001	<0.001	18.70	<0.0002	0.012	0.090	2.73	0.090	0.45	22.3	<0.005	0.011
YY24564		8.77	0.0792	6.20	0.003	<0.001	20.7	<0.0002	0.009	0.084	2.83	0.066	0.48	23.7	<0.005	0.008
YY24565		10.30	0.0645	11.95	0.001	<0.001	20.4	<0.0002	0.012	0.111	4.33	0.133	0.69	32.4	<0.005	0.015
YY24864		10.25	0.0651	9.10	<0.001	<0.001	22.4	<0.0002	0.014	0.098	3.64	0.112	0.56	17.50	<0.005	0.014
YY24865		7.28	0.0646	8.15	0.002	<0.001	14.90	<0.0002	0.012	0.082	2.41	0.074	0.41	17.70	<0.005	0.012
YY24866		8.20	0.0699	7.50	<0.001	<0.001	15.25	<0.0002	0.019	0.090	2.44	0.111	0.45	20.9	<0.005	0.011
YY24867		11.95	0.0713	11.50	0.001	<0.001	17.75	<0.0002	0.063	0.153	1.525	0.299	0.65	14.20	<0.005	0.024
YY24868		5.95	0.0811	6.03	0.001	<0.001	12.70	<0.0002	0.006	0.054	1.925	0.062	0.30	10.55	<0.005	0.006
YY24869		8.32	0.0783	7.12	<0.001	<0.001	22.0	<0.0002	0.014	0.071	2.37	0.126	0.39	15.55	<0.005	0.008
YY24870		9.45	0.0731	8.36	0.001	<0.001	25.5	<0.0002	0.012	0.070	3.18	0.148	0.40	15.20	<0.005	0.010
YY24871		9.89	0.0871	9.20	0.001	<0.001	37.4	<0.0002	0.010	0.070	3.68	0.053	0.40	21.1	<0.005	0.009
YY24872		9.24	0.0715	11.50	<0.001	<0.001	38.6	<0.0002	0.062	0.096	1.740	0.093	0.55	18.85	<0.005	0.014
YY24873		10.80	0.0623	16.60	0.001	<0.001	36.9	<0.0002	0.056	0.106	2.51	0.114	0.64	21.2	<0.005	0.013
YY24874		6.88	0.1240	9.30	0.002	<0.001	38.4	<0.0002	0.016	0.088	6.16	0.091	0.48	53.9	<0.005	0.008
YY24875		10.10	0.1105	7.77	0.002	<0.001	62.0	<0.0002	0.024	0.086	5.09	0.140	0.42	60.0	<0.005	0.048
YY24876		19.80	0.0976	8.36	<0.001	<0.001	31.6	0.0002	0.019	0.120	3.36	0.283	0.38	33.3	<0.005	0.024
YY24877		11.05	0.0958	4.85	<0.001	<0.001	27.3	<0.0002	0.021	0.089	2.06	0.097	0.22	29.3	<0.005	0.012
YY24878		18.60	0.1000	11.60	0.003	<0.001	13.80	<0.0002	0.021	0.261	3.61	0.265	0.43	24.7	<0.005	0.030

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
	Analyte	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.0005	0.0001	0.0005	0.0005	0.05	0.001	0.001	0.1	0.01
YY24541		6.40	0.1155	0.221	6.11	82.9	0.918	10.20	102.0	0.35
YY24542		7.07	0.1195	0.208	8.16	83.6	0.231	8.01	86.7	0.19
YY24543		6.72	0.1875	0.461	5.44	123.0	1.430	8.11	97.5	0.31
YY24544		11.95	0.0603	0.1460	8.68	76.9	0.065	12.85	85.5	0.37
YY24545		11.00	0.0761	0.1390	6.58	79.3	0.136	10.20	72.4	0.42
YY24546		15.50	0.1030	0.208	10.15	78.2	1.365	10.95	78.2	0.39
YY24547		12.95	0.1050	0.1930	8.33	68.0	9.19	11.40	89.6	0.78
YY24548		7.46	0.0451	0.0977	3.89	61.1	0.372	8.26	75.2	0.40
YY24549		0.669	0.0349	0.1120	3.87	52.0	0.721	14.45	83.1	0.38
YY24550		0.357	0.0227	0.1100	5.82	56.7	0.631	11.65	69.2	0.15
YY24551		4.25	0.1130	0.1890	2.75	65.8	0.582	6.00	69.6	0.25
YY24552		1.520	0.0705	0.1510	5.39	63.8	1.075	9.41	75.1	0.19
YY24553		2.85	0.1025	0.1090	1.240	51.6	0.626	4.32	49.2	0.28
YY24554		2.09	0.0969	0.1545	1.370	56.3	0.776	4.06	50.2	0.29
YY24555		7.54	0.1200	0.1870	10.75	85.2	1.960	18.95	134.0	1.06
YY24556		6.57	0.1190	0.1610	1.980	59.1	1.020	5.48	54.8	0.71
YY24557		1.125	0.0561	0.1000	1.375	45.0	1.790	3.51	42.6	0.13
YY24558		6.09	0.1130	0.1325	1.695	56.3	1.435	5.49	47.1	0.55
YY24559		5.80	0.0968	0.1415	2.07	62.7	1.510	6.38	56.2	0.36
YY24560		6.60	0.1125	0.1605	1.975	63.0	1.675	6.53	57.3	0.35
YY24561		7.71	0.1210	0.1840	2.28	67.0	1.545	7.02	59.8	0.47
YY24562		4.21	0.0919	0.1545	2.05	59.0	0.967	5.87	57.5	0.26
YY24563		7.10	0.0932	0.1160	2.01	56.5	0.931	6.53	52.4	0.38
YY24564		6.63	0.1095	0.1240	1.745	58.0	0.766	6.65	54.8	0.46
YY24565		9.73	0.0929	0.1465	3.06	62.8	0.573	7.89	64.8	1.37
YY24864		7.76	0.1200	0.1815	2.25	67.2	0.932	7.06	59.1	0.92
YY24865		6.17	0.0750	0.1070	2.12	54.1	0.989	6.21	48.2	0.31
YY24866		5.30	0.0834	0.1050	2.04	57.3	1.120	6.33	56.3	0.25
YY24867		1.345	0.0602	0.1190	2.12	65.1	0.946	5.97	69.7	0.31
YY24868		7.77	0.0789	0.0909	1.425	53.2	0.632	4.69	39.7	0.60
YY24869		5.90	0.1020	0.1390	2.34	62.5	0.574	5.35	60.1	0.36
YY24870		8.90	0.1160	0.1695	2.49	71.3	0.634	5.85	66.5	1.16
YY24871		9.47	0.1360	0.254	3.38	75.1	0.594	5.63	74.3	1.08
YY24872		2.16	0.0780	0.1785	2.85	67.9	0.653	5.29	77.0	0.25
YY24873		4.65	0.0838	0.217	3.93	71.4	0.573	7.40	85.6	0.41
YY24874		10.35	0.0653	0.233	4.36	74.7	0.146	16.20	101.0	0.27
YY24875		7.44	0.1190	0.401	3.68	80.2	0.177	10.10	99.1	0.23
YY24876		6.99	0.1135	0.231	3.49	62.1	0.406	7.32	71.9	1.28
YY24877		5.89	0.0909	0.1615	1.535	61.1	0.263	4.67	55.9	0.28
YY24878		4.58	0.0457	0.1245	2.29	71.0	0.259	8.66	85.0	0.43

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method	WEI-21	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.0001	0.001	0.01	0.01	2	0.05	0.005	0.0005	0.01	0.001	0.001	0.001	0.01	0.001
YY24879		0.37	0.0148	0.092	2.32	9.18	<2	84.8	0.653	0.1555	0.24	0.210	33.9	11.45	22.6	2.01
YY24880		0.33	0.0013	0.092	2.38	6.55	<2	183.5	0.670	0.1930	0.23	0.180	29.8	11.10	20.3	2.14
YY24881		0.36	0.0014	0.080	2.53	9.06	<2	87.5	0.472	0.221	0.22	0.163	36.4	10.45	19.70	2.20
YY24882		0.32	0.0013	0.205	2.06	7.22	<2	84.5	0.594	0.1585	0.19	0.162	39.4	8.61	16.25	2.10
YY24883		0.42	0.0026	0.104	1.88	7.86	<2	91.5	0.466	0.206	0.24	0.146	33.8	9.43	18.25	2.32
YY24884		0.31	0.0052	0.064	2.62	8.16	<2	110.5	0.591	0.1775	0.26	0.137	30.6	10.80	20.3	2.37
YY24885		0.28	0.0029	0.083	2.76	6.50	<2	97.8	0.584	0.204	0.21	0.114	32.6	10.35	23.2	1.995
YY24886		0.33	0.0042	0.082	2.00	6.11	<2	172.5	0.440	0.1465	0.36	0.188	41.6	10.75	19.10	1.915
YY24887		0.30	0.0040	0.049	1.66	1.36	<2	204	0.234	0.1570	0.48	0.088	27.4	12.15	21.9	2.14
YY24888		0.25	0.0030	0.099	2.85	3.92	<2	168.5	0.536	0.355	0.35	0.109	24.0	14.80	24.8	3.24
YY24889		0.34	0.0034	0.095	2.46	3.19	<2	282	0.386	0.274	0.46	0.123	28.6	18.65	25.7	3.06
YY24890		0.19	0.0050	0.519	3.81	5.22	<2	416	0.786	0.770	0.84	0.299	51.7	24.4	33.5	4.34
YY24891		0.31	0.0035	0.156	3.34	4.23	<2	264	0.592	0.410	0.45	0.153	39.9	20.4	36.2	4.12
YY24892		0.23	0.0037	0.178	3.70	5.06	<2	289	0.852	0.493	0.50	0.110	48.9	22.9	33.4	3.13
YY24893		0.19	0.0022	0.081	2.76	6.32	<2	145.0	0.653	0.342	0.30	0.100	31.4	14.00	24.8	4.60
YY24894		0.36	0.0057	0.082	2.97	6.71	<2	154.0	0.767	0.375	0.32	0.142	53.3	16.60	39.7	2.83
YY24895		0.36	0.0060	0.099	3.17	3.96	<2	152.5	0.682	0.506	0.34	0.169	41.8	19.25	36.6	2.37
YY24896		0.31	0.0141	0.047	2.53	1.63	<2	115.5	0.486	0.220	0.36	0.116	32.1	13.10	29.2	1.600
YY24897		0.31	0.0031	0.059	2.60	2.99	<2	85.7	0.453	0.222	0.34	0.067	21.5	11.10	23.0	1.465
YY24898		0.27	0.0074	0.258	3.97	3.70	<2	286	0.789	0.540	0.52	0.083	41.5	20.7	33.6	2.68
YY24899		0.48	0.0039	0.148	2.23	1.48	<2	182.0	0.355	0.207	0.42	0.071	32.1	14.30	29.9	1.820
YY24900		0.25	0.0010	0.132	2.10	1.45	<2	309	0.414	0.1380	0.38	0.164	22.2	11.20	17.25	1.985
YY24901		0.16	0.0024	0.179	2.92	3.93	<2	366	0.625	0.272	0.74	0.210	37.7	15.25	30.4	4.34
YY24902		0.23	0.0027	0.171	4.21	6.25	<2	379	0.940	0.412	0.32	0.162	44.6	18.90	43.5	5.40
YY24903		0.27	0.0008	0.091	3.38	2.78	<2	97.4	0.761	0.222	0.22	0.225	36.4	7.78	25.6	2.09
YY24904		0.12	0.0015	0.160	3.35	5.26	<2	411	0.781	0.387	0.25	0.136	34.0	11.00	30.0	3.43
YY24905		0.24	0.0007	0.170	2.28	2.18	<2	207	0.504	0.257	0.39	0.109	41.7	9.85	27.3	2.36
YY24906		0.22	0.0011	0.106	3.19	2.37	<2	296	0.794	0.289	0.42	0.143	53.2	12.35	18.45	4.52
YY24907		0.28	0.0009	0.062	3.31	2.65	<2	324	0.828	0.313	0.37	0.107	57.4	12.10	18.60	4.68

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.01	0.001	0.004	0.005	0.002	0.002	0.005	0.01	0.002	0.1	0.01	0.1	0.002	0.001	0.002
YY24879		25.9	2.99	6.32	0.039	0.016	0.020	0.024	0.05	16.90	17.6	0.85	628	1.915	0.008	0.702
YY24880		16.40	3.17	8.25	0.036	0.006	0.022	0.023	0.05	15.00	19.7	0.84	863	1.590	0.008	0.595
YY24881		23.8	2.87	6.65	0.042	0.026	0.031	0.023	0.08	17.00	17.6	0.87	536	1.645	0.010	0.967
YY24882		20.1	2.42	5.78	0.048	0.009	0.023	0.017	0.07	23.0	13.6	0.69	692	1.350	0.009	0.556
YY24883		22.6	2.73	6.52	0.050	0.008	0.009	0.018	0.10	17.50	16.4	0.85	543	1.215	0.010	0.550
YY24884		20.1	2.92	7.00	0.038	0.012	0.024	0.017	0.09	16.30	19.4	1.07	593	0.897	0.010	1.025
YY24885		20.1	2.93	7.66	0.040	0.010	0.026	0.019	0.06	18.95	19.4	0.99	514	1.015	0.009	1.010
YY24886		29.0	2.67	6.34	0.058	0.039	0.009	0.012	0.15	18.15	17.6	0.95	576	0.935	0.008	0.479
YY24887		27.6	2.91	6.04	0.068	0.018	0.002	0.010	0.37	18.30	17.1	1.16	600	0.344	0.014	0.207
YY24888		28.0	3.54	10.95	0.041	0.005	0.027	0.023	0.17	12.95	18.2	1.14	931	1.620	0.011	0.875
YY24889		41.5	3.82	8.98	0.064	0.008	0.007	0.018	0.32	17.05	21.3	1.45	772	0.742	0.010	0.208
YY24890		81.3	4.98	12.60	0.105	0.023	0.041	0.051	0.25	32.2	30.6	1.96	2010	2.95	0.012	0.721
YY24891		62.0	4.49	12.55	0.071	0.011	0.018	0.031	0.29	22.6	28.4	1.75	926	1.790	0.014	0.579
YY24892		60.3	4.91	14.45	0.098	0.017	0.022	0.049	0.15	35.4	31.3	1.74	1450	4.47	0.012	0.561
YY24893		39.5	3.98	13.20	0.064	0.006	0.016	0.033	0.10	19.35	31.1	1.26	751	2.23	0.008	0.849
YY24894		41.9	3.57	7.77	0.061	0.012	0.019	0.018	0.13	19.90	20.0	1.48	830	2.32	0.013	0.461
YY24895		42.6	3.96	10.25	0.061	0.042	0.015	0.024	0.18	19.60	24.2	1.68	918	2.09	0.011	0.620
YY24896		27.4	3.20	6.79	0.046	0.006	0.023	0.017	0.11	15.00	16.7	1.22	606	0.976	0.010	0.574
YY24897		21.5	3.05	7.73	0.042	0.013	0.023	0.018	0.09	13.95	17.2	1.10	475	1.955	0.010	0.893
YY24898		71.1	4.97	14.60	0.077	0.028	0.030	0.037	0.15	27.5	32.7	1.98	1165	5.43	0.013	0.582
YY24899		34.1	3.55	7.58	0.059	0.009	0.009	0.017	0.20	16.05	17.6	1.35	629	1.110	0.013	0.306
YY24900		19.30	3.19	7.61	0.037	0.004	0.037	0.019	0.11	12.70	21.8	0.93	548	0.764	0.013	1.050
YY24901		52.4	3.44	11.25	0.072	0.025	0.073	0.029	0.24	25.9	34.2	1.30	995	1.580	0.017	1.810
YY24902		58.3	4.37	14.75	0.076	0.023	0.033	0.043	0.14	29.6	41.1	1.44	1120	2.19	0.012	1.505
YY24903		12.50	2.60	7.84	0.053	0.036	0.083	0.025	0.09	15.55	17.6	0.57	336	0.931	0.007	2.33
YY24904		38.0	3.64	12.40	0.056	0.050	0.049	0.035	0.14	18.50	24.8	0.83	671	1.700	0.005	3.41
YY24905		16.25	2.88	8.13	0.047	0.005	0.019	0.022	0.10	17.30	23.6	0.84	521	0.777	0.011	1.455
YY24906		21.4	3.52	10.20	0.076	0.008	0.021	0.026	0.21	24.3	29.4	1.21	834	0.573	0.013	0.943
YY24907		21.6	3.59	11.20	0.090	0.014	0.019	0.024	0.21	27.4	29.0	1.15	853	0.559	0.013	1.195

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
	Analyte	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.0005	0.005	0.001	0.001	0.005	0.0002	0.002	0.002	0.005	0.002	0.01	0.01	0.005	0.001
YY24879		16.10	0.0952	10.50	0.001	<0.001	11.05	<0.0002	0.033	0.292	2.47	0.286	0.42	18.15	<0.005	0.028
YY24880		12.75	0.0889	11.90	<0.001	<0.001	13.05	<0.0002	0.049	0.234	1.280	0.199	0.49	25.0	<0.005	0.032
YY24881		14.15	0.1010	10.30	0.001	<0.001	13.60	<0.0002	0.038	0.252	2.53	0.485	0.36	18.95	<0.005	0.030
YY24882		10.40	0.1025	11.10	<0.001	<0.001	14.30	<0.0002	0.049	0.213	1.090	0.322	0.33	18.35	<0.005	0.023
YY24883		12.70	0.0987	11.05	0.001	<0.001	16.30	<0.0002	0.017	0.212	2.87	0.228	0.38	20.7	<0.005	0.028
YY24884		13.80	0.0846	10.35	0.001	<0.001	12.35	<0.0002	0.031	0.186	2.69	0.246	0.32	22.1	<0.005	0.023
YY24885		14.45	0.0717	10.40	0.001	<0.001	10.10	<0.0002	0.039	0.198	2.38	0.293	0.38	21.3	<0.005	0.027
YY24886		12.75	0.1125	7.32	0.001	<0.001	18.90	<0.0002	0.006	0.154	3.13	0.123	0.25	21.9	<0.005	0.027
YY24887		14.65	0.1420	4.37	0.001	<0.001	36.6	<0.0002	0.005	0.043	2.69	0.050	0.16	26.2	<0.005	0.017
YY24888		15.10	0.1145	12.50	0.001	<0.001	25.9	<0.0002	0.097	0.192	1.395	0.327	0.42	26.3	<0.005	0.043
YY24889		17.00	0.1255	7.86	0.001	<0.001	36.1	<0.0002	0.012	0.089	4.54	0.118	0.29	30.4	<0.005	0.031
YY24890		23.1	0.1140	21.8	0.007	<0.001	44.1	<0.0002	0.095	0.179	6.27	0.454	0.52	61.2	<0.005	0.091
YY24891		21.4	0.0701	11.00	0.001	<0.001	41.8	<0.0002	0.046	0.111	6.23	0.284	0.43	32.2	<0.005	0.068
YY24892		23.4	0.0849	21.0	0.002	<0.001	32.0	<0.0002	0.066	0.163	5.75	0.320	1.16	43.7	<0.005	0.059
YY24893		17.10	0.0667	17.45	0.002	<0.001	27.3	<0.0002	0.066	0.217	2.79	0.229	0.56	25.5	<0.005	0.037
YY24894		19.65	0.1005	13.60	0.002	<0.001	17.45	<0.0002	0.041	0.128	3.48	0.226	0.30	35.0	<0.005	0.061
YY24895		22.5	0.1060	12.90	0.001	<0.001	20.6	0.0002	0.026	0.133	5.25	0.229	0.34	28.3	<0.005	0.075
YY24896		16.95	0.1155	6.65	0.001	<0.001	14.50	<0.0002	0.035	0.085	2.73	0.141	0.22	23.4	<0.005	0.031
YY24897		14.05	0.1100	8.47	0.001	<0.001	10.10	<0.0002	0.043	0.106	2.56	0.332	0.25	20.6	<0.005	0.037
YY24898		22.6	0.0826	15.80	0.005	<0.001	26.9	<0.0002	0.045	0.133	6.93	0.384	0.47	44.4	<0.005	0.074
YY24899		16.00	0.0918	6.39	0.001	<0.001	17.85	<0.0002	0.012	0.067	4.35	0.189	0.23	25.7	<0.005	0.040
YY24900		12.05	0.0919	7.85	0.001	<0.001	18.85	<0.0002	0.059	0.085	1.790	0.129	0.34	45.4	<0.005	0.018
YY24901		21.7	0.0845	17.45	0.001	<0.001	45.1	<0.0002	0.050	0.172	5.82	0.311	0.51	85.1	<0.005	0.028
YY24902		29.6	0.0557	25.6	0.002	<0.001	35.7	<0.0002	0.048	0.218	6.44	0.267	0.74	46.3	<0.005	0.039
YY24903		13.55	0.0846	10.65	0.002	<0.001	15.65	<0.0002	0.094	0.157	1.755	0.551	0.37	20.1	0.007	0.019
YY24904		19.25	0.1150	20.4	0.002	<0.001	27.5	<0.0002	0.132	0.265	2.77	0.296	0.72	32.6	0.006	0.045
YY24905		16.05	0.0684	10.80	0.002	<0.001	19.15	<0.0002	0.068	0.161	1.580	0.187	0.47	46.7	<0.005	0.016
YY24906		14.10	0.0889	17.00	<0.001	<0.001	34.9	<0.0002	0.043	0.114	2.81	0.177	0.53	55.3	<0.005	0.024
YY24907		13.90	0.0924	17.10	<0.001	<0.001	35.6	<0.0002	0.044	0.128	3.25	0.166	0.49	51.0	<0.005	0.025

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

Sample Description	Method	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
	Analyte	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.0005	0.0001	0.0005	0.0005	0.05	0.001	0.001	0.1	0.01
YY24879		2.01	0.0367	0.0933	1.610	67.3	0.226	7.25	74.0	0.44
YY24880		0.727	0.0263	0.1115	1.605	69.4	0.237	5.71	84.1	0.15
YY24881		3.15	0.0497	0.1085	1.960	63.0	0.270	6.78	71.4	0.72
YY24882		1.040	0.0276	0.0795	3.28	53.8	0.354	8.47	62.6	0.24
YY24883		6.04	0.0615	0.1165	2.29	59.0	0.352	7.23	71.4	0.31
YY24884		3.98	0.0697	0.1090	2.00	63.3	0.274	5.85	69.1	0.42
YY24885		2.27	0.0536	0.1190	2.85	62.4	0.283	7.13	68.7	0.31
YY24886		9.96	0.0860	0.1405	2.38	62.8	0.406	5.85	63.1	1.50
YY24887		8.74	0.1265	0.215	1.340	66.6	0.590	5.04	59.7	0.60
YY24888		0.744	0.0420	0.1655	2.64	81.2	0.282	6.61	75.2	0.20
YY24889		6.27	0.1315	0.245	1.655	92.5	0.422	6.20	82.9	0.34
YY24890		2.77	0.0957	0.328	4.17	113.0	0.837	25.5	122.0	0.69
YY24891		4.62	0.1275	0.259	3.79	109.5	1.070	14.60	99.8	0.44
YY24892		2.56	0.0656	0.293	5.76	108.0	0.283	21.8	120.0	0.47
YY24893		1.420	0.0589	0.1365	2.96	90.9	0.319	13.30	90.6	0.25
YY24894		4.01	0.0861	0.1350	2.08	81.2	1.145	10.75	75.8	0.38
YY24895		8.17	0.1075	0.221	2.36	83.4	0.520	8.69	89.6	1.22
YY24896		3.07	0.0913	0.1085	1.365	74.8	0.445	5.62	61.1	0.22
YY24897		2.47	0.0709	0.0902	1.955	67.5	0.454	5.76	56.7	0.46
YY24898		5.00	0.0747	0.238	10.30	105.0	0.326	18.65	111.5	0.68
YY24899		6.53	0.1200	0.1280	8.22	85.2	0.554	6.60	68.8	0.35
YY24900		1.440	0.0750	0.1235	1.680	74.1	0.177	4.66	60.8	0.15
YY24901		9.23	0.1230	0.319	17.00	79.8	0.324	14.50	98.4	1.18
YY24902		6.20	0.0906	0.368	26.3	99.9	0.277	17.30	116.5	0.88
YY24903		2.10	0.0690	0.1400	3.24	50.5	0.559	6.03	43.0	1.38
YY24904		2.46	0.0619	0.238	13.85	77.9	0.637	11.05	73.6	2.07
YY24905		1.580	0.0607	0.1370	5.20	66.8	0.214	7.73	61.8	0.24
YY24906		4.22	0.1075	0.225	5.41	79.7	0.159	10.85	87.4	0.36
YY24907		5.07	0.1000	0.228	6.84	80.1	0.169	11.15	83.3	0.55

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 13-AUG-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23210960

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
AuME-ST43

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To: TRANSITION METALS CORP.
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SUDBURY ON P3E 5P5

Finalized Date: 28-OCT-2023
Account: TRAMET

CERTIFICATE WH23276801

Project: Pike Warden

This report is for 78 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 22-SEP-2023.

The following have access to data associated with this certificate:

GREG COLLINS BEN WILLIAMS	THOMAS HART	SARAH REESE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:
Saa Traxler, Director, North Vancouver Operations

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 28-OCT-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23276801

Sample Description	Method	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W590947		0.26	1.340	37.4	8.33	565	1320	1.94	1.33	0.32	32.5	75.5	5.9	20	3.60	142.5
W590948		1.85	<0.001	0.03	0.24	0.7	30	0.16	0.01	32.4	0.04	1.15	0.5	2	0.05	1.4
D938851		1.47	<0.001	0.06	7.97	1.9	870	1.01	0.10	4.55	0.13	42.6	16.2	65	1.90	2.4
D938852		1.50	0.005	0.06	7.31	3.5	1160	1.39	0.06	3.05	0.31	46.9	4.5	12	1.92	2.0
D938853		1.26	<0.001	0.31	6.81	4.3	1080	1.03	0.10	1.15	0.29	52.4	1.3	8	1.28	8.9
D938854		1.70	0.037	0.92	7.57	28.2	1430	1.32	0.49	1.94	0.51	58.6	5.1	6	2.22	14.0
D938855		1.13	0.017	1.64	8.11	87.1	1170	1.25	1.43	0.42	0.34	63.6	6.5	8	1.91	6.2
D938856		1.73	0.013	1.53	6.05	37.0	1090	1.02	1.74	0.42	0.11	36.3	4.3	6	0.87	3.3
D938857		1.65	0.001	1.46	7.30	5.7	1140	1.17	0.97	2.75	0.49	45.2	12.8	11	2.13	30.1
D938858		1.98	<0.001	0.86	8.83	230	920	1.22	0.78	3.86	0.30	48.8	20.2	36	2.21	40.4
D938859		1.19	<0.001	0.52	6.63	2.6	1290	1.49	0.03	0.47	0.16	52.2	1.9	5	0.77	45.7
D938860		2.50	<0.001	0.06	6.68	2.4	1040	1.68	0.06	0.55	<0.02	38.8	2.3	5	0.79	54.1
D938861		1.01	0.003	0.47	6.14	0.6	520	1.44	0.32	0.05	0.17	29.9	0.9	8	1.24	3.1
D938862		1.20	0.001	0.15	6.46	0.5	380	0.91	0.12	0.04	<0.02	32.6	0.2	6	0.92	1.6
D938863		0.60	<0.001	0.05	1.44	0.6	70	0.29	0.02	0.23	0.07	6.86	0.6	21	0.22	5.1
D938864		2.35	<0.001	0.06	5.73	3.1	940	1.33	0.03	0.56	<0.02	48.0	2.2	8	0.63	40.7
D938865		1.04	0.006	0.01	7.74	0.7	1670	1.78	1.08	1.37	0.02	61.1	3.1	8	0.99	3.1
D938866		1.63	0.002	0.03	0.35	0.7	10	<0.05	0.18	0.40	<0.02	5.18	5.7	20	0.13	11.4
D938867		2.56	<0.001	0.16	3.70	1.4	190	0.33	0.67	4.22	0.03	43.7	6.3	13	0.34	61.5
D938868		1.76	<0.001	0.34	7.00	1.5	1240	1.64	0.41	0.49	0.15	57.2	2.7	7	1.00	7.3
D938869		1.68	<0.001	0.08	8.08	6.0	720	1.19	0.07	3.47	0.05	36.1	19.6	18	1.37	68.0
D938870		1.16	0.001	0.19	8.27	1.5	3380	1.21	0.13	1.77	0.06	37.2	21.9	6	1.76	89.8
D938871		1.42	0.001	0.52	6.68	1.9	450	0.91	4.36	2.96	0.07	33.1	15.6	15	1.01	273
D938872		1.16	0.019	6.57	1.60	10.4	110	0.34	0.84	0.02	<0.02	46.8	63.7	16	0.49	322
D938873		2.24	<0.001	0.33	8.03	4.2	590	1.30	0.13	3.77	0.07	27.5	36.0	14	1.60	226
D938874		1.76	0.001	0.31	7.82	4.2	1050	1.58	0.58	2.78	0.05	51.9	17.6	11	2.19	246
D938875		1.37	<0.001	0.11	8.86	3.7	1160	1.87	2.98	2.74	0.10	73.8	37.7	3	1.28	21.1
D938876		2.12	0.003	0.18	6.39	1.6	780	1.68	0.71	2.34	<0.02	38.6	11.0	25	1.04	56.8
D938877		1.63	<0.001	0.10	3.21	0.6	80	0.60	0.47	0.49	0.03	23.5	13.2	8	0.29	4.2
D938878		2.18	0.001	0.72	4.53	1.2	730	1.20	0.22	0.18	<0.02	37.4	3.4	10	1.32	169.0
D938879		1.75	<0.001	0.04	7.06	0.6	1640	2.31	0.26	1.86	<0.02	101.0	11.2	19	2.18	37.8
D938880		1.54	0.009	0.33	1.05	0.6	110	0.46	2.71	0.23	<0.02	7.82	15.2	11	0.52	57.4
D938881		1.81	0.003	0.14	7.04	1.2	830	1.86	2.31	1.92	<0.02	49.9	23.0	7	1.33	13.4
D938882		1.25	0.001	4.53	4.70	1.4	580	0.78	12.60	1.20	0.09	26.0	12.5	12	0.92	151.5
D938883		0.52	0.041	2.43	0.40	6.6	70	0.13	2.20	0.13	<0.02	2.96	16.8	12	0.20	34.0
D938884		2.48	<0.001	0.03	6.36	0.2	1290	1.39	0.07	1.08	<0.02	77.4	3.7	10	0.87	15.2
D938885		2.29	0.002	0.91	6.66	0.6	2240	1.81	8.37	0.38	0.14	54.8	2.1	6	0.91	318
D938886		1.95	0.003	0.28	0.15	0.5	20	<0.05	1.22	0.01	<0.02	1.02	5.5	28	0.14	16.0
D938887		1.59	0.002	0.10	7.94	6.5	2110	2.21	0.10	1.14	<0.02	16.05	7.7	8	1.23	118.5
D938888		2.01	<0.001	0.15	8.80	3.1	2410	2.51	0.08	1.54	<0.02	52.9	9.6	5	1.65	237

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SUDBURY ON P3E 5P5

Finalized Date: 28-OCT-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23276801

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
W590947		5.83	22.1	0.08	2.5	0.256	3.84	38.4	25.1	0.31	1115	5.98	0.11	12.4	7.5	1870
W590948		0.09	0.76	<0.05	0.2	0.012	0.10	1.2	1.2	1.21	89	<0.05	0.10	0.9	<0.2	60
D938851		4.42	15.40	0.05	1.3	0.042	1.02	23.8	21.4	2.27	1035	0.35	2.52	5.9	44.0	1130
D938852		1.67	13.00	0.08	0.5	0.031	1.60	29.1	4.2	0.26	409	0.32	3.75	6.8	6.3	760
D938853		1.15	11.05	<0.05	1.7	0.018	1.29	33.7	1.6	0.11	224	0.24	3.68	6.8	1.3	260
D938854		2.26	13.85	0.05	0.8	0.021	1.98	34.9	1.2	0.28	419	0.30	3.55	7.2	2.9	730
D938855		2.34	13.15	0.06	0.6	0.020	2.04	42.8	2.2	0.19	155	0.53	3.62	8.0	1.6	610
D938856		1.29	9.30	0.05	0.9	0.014	2.48	22.0	2.1	0.04	61	0.28	3.02	10.5	0.7	200
D938857		2.29	12.60	0.05	0.8	0.034	1.75	27.0	3.2	0.64	459	0.31	3.30	8.0	10.1	720
D938858		5.44	17.05	0.07	1.3	0.067	2.03	26.2	20.1	2.15	1045	0.44	2.38	6.8	26.2	1400
D938859		0.61	11.80	<0.05	1.7	0.014	4.09	32.5	1.6	0.07	79	310	2.47	10.8	0.3	80
D938860		0.97	12.65	<0.05	1.6	0.007	4.03	24.8	2.5	0.07	96	1130	2.72	10.2	0.6	80
D938861		0.53	10.75	<0.05	1.8	0.015	3.18	17.9	2.0	0.10	33	36.5	2.07	7.8	1.4	40
D938862		0.38	9.88	<0.05	2.1	0.010	3.43	19.4	0.5	0.04	17	4.36	2.99	6.2	0.6	30
D938863		0.24	2.62	<0.05	0.2	<0.005	0.45	4.1	1.3	0.02	173	0.51	0.72	1.2	0.5	10
D938864		0.71	9.88	0.06	1.3	0.008	3.38	29.4	2.9	0.07	74	78.1	2.21	10.9	0.4	60
D938865		1.96	14.55	0.06	1.7	0.014	2.75	37.7	7.4	0.45	285	1.08	3.25	11.7	2.0	620
D938866		1.87	2.02	<0.05	<0.1	0.020	0.02	2.8	2.9	0.02	57	128.0	0.04	0.4	0.9	70
D938867		3.83	14.05	0.05	0.4	0.163	0.52	24.8	5.5	0.29	521	11.95	0.66	3.6	0.9	470
D938868		1.12	14.40	0.07	0.9	0.007	3.34	36.1	3.8	0.28	187	1.62	2.72	11.0	4.0	300
D938869		4.40	18.10	0.07	0.8	0.039	1.29	18.6	24.9	2.25	820	3.57	2.50	9.3	14.0	1170
D938870		4.27	17.40	0.09	0.9	0.031	3.60	22.6	16.2	1.05	542	41.3	2.49	8.1	4.1	530
D938871		5.75	16.70	0.09	0.9	0.051	1.11	16.7	12.0	1.60	684	5.79	1.98	7.3	3.6	810
D938872		5.87	3.71	0.08	2.4	0.025	0.53	30.0	1.7	0.15	43	137.0	0.37	1.6	40.6	50
D938873		7.11	21.1	0.10	0.8	0.034	1.22	13.0	19.9	2.28	911	25.1	2.19	12.8	12.3	1050
D938874		5.06	18.85	0.08	0.8	0.031	1.46	28.0	23.0	1.67	761	2.11	2.65	8.8	6.9	960
D938875		4.66	20.7	0.11	0.7	0.025	1.94	36.4	11.3	1.08	543	21.0	3.80	12.8	0.4	1860
D938876		4.13	15.25	0.08	0.8	0.044	1.04	20.6	14.3	1.47	602	541	2.19	7.1	5.6	810
D938877		1.73	5.03	<0.05	0.5	<0.005	0.22	14.4	5.0	0.31	206	23.0	2.05	2.4	1.0	160
D938878		2.52	9.59	0.06	1.8	0.031	1.93	26.2	2.5	0.13	77	303	1.61	6.6	5.7	30
D938879		2.23	15.85	0.09	0.6	0.018	2.31	62.7	13.6	0.97	347	55.8	2.34	9.1	4.2	420
D938880		2.52	2.94	<0.05	0.1	0.013	0.28	4.2	3.5	0.23	81	1385	0.33	2.2	5.9	230
D938881		3.93	16.00	0.11	0.6	0.013	1.21	25.0	10.0	0.89	399	28.1	2.71	9.5	2.3	1480
D938882		4.25	10.60	0.06	0.4	0.040	0.95	15.8	9.1	0.62	364	15.05	1.66	4.2	8.9	580
D938883		1.59	1.55	<0.05	<0.1	0.013	0.08	1.6	11.2	0.16	141	5270	0.02	0.5	3.1	100
D938884		1.26	13.05	0.08	1.4	0.007	3.44	47.9	7.1	0.31	199	13.70	2.20	8.9	2.6	300
D938885		0.58	13.40	0.07	1.8	0.014	4.77	32.8	1.7	0.11	67	14.80	2.16	12.7	0.8	50
D938886		0.53	0.37	<0.05	<0.1	0.005	0.04	0.6	0.6	0.03	58	421	0.01	0.1	3.6	20
D938887		1.43	16.35	0.08	2.1	0.006	4.81	7.4	7.2	0.21	95	1015	2.88	13.8	1.8	360
D938888		1.68	19.25	0.09	2.2	0.005	4.43	27.9	7.1	0.20	107	747	3.02	13.9	1.9	1670

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
W590947		4190	182.5	0.004	0.65	72.7	14.8	4	22.9	407	0.78	0.35	7.45	0.499	2.17	3.9
W590948		3.6	3.2	<0.002	0.01	0.10	0.2	1	0.2	81.7	0.14	<0.05	0.26	<0.005	0.03	0.5
D938851		9.6	42.2	<0.002	0.04	0.62	16.0	1	1.2	593	0.42	<0.05	7.14	0.429	0.31	1.9
D938852		8.7	49.2	<0.002	0.03	0.62	3.8	1	0.9	552	0.70	<0.05	8.54	0.269	0.45	1.5
D938853		10.5	43.0	<0.002	0.05	0.47	2.2	1	0.7	282	0.78	<0.05	20.4	0.117	0.27	3.8
D938854		22.4	62.1	<0.002	0.30	0.83	2.6	1	0.8	314	0.49	<0.05	11.25	0.228	0.43	3.1
D938855		37.1	73.1	<0.002	0.99	0.84	4.1	1	1.0	301	0.60	0.09	13.80	0.246	0.41	1.4
D938856		37.7	48.6	<0.002	0.60	0.85	1.5	1	0.3	211	0.88	0.13	20.5	0.089	0.39	2.1
D938857		27.7	54.2	<0.002	0.35	0.73	6.1	1	0.8	513	0.61	0.05	11.20	0.252	0.42	2.1
D938858		22.5	64.6	<0.002	0.56	2.38	18.8	1	1.0	490	0.48	<0.05	7.81	0.588	0.44	2.2
D938859		35.0	127.5	0.021	0.05	0.14	1.9	1	0.3	129.0	1.22	<0.05	26.2	0.080	0.71	9.2
D938860		33.8	131.5	0.314	0.25	0.08	1.7	1	0.3	110.5	1.13	<0.05	25.4	0.069	0.74	19.1
D938861		135.5	99.3	<0.002	0.03	0.51	1.3	<1	0.4	74.0	1.14	<0.05	25.8	0.041	0.64	5.3
D938862		37.2	101.5	<0.002	0.02	0.29	1.4	<1	0.2	69.7	0.81	<0.05	9.04	0.024	0.64	2.2
D938863		5.9	14.4	<0.002	0.01	0.08	0.3	1	<0.2	23.0	0.11	<0.05	4.51	0.016	0.09	0.7
D938864		20.4	92.7	0.016	0.14	0.13	1.6	1	0.2	116.5	1.05	<0.05	28.2	0.076	0.51	7.2
D938865		10.5	77.2	<0.002	0.03	0.20	4.0	1	0.9	371	0.86	0.20	17.30	0.241	0.43	3.5
D938866		1.6	1.2	0.022	0.53	0.11	1.5	1	0.2	101.5	<0.05	<0.05	0.59	0.019	<0.02	0.3
D938867		6.4	27.9	0.004	0.33	0.56	10.7	1	1.7	797	0.19	<0.05	4.37	0.188	0.21	2.1
D938868		24.3	99.3	<0.002	0.07	1.13	2.2	<1	0.9	159.5	0.96	0.22	24.6	0.117	0.60	4.7
D938869		9.6	58.9	<0.002	0.09	0.83	19.1	3	1.5	535	0.48	<0.05	6.33	0.475	0.50	1.5
D938870		15.3	143.0	0.008	0.44	0.27	10.8	<1	1.2	490	0.55	0.05	12.20	0.411	0.85	1.9
D938871		6.3	79.8	<0.002	0.62	0.25	15.3	<1	1.6	580	0.54	0.23	6.17	0.501	0.48	2.8
D938872		53.0	22.4	0.018	4.87	0.54	1.7	4	<0.2	12.6	0.13	0.23	43.7	0.034	0.13	3.7
D938873		6.7	64.7	0.006	1.46	0.16	20.6	2	1.9	635	0.56	0.10	4.43	0.554	0.54	1.4
D938874		8.2	89.1	<0.002	0.95	0.33	15.1	2	1.5	531	0.42	0.25	9.95	0.459	0.62	1.4
D938875		8.3	90.3	0.002	1.84	0.34	9.1	3	2.5	677	0.59	0.35	8.91	0.598	0.58	2.8
D938876		6.6	54.7	0.077	0.36	0.34	12.8	<1	1.6	501	0.40	0.09	7.19	0.382	0.35	2.3
D938877		2.2	12.4	0.006	0.72	0.16	1.9	<1	0.3	91.1	0.28	0.16	20.3	0.051	0.07	2.0
D938878		8.6	89.5	0.034	0.34	0.15	2.0	<1	0.2	140.5	0.94	0.08	27.1	0.069	0.44	11.4
D938879		8.9	94.6	0.008	0.33	0.14	7.5	<1	0.9	406	0.59	0.08	21.5	0.259	0.60	2.3
D938880		3.3	14.0	0.224	0.90	0.10	2.1	<1	0.2	51.9	0.16	0.60	1.84	0.060	0.10	0.9
D938881		6.9	58.6	0.004	1.98	0.22	9.5	<1	2.6	491	0.53	0.53	7.52	0.428	0.36	2.8
D938882		13.8	49.0	<0.002	1.45	0.29	4.6	<1	1.1	255	0.20	0.17	5.35	0.213	0.26	1.2
D938883		12.8	5.3	0.444	0.78	0.59	0.4	<1	<0.2	14.8	<0.05	0.62	0.27	0.014	0.14	0.5
D938884		17.7	95.0	<0.002	0.03	<0.05	2.9	<1	0.7	253	0.99	<0.05	28.6	0.152	0.49	3.9
D938885		26.5	127.5	0.002	0.04	0.29	2.1	<1	0.8	177.5	1.32	0.15	30.7	0.077	0.69	5.8
D938886		2.4	2.2	0.014	0.03	0.21	0.2	<1	<0.2	1.7	<0.05	0.18	0.22	0.006	0.02	0.5
D938887		20.7	131.5	0.155	0.53	0.11	2.9	1	1.3	372	0.91	<0.05	33.0	0.131	0.69	7.6
D938888		25.3	113.5	0.116	0.68	0.22	3.1	<1	1.4	361	1.10	0.05	32.9	0.132	0.90	9.3

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 28-OCT-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23276801

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
W590947		152	3.7	21.3	2600	68.9
W590948		1	1.4	2.9	5	3.8
D938851		138	0.6	13.8	82	51.2
D938852		44	1.1	5.8	28	17.3
D938853		18	0.5	5.3	19	57.6
D938854		35	1.2	5.9	26	29.1
D938855		40	8.3	4.6	17	19.4
D938856		7	2.8	3.9	7	24.3
D938857		50	1.2	6.7	38	29.0
D938858		174	3.3	11.3	82	36.1
D938859		4	0.5	6.7	14	48.2
D938860		5	0.5	7.2	6	41.0
D938861		5	2.6	4.2	70	46.6
D938862		1	0.5	3.0	13	50.6
D938863		2	0.1	1.4	4	4.8
D938864		4	0.8	7.7	5	38.1
D938865		34	0.4	13.8	17	53.1
D938866		18	6.0	1.2	2	0.6
D938867		108	162.5	11.4	14	9.1
D938868		17	1.1	9.1	25	29.1
D938869		124	1.1	12.8	76	16.6
D938870		187	1.4	8.5	52	23.3
D938871		261	31.2	12.3	56	19.8
D938872		10	0.4	1.9	12	64.0
D938873		194	1.5	11.4	84	18.2
D938874		151	43.7	11.5	69	27.9
D938875		74	2.2	21.6	39	13.5
D938876		128	27.1	10.7	57	15.1
D938877		14	10.2	3.6	9	14.2
D938878		12	1.3	8.6	12	53.5
D938879		57	1.6	7.7	32	17.2
D938880		23	47.9	3.0	8	3.2
D938881		67	1.7	19.0	35	11.4
D938882		58	1.3	5.3	31	15.6
D938883		14	0.8	1.6	6	0.7
D938884		30	0.2	10.1	19	36.9
D938885		6	0.8	11.2	8	49.2
D938886		5	1.4	0.1	2	0.6
D938887		21	0.4	12.4	9	65.2
D938888		18	0.5	32.1	10	66.3

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 28-OCT-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23276801

Sample Description	Method	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D938889		1.31	2.91	1.22	1.96	0.3	70	0.52	0.10	0.12	0.05	9.09	2.9	10	1.16	27.4
D938890		1.38	0.006	1.59	7.73	1.0	1490	1.69	14.60	2.32	0.10	59.8	11.2	31	2.70	164.0
D938891		1.32	0.003	0.40	6.65	1.4	830	2.09	0.32	0.97	<0.02	68.9	5.4	11	1.18	125.0
D938892		1.49	0.004	0.86	7.19	104.5	320	4.35	0.10	0.76	0.05	56.1	2.7	4	0.64	173.5
D938893		1.72	<0.001	0.04	7.02	0.8	1500	2.22	0.05	1.04	<0.02	75.7	2.0	5	1.83	30.9
D938894		2.76	0.001	0.09	6.95	<0.2	1410	2.17	0.12	1.00	<0.02	67.2	1.4	4	1.58	24.6
D938895		1.61	0.004	0.23	6.70	7.9	1400	2.16	0.11	0.86	<0.02	71.1	2.9	5	1.37	64.4
D938896		0.79	0.210	0.88	5.39	14.6	890	0.92	0.12	0.22	0.22	52.0	2.1	7	0.92	6.9
D938897		1.24	0.172	5.27	4.62	46.9	420	0.57	2.59	0.20	1.39	31.2	4.5	7	1.15	4.6
D938898		3.93	<0.001	0.34	6.48	6.0	3260	1.11	2.05	0.87	0.03	80.0	2.9	8	0.64	6.3
D938899		0.26	1.350	34.7	8.19	551	1310	1.92	1.32	0.31	34.5	80.4	6.3	19	3.74	145.5
D938900		1.56	<0.001	0.02	0.17	0.4	20	0.14	0.02	32.8	0.02	1.29	0.9	1	<0.05	2.2
I357478		1.71	0.001	0.15	0.20	0.8	30	0.05	0.31	0.04	<0.02	3.03	3.1	11	0.14	5.4
I357479		0.74	<0.001	0.22	2.76	1.1	210	0.65	0.03	4.23	1.89	17.35	10.9	21	2.42	2.7
E813138		0.84	0.002	0.83	6.88	37.0	880	1.73	0.82	4.67	1.16	29.9	6.6	11	2.49	21.9
E813139		0.76	0.001	0.33	5.15	6.6	990	1.44	0.29	0.63	0.13	35.7	3.0	11	0.96	24.9
E813140		0.94	0.001	0.39	7.34	34.0	1550	1.38	0.43	0.85	0.14	64.9	2.0	7	0.93	15.6
E813141		0.48	<0.001	0.32	8.83	18.3	2940	2.50	0.28	0.82	0.07	61.2	3.7	10	2.41	38.9
E813142		1.48	0.034	0.60	6.24	10.2	1050	0.91	0.18	2.38	0.96	49.2	5.1	7	1.43	19.0
E813143		1.09	0.030	0.90	7.58	52.1	770	1.08	0.69	0.40	0.15	49.6	4.7	6	1.40	4.7
E813144		1.15	<0.001	1.85	8.63	4.3	1440	1.80	0.06	4.52	0.18	49.7	26.0	160	4.29	19.6
E813145		1.92	0.005	0.50	0.57	1.2	190	0.08	1.44	0.09	0.02	1.72	2.7	23	0.39	31.3
E813146		1.61	0.004	1.12	0.59	17.0	120	0.10	6.85	0.07	<0.02	5.42	9.7	20	0.53	77.7
E813147		1.81	<0.001	0.21	8.53	0.8	1360	1.21	2.46	4.93	0.12	55.2	15.2	8	0.89	17.2
E813148		2.11	<0.001	0.65	8.57	2.0	1160	1.39	5.13	3.94	0.99	44.8	19.2	20	1.50	24.0
E813149		1.50	<0.001	0.04	8.17	0.6	2040	1.08	0.53	3.03	0.07	56.6	9.5	30	1.38	15.2
E813150		0.99	<0.001	0.01	6.51	0.4	3810	0.57	0.04	0.58	0.02	67.7	0.7	7	0.95	1.9
B700331		0.13	1.620	32.2	7.66	146.0	80	0.58	10.15	6.07	37.2	31.9	102.5	139	1.90	7160
B700332		1.63	<0.001	0.02	0.10	<0.2	20	0.09	0.02	33.3	0.03	1.27	1.0	1	<0.05	5.4
E812101		1.19	0.014	3.02	3.13	4.7	600	0.54	4.05	3.78	3.23	22.3	2.6	13	1.36	7.5
E812102		0.90	0.004	1.19	3.23	0.4	400	0.47	2.02	2.07	0.32	15.00	8.5	48	0.96	18.0
E812103		0.91	0.001	0.96	5.89	14.4	590	0.93	3.77	4.41	0.43	88.7	39.7	10	0.69	116.5
E812104		0.78	<0.001	0.15	8.09	0.2	2160	1.38	0.75	2.42	0.07	66.9	6.4	9	2.16	21.5
E812105		1.36	0.019	1.41	5.38	1.1	160	0.67	2.53	2.10	0.10	39.6	54.9	22	5.63	492
E812106		1.17	0.005	1.05	5.47	0.6	600	0.69	1.64	2.00	0.18	32.0	7.6	17	1.09	382
E812107		0.67	<0.001	0.11	8.63	23.7	1510	1.80	0.13	2.85	0.64	63.0	15.0	65	2.01	5.2
E812108		0.66	<0.001	0.11	7.76	4.9	1190	1.37	0.14	5.77	0.49	51.2	13.2	151	5.03	3.1
E812109		0.66	<0.001	0.15	6.48	2.3	1780	1.11	0.14	1.62	0.14	62.5	2.8	6	1.65	3.4

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To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 28-OCT-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23276801

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
D938889		1.11	5.74	<0.05	0.1	0.011	0.67	2.8	77.2	0.32	92	4.96	0.24	1.2	<0.2	490
D938890		3.28	18.65	0.10	2.3	0.030	2.64	29.2	11.8	1.08	423	4.21	2.84	12.1	16.5	850
D938891		1.33	13.80	0.07	2.1	0.041	3.29	37.8	5.2	0.20	181	>10000	2.68	13.8	1.0	240
D938892		1.06	17.80	0.08	2.4	0.007	2.16	28.1	2.4	0.02	64	3.81	3.94	54.6	0.6	30
D938893		1.55	15.90	0.11	2.2	0.011	3.66	42.5	13.4	0.22	300	1775	2.62	15.0	0.6	260
D938894		1.30	15.50	0.09	2.1	0.008	3.75	37.1	7.0	0.21	145	1650	2.62	13.6	0.5	250
D938895		1.47	14.30	0.09	2.0	0.008	3.47	39.5	5.8	0.20	177	728	2.55	14.8	0.7	260
D938896		1.27	10.55	0.05	0.5	0.010	2.49	32.1	3.6	0.17	147	5.26	1.46	6.2	1.5	310
D938897		1.93	6.53	0.05	0.8	0.007	0.94	18.6	1.1	0.08	192	2.76	2.32	6.0	9.1	250
D938898		1.08	12.15	0.07	0.6	0.020	3.18	51.4	2.7	0.17	101	5.15	2.67	5.4	0.9	200
D938899		5.72	23.8	0.17	2.5	0.253	3.77	39.7	24.7	0.30	1090	6.53	0.11	12.8	7.7	1850
D938900		0.09	0.55	<0.05	0.1	<0.005	0.05	1.3	1.1	1.06	86	0.98	0.08	0.4	<0.2	60
I357478		0.91	0.51	<0.05	<0.1	<0.005	0.07	1.8	1.1	0.01	18	3.83	0.06	0.9	2.1	10
I357479		3.34	5.58	0.07	0.7	0.053	0.88	8.8	6.0	0.28	1080	2.01	0.61	2.6	13.7	390
E813138		3.21	18.10	0.10	1.2	0.040	2.57	14.1	4.2	0.65	1095	118.0	2.49	9.0	6.3	740
E813139		0.96	9.42	0.06	0.7	0.007	2.32	23.0	1.7	0.09	116	3.90	2.11	4.8	2.6	150
E813140		1.12	13.00	0.09	0.5	0.013	3.37	38.1	1.3	0.12	189	1.23	3.09	6.6	1.0	300
E813141		2.10	19.10	0.09	0.5	0.027	3.06	34.7	6.6	0.42	195	0.46	3.06	13.1	1.4	690
E813142		2.26	11.25	0.07	0.6	0.015	1.34	28.9	1.8	0.63	525	0.47	3.17	5.8	4.3	500
E813143		2.34	12.90	0.07	0.7	0.015	1.47	29.1	0.8	0.15	137	1.28	4.02	6.8	1.5	550
E813144		5.38	15.95	0.11	1.4	0.059	2.72	24.1	16.9	3.04	1135	0.15	1.96	10.2	93.0	1800
E813145		1.10	1.74	<0.05	0.1	0.014	0.22	1.0	2.2	0.04	36	2.90	0.11	0.6	2.2	60
E813146		1.35	2.10	<0.05	0.1	0.102	0.14	2.9	8.7	0.16	208	2210	0.02	0.3	6.0	50
E813147		6.81	21.4	0.13	0.8	0.091	1.31	22.7	9.8	2.23	1260	7.08	2.75	9.6	4.1	1870
E813148		4.95	17.70	0.09	1.1	0.060	1.54	20.2	18.1	2.02	791	7.59	3.03	8.9	18.5	1630
E813149		3.01	15.80	0.09	1.0	0.028	2.92	30.0	7.1	1.33	506	0.97	2.46	8.6	2.7	770
E813150		0.55	10.05	0.08	0.3	0.006	3.12	43.4	1.4	0.06	58	0.96	2.47	1.2	0.4	40
B700331		10.00	12.25	0.16	0.8	2.71	1.08	17.2	9.6	2.32	932	60.4	0.88	3.0	392	710
B700332		0.10	0.29	<0.05	0.1	0.010	0.02	1.3	0.9	1.60	96	0.24	0.05	0.2	<0.2	70
E812101		2.28	5.26	0.05	0.3	0.017	1.11	12.7	2.4	1.23	710	0.56	0.86	3.2	9.0	360
E812102		2.57	7.51	0.05	0.2	0.022	0.68	7.3	16.2	1.02	462	1.12	0.85	1.9	16.4	460
E812103		10.40	18.00	0.17	1.1	0.178	0.72	37.0	25.5	3.21	1715	86.4	1.33	22.6	15.1	3200
E812104		2.10	15.75	0.10	0.4	0.019	1.79	41.2	8.4	0.66	281	0.64	2.90	5.9	2.3	680
E812105		7.85	12.25	0.10	0.3	0.066	1.22	19.6	18.7	1.58	505	36.3	1.39	6.4	33.9	1340
E812106		3.70	11.80	0.07	0.4	0.038	0.68	15.9	12.4	1.23	371	111.5	1.60	7.4	13.8	1180
E812107		4.63	20.0	0.10	0.8	0.056	2.56	31.3	10.1	1.61	1165	0.92	2.18	10.7	28.5	1500
E812108		5.33	16.75	0.11	1.1	0.076	3.08	26.7	3.3	2.66	1350	0.42	1.76	8.7	76.0	1600
E812109		1.34	11.20	0.09	0.6	0.012	2.62	36.8	1.9	0.14	354	0.28	3.02	5.4	5.0	280

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SUDBURY ON P3E 5P5

Finalized Date: 28-OCT-2023
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CERTIFICATE OF ANALYSIS WH23276801

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
D938889		2.3	51.9	<0.002	0.08	1.16	3.7	1	0.2	21.3	0.07	0.69	1.02	0.114	0.24	0.5
D938890		16.3	101.0	<0.002	0.37	0.30	9.8	1	1.7	447	1.01	1.03	14.10	0.315	0.65	4.6
D938891		24.7	114.5	3.54	2.01	0.12	2.6	2	1.0	214	1.43	0.25	26.7	0.132	0.65	4.4
D938892		22.5	69.9	<0.002	0.21	0.35	1.9	1	0.3	115.0	7.11	<0.05	53.2	0.069	0.38	34.0
D938893		27.4	170.0	0.243	0.15	<0.05	3.1	<1	1.5	230	1.50	<0.05	29.8	0.147	0.95	3.9
D938894		24.4	153.0	0.216	0.13	0.06	2.8	<1	1.2	218	1.37	0.06	26.7	0.137	0.80	3.3
D938895		26.2	143.5	0.105	0.15	0.11	2.7	<1	1.2	206	1.51	<0.05	26.6	0.136	0.74	4.8
D938896		113.0	72.6	<0.002	0.10	2.33	1.6	<1	0.8	104.5	0.50	<0.05	15.25	0.102	0.45	2.2
D938897		384	32.9	<0.002	0.16	1.29	1.5	<1	0.3	112.0	0.41	0.15	19.75	0.071	0.22	1.6
D938898		19.9	56.0	<0.002	0.10	0.14	1.5	<1	0.5	297	0.43	0.66	25.7	0.116	0.31	2.4
D938899		4130	186.0	0.004	0.63	71.9	15.0	2	22.1	401	0.81	0.38	7.84	0.476	2.07	3.8
D938900		3.2	1.5	<0.002	0.01	0.06	0.2	<1	0.2	82.7	<0.05	<0.05	0.19	0.005	<0.02	0.2
I357478		8.4	3.8	<0.002	0.48	0.11	0.1	<1	<0.2	3.6	0.06	<0.05	0.44	0.012	0.03	0.3
I357479		10.2	45.1	<0.002	0.01	2.19	6.7	<1	0.5	34.9	0.22	<0.05	5.83	0.138	0.27	2.7
E813138		27.9	80.7	0.011	0.36	1.42	11.2	1	1.6	346	0.89	0.09	6.70	0.340	0.52	4.0
E813139		9.7	66.4	<0.002	0.33	0.60	1.3	<1	0.4	144.5	0.72	<0.05	14.80	0.073	0.32	7.9
E813140		17.3	67.6	<0.002	0.25	0.44	2.4	<1	0.4	204	0.54	<0.05	22.9	0.111	0.38	6.6
E813141		11.3	95.5	<0.002	0.23	0.51	3.4	<1	1.4	386	1.50	<0.05	13.05	0.193	0.52	3.7
E813142		21.0	43.1	<0.002	0.27	0.64	2.3	<1	0.5	408	0.51	<0.05	11.90	0.147	0.24	1.9
E813143		19.8	56.2	<0.002	1.57	0.67	3.1	<1	0.7	269	0.81	<0.05	12.30	0.149	0.27	4.2
E813144		19.0	120.5	<0.002	0.21	2.41	17.9	<1	1.0	542	0.56	<0.05	4.32	0.571	0.70	1.1
E813145		2.6	9.7	<0.002	0.23	0.05	0.6	<1	0.3	20.8	<0.05	0.45	0.30	0.025	0.06	0.3
E813146		15.7	6.2	0.306	0.14	0.19	0.7	<1	4.6	8.3	<0.05	0.71	0.59	0.024	0.09	1.3
E813147		9.2	25.5	0.002	0.42	0.21	23.8	<1	1.6	980	0.40	0.57	1.72	0.666	0.23	0.7
E813148		33.0	35.5	0.004	1.11	0.21	15.0	<1	2.3	743	0.48	0.92	4.54	0.579	0.30	1.9
E813149		13.8	68.0	<0.002	0.20	0.11	10.0	<1	0.9	544	0.69	0.10	14.35	0.353	0.40	2.0
E813150		14.2	53.9	<0.002	<0.01	0.09	0.3	<1	<0.2	222	0.10	<0.05	24.8	0.049	0.31	1.3
B700331		8860	48.5	0.020	6.48	32.4	13.4	14	7.2	160.0	0.22	0.80	3.57	0.210	2.48	6.2
B700332		4.8	0.4	<0.002	0.01	<0.05	0.2	<1	<0.2	88.3	<0.05	<0.05	0.16	0.005	<0.02	0.2
E812101		488	41.5	<0.002	0.02	0.85	2.3	<1	0.3	401	0.15	0.07	6.71	0.065	0.23	0.8
E812102		33.7	25.9	<0.002	0.78	0.17	6.1	<1	0.4	131.0	0.10	0.28	1.50	0.121	0.13	0.5
E812103		11.9	25.7	0.011	1.12	0.67	33.7	<1	18.8	449	0.88	0.70	5.00	1.150	0.30	2.9
E812104		12.4	42.6	<0.002	0.27	0.12	4.7	<1	0.7	674	0.32	0.14	11.15	0.261	0.27	1.4
E812105		7.0	74.9	0.048	4.08	0.19	9.5	2	1.2	592	0.31	0.24	2.49	0.437	0.56	1.4
E812106		4.4	28.7	0.017	0.66	0.26	8.3	<1	1.0	521	0.41	0.16	2.93	0.420	0.22	1.7
E812107		12.1	88.8	<0.002	0.01	0.86	16.0	<1	1.3	412	0.65	<0.05	9.89	0.430	0.56	2.7
E812108		7.9	131.5	<0.002	0.04	1.27	17.9	<1	1.0	522	0.47	<0.05	5.64	0.493	0.73	1.4
E812109		11.8	64.8	<0.002	0.06	0.52	1.7	<1	0.5	259	0.60	<0.05	19.45	0.114	0.42	1.8

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 28-OCT-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23276801

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
D938889		53	0.6	2.6	10	2.9
D938890		72	0.8	18.9	29	92.3
D938891		21	2.3	13.0	11	63.1
D938892		3	1.7	37.3	5	55.7
D938893		16	0.3	9.7	16	69.3
D938894		15	0.3	14.4	8	66.3
D938895		11	0.2	12.4	10	61.4
D938896		15	3.6	4.1	32	16.4
D938897		10	1.6	3.4	70	21.8
D938898		15	1.1	4.1	9	17.2
D938899		152	3.8	20.1	2600	69.9
D938900		1	<0.1	2.1	4	1.8
I357478		2	0.4	0.5	2	0.5
I357479		44	2.1	11.1	83	22.7
E813138		98	8.6	8.8	59	35.0
E813139		12	1.2	2.7	11	17.2
E813140		13	1.1	6.6	13	17.2
E813141		43	2.4	9.8	20	18.5
E813142		24	2.7	6.3	38	22.1
E813143		24	3.5	4.2	10	23.6
E813144		154	1.1	14.7	107	56.0
E813145		14	4.4	0.5	2	1.2
E813146		18	190.0	0.8	84	2.0
E813147		212	25.6	25.9	93	19.6
E813148		148	90.9	19.1	176	30.6
E813149		99	0.5	17.0	46	34.4
E813150		9	0.4	1.7	8	8.4
B700331		407	5.8	14.8	8300	27.2
B700332		1	0.2	2.4	10	2.0
E812101		23	2.0	5.7	102	9.8
E812102		58	8.4	4.8	40	6.5
E812103		288	173.5	44.3	195	26.9
E812104		50	15.4	9.0	32	16.3
E812105		126	2990	13.4	67	4.5
E812106		106	390	13.5	44	3.9
E812107		134	6.4	12.6	101	26.1
E812108		143	2.7	13.8	100	48.3
E812109		16	1.1	6.2	18	19.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 28-OCT-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23276801

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-ICP21	ME-MS61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 26-NOV-2023
Account: TRAMET

CERTIFICATE WH23324827

Project: Pike Warden

This report is for 1 sample of Pulp submitted to our lab in Whitehorse, YT, Canada on 22-SEP-2023.

The following have access to data associated with this certificate:

GREG COLLINS BEN WILLIAMS	THOMAS HART	SARAH REESE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Mo-OG62	Ore Grade Mo - Four Acid	

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:
Saa Traxler, Director, North Vancouver Operations

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 26-NOV-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23324827

Sample Description	Method Analyte Units LOD	Mo-OG62 Mo % 0.001
D938891		2.37

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Finalized Date: 26-NOV-2023
Account: TRAMET

Project: Pike Warden

CERTIFICATE OF ANALYSIS WH23324827

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	FND-02	ME-OG62	Mo-OG62

Appendix E

Expenditures

2023 STATEMENT OF EXPENDITURES

TRANSITION METALS CORP
Geological Services

Labour - $7,700

Job Title	Amount	Unit	Time Period	Rate	Total
Field Geologist	22	day	July, September	$ 350.00	$ 7,700.00

Camp, Lodging & Misc - $434.49

Item	Amount	Unit	Description	Rate	Total
Meals	-	-	as per receipts	-	$ 434.49

Transportation - $5,552.74

Item	Amount	Unit	Description	Rate	Total
Crew airfare	4	flight	To/from YYZ/YXY for July, 2 geos	-	$ 3,168.50
Crew airfare	2	flight	To/from YYZ/YXY for September, 1 geo	-	$ 1,775.26
Airport parking	-	-	as per receipts	-	$ 137.78
Mileage	760	km	Travel from Sudbury office to YYZ	$ 0.62	$ 471.20

Interpretation & Report Writing - $24,500

Item	Amount	Unit	Description	Rate	Total
Data interpretation	30	day	Field Geo.'s time	$ 350.00	$ 10,500.00
Lineament study	25	day	Field Geo.'s time	$ 350.00	$ 8,750.00
Assessment report writing	15	day	Field Geo.'s time	$ 350.00	$ 5,250.00
SUPPLIER TOTAL					**$ 38,187.23**

Supplier: G. COLLINS GEOSCIENCE
Geological Services

Labour - $37,840.80

Item	Amount	Unit	Description	Rate	Total
Geological services	-	-	as per invoices	-	$ 14,375.00
Mileage	560	km	Buckhorn ON to/from YYZ	$ 0.62	$ 347.20
SUPPLIER TOTAL					**$ 14,722.20**

Supplier: ARCHER, CATHRO & ASSOCIATES (1981) LTD.
Geological Services & Logistical Support

Labour - $37,840.80

Job Title	Amount	Unit	Time Period	Rate	Total
Partner	9	hr	June, October	$ 126.00	$ 1,134.00
Partner	87	hr	July, September	$ 100.80	$ 8,769.60
Controller	6.75	hr	June, July, August, October	$ 112.00	$ 756.00
Admin (Junior)	0.5	hr	August	$ 70.00	$ 35.00
Warehouse Manager	12	hr	July	$ 88.80	$ 1,065.60
Geologist (Senior I)	52.5	hr	September	$ 93.60	$ 4,914.00
Geologist (Junior I)	125	hr	July	$ 69.60	$ 8,700.00
Geologist (Junior II)	20	hr	September	$ 80.00	$ 1,600.00
Operations Lead	19.5	hr	July, August	$ 96.80	$ 1,887.60
Geo Tech (Intermediate)	80	hr	July	$ 57.60	$ 4,608.00
Geo Tech (Junior)	80	hr	July	$ 53.60	$ 4,288.00
GIS Specialist	1	hr	September	$ 83.00	$ 83.00

Transportation - $27,965.24

Item	Amount	Unit	Description	Rate	Total
Bell 407	1.5	flight hr	Owned & operated by Capital Helicopters	$ 2,075.00	$ 3,112.50
Bell 206L	11.7	flight hr	Owned & operated by Capital Helicopters	$ 1,445.00	$ 16,906.50
Bell 206B	1.6	flight hr	Owned & operated by Capital Helicopters	$ 1,295.00	$ 2,072.00
Helicopter fuel	829	litre	-	$ 1.85	$ 1,533.65
Helicopter fuel	1050.8	litre	-	$ 2.10	$ 2,206.68
Pickup truck 1	3	day	Truck rental - GMC CC5	$ 154.50	$ 463.50
Pickup truck 2	2	day	Truck rental - Ford Ranger	$ 123.60	$ 247.20
Pickup truck 3	4	day	Truck rental - Chevy RC1	$ 123.60	$ 494.40
Pickup truck 4	1	day	Truck rental - GMC CS4	$ 154.50	$ 154.50
Vehicle mileage	398	km	Rental truck mileage over program	$ 0.65	$ 258.70
Fuel	-	-	Gas & diesel for trucks and camp stove	-	$ 515.61

Camp, Lodging & Misc - $11,987.18						
Item	**Amount**	**Unit**	**Description**	**Rate**		**Total**
Food	-	-	Camp groceries	$ 1,429.02	$	1,429.02
Shipping	-	-	Shipping rep samples to Sudbury	$ 148.27	$	148.27
Internet	6	day	Starlink rental	$ 45.00	$	270.00
Room & board	17	day	Archer Cathro Bunkhouse	$ 100.00	$	1,700.00
Room & board	1	day	Archer Cathro Bunkhouse	$ 180.00	$	180.00
Camp	30	day	Archer Cathro rental (wall tents, bear fence, etc.)	$ 92.40	$	2,772.00
Field gear	4	day	Archer Cathro rental (vests, backpacks, etc.)	$ 41.20	$	164.80
Field gear	13	day	Archer Cathro rental (vests, backpacks, etc.)	$ 50.00	$	650.00
Tablet rental	8	day	Use of mapping tablet in field	$ 20.06	$	160.48
Analytical Standards	7	unit	QA/QC	$ 50.00	$	350.00
Staking fees	-	-	Registration fees, claim posts	$ 420.54	$	420.54
Admin fees	-	-	Archer Cathro admin fees	-	$	3,742.07
			SUPPLIER TOTAL		**$**	**77,793.22**

Supplier: PIONEER EXPLORATION CONSULTANTS LTD. Remote Sensing Services: LiDAR survey + orthophotography collection						
Category	**Amount**	**Unit**	**Description**	**Rate**		**Total**
Mob/Demob fee	1	-	To/from project staging location	$ 3,200.00	$	3,200.00
LiDAR + Orthophoto Survey	1	-	As contracted	$ 34,125.00	$	34,125.00
Orthoimagery Processing	1	-	As contracted	$ 3,000.00	$	3,000.00
Standby Day	1	day	Delay in aircraft maintenace	$ 1,500.00	$	1,500.00
			SUPPLIER TOTAL		**$**	**34,125.00**

Supplier: PHOTOSAT Remote Sensing Services: Satellite-based alteration mineral mapping						
Category	**Amount**	**Unit**	**Description**	**Rate**		**Total**
WorldView-3: Alteration Package	1	-	100 sqkm of up to 13 alteration minerals	$ 23,438.91	$	23,438.91
			SUPPLIER TOTAL		**$**	**23,438.91**

Supplier: ALS CANADA LTD. Analytical Services						
Category	**Amount**	**Unit**	**Description**	**Rate**		**Total**
Soil sample	109	sample	Soil analysis	-	$	6,575.33
Rock sample	194	sample	Rock analysis	-	$	14,479.21
Overlimit re-analysis	1	sample	Overlimit	-	$	63.56
			SUPPLIER TOTAL		**$**	**21,054.54**

			2023 EXPENDITURE TOTAL		**$**	**209,321.10**

G.Collins Geoscience Inc.
2577 Buckhorn Road
RR#1 Lakefield , Ontario
K0L 2H0
(705) 657-7874

INVOICE DATE: December 31, 2023 INVOICE # 0366

Attention: Transition Minerals Corp.
9C – 1351 Kelly Lake Road
Sudbury, Ontario
P3E 5P5

Invoice as per contract for services provided in December 2023.

XTM December 2023				
Project	**Code**	**Charge**	**Mileage**	**HST**
XTM - General and Admin PN-001	5225	$ 6,250.00	$ -	$ 812.50
XTM - PGEN - PN-081	5225	$ 1,250.00	$ -	$ 162.50
Totals		**$ 7,500.00**	**$ -**	**$ 975.00**
Total Payable:		**$ 8,475.00**		

We kindly request that this invoice be paid immediately, with **the cheque payable to G.Collins Geoscience Inc.** sent to the address provided above. Please refer to attached Spreadsheet for daily timesheet breakdown.

Thank You.
HST # 841210263

G.Collins Geoscience Inc.
2577 Buckhorn Road
RR#1 Lakefield , Ontario
K0L 2H0
(705) 657-7874

INVOICE DATE: February 28, 2023 INVOICE # 0348

Attention: Transition Minerals Corp.
9C – 1351 Kelly Lake Road
Sudbury, Ontario
P3E 5P5

Invoice as per contract for services provided in February 2023.

XTM February 2023 Invoice				
Project	**Code**	**Charge**	**Mileage**	**HST**
XTM - General and Admin PN-001	5225	$ 5,625.00	$ -	$ 731.25
XTM - Pike Warden PN-081	5225	$ 1,250.00	$ -	$ 162.50
XTM - Maude Lake PN-064	5225	$ 1,250.00	$ -	$ 162.50
Totals		**$ 8,125.00**	**$ -**	**$ 1,056.25**
Total Payable:		**$ 9,181.25**		

We kindly request that this invoice be paid immediately, with **the cheque payable to G.Collins Geoscience Inc.** sent to the address provided above. Please refer to attached Spreadsheet for daily timesheet breakdown.

Thank You.
HST # 841210263

G.Collins Geoscience Inc.
2577 Buckhorn Road
RR#1 Lakefield , Ontario
K0L 2H0
(705) 657-7874

INVOICE DATE: July 31, 2023 INVOICE # 0358

Attention: Transition Minerals Corp.
9C – 1351 Kelly Lake Road
Sudbury, Ontario
P3E 5P5

Invoice as per contract for services provided in July 2023.

XTM July 2023 Invoice				
Project	**Code**	**Charge**	**Mileage**	**HST**
XTM - General and Admin PN-001	5225	$ 4,375.00	$ -	$ 568.75
XTM - Pike Warden PN-081	6000	$ 7,500.00	$ -	$ 975.00
XTM - Pike Warden PN-081	6140	$ -	$ 136.40	$ 17.73
Totals		**$11,875.00**	**$ 136.40**	**$ 1,561.48**
Total Payable:		**$13,572.88**		

Breakdown of Mileage Expense:

			Mileage				km	x$0.62	
XTM	PN-001		Buckhorn - Pearson Apt Return				220	$	136.40
								$	136.40

We kindly request that this invoice be paid immediately, with **the cheque payable to G.Collins Geoscience Inc.** sent to the address provided above. Please refer to attached Spreadsheet for daily timesheet breakdown.

Thank You.
HST # 841210263

G.Collins Geoscience Inc.
2577 Buckhorn Road
RR#1 Lakefield , Ontario
K0L 2H0
(705) 657-7874

INVOICE DATE: November 30, 2023 INVOICE # 0365

Attention: Transition Minerals Corp.
9C – 1351 Kelly Lake Road
Sudbury, Ontario
P3E 5P5

Invoice as per contract for services provided in November 2023.

XTM November 2023				
Project	**Code**	**Charge**	**Mileage**	**HST**
XTM - General and Admin PN-001	5225	$ 6,250.00	$ -	$ 812.50
XTM - PGEN - PN-060	5225	$ 3,125.00	$ -	$ 406.25
XTM - PGEN - PN-060	5265	$ -	$ 210.80	$ 27.40
XTM - PGEN - PN-081	5225	$ 3,125.00	$ -	$ 406.25
XTM - PGEN - PN-081	5265	$ -	$ 210.80	$ 27.40
Totals		**$12,500.00**	**$ 421.60**	**$ 1,679.81**
Total Payable:		**$14,601.41**		

Breakdown of Mileage Expense:

			Mileage		**km**	**x$0.62**
XTM	PN-060		Buckhorn - Pearson Airport Nov 5-7		340	$ 210.80
XTM	PN-081		Buckhorn - Pearson Airport Nov 19-23		340	$ 210.80
						$ 421.60

We kindly request that this invoice be paid immediately, with **the cheque payable to G.Collins Geoscience Inc.** sent to the address provided above. Please refer to attached Spreadsheet for daily timesheet breakdown.

Thank You.
HST # 841210263

G.Collins Geoscience Inc.
2577 Buckhorn Road
RR#1 Lakefield , Ontario
K0L 2H0
(705) 657-7874

INVOICE DATE: January 31, 2024 INVOICE # 0367

Attention: Transition Minerals Corp.
9C – 1351 Kelly Lake Road
Sudbury, Ontario
P3E 5P5

Invoice as per contract for services provided in January 2024.

XTM January 2024				
Project	**Code**	**Charge**	**Mileage**	**HST**
XTM - General and Admin PN-001	5225	$ 8,750.00	$ -	$ 1,137.50
XTM - General and Admin PN-001	5265	$ -	$ 198.40	$ 25.79
XTM - PGEN - PN-081	5225	$ 1,250.00	$ -	$ 162.50
Totals		**$10,000.00**	**$ 198.40**	**$ 1,325.79**
Total Payable:		**$11,524.19**		

Summary of Mileage Charges:

			Mileage				**km**	**x$0.62**
XTM	PN-01		Buckhorn - Pearson Airport Jan 20-25				320	$ 198.40
								$ 198.40

We kindly request that this invoice be paid immediately, with **the cheque payable to G.Collins Geoscience Inc.** sent to the address provided above. Please refer to attached Spreadsheet for daily timesheet breakdown.

Thank You.
HST # 841210263

PhotoSat

Invoice

Suite 580, 1188 West Georgia Street
Vancouver, British Columbia, V6E 4A2, Canada
Phone: +1 (604) 681 9770 Fax: +1 (206) 309 3357

Invoice #	**4581**
Invoice date	2023-09-01
Payment Terms	45% pre-payment, 45% on receipt of data, 10% net-30 after delivery
Client Purchase Order	
Client Project Name	Pike Warden, Yukon
PhotoSat Contact	Angela Ellithorpe
Prepared by	Admin

Bill To:		**Ship To:**	
Attn:	**Greg Collins, Accounts Receivable**	**Attn:**	**Sarah Reese**
Email:	accounting@transitionmetalscorp.com	Email:	sreese@transitionmetalscorp.com
Company:	**Transition Metals Corp.**	**Company:**	**Transition Metals Corp.**
Address:	9C - 1351 Kelly Lake Road, Sudbury, ON, P3E 5P5, Canada	Address:	9C - 1351 Kelly Lake Road, Sudbury, ON, P3E 5P5, Canada
Phone:	705-669-1777	Phone:	

Item	Product Description	Qty	Unit Price	Extended Price
	WorldView-3 - Alteration Package 100 sqkm of up to 13 alteration deliverables if minerals are present and detectable in the WorldView-3 and ASTER satellite photos: • 2 m Opal/Chalcedony • 2 m Calcite • 2 m Chlorite/Epidote • 2 m Alunite • 2 m Kaolinite • 2 m Montmorillonite • 2 m Sericite • 2 m Buddingtonite • 2 m Hematite • 2 m Goethite • 2 m Jarosite • 2 m Iron Oxide Gossans • 75.0 m All Silica Formats: Orthorectified images (GeoTIFF, pixel size shown above) and outline polygons (ESRI Shapefile) RGB GeoTIFF of areas of possible to probable alteration minerals. Single Band GeoTIFF of areas of possible to probable alteration minerals. ESRI Shapefile outline of the probable areas of alteration minerals. ESRI Shapefile outline of the possible to probable areas of alteration minerals. 4 Context Images: • 2 m Geology enhanced colour image • 2 m Vegetation intensity • 50 cm Greyscale image • 50 cm Natural colour image Format: Orthorectified images (GeoTIFF, pixel size shown above) Alteration Mapping Report: The report summarizes the alteration mineral processing results. This is not a Geological Interpretation nor an Exploration Targeting Report. The report is intended as a resource for qualified mineral exploration geologists.	1	$23,438.91	$23,438.91
Items Total				**$23,438.91**
HST (13%)				$3,047.06

Total (CAD)	**$26,485.97**
45% Payment Due (CAD)	**$11,918.69**

Comments:

This invoice is for the 45% payment after data collection.
A 45% pre-payment has already been received by PhotoSat.
The remaining 10% will be due once the project has been delivered.

Thank You For Your Business!

USD to CAD Conversion Rate: 1.3667

Check Payments: Photosat, Attn: Accounts Receivable, Suite 580, 1188 West Georgia Street, Vancouver, British Columbia V6E 4A2, Canada

For Wire Payments in Canadian dollars: Royal Bank of Canada, 685 West Hastings St, Vancouver, BC, Canada. Transit 06550, Bank 003, Account 1002724 PhotoSat Information Ltd, Routing 021000021, Swift ROYCCAT2

GST Registration Number: 136946464

PhotoSat

Invoice

Suite 580, 1188 West Georgia Street
Vancouver, British Columbia, V6E 4A2, Canada
Phone: +1 (604) 681 9770 Fax: +1 (206) 309 3357

Invoice #	**4581**
Invoice date	2023-05-01
Payment Terms	45% pre-payment, 45% on receipt of data, 10% net-30 after delivery
Client Purchase Order	
Client Project Name	Pike Warden, Yukon
PhotoSat Contact	Angela Ellithorpe
Prepared by	Admin

Bill To:		**Ship To:**	
Attn:	**Greg Collins, Accounts Receivable**	**Attn:**	**Sarah Reese**
Email:	accounting@transitionmetalscorp.com	Email:	sreese@transitionmetalscorp.com
Company:	**Transition Metals Corp.**	**Company:**	**Transition Metals Corp.**
Address:	9C - 1351 Kelly Lake Road, Sudbury, ON, P3E 5P5, Canada	Address:	9C - 1351 Kelly Lake Road, Sudbury, ON, P3E 5P5, Canada
Phone:	705-669-1777	Phone:	

Item	Product Description	Qty	Unit Price	Extended Price
	WorldView-3 - Alteration Package 100 sqkm of up to 13 alteration deliverables if minerals are present and detectable in the WorldView-3 and ASTER satellite photos: • 2 m Opal/Chalcedony • 2 m Calcite • 2 m Chlorite/Epidote • 2 m Alunite • 2 m Kaolinite • 2 m Montmorillonite • 2 m Sericite • 2 m Buddingtonite • 2 m Hematite • 2 m Goethite • 2 m Jarosite • 2 m Iron Oxide Gossans • 75.0 m All Silica Formats: Orthorectified images (GeoTIFF, pixel size shown above) and outline polygons (ESRI Shapefile) RGB GeoTIFF of areas of possible to probable alteration minerals. Single Band GeoTIFF of areas of possible to probable alteration minerals. ESRI Shapefile outline of the probable areas of alteration minerals. ESRI Shapefile outline of the possible to probable areas of alteration minerals. 4 Context Images: • 2 m Geology enhanced colour image • 2 m Vegetation intensity • 50 cm Greyscale image • 50 cm Natural colour image Format: Orthorectified images (GeoTIFF, pixel size shown above) Alteration Mapping Report: The report summarizes the alteration mineral processing results. This is not a Geological Interpretation nor an Exploration Targeting Report. The report is intended as a resource for qualified mineral exploration geologists.	1	$23,438.91	$23,438.91
Items Total				**$23,438.91**
HST (13%)				$3,047.06

Total (CAD)	**$26,485.97**
45% Deposit Due (CAD)	**$11,918.69**

Comments:

This invoice is for the 45% prepayment portion of this project.
An additional 45% will be due once the satellite data has been collected.
The remaining 10% will be due once the project has been delivered.

Thank You For Your Business!

USD to CAD Conversion Rate: 1.3667

Check Payments: Photosat, Attn: Accounts Receivable, Suite 580, 1188 West Georgia Street, Vancouver, British Columbia V6E 4A2, Canada

For Wire Payments in Canadian dollars: Royal Bank of Canada, 685 West Hastings St, Vancouver, BC, Canada. Transit 06550, Bank 003, Account 1002724 PhotoSat Information Ltd, Routing 021000021, Swift ROYCCAT2

GST Registration Number: 136946464

PhotoSat

Invoice

Suite 580, 1188 West Georgia Street
Vancouver, British Columbia, V6E 4A2, Canada
Phone: +1 (604) 681 9770 Fax: +1 (206) 309 3357

Invoice #	**4581**
Invoice date	2023-09-01
Payment Terms	45% pre-payment, 45% on receipt of data, 10% net-30 after delivery
Client Purchase Order	
Client Project Name	Pike Warden, Yukon
PhotoSat Contact	Angela Ellithorpe
Prepared by	Admin

Bill To:		**Ship To:**	
Attn:	**Greg Collins, Accounts Receivable**	**Attn:**	**Sarah Reese**
Email:	accounting@transitionmetalscorp.com	Email:	sreese@transitionmetalscorp.com
Company:	**Transition Metals Corp.**	**Company:**	**Transition Metals Corp.**
Address:	9C - 1351 Kelly Lake Road, Sudbury, ON, P3E 5P5, Canada	Address:	9C - 1351 Kelly Lake Road, Sudbury, ON, P3E 5P5, Canada
Phone:	705-669-1777	Phone:	

Item	Product Description	Qty	Unit Price	Extended Price
	WorldView-3 - Alteration Package 100 sqkm of up to 13 alteration deliverables if minerals are present and detectable in the WorldView-3 and ASTER satellite photos: • 2 m Opal/Chalcedony • 2 m Calcite • 2 m Chlorite/Epidote • 2 m Alunite • 2 m Kaolinite • 2 m Montmorillonite • 2 m Sericite • 2 m Buddingtonite • 2 m Hematite • 2 m Goethite • 2 m Jarosite • 2 m Iron Oxide Gossans • 75.0 m All Silica Formats: Orthorectified images (GeoTIFF, pixel size shown above) and outline polygons (ESRI Shapefile) RGB GeoTIFF of areas of possible to probable alteration minerals. Single Band GeoTIFF of areas of possible to probable alteration minerals. ESRI Shapefile outline of the probable areas of alteration minerals. ESRI Shapefile outline of the possible to probable areas of alteration minerals. 4 Context Images: • 2 m Geology enhanced colour image • 2 m Vegetation intensity • 50 cm Greyscale image • 50 cm Natural colour image Format: Orthorectified images (GeoTIFF, pixel size shown above) Alteration Mapping Report: The report summarizes the alteration mineral processing results. This is not a Geological Interpretation nor an Exploration Targeting Report. The report is intended as a resource for qualified mineral exploration geologists.	1	$23,438.91	$23,438.91
Items Total				**$23,438.91**
HST (13%)				$3,047.06

Total (CAD)	**$26,485.97**
10% Payment Due (CAD)	**$2,648.59**

Comments:

This invoice is for the 10% Net-30 day payment after project delivery.
A 45% pre-payment and 45% installment have already been received by PhotoSat.

Thank You For Your Business!

USD to CAD Conversion Rate: 1.3667

Check Payments: Photosat, Attn: Accounts Receivable, Suite 580, 1188 West Georgia Street, Vancouver, British Columbia V6E 4A2, Canada

For Wire Payments in Canadian dollars: Royal Bank of Canada, 685 West Hastings St, Vancouver, BC, Canada. Transit 06550, Bank 003, Account 1002724 PhotoSat Information Ltd, Routing 021000021, Swift ROYCCAT2

GST Registration Number: 136946464

ARCHER, CATHRO & ASSOCIATES (1981) LTD.
510-1100 Melville St.
Vancouver, B.C.
ARCHER CATHRO V6E 4A6

Invoice

Date	Invoice #
2023-06-30	10232

Bill To

PIKE/WARDEN PROPERTY
Transition Metals Corp.
9C-1351 Kelly Lake Road
Sudbury, ON
P3E 5P5

Billing Period
JUNE 2023

Budget Item	Description	Qty	Rate	Amount
	ARCHER, CATHRO SERVICES & SUPPLIES			
AC-07 Office ...	Level P6 - Partner day rate $1,008.00	6.00	126.00	756.00T
AC-07 Office ...	Level F1 - Controller day rate $896.00	0.50	112.00	56.00T
	MANAGEMENT FEE			
AC-01 Manag...	Administration Fee	812.00	0.05	40.60T
	GST Charged		5.00%	42.63

Payment due upon receipt of invoice. Interest charged at 2% per month on invoices over 30 days.

Subtotal	**CAD 852.60**
GST No. 100247667 **GST Total**	**CAD 42.63**
Total Payable	**CAD 895.23**
Balance Due	**CAD 895.23**

ARCHER, CATHRO & ASSOCIATES (1981) LTD.
510-1100 Melville St.
Vancouver, B.C.
ARCHER CATHRO V6E 4A6

Invoice

Date	Invoice #
2023-07-31	10287

Bill To

PIKE/WARDEN PROPERTY
Transition Metals Corp.
9C-1351 Kelly Lake Road
Sudbury, ON
P3E 5P5

Billing Period
JULY 2023

Budget Item	Description	Qty	Rate	Amount
	NON-ARCHER, CATHRO SERVICES & SUPPLIES			
NA-22 Camp F...	Riverdale Super A - Inv#00000159	1.00	1,429.02	1,429.02T
NA-26 Truck R...	BNS Visa#9629 - Jul 31/23 - Integra Tire - fuel	1.00	23.18	23.18T
NA-25 Shippin...	BNS Visa#9629 - Jul 31/23 - Shoppers, mailing parcel	1.00	143.18	143.18T
	Total Expenses			1,595.38
	ARCHER, CATHRO SERVICES & SUPPLIES			
AC-07 Office ...	Level F1 - Controller day rate $896.00	5.75	112.00	644.00T
AC-05-1 Labour	Level P1 - Geologist (Junior I) day rate $696.00	105.00	69.60	7,308.00T
AC-05-1 Labour	Level P6 - Partner day rate $1,008.00	63.00	100.80	6,350.40T
AC-05-1 Labour	Level W2 - Warehouse Manager day rate $888.00	12.00	88.80	1,065.60T
AC-05-1 Labour	Level OL1 - Operations Lead day rate $968.00	15.00	96.80	1,452.00T
AC-05-1 Labour	Level T2 - Geo Tech (Intermediate) day rate $576.00	80.00	57.60	4,608.00T
AC-05-1 Labour	Level T1 - Geo Tech (Junior) day rate $536.00	80.00	53.60	4,288.00T
	CHARGE OUTS			
AC-16 Car/Va...	GMC CC5 (3 days @ $154.50 per day)	3.00	154.50	463.50T
AC-16 Car/Va...	GMC CC5 Mileage (398 kms @ 0.65 per km)	398.00	0.65	258.70T
AC-16 Car/Va...	Ford Ranger (2 days @ $123.60 per day)	2.00	123.60	247.20T
AC-16 Car/Va...	Chevy Single Cab (1 day @ $123.60 per day)	1.00	123.60	123.60T

Payment due upon receipt of invoice. Interest charged

Subtotal

GST No. 100247667 **GST Total**

Total Payable

Balance Due

ARCHER, CATHRO & ASSOCIATES (1981) LTD.
510-1100 Melville St.
Vancouver, B.C.
ARCHER CATHRO V6E 4A6

Invoice

Date	Invoice #
2023-07-31	10287

Bill To

PIKE/WARDEN PROPERTY
Transition Metals Corp.
9C-1351 Kelly Lake Road
Sudbury, ON
P3E 5P5

Billing Period
JULY 2023

Budget Item	Description	Qty	Rate	Amount
AC-20 AC Mis...	Starlink (6 days @ $45.00 per day)	6.00	45.00	270.00T
AC-10 Camp ...	AC House Only (11 days @ $100.00 per day)	11.00	100.00	1,100.00T
AC-10 Camp ...	Camp Rental (30 days @ $92.40 per day)	30.00	92.40	2,772.00T
AC-10 Camp ...	Field Gear Rental (4 days @ $41.20 per day)	4.00	41.20	164.80T
AC-11 AC Hou...	AC House-Room & Board (1 day @ $180.00 per day)	1.00	180.00	180.00T
	MANAGEMENT FEE			
AC-01 Manag...	Administration Fee	32,891.18	0.05	1,644.56T
	GST Charged		5.00%	1,726.79

Payment due upon receipt of invoice. Interest charged at 2% per month on invoices over 30 days.

Subtotal	**CAD 34,535.74**
GST No. 100247667 **GST Total**	**CAD 1,726.79**
Total Payable	**CAD 36,262.53**
Balance Due	**CAD 36,262.53**

View all

Type :	SALE	**Trs# :**	238
Date :	2023-07-23	**Invoice# :**	00000159
Time :	19:03:15 to 15:46:43	**Term. :**	RIV-003
Cashier :	114 - Mgr.- MATT	**POS comment :**	Show Trs#229
Customer :	10 - **ARCHER CATHRO,**		

Pike Warden

Code	Ref	Description	Vnd	Amount	Wght	Qty	Flag
0006120000054		CARAMILK		$62.25		25.00	G
0003746601889		70% COCOA 100 GR		$12.58		2.00	G
0006900015996		RASPBERRY SPARKLING WATER 12 EA		$26.97		3.00	G
Exc: 39		Deposit : $1.80					
Exc: 40		Environment fee : $1.80					
0006840066260		HLMN LT MAYO		$8.99		1.00	
0005700033618		BASIL PESTO 218 ML		$11.38		2.00	
0006591258103		REALEMON LEM		$3.49		1.00	
0005910000843		WHOLE GRAIN BROWN RICE 600 GR		$13.98		2.00	
0005150070017		ADAMS PNT BT		$7.59		1.00	
0005731617961		PURE SASKATOON BERRY JAM 445 ML		$6.99		1.00	
0003904700115		SHORTBREAD BUTTER FINGERS 150 GR		$4.99		1.00	
0005738308114		SESAME OIL		$5.19		1.00	
0005731616812		CG PURE CASHEW BR		$16.99		1.00	
0006020010776		NABOB TRADITION MED ROAST COFFEE 930 GR		$25.99		1.00	
0006882617603		ORGANIC TORTILLA CHIPS 350 GR		$5.99		1.00	G
0005900000423		BICKS DILL PICKLES NO GARLIC 1 LT		$7.99		1.00	
0006672100668		CHIPS AHOY F/S ORIGINAL 460 GR		$7.49		1.00	
0006563346122		GRANOLA OATS 'N HONEY 310 GR		$13.98		2.00	
0072225212149		CLIF BAR		$47.76		2.00	
0004139000056		L/S G/F TAMARI SOY SAUCE 296 ML		$7.99		1.00	
0005620080502		REDHOT SAUCE		$6.99		1.00	
0001410017095		GOLDFISH CHEDDAR CRACKERS 200 GR		$4.89		1.00	

0006672102649	CH CRISP BBQ	$4.49	1.00	G
0005770022815	SOUR PATCH KIDS SUP 355 GR	$6.99	1.00	G
0005731618787	GOLD WALNUTS PIECES 200 GR	$12.04	2.00	
0005731620489	CG OLYMPIC TR MIX	$13.99	1.00	G
0005731617619	C G PKIN SED	$6.52	1.00	
0077098109563	TB BROWNIE	$5.79	1.00	
0007765208249	STASH TEA LEM GING	$16.47	3.00	
0006840044379	TEABAGS	$7.99	1.00	
0005571210014	WEETABIX	$7.89	1.00	
0006780000242	CHICK PEAS	$10.47	3.00	
0006041001097	MILD SALSA 418 ML	$5.79	1.00	
0019056910050	NIBLETS WHOLE KERNEL CORN 341 ML	$2.99	1.00	
0067277411607	BLUE DRAGON CURRY	$7.69	1.00	
0006939100025	MINCED GARLIC	$4.99	1.00	
0073762801150	PREMIUM COCONUT MILK 400 ML	$9.78	2.00	
0077320070222	SF PLAIN HUMMUS GF	$26.94	6.00	
0006041004667	ORIGINAL RECIPE CHIPS 200	$32.45	5.00	G
0006494714100	HAMBURGER BUNS	$4.49	1.00	
0005731620472	TRAD MINI NAAN BREAD 12 PK 408 GR	$11.38	2.00	
0006340013871	14 GRAINS 600 G	$11.58	2.00	
0006288452001	UHT MILK	$11.38	2.00	
Exc: 39	Deposit : $0.10			
Exc: 40	Environment fee : $0.10			
0005589863028	CORN TORTILLAS 283 GR	$6.98	2.00	
0006810089597	CREAM CHEESE ORGINAL 227 GR	$7.49	1.00	
0006870010046	TABLE CREAM 18% 473	$6.78	2.00	
Exc: 39	Deposit : $0.10			
Exc: 40	Environment fee : $0.10			
0005916145100	KREMA PLAIN YOGURT 650	$8.79	1.00	
0006568400510	LIBERTE YOG	$8.79	1.00	
0005731615560	COOP SHR DBL MILD	$8.99	1.00	
0005731618206	CGLD GOUDA CHEESE	$7.29	1.00	

0006870004505	BUTTER SALTED 454 GR	$8.29		1.00
0005731618205	CGLD HAVARTI CHS	$7.29		1.00
0005786400008	TOFU EXTRA FIRM 350	$19.96		4.00
0006820000641	MEDIUM SLICES 240 GR	$16.98		2.00
9999999990101	.Grocery Non Taxables	$17.97		3.00
0067495900008	FREE RUN BROWN LRG EGGS 12 EA	$34.76		4.00
0000000004030	KIWI FRUIT REG	$25.80		20.00
0000000004135	APPLES GALA	$18.50	2.215	1.00
0000000004569	CAULIFLOWER	$10.98	1.135	1.00
0000000004047	GRAPEFRUIT RED	$20.94		6.00
0003260195296	ORGANIC BABY SPINACH 284 G	$11.98		2.00
0000000004012	ORANGES NAVEL WEST	$12.52	2.285	1.00
0000000004093	ONIONS YELLOW JUMBO	$10.92	1.775	1.00
0000000004060	BROCCOLI PREMIUM 1	$2.36	0.215	1.00
0000000004081	EGGPLANT REGULAR	$1.32	0.440	1.00
0069152907871	ORANGES MANDARINS SATSUMA 750 GR	$14.98		2.00
0000000004799	TOMATOES HOT HOUSE	$10.25	1.165	1.00
0000000004069	CABBAGE GREEN	$7.90	1.640	1.00
0000000004067	SQUASH ZUCCHINI GREEN REG	$5.27	0.800	1.00
0069152900488	BLUEBERRIES	$23.97		3.00
0006602200371	STRAWBERRIES 454	$15.98		2.00
0000000004059	KALE	$3.49		1.00
0077116300067	ORGANIC WHITE STUFFER 454 GR	$13.98		2.00
0006439113102	BELL PEPPERS 3PK	$17.98		2.00
0003338366604	MINI CARROTS	$13.98		2.00
0003338366001	BUNNY-LUV FRESH CALIFORNIA CARROTS 2LB	$4.99		1.00
0000000004068	ONIONS GREEN	$1.89		1.00
9999999990101	.Grocery Non Taxables	$9.98		2.00
9999999990101	.Grocery Non Taxables	$5.99		1.00
9999999990601	.Meat	$22.00		1.00
9999999990101	.Grocery Non Taxables	$5.99		1.00
9999999990101	.Grocery Non Taxables	$6.99		1.00

9999999990101		.Grocery Non Taxables	$8.99	1.00
9999999990101		.Grocery Non Taxables	$29.98	2.00
9999999992201		.Produce Each	$8.99	1.00
9999999992201		.Produce Each	$8.99	1.00
9999999990101		.Grocery Non Taxables	$12.99	1.00
9999999990101		.Grocery Non Taxables	$29.98	2.00
9999999990101		.Grocery Non Taxables	$51.96	4.00
9999999990101		.Grocery Non Taxables	$4.99	1.00
9999999990101		.Grocery Non Taxables	$16.99	1.00
9999999990101		.Grocery Non Taxables	$49.95	5.00
9999999990601		.Meat	$14.07	3.00
9999999990601		.Meat	$31.98	2.00
9999999990601		.Meat	$11.98	2.00
0020410800000	20410821188	LEAN GROUND BEEF	$11.88	1.00
9999999990601		.Meat	$100.00	2.00
9999999990601		.Meat	$11.49	1.00
9999999990601		.Meat	$12.98	2.00
9999999990601		.Meat	$12.98	2.00
		Charge	$1437.40	1.00

Summary	Amount	Qty
TOTAL SALES	$1437.40	1.00
Net Sales	$1425.02	208.00
Sales Non Taxable	$1259.31	169.00
Discountable Sales	$1425.02	208.00
Taxable 1	$167.51	39.00
Tax 1	$8.38	
Deposit	$2.00	7.00
Environment fee	$2.00	7.00
Freight weight	$0.00	11.67
Coupon able	$1425.02	208.00
Charge	$1437.40	1.00
Cancel prev. item	$24.64	4.00
Admissible spending	$836.43	154.00
Customer balance current	$1437.40	1.00

1429.02

Perpetual inventory current	-$1425.02	-208.00
BALANCE	$0.00	

1 Integra Tire Whitehorse
107 Industrial Road
Whitehorse, YK
Y1A 2T7
Tel 867 667 6102
Fax 867 668 6483
GST# R827248915

SALE RECEIPT # 2427778
Customer: Cash Sale
Cashier: All Users (R2/T1/S1)
16-Jul-2023 at 11:22 AM

Price was $24

Quantity	Reg Price	Price	Amount
0000000000004 - Propane Fills by the Pou			
20		$1.159	$23.18T
Sub Total			23.18
GST (5.0%) on $23.18			1.16
Total			24.34
CREDIT			24.34
Total Tendered			24.34

:D
Thanks Come Again!

1 Integra Tire Whitehorse
107 Industrial Road
Whitehorse, YK
Y1A 2T7

Jul-16-23 11:22 AM Trans# 2427778

TRANSACTION RECORD

TYPE: PURCHASE

ACCOUNT TYPE: VISA
AMOUNT: CAD$ 24.34

INVOICE NUM: 2427778

CARD NUMBER: **********9629
DATE/TIME: 2023-07-16 11:22:22 AM
REFERENCE NUMBER: 66361793 0012130320 C
AUTHORIZATION NUMBER: 051781

SCOTIABANK VISA
AID: A0000000031010
0080008000
F800
01 APPROVED - THANK YOU 027

IMPORTANT - RETAIN THIS COPY FOR YOUR RECORDS

CUSTOMER COPY

PIKE WARDEN.

SHOPPERS DRUG MART #0298
303 OGILVIE ST SUITE 2
WHITEHORSE, YT Y1A2S3
(867) 667-6633

SALE

REF#: 00000014
Batch #: 929 SEQ: 929001001014
07/29/23 14:54:24
APPR CODE: 040989
VISA
**********9529C PIKE WARDEN

AMOUNT $150.33

00 - APPROVED - 001

SCOTIABANK VISA
AID: A0000000031010
TVR: 00 80 00 80 00
TSI: F8 00

Thank You
Please Come Again

CUSTOMER COPY

Canada Post/Postes Canada
SHOPPERS DRUG MART #0298
2 - 303 OGILVIE ST
WHITEHORSE, YT Y1A 3Z0
GST/TPS#101271963

2023/07/29 14:54:40 PREET
CC102580 W/G 2

G/S $25.03
PARCELS/COLIS

Item Weight/Poids de l'article:5.485 kg
Volumetric Equivalent (VE)/ Équivalent volumétrique (EV):0.920
Destination:Canada
Postal code - ZIP Code/Code postal - ZIP:P3E5P5

After cut-off. Add 1 business day (excluding holidays) to your delivery./
Heure limite dépassée; ajoutez un jour ouvrable pour la livraison (à l'exception des jours fériés).

0102580477635136

G/S $0.00
DELIVERY CFIRM./CON DE LIVRAISON

G/S $5.26
FUEL SURCHARGE/SUPPLEMENT POUR CAR

G/S $31.36
PARCELS/COLIS

Item Weight/Poids de l'article:9.465 kg
Volumetric Equivalent (VE)/ Équivalent volumétrique (EV):2.570
Destination:Canada
Postal code - ZIP Code/Code postal - ZIP:P3E5P5

After cut-off. Add 1 business day (excluding holidays) to your delivery./
Heure limite dépassée; ajoutez un jour ouvrable pour la livraison (à l'exception des jours fériés).

0102580477644138

G/S $0.00
DELIVERY CFIRM./CON DE LIVRAISON

G/S $6.59
FUEL SURCHARGE/SUPPLEMENT POUR CAR

G/S $29.79
PARCELS/COLIS

Item Weight/Poids de l'article:8.500 kg
Volumetric Equivalent (VE)/ Équivalent volumétrique (EV):2.340
Destination:Canada
Postal code - ZIP Code/Code postal - ZIP:P3E5P5

After cut-off. Add 1 business day (excluding holidays) to your delivery./
Heure limite dépassée; ajoutez un jour ouvrable pour la livraison (à l'exception des jours fériés).

0102580477653130

G/S $0.00
DELIVERY CFIRM./CON DE LIVRAISON

G/S $6.26
FUEL SURCHARGE/SUPPLEMENT POUR CAR

G/S $32.14
PARCELS/COLIS

Item Weight/Poids de l'article:9.530 kg
Volumetric Equivalent (VE)/ Équivalent volumétrique (EV):3.520
Destination:Canada
Postal code - ZIP Code/Code postal - ZIP:P3E5P5

After cut-off. Add 1 business day (excluding holidays) to your delivery./
Heure limite dépassée; ajoutez un jour ouvrable pour la livraison (à l'exception des jours fériés).

0102580477673138

G/S DELIVERY CFIRM./CON DE LIVRAISON	$0.00
G/S FUEL SURCHARGE/SUPPLEMENT POUR CAR	$6.75
SUBTL/SOUS-TOTAL	$143.18
GST/TPS	$7.15
TOTAL	$150.33
Visa	$150.33

For complete terms and conditions consult the Canada Postal Guide at WWW.CANADAPOST.CA or any Post Office./
Pour connaître les modalités complètes

consultez le Guide des postes du Canada

a l'adresse WWW.POSTESCANADA.CA ou a votre bureau de poste.
Sender warrants that the shipped item(s) do(es) not contain non-mailable matter./
L'expéditeur confirme que l'article expédie ne contient aucun objet inadmissible.
Tell us how we did today. Complete the survey at canadapostsurvey.ca or text survey to 55555 and enter to WIN one of two $250 Prepaid Visa Cards. (Standard message and data rates would apply for text message.)/
Parlez-nous de votre expérience aujourd'hui. Répondez au sondage sur le site sondagepostescanada.ca ou envoyez un message texte à sondage au 55555 et courez la chance de GAGNER l'une des deux cartes Visa prépayées de 250$. (Les frais standard pour les messages textes et les données s'appliquent.)
Track your item by web or mobile app: Some exceptions apply./
Repérer votre article par le web ou l'appli mobile: Certaines conditions s'appliquent.

2124-10102580-2-1629206-1

						Pike Warden - July				
	VEHICLES									
MAKE	UNIT #	DAILY	WEEKLY	MONTHLY	KMS	DAYS	WKS	MOS	KMS	
GMC	CC5	$ 154.50			0.65	3			398	$ 722.20
Ford Ranger	Ranger	$ 123.60			0.65	2				$ 247.20
Chevy	Single Cab	$ 123.60			0.65	1				$ 123.60
										$ 1,093.00
	SPECIALTY EQUIPMENT								Units	
Starlink	Starlink	$ 45.00				6			1	$ 270.00
										$ 270.00
Field Gear, Room and Board										
Location		DAILY				DAYS	WKS	MOS		
	House Only	$ 100.00				11				$ 1,100.00
	Camp	$ 92.40				30				$ 2,772.00
	Field Gear	$ 41.20				4				$ 164.80
	Whitehorse	$ 180.00				1				$ 180.00
										$ 4,216.80
Consumables & Fuel										
		DAILY				Quanity				
Standards (2@ME15, 2@ ME16)		$ 50.00				4				$ 200.00
										$ 200.00
		TOTAL CHARGES								**$ 5,779.80**

ARCHER, CATHRO & ASSOCIATES (1981) LTD.
510-1100 Melville St.
Vancouver, B.C.
ARCHER CATHRO V6E 4A6

Invoice

Date	Invoice #
2023-08-31	10374

Bill To

PIKE/WARDEN PROPERTY
Transition Metals Corp.
9C-1351 Kelly Lake Road
Sudbury, ON
P3E 5P5

Billing Period
AUGUST 2023

Budget Item	Description	Qty	Rate	Amount
	NON-ARCHER, CATHRO SERVICES & SUPPLIES			
NA-02 Helicop...	North 60 Petro - Inv#CL52191	1.00	403.24	403.24T
NA-02 Helicop...	Capital Helicopters - Inv#615616	1.00	11,264.15	11,264.15T
NA-25 Shippin...	BNS Visa#9629 - Aug 15/23 - Shoppers, postage	1.00	5.09	5.09T
	Total Expenses			11,672.48
	ARCHER, CATHRO SERVICES & SUPPLIES			
AC-07 Office ...	Level A1 - Admin (Junior) day rate $560.00	0.50	70.00	35.00T
AC-05-1 Labour	Level OL1 - Operations Lead day rate $968.00	0.50	96.80	48.40T
AC-07 Office ...	Level F1 - Controller day rate $896.00	0.25	112.00	28.00T
	CHARGE OUTS			
AC-20 AC Mis...	Standard	4.00	50.00	200.00T
	MANAGEMENT FEE			
AC-01 Manag...	Administration Fee	11,983.88	0.05	599.19T
	GST Charged		5.00%	629.15

Payment due upon receipt of invoice. Interest charged at 2% per month on invoices over 30 days.

Subtotal	**CAD 12,583.07**
GST No. 100247667 **GST Total**	**CAD 629.15**
Total Payable	**CAD 13,212.22**
Balance Due	**CAD 13,212.22**

INVOICE

146 Industrial Rd Whitehorse YT Y1A 2V1
Telephone: (867) 633-8820 Fax: (867) 633-8841

PIKE/WATSON

ARCHER CATHRO & ASSOCIATES
241 MACDONALD ROAD
MO1028
WHITEHORSE, YT Y1A4R1
Federal / Territory Tax ID:

*4324

PAGE: 1
ACCOUNT NO: 0004718
INVOICE: CL52191
DATE: 07/31/2023
DUE DATE : 08/30/2023

CARD ID	DATE	TIME	SITE	MISC	PROD	PRICE	QTY	F E T	YTG	CRB	GST	AMT
1947000000059445												
	07/22/2023	04:59P	7 PORTER CREEK INFONET		DSL	1.698	108.075	4.32	7.78	18.78	8.74	183.51
1947000000059453												
	07/16/2023	11:34A	7 PORTER CREEK INFONET		UNL	1.738	19.090	1.91	1.18	2.73	1.58	33.18
	07/16/2023	11:38A	7 PORTER CREEK INFONET		UNL	1.738	40.257	4.03	2.50	5.76	3.33	69.97
	07/16/2023	11:42A	7 PORTER CREEK INFONET		DSL	1.698	42.070	1.68	3.03	7.31	3.40	71.43
	07/19/2023	12:00P	7 PORTER CREEK INFONET		DSL	1.698	38.465	1.54	2.77	6.69	3.11	65.31

Thank You
Please
Come Again

Integra Fuel Centre
1903 Centennial Street
Whitehorse, YK
Y1A 2T7
CANADA

1944********9446
N60
Trans : Purchase
Inv # : 42[illegible]1986
Pump # : [illegible]Sel
Vol : 108.9[illegible] L
Price/L: $1.709
Total: $194.43
Date: 07/22/23
Time: 4:59:52 PM
Fuel Includes:
GST(5%): $9.26
Total : $9.26

THANK YOU
Please
Come Again

Pike/Warden

Heather Purnell

Thank You
Please
Come Again

Integra Fuel Centre
1902 Centennial Street
Whitehorse, YK
Y1A 2T7
CANADA

1947********9453
N60
Trans : Purchase
Inv # : 9270226
Pump # : 6-Regular
Vol : 19.090 L
Price/L: $1.839
Total: $35.11
Date: 07/16/23
Time: 11:34:28 AM
Fuel Includes:
GST(5%): $1.67
Total : $1.67

THANK YOU
Please
Come Again

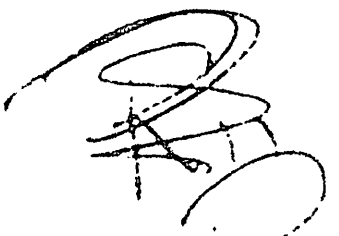
PIKE
WARDEN

Thank You
Please
Come Again

Integra Fuel Centre
1903 Centennial Street
Whitehorse, YK
Y1A 2T7
CANADA

194********9455
N60
Trans : Purchase
Inv # : 9270228
Pump # : 6 Regular
Vol : 40.257 L
Price/L: $1.839
Total: $74.03
Date: 07/16/23
Time: 11:38:44 AM
Fuel Includes:
GST(5%): $3.53
Total : $3.53

THANK YOU
Please
Come Again



PIKE WAR.

Thank You
Please
Come Again

Integra Fuel Centre
1903 Centennial Street
Whitehorse, YK
Y1A 2T7
CANADA

194/********9453
NGO
Trans : Purchase
Inv # : 9270230
Pump # : 6-Diesel
Vol : 42.070 L
Price/L: $1.799
Total: $75.68
Date: 07/16/23
Time: 11:42:34 AM
Fuel Includes:
GST(5%): $3.60
Total : $3.60

Peter Inarder

THANK YOU
Please
Come Again

Thank You
Please
Come Again

Integra Fuel Centre
1903 Centennial Street
Whitehorse, YK
Y1A 2T7
CANADA

194/********9453
N60
Trans : Purchase
Inv # : 9271046
Pump # : 6-Diesel
Vol : 38.465 l
Price/L: $1.799
Total: $69.20
Date: 07/19/23
Time: 12:00:03 PM
Fuel Includes:
GST(5%): $3.30
Total : $3.30

THANK YOU
Please
Come Again

Capital Helicopters (1995) Inc.
Suite 3 - 25 Pilgrim Place
Whitehorse, Yukon Y1A 0M7
Canada

CAPITAL HELICOPTERS

INVOICE

NO. 615616

DATE 08/14/2023

PAGE 1 of 1

SOLD TO
Archer, Cathro & Associates (1981) Ltd.
510 - 1100 Melville Street
Vancouver, BC V6E 4A6

SHIP TO
Archer, Cathro & Associates (1981) Ltd.
510 - 1100 Melville Street
Vancouver, BC V6E 4A6

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	GST	PST	UNIT PRICE	AMOUNT
			Bell Long Ranger				
July 19	2.1	hrs	YXY-camp mob in-YXY	G		1,445.00	3,034.50
	256.2	ltrs	fuel	G		1.85	473.97
July 24	1.9	hrs	YXY-camp demob-YXY	G		1,445.00	2,745.50
	231.8	ltrs	fuel	G		1.85	428.83
July 26	1.3	hrs	YXY-camp-s/o -moves of crew-YXY	G		1,445.00	1,878.50
	158.6	ltrs	fuel	G		1.85	293.41
			Bell 206 Jet Ranger				
July 27	1.6	hrs	YXY-camp-s/o-moves of crew-YXY	G		1,295.00	2,072.00
	182.4	ltrs	fuel	G		1.85	337.44
			"PIKE/WARDEN PROJECT"				
			G - GST - 5.0%				
			GST				563.22
			Terms: Net 30. Due 09/13/2023.				11264.15

Capital Helicopters GST #899587984

A 3% processing fee will be applied to the final invoice total for all payments made by credit card

We thank you for the opportunity to earn your business

TOTAL 11,827.37

Daily Flight Report 615616
2023-07-19

Capital Helicopters (1995) Inc.
25 Pilgrim Place
Suite 3
Whitehorse, Yukon Y1A 0M7
Canada
Phone 1-867-668-6200
info@capitalhelicopters.com

Sold To:
Archer Cathro
41 MacDonald Road
Whitehorse, Yukon Y1A 4R1
Canada
Attn: Liz Smith

Leg Description	Up Time	Down Time	Total
Leg #1 (3 Pax) Cyxy to Cyxy Camp move in Fuel Quantity (L): 256.2 Fuel from:: 1 Whitehorse	2130	1046	2.1
Billable Flight Report Hours		**Total**	2.1

Job#	3920
Client	Archer Cathro
Job_Name	Pike/Warden Project
Aircraft Ident	C-GQHW
Aircraft Type	Bell 206L
Timezone	America/Whitehorse
TDG	no

Flight Details
Fly camp mobe in

Crew
PIC: Scott Smith

Passengers: 0

Passenger names: .

RFT/Contract #:

***** Flight Report Unsigned *****

Your business is appreciated

Daily Flight Report 619069
2023-07-24

Capital Helicopters (1995) Inc.
25 Pilgrim Place
Suite 3
Whitehorse, Yukon Y1A 0M7
Canada
Phone 1-867-668-6200
info@capitalhelicopters.com

Sold To:
Archer Cathro
41 MacDonald Road
Whitehorse, Yukon Y1A 4R1
Canada
Attn: Liz Smith

Leg Description	Up Time	Down Time	Total
Leg #1 (6 Pax) Cuxy to Camp demobe Fuel Quantity (L): 231.8 Fuel from:: 1 Whitehorse	1033	1240	1.9
Billable Flight Report Hours		**Total**	1.9

Job#	3920
Client	Archer Cathro
Job_Name	Pike/Warden Project
Aircraft Ident	C-GQHW
Aircraft Type	Bell 206L
Timezone	America/Whitehorse
TDG	no

Flight Details
Camp demobe

Crew
PIC: Scott Smith

Passengers: 0

Passenger names: .

RFT/Contract #:

***** Flight Report Unsigned *****

Your business is appreciated

Daily Flight Report 620668
2023-07-26

Capital Helicopters (1995) Inc.
25 Pilgrim Place
Suite 3
Whitehorse, Yukon Y1A 0M7
Canada
Phone 1-867-668-6200
info@capitalhelicopters.com

Sold To:
Archer Cathro
41 MacDonald Road
Whitehorse, Yukon Y1A 4R1
Canada
Attn: Liz Smith

Job#	3920
Client	Archer Cathro
Job_Name	Pike/Warden Project
Aircraft Ident	C-GQHW
Aircraft Type	Bell 206L
Timezone	America/Dawson_Creek
TDG	no

Leg Description	Up Time	Down Time	Total
Leg #1 (4 Pax) cyxy to pike warden trip to pike warden property, dropoff 4 pax and gear Fuel Quantity (L): 61 Fuel from:: 1 Whitehorse	0735	0805	0.5
Leg #2 (4 Pax) pike warden to pike warden bump over to second site. dropoff pax and daypacks Fuel Quantity (L): 24.4 Fuel from:: 1 Whitehorse	1351	1400	0.2
Leg #3 (4 Pax) pike warden to cyxy Fuel Quantity (L): 73.2 Fuel from:: 1 Whitehorse	1458	1532	0.6
Billable Flight Report Hours		**Total**	1.3

Flight Details
Trip to Pike warden for the day, set outs on site then a return to cyxy

Crew
PIC: Erik Polzin

Passengers: 4

Passenger names: greg, niona, sarah, jasmine

RFT/Contract #:

***** Flight Report Unsigned *****

Your business is appreciated

Daily Flight Report 621283
2023-07-27

Capital Helicopters (1995) Inc.
25 Pilgrim Place
Suite 3
Whitehorse, Yukon Y1A 0M7
Canada
Phone 1-867-668-6200
info@capitalhelicopters.com

Sold To:
Archer Cathro
41 MacDonald Road
Whitehorse, Yukon Y1A 4R1
Canada
Attn: Liz Smith

Job#	3920
Client	Archer Cathro
Job_Name	Pike/Warden Project
Aircraft Ident	C-GAHF
Aircraft Type	Bell 206B
Timezone	America/Dawson_Creek
TDG	no

Leg Description	Up Time	Down Time	Total
Leg #1 (2 Pax) Fly to pike warden with 2 passengers Fuel Quantity (L): 57 Fuel from:: 1 Whitehorse	0815	0845	0.5
Leg #2 (2 Pax) 3 bumps with the helicopter Fuel Quantity (L): 68.4 Fuel from:: 1 Whitehorse	1200	1236	0.6
Leg #3 (2 Pax) Pike warden to whitehorse with 2 passengers Fuel Quantity (L): 57 Fuel from:: 1 Whitehorse	1400	1430	0.5
Billable Flight Report Hours		**Total**	1.6

Flight Details
Fly to pike warden property with 2 ppl

Crew
PIC: Bryan Johnson

Passengers: 2

Passenger names: Greg, Sarah

RFT/Contract #:

***** Flight Report Unsigned *****

Your business is appreciated

Canada Post/Postes Canada
SHOPPERS DRUG MART #0298
2 - 303 OGILVIE ST
WHITEHORSE, YT Y1A 3Z0
GST/TPS#101271963

2023/08/03 14:14:11 SAMANTHA
CC102580 W/G 2

G/S 1 @ $5.09 $5.09
OTHER LETTERS/AUTRES LETTRES

Item Weight/Poids de l'article:0.338 kg
Volumetric Equivalent (VE)/ Équivalent volumétrique (EV):0.000 Kg
Destination:Canada
Postal code - ZIP Code/Code postal - ZIP:K0L2H0

After cut-off. Add 1 business day (excluding holidays) to your delivery./
Heure limite dépassée; ajoutez un jour ouvrable pour la livraison (à l'exception des jours fériés).

SUBTL/SOUS-TOTAL $5.09
GST/TPS $0.25
TOTAL $5.34

PIKE WARDEN

Visa $5.34

For complete terms and conditions consult the Canada Postal Guide at WWW.CANADAPOST.CA or any Post Office./
Pour connaître les modalités complètes consultez le Guide des postes du Canada à l'adresse WWW.POSTESCANADA.CA ou à votre bureau de poste.
Sender warrants that the shipped item(s) do(es) not contain non-mailable matter./
L'expéditeur confirme que l'article expédié ne contient aucun objet inadmissible.
Tell us how we did today. Complete the survey at canadapostsurvey.ca or text survey to 55555 and enter to WIN one of two $250 Prepaid Visa Cards. (Standard message and data rates would apply for text message.)/
Parlez-nous de votre expérience aujourd'hui. Répondez au sondage sur le site sondagepostescanada.ca ou envoyez un message texte à sondage au 55555 et courez la chance de GAGNER l'une des deux cartes Visa prépayées de 250$. (Les frais standard pour les messages textes et les données s'appliquent.)
Track your item by web or mobile app: Some exceptions apply./
Repérer votre article par le web ou l'appli mobile: Certaines conditions s'appliquent.

2124-10102580-2-1646300-2

WWW.CANADAPOST.CA/WWW.POSTESCANADA.CA

SHOPPERS DRUG MART #0298
303 OGILVIE ST SUITE 2
WHITEHORSE, YT Y1A2S3
(867) 667-6633

SALE

REF#: 00000022
Batch #: 934 SEQ: 934001001022
08/03/23 14:13:52
APPR CODE: 066468
VISA
**********9629C **/**

AMOUNT $5.34

00 - APPROVED - 001

SCOTIABANK VISA
AID: A0000000031010
TVR: 00 80 00 80 00
TSI: F8 00

Thank You
Please Come Again

CUSTOMER COPY

						Pike Warden - August				
Consumables										
		Rate				Volume				
Standard		$ 50.00				4				$ 200.00
										$ 200.00
TOTAL CHARGES										**$ 200.00**

ARCHER, CATHRO & ASSOCIATES (1981) LTD.
510-1100 Melville St.
Vancouver, B.C.
ARCHER CATHRO V6E 4A6

Invoice

Date	Invoice #
2023-09-30	10447

Bill To

PIKE/WARDEN PROPERTY
Transition Metals Corp.
9C-1351 Kelly Lake Road
Sudbury, ON
P3E 5P5

Billing Period
SEPTEMBER 2023

Budget Item	Description	Qty	Rate	Amount
	EXPLORATION			
	ARCHER, CATHRO SERVICES & SUPPLIES			
AC-05-1 Labour	Level P3 - Geologist (Senior I) day rate $936.00	52.50	93.60	4,914.00T
AC-07 Office ...	Level F1 - Controller day rate $896.00	5.25	112.00	588.00T
AC-05-1 Labour	Level P1 - Geologist (Junior I) day rate $696.00	20.00	69.60	1,392.00T
AC-05-1 Labour	Level P2 - Geologist (Junior II) day rate $800.00	20.00	80.00	1,600.00T
AC-05-1 Labour	Level OL1 - Operations Lead day rate $968.00	4.00	96.80	387.20T
AC-07 Office ...	Level P6 - Partner day rate $1,008.00	8.00	126.00	1,008.00T
	CHARGE OUTS			
AC-16 Car/Va...	Chevy RC1 (3 days @ $123.60 per day)	3.00	123.60	370.80T
AC-16 Car/Va...	GMC CS4 (1 day @ $154.50 per day)	1.00	154.50	154.50T
AC-20 AC Mis...	Tablet (8 days @ $20.06 per day)	8.00	20.06	160.48T
AC-10 Camp ...	Field Gear Rental (13 days @ $50.00 per day)	12.00	50.00	600.00T
AC-11 AC Hou...	AC House-Room & Board (6 days @ $100.00 per day)	5.00	100.00	500.00T
AC-20 AC Mis...	Standard (3 @ $50.00 each)	3.00	50.00	150.00T
	MANAGEMENT FEE			
AC-01 Manag...	Administration Fee	11,824.98	0.05	591.25T
	GST Charged		5.00%	620.81

Payment due upon receipt of invoice. Interest charged at 2% per month on invoices over 30 days.

Subtotal	**CAD 12,416.23**
GST No. 100247667 **GST Total**	**CAD 620.81**
Total Payable	**CAD 13,037.04**
Balance Due	**CAD 13,037.04**

						Pike Warden - September - Exploration				
	VEHICLES									
MAKE	UNIT #	DAILY	WEEKLY	MONTHLY	KMS	DAYS	WKS	MOS	KMS	
Chevy	RC1	123.60			0.65	3				$ 370.80
GMC	CS4	154.50			0.65	1				$ 154.50
										$ 525.30
	SPECIALTY EQUIPMENT									
Tablet	Tablet	20.06				8				$ 160.48
										$ 160.48
Field Gear, Room and Board										
Location		DAILY				DAYS	WKS	MOS		
	Field Gear Rental	50.00				12				$ 600.00
	House Stay	100.00				5				$ 500.00
										$ 1,100.00
Consumables										
		Rate				Volume				
										$ -
										$ -
Standard	Standard	50.00				3				$ 150.00
										$ 150.00
		TOTAL CHARGES								**$ 1,935.78**

ARCHER, CATHRO & ASSOCIATES (1981) LTD.
510-1100 Melville St.
Vancouver, B.C.
V6E 4A6

Invoice

Date	Invoice #
2023-09-30	10461

Bill To

PIKE/WARDEN PROPERTY
Transition Metals Corp.
9C-1351 Kelly Lake Road
Sudbury, ON
P3E 5P5

Billing Period
SEPTEMBER 2023

Budget Item	Description	Qty	Rate	Amount
	STAKING			
	NON-ARCHER, CATHRO SERVICES & SUPPLIES			
NA-28 Govern...	BNS Visa#2423 - Sep 30/23 YG EMR Whitehorse, quartz grant	1.00	180.00	180.00T
NA-28 Govern...	BNS Visa#2423 - Sep 30/23 YG EMR Whitehorse, claims	1.00	19.50	19.50T
	Total Expenses			199.50
	ARCHER, CATHRO SERVICES & SUPPLIES			
AC-05-1 Labour	Level P6 - Partner day rate $1,008.00	16.00	100.80	1,612.80T
AC-07 Office ...	Level G1 - GIS Specialist day rate $664.00	1.00	83.00	83.00T
	CHARGE OUTS			
AC-10 Camp ...	Field Gear Rental (1 day @ $50.00 per day)	1.00	50.00	50.00T
AC-11 AC Hou...	AC House-Room & Board (1 day @ $100.00 per day)	1.00	100.00	100.00T
AC-20 AC Mis...	Claim Posts (36 @ $4.99 each)	36.00	4.99	179.64T
AC-20 AC Mis...	Claim Tags (18 @ $2.30 each)	18.00	2.30	41.40T

at 2% per month on invoices over 30 days.

Subtotal

GST No. 100247667	GST Total
	Total Payable
	Balance Due

ARCHER, CATHRO & ASSOCIATES (1981) LTD.
510-1100 Melville St.
Vancouver, B.C.
V6E 4A6

Invoice

Date	Invoice #
2023-09-30	10461

Bill To

PIKE/WARDEN PROPERTY
Transition Metals Corp.
9C-1351 Kelly Lake Road
Sudbury, ON
P3E 5P5

Billing Period
SEPTEMBER 2023

Budget Item	Description	Qty	Rate	Amount
	MANAGEMENT FEE			
AC-01 Manag...	Administration Fee	2,266.34	0.05	113.32T
	GST Charged		5.00%	118.98

Payment due upon receipt of invoice. Interest charged at 2% per month on invoices over 30 days.

Subtotal	**CAD 2,379.66**
GST No. 100247667 **GST Total**	**CAD 118.98**
Total Payable	**CAD 2,498.64**
Balance Due	**CAD 2,498.64**

YG EMR WHITEHORSE
102-300 MAIN STREET
WHITEHORSE YT

CARD **********2423
CARD TYPE VISA
DATE 2023/09/25
TIME 4035 14:25:00
RECEIPT NUMBER
C84104120-001-426-004-0

PURCHASE
TOTAL

$180.00

SCOTIABANK VISA
A0000000031010
DBAED1ABCFBD9BEB
0080008000-E800
16F98BAD6C9ACBFF
0080008000-F800

PIKE WARDEN

APPROVED

AUTH# 031281 01-027
THANK YOU

CARDHOLDER COPY

IMPORTANT - RETAIN THIS
COPY FOR YOUR RECORDS

2023-09-25 2:25 PM **Sales Receipt #5431**
Store: WH

Yukon

Whitehorse Mining Recorder
Suite 102 - 300 Main Street
Whitehorse, YT Y1A 2B5
Phone: 867-667-3190
whitehorse.mining@yukon.ca
www.yukon.ca/mining

Bill To: Archer, Cathro & Associates
Archer Cathro
41 MacDonald Road
Whitehorse, YT Y1A 4R1

Item Description	Qty	Price	Total
Quartz Grant	18	$10.00	$180.00
Grant			

	Subtotal:	$180.00
GST	0 % Tax:	+ $0.00
	RECEIPT TOTAL:	**$180.00**

Credit Card: $180.00
Visa

Recording LION 1-18 YF44866-YF44883

Thank you! Have a nice day!

5431

YG EMR WHITEHORSE
102-300 MAIN STREET
WHITEHORSE YT

CARD **********2423
CARD TYPE VISA
DATE 2023/09/28
TIME 7494 10:01:12
RECEIPT NUMBER
C84104120-001-428-001-0

PURCHASE
TOTAL - $19.50

Claim for transfer

SCOTIABANK VISA
A0000000031010
33605187DEFB6195
0080008000-E800
701ABF1BE38523BE
0080008000-F800

Pike Warden

APPROVED
AUTH# 004046 01-027
THANK YOU

CARDHOLDER COPY

IMPORTANT - RETAIN THIS
COPY FOR YOUR RECORDS

						Pike Warden - September - Staking				
	VEHICLES									
MAKE	UNIT #	DAILY	WEEKLY	MONTHLY	KMS	DAYS	WKS	MOS	KMS	
										$ -
										$ -
										$ -
	SPECIALTY EQUIPMENT									
										$ -
										$ -
Field Gear, Room and Board										
Location		DAILY				DAYS	WKS	MOS		
	Field Gear Rental	50.00				1				$ 50.00
	House Stay	100.00				1				$ 100.00
										$ 150.00
Consumables										
		Rate				Volume				
Claim Post	Post	4.99				36				$ 179.64
Claim Tag	Tag	2.30				18				$ 41.40
										$ -
										$ 221.04
		TOTAL CHARGES								**$ 371.04**

ARCHER, CATHRO & ASSOCIATES (1981) LTD.
510-1100 Melville St.
Vancouver, B.C.
V6E 4A6

Invoice

Date	Invoice #
2023-10-31	10508

Bill To

PIKE/WARDEN PROPERTY
Transition Metals Corp.
9C-1351 Kelly Lake Road
Sudbury, ON
P3E 5P5

Billing Period
OCTOBER 2023

Budget Item	Description	Qty	Rate	Amount
	NON-ARCHER, CATHRO SERVICES & SUPPLIES			
NA-02 Helicop...	North 60 Petro - Inv#CL58565	1.00	89.91	89.91T
NA-02 Helicop...	Capital Helicopters - Inv#655361	1.00	10,654.42	10,654.42T
NA-02 Helicop...	Capital Helicopters - Inv#657092	1.00	3,912.76	3,912.76T
	Total Expenses			14,657.09
	ARCHER, CATHRO SERVICES & SUPPLIES			
AC-07 Office ...	Level P6 - Partner day rate $1,008.00	3.00	126.00	378.00T
AC-07 Office ...	Level F1 - Controller day rate $896.00	0.25	112.00	28.00T
	MANAGEMENT FEE			
AC-01 Manag...	Administration Fee	15,063.09	0.05	753.15T
	GST Charged		5.00%	790.81

Payment due upon receipt of invoice. Interest charged at 2% per month on invoices over 30 days.

Subtotal	**CAD 15,816.24**
GST No. 100247667 **GST Total**	**CAD 790.81**
Total Payable	**CAD 16,607.05**
Balance Due	**CAD 16,607.05**

INVOICE

NORTH 60° PETRO
146 industrial Rd Whitehorse YT Y1A 2V1
Telephone: (867) 633-8820 Fax: (867) 633-8841

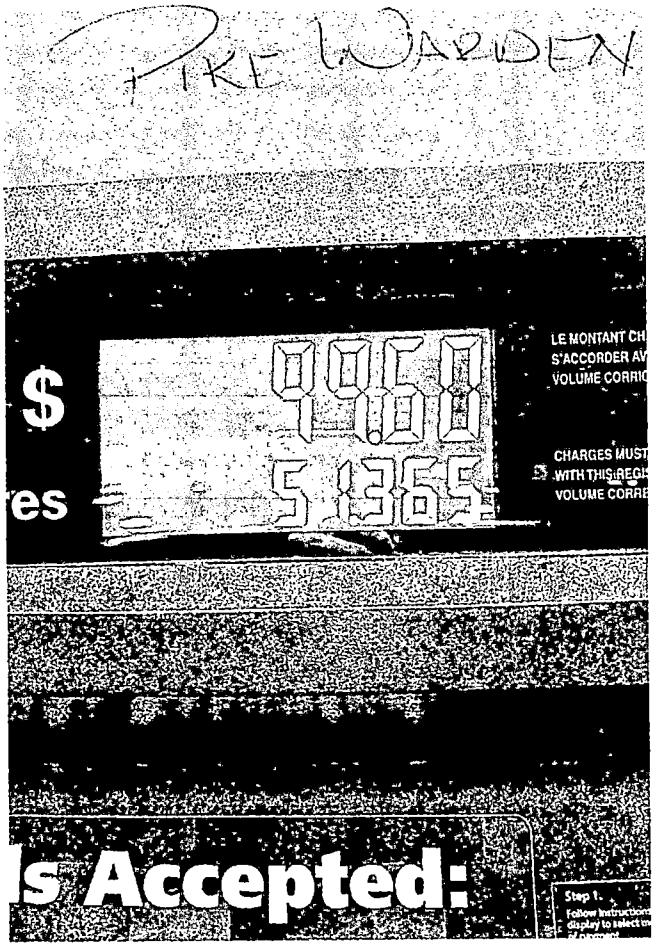
Pike/Warden $89.91

ARCHER CATHRO & ASSOCIATES
241 MACDONALD ROAD
MO1028
WHITEHORSE, YT Y1A4R1
Federal / Territory Tax ID:

PAGE: 1
ACCOUNT NO: 0004718
INVOICE: CL58565
DATE: 09/30/2023
DUE DATE : 10/30/2023

CARD ID	DATE	TIME	SITE	MISC	PROD	PRICE	QTY	F E T	YTG	CRB	GST	AMT
1947000000059446	09/26/2023	07:47A	7 PORTER CREEK INFONET	Pike Warden	UNL	1.838	51.365	5.14	3.18	7.35	4.50	94.41
							51.365	5.14	3.18	7.35	4.50	94.41

PIKE WARDEN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Step 1.

Capital Helicopters (1995) Inc.
Suite 3 - 25 Pilgrim Place
Whitehorse, Yukon Y1A 0M7
Canada

CAPITAL HELICOPTERS

INVOICE

NO. 655361

DATE 10/16/2023

PAGE 1 of 1

SOLD TO

Archer, Cathro & Associates (1981) Ltd.
510 - 1100 Melville Street
Vancouver, BC V6E 4A6

SHIP TO

Archer, Cathro & Associates (1981) Ltd.
510 - 1100 Melville Street
Vancouver, BC V6E 4A6

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	GST	PST	UNIT PRICE	AMOUNT
Sep 18	1.5	hrs	YXY-s/o and p/u-YXY	G		2,075.00	3,112.50
	270.0	ltrs	fuel@YXY	G		2.10	567.00
Sep 19	2.1	hrs	YXY-s/o and p/u 2 groups-YXY	G		1,445.00	3,034.50
	256.2	ltrs	fuel@YXY	G		2.10	538.02
Sep 20	2.0	hrs	YXY-s/o and p/u-YXY	G		1,445.00	2,890.00
	244.0	ltrs	fuel@YXY	G		2.10	512.40
			PIKE/WARDEN PROJECT				
			G - GST - 5.0%				
			GST				532.73
			Terms: Net 30. Due 11/15/2023.				

Capital Helicopters GST #899587984

A 3% processing fee will be applied to the final invoice total for all payments made by credit card

We thank you for the opportunity to earn your business

TOTAL 11,187.15

Daily Flight Report 655361

2023-09-18

Capital Helicopters (1995) Inc.
25 Pilgrim Place
Suite 3
Whitehorse, Yukon Y1A 0M7
Canada
Phone 1-867-668-6200
info@capitalhelicopters.com

Sold To:
Archer Cathro
41 MacDonald Road
Whitehorse, Yukon Y1A 4R1
Canada
Attn: Liz Smith

Job#	3920
Client	Archer Cathro
Job_Name	Pike/Warden Project
Aircraft Ident	C-GNAV
Aircraft Type	Bell 407
Timezone	America/Whitehorse
TDG	no

Leg Description	Up Time	Down Time	Total
Leg #1 (4 Pax) Whitehorse to Whitehorse Sub for fx2 rate	0919	1640	1.5
Billable Flight Report Hours		**Total**	1.5

Flight Details
Setout and pickup

Crew
PIC: Melvin Lagersson

Total Passengers: 4

***** Flight Report Unsigned *****

Your business is appreciated

Daily Flight Report 655736
2023-09-19

Capital Helicopters (1995) Inc.
25 Pilgrim Place
Suite 3
Whitehorse, Yukon Y1A 0M7
Canada
Phone 1-867-668-6200
info@capitalhelicopters.com

Sold To:
Archer Cathro
41 MacDonald Road
Whitehorse, Yukon Y1A 4R1
Canada
Attn: Liz Smith

Job#	3920
Client	Archer Cathro
Job_Name	Pike/Warden Project
Aircraft Ident	C-GQHW
Aircraft Type	Bell 206L
Timezone	America/Whitehorse
TDG	Dangerous Goods Transported

Flight Details

Leg Description	Up Time	Down Time	Total
Leg #1 (4 Pax) Whitehorse to Whitehorse Drop off crews in 2 groups at Pike property	0759	0907	1.1
Leg #2 (4 Pax) Whitehorse to Whitehorse Pick up crews	1621	1721	1.0
Billable Flight Report Hours		**Total**	2.1

Crew
PIC: Damon Juss

Total Passengers: 8

***** Flight Report Unsigned *****

Your business is appreciated

Daily Flight Report 656504
2023-09-20

Capital Helicopters (1995) Inc.
25 Pilgrim Place
Suite 3
Whitehorse, Yukon Y1A 0M7
Canada
Phone 1-867-668-6200
info@capitalhelicopters.com

Sold To:
Archer Cathro
41 MacDonald Road
Whitehorse, Yukon Y1A 4R1
Canada
Attn: Liz Smith

Leg Description	Up Time	Down Time	Total
Leg #1 (2 Pax) Cyxy to Cyxy Set outs and pick ups like/warden	0800	1645	2.0
Billable Flight Report Hours		**Total**	2.0

Job# 3920
Client Archer Cathro
Job_Name Pike/Warden Project
Aircraft Ident C-GQHW
Aircraft Type Bell 206L
Timezone America/Whitehorse
TDG no

Flight Details
Set outs and pick ups at pike/warden

Crew
PIC: Scott Smith

Total Passengers: 2

Passenger names: .

RFT/Contract #:

***** Flight Report Unsigned *****

Your business is appreciated

Capital Helicopters (1995) Inc.
Suite 3 - 25 Pilgrim Place
Whitehorse, Yukon Y1A 0M7
Canada

CAPITAL HELICOPTERS

INVOICE

NO. 657092

DATE 10/21/2023

PAGE 1 of 1

SOLD TO
Archer, Cathro & Associates (1981) Ltd.
510 - 1100 Melville Street
Vancouver, BC V6E 4A6

SHIP TO
Archer, Cathro & Associates (1981) Ltd.
510 - 1100 Melville Street
Vancouver, BC V6E 4A6

ITEM NO	QUANTITY	UNIT	DESCRIPTION	GST	PST	UNIT PRICE	AMOUNT
Sepp 21	2.3	hrs	YXY-s/o and p/u Pike/Warden-YXY	G		1,445.00	3,323.50
	280.6	ltrs	fuel	G		2.10	589.26
			G - GST - 5.0%				
			GST				195.64
			Terms: Net 30. Due 11/20/2023.				

Capital Helicopters GST #899587984

A 3% processing fee will be applied to the final invoice total for all payments made by credit card

We thank you for the opportunity to earn your business

TOTAL 4,108.40

Daily Flight Report 657092
2023-09-21

Capital Helicopters (1995) Inc.
25 Pilgrim Place
Suite 3
Whitehorse, Yukon Y1A 0M7
Canada
Phone 1-867-668-6200
info@capitalhelicopters.com

Sold To:
Archer Cathro
41 MacDonald Road
Whitehorse, Yukon Y1A 4R1
Canada
Attn: Liz Smith

Job#	3920
Client	Archer Cathro
Job_Name	Pike/Warden Project
Aircraft Ident	C-GQHW
Aircraft Type	Bell 206L
Timezone	America/Whitehorse
TDG	no

Leg Description	Up Time	Down Time	Total
Leg #1 (3 Pax) Whitehorse to Whitehorse Fuel Quantity (L): 280.6 Fuel from:: 1 Whitehorse	0804	1440	2.3
Billable Flight Report Hours		**Total**	2.3

Flight Details
Setouts and pick ups Pike Warden

Passenger names: As per briefing

RFT/Contract #:

Crew
PIC: Melvin Lagersson

Total Passengers: 3

***** Flight Report Unsigned *****

Your business is much appreciated!

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

INVOICE NUMBER 6550557

BILLING INFORMATION

Certificate:	WH23210952
Sample Type:	Rock
Account:	TRAMET
Date:	23-AUG-2023
Project:	Pike Warden
P.O. No.:	
Quote:	1030873
Terms:	Net 30 Days C1
Comments:	

QUANTITY	ANALYSED FOR CODE	- DESCRIPTION	UNIT PRICE	TOTAL
1	BAT-01	Administration Fee	42.71	42.71
112	PREP-31	Crush, Split, Pulverize	9.68	1,084.16
178.92	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	1.13	202.18
116	Au-ICP21	Au 30g FA ICP-AES Finish	21.92	2,542.72
116	ME-MS61	48 element four acid ICP-MS	39.83	4,620.28
8	Ag-OG62	Ore Grade Ag - Four Acid	3.24	25.92
11	ME-OG62	Ore Grade Elements - Four Acid	14.58	160.38
1	Cu-OG62	Ore Grade Cu - Four Acid	3.24	3.24
6	Pb-OG62	Ore Grade Pb - Four Acid	3.24	19.44
4	LOG-23	Pulp Login - Rcvd with Barcode	0.81	3.24

SUBTOTAL (CAD)	$	8,704.27
R100938885 GST	$	435.21
TOTAL PAYABLE (CAD)	**$**	**9,139.48**

To: TRANSITION METALS CORP.
ATTN: ACCOUNTS PAYABLE
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name:	ALS Canada Ltd.
Bank:	Royal Bank of Canada
SWIFT:	ROYCCAT2
Address:	Vancouver, BC, CAN
Account:	003-00010-1001098

Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

INVOICE NUMBER 6543392

BILLING INFORMATION

Certificate:	WH23210960
Sample Type:	Soil
Account:	TRAMET
Date:	13-AUG-2023
Project:	Pike Warden
P.O. No.:	
Quote:	
Terms:	Net 30 Days C1
Comments:	

QUANTITY	ANALYSED FOR CODE - DESCRIPTION		UNIT PRICE	TOTAL
1	BAT-01	Administration Fee	42.71	42.71
109	PREP-41	Dry, Sieve (180 um) Soil	2.45	267.05
32.34	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	3.85	124.51
109	AuME-ST43	25g Super Trace Au + Multi Element PKG	56.34	6,141.06

SUBTOTAL (CAD)	$	6,575.33
R100938885 GST	$	328.77
TOTAL PAYABLE (CAD)	**$**	**6,904.10**

To: TRANSITION METALS CORP.
ATTN: ACCOUNTS PAYABLE
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name:	ALS Canada Ltd.
Bank:	Royal Bank of Canada
SWIFT:	ROYCCAT2
Address:	Vancouver, BC, CAN
Account:	003-00010-1001098

Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: **TRANSITION METALS CORP.**
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

INVOICE NUMBER 6640263

BILLING INFORMATION

Certificate:	**WH23276801**
Sample Type:	**Rock**
Account:	**TRAMET**
Date:	**28-OCT-2023**
Project:	Pike Warden
P.O. No.:	
Quote:	1030873
Terms:	**Net 30 Days** C1
Comments:	

QUANTITY	ANALYSED FOR CODE - DESCRIPTION		UNIT PRICE	TOTAL
1	BAT-01	Administration Fee	42.71	42.71
75	PREP-31	Crush, Split, Pulverize	9.68	726.00
112.19	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	1.13	126.77
78	Au-ICP21	Au 30g FA ICP-AES Finish	21.92	1,709.76
78	ME-MS61	48 element four acid ICP-MS	39.83	3,106.74
3	LOG-23	Pulp Login - Rcvd with Barcode	0.81	2.43

SUBTOTAL (CAD)	$	5,714.41
R100938885 GST	$	285.72
TOTAL PAYABLE (CAD)	**$**	**6,000.13**

To: **TRANSITION METALS CORP.**
ATTN: ACCOUNTS PAYABLE
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name:	ALS Canada Ltd.
Bank:	Royal Bank of Canada
SWIFT:	ROYCCAT2
Address:	Vancouver, BC, CAN
Account:	003-00010-1001098

Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

INVOICE NUMBER 6680780

BILLING INFORMATION

Certificate:	WH23324827
Sample Type:	Pulp
Account:	TRAMET
Date:	26-NOV-2023
Project:	Pike Warden
P.O. No.:	
Quote:	1030873
Terms:	Net 30 Days C1
Comments:	

QUANTITY	ANALYSED FOR CODE - DESCRIPTION		UNIT PRICE	TOTAL
1	BAT-01	Administration Fee	42.71	42.71
1	ME-OG62	Ore Grade Elements - Four Acid	14.58	14.58
1	Mo-OG62	Ore Grade Mo - Four Acid	3.24	3.24

SUBTOTAL (CAD)	$	60.53
R100938885 GST	$	3.03
TOTAL PAYABLE (CAD)	**$**	**63.56**

To: TRANSITION METALS CORP.
ATTN: ACCOUNTS PAYABLE
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name:	ALS Canada Ltd.
Bank:	Royal Bank of Canada
SWIFT:	ROYCCAT2
Address:	Vancouver, BC, CAN
Account:	003-00010-1001098

Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

INVOICE NUMBER 6680780

BILLING INFORMATION

Certificate:	WH23324827
Sample Type:	Pulp
Account:	TRAMET
Date:	26-NOV-2023
Project:	Pike Warden
P.O. No.:	
Quote:	1030873
Terms:	Net 30 Days C1
Comments:	

QUANTITY	ANALYSED FOR CODE - DESCRIPTION		UNIT PRICE	TOTAL
1	BAT-01	Administration Fee	42.71	42.71
1	ME-OG62	Ore Grade Elements - Four Acid	14.58	14.58
1	Mo-OG62	Ore Grade Mo - Four Acid	3.24	3.24

SUBTOTAL (CAD)	$	60.53
R100938885 GST	$	3.03
TOTAL PAYABLE (CAD)	**$**	**63.56**

To: TRANSITION METALS CORP.
ATTN: THOMAS HART
9C - 1351 KELLY LAKE ROAD
SUDBURY ON P3E 5P5

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name:	ALS Canada Ltd.
Bank:	Royal Bank of Canada
SWIFT:	ROYCCAT2
Address:	Vancouver, BC, CAN
Account:	003-00010-1001098

Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

PIONEER EXPLORATION
PO Box 72044 OLD ORCHARD
Burnaby, BC V5H 4P9
(306) 715-6802
www.pioneerexploration.ca

Invoice

Date	2023-05-04
Invoice #	202305-02
Terms	Due on receipt
Due Date	2023-05-04
P.O. No.	
Project	

Invoice To

Transition Metals Corp.
9C - 1351 Kelly Lake Rd
Sudbury, ON P3E 5P5
Attn: Sarah Reese

Description	Amount	
Project: Pike Warden Lidar and Orthophoto Surveys Location: near Carcross, Yukon		
Project Dates: TBD		
Mob/Demob fee	3,200.00	G
Deposit of 60% of ESTIMATED costs for Lidar and Orthophoto Survey as contracted	18,037.50	G

Subtotal	$21,237.50
GST@5.0%	1,061.88
Total Tax	1,061.88
Total	$22,299.38

Thank you for choosing to work with Pioneer Exploration Consultants!

GST/HST No. 824651178
SK PST No. 2564532

Accounts unpaid after 30 days are subject to a 2% monthly penalty.

PIONEER EXPLORATION
PO Box 72044 OLD ORCHARD
Burnaby, BC V5H 4P9
(306) 715-6802
www.pioneerexploration.ca

Invoice

Date	2023-09-06
Invoice #	202309-01
Terms	Due on receipt
Due Date	2023-09-06
P.O. No.	
Project	

Invoice To

Transition Metals Corp.
9C - 1351 Kelly Lake Rd
Sudbury, ON P3E 5P5
Attn: Sarah Reese

Description	Amount	
Project: Pike Warden Lidar and Orthophoto Surveys Location: near Carcross, Yukon		
Project Dates: August 8 to 11, 2023		
Mob/Demob fee	3,200.00	G
Lidar and Orthophoto Surveys as contracted	34,125.00	G
Orthoimagery Processing	3,000.00	G
Standby Day for 1 day at $1500/day due to delay in aircraft maintenance	1,500.00	G
Less: Deposit Invoice 202305-02; paid Jun 5/23	-21,237.50	G

Subtotal	$20,587.50
GST@5.0%	1,029.38
Total Tax	1,029.38
Total	$21,616.88

Thank you for choosing to work with Pioneer Exploration Consultants!

GST/HST No. 824651178
SK PST No. 2564532

Interest will be charged at a rate of 2% per month (24% per year) on accounts not paid within 30 days.

AIR CANADA

Booking Confirmation

Booking reference

42NMQO

Travel booked/ticket issued on: 8 Sep, 2023

Select Seats >

eUpgrade >

Manage my booking >

Thank you for choosing Air Canada. Below are your flight details and other useful information for your trip.

IMPORTANT: Your official itinerary/receipt is attached to this email. You must bring it with you to the airport for check-in and we recommend you keep a copy for your records. Please also take the time to review it as it contains the general conditions of carriage and applicable tariffs that apply to the tickets, bookings and air services detailed below, as well as baggage, dangerous goods and other important information related to your trip.

Ensure you are in compliance with the entry requirements of your destination. For the latest information on entry requirements, our flexible booking policy, or our health and safety measures visit our Travel Ready hub.

Passengers

Sarah Frances Reese

Ticket#: 0142179834488

Seats

YYZ-YVR 36K

Depart • Sun 17 Sep, 2023

Economy - Flex

Toronto YYZ

08:30

Toronto-Pearson Int.

Vancouver YVR

10:30

Vancouver Int.

AC 105

5hr

Cabin : Economy Class (S)

Operated by Air Canada

Boeing 777-300ER

Food for purchase on board

Purchase summary

VISA CA $505.25
•••• 1052

The following charges (tax inclusive) will appear on your credit or debit card statement:

Amount paid: CA $505.25

Full details can be found in your attached Itinerary/Receipt.

For 1 Adult

Flights

Air transportation charges

Departing flight - Adult	$405.00

Taxes, fees and charges

Air Travellers Security Charge - Canada	$7.12
Harmonized Sales Tax - Canada - 100092287 RT0001	$58.13
Airport Improvement Fee - Canada	$35.00

Grand total - Canadian dollars **$505.25**

Baggage allowance

Carry-on baggage

On flights operated by Air Canada, Air Canada Rouge or Air Canada Express, you may carry with you in the cabin 1 standard item (max. size: 23 x 40 x 55 cm [9 x 15.5 x 21.5 in]) and 1 personal item (max. size: 16 x 33 x 43 cm [6 x 13 x 17 in]). Your carry-on baggage must be light enough that you can store it in the overhead bin unassisted. See our complete carry-on baggage policy.

Checked baggage

Please see below for details on the bags you plan on checking at the baggage counter.

Toronto(YYZ)-Vancouver(YVR)

1st bag
Complimentary

2nd bag
CA $56.50
Including taxes

Max. weight per bag:
23 kg (50 lb)

Max. dimensions per bag:
158 cm (62 in)

* For travel within Canada or between Canada and the United States, a Canadian tax of $3.00 CAD may apply to baggage fees. For travel between Canada or the United States and Mexico, the Dominican Republic and Barbados, an applicable local sales tax of $4.00 CAD may apply to baggage fees. For all other itineraries to/from Mexico, the Dominican Republic and Barbados as well as itineraries to/from South America, an applicable local sales tax of $21.00 CAD may apply to baggage fees. All above tax amounts are based on the maximum applicable tax amounts per itinerary type. Actual amounts may vary and will be charged in the currency used in your departure airport. Tax amounts are subject to change without notice by local government.

Note: If you **exceed your baggage allowance** (in number, size and/or weight), additional checked baggage charges will apply. The policy and fees will be those of the carrier identified in the checked baggage information section.

- View Air Canada's additional checked baggage policy.
- View the additional checked baggage policy of Air Canada's codeshare and interline partners.

Currency

Fee amounts are displayed in the currency of the point of sale you have selected. On the day of travel, applicable fees will be assessed in the local currency of the country/region you are travelling from. Certain exceptions may apply where the departure airport does not charge in local currency. The currency exchange rate will be determined by the date of travel.

Stopovers

Checked baggage fees may be reassessed when itineraries include an enroute stopover of more than 24 hours.

Mobility aids

Air Canada waives its limits of liability for substantiated claims for loss, damage or delay of mobility aids, when such items have been accepted as checked baggage. For more information, please consult our accessibility services hub and our conditions of carriage and tariffs

Changes and cancellations

Please notify us immediately if you do not plan on taking your scheduled flight(s). If you are unable to change or cancel your booking online, you can reach Air Canada Reservations at 1-888-247-2262 (view international and other numbers). If you do not show up for your flight, the rest of your itinerary will automatically be cancelled.

Air Passenger Protection Regulations Notice:

If you are denied boarding, your flight is cancelled or delayed for at least three hours, or your baggage is lost or damaged, you may be entitled to certain standards of treatment and compensation under the Air Passenger Protection Regulation. For more information about your passenger rights please contact your air carrier or visit the Canadian Transportation Agency's website.

General terms and conditions pertaining to flight delays, cancellations, denied boarding, seating of children and lost or damaged baggage can be found in Air Canada's General Conditions of Carriage and Tariffs.

Canada, U.S.: 1 (888) 247-2262
Other numbers

AIR CANADA
A STAR ALLIANCE MEMBER
MEMBRE DU RÉSEAU STAR ALLIANCE

Air Canada applies travel document and animal entry and exit requirements contained in IATA's Travel Information Manual, available on the IATA Travel Centre website.

To ensure delivery to your inbox, please add confirmation@aircanada.ca to your address book's safe sender list. This service email was sent to you because you purchased an Air Canada flight. It provides important flight information that must be communicated to you. This service email is not a promotional email. Please do not reply to this email as this inbox is not monitored. If you have questions, please visit aircanada.com.

Your privacy is important to us. To learn how Air Canada collects, uses and protects the personal information you provide, please view our Privacy Policy.

Air Canada, P.O. Box 64239, RPO Thomcliffe, Calgary Alberta - T2K 6J7

AIR CANADA

Booking Confirmation

Booking reference

42NMQO

Travel booked/ticket issued on: 8 Sep, 2023

Select Seats >

eUpgrade >

Manage my booking >

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Sarah Frances Reese

Ticket#: 0142179834488

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YYZ-YVR 36K

Depart • Sun 17 Sep, 2023

Economy - Flex

Toronto YYZ

08:30

Toronto-Pearson Int.

Vancouver YVR

10:30

Vancouver Int.

AC 105

5hr

Cabin : Economy Class (S)

Operated by Air Canada

Boeing 777-300ER

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Purchase summary

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1st bag
Complimentary

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Including taxes

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Max. dimensions per bag:
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Currency

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Canada, U.S.: 1 (888) 247-2262
Other numbers

AIR CANADA
A STAR ALLIANCE MEMBER
MEMBRE DU RÉSEAU STAR ALLIANCE

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To ensure delivery to your inbox, please add confirmation@aircanada.ca to your address book's safe sender list. This service email was sent to you because you purchased an Air Canada flight. It provides important flight information that must be communicated to you. This service email is not a promotional email. Please do not reply to this email as this inbox is not monitored. If you have questions, please visit aircanada.com.

Your privacy is important to us. To learn how Air Canada collects, uses and protects the personal information you provide, please view our Privacy Policy.

Air Canada, P.O. Box 64239, RPO Thomcliffe, Calgary Alberta - T2K 6J7

Gmail **Sarah Reese <sarahreese190@gmail.com>**

Air North, Yukon's Airline-Confirmation 23388221

1 message

confirmation@flyairnorth.com <confirmation@flyairnorth.com> Fri, Sep 8, 2023 at 3:20 PM
Reply-To: confirmation@flyairnorth.com
To: SARAHREESE190@gmail.com

Your Air North, Yukon's Airline Itinerary

Thank you for booking with us!

Your itinerary number is **23388221**.

Passenger ID Number: HD9ETCL6
Address: 3-91 HYLAND DR SUDBURY, ON P3E1R7 CAN
Booked: September 08, 2023
Booked By: HOLOSKOM

Sunday September 17, 2023 › Flight 4N554 - Vancouver to Whitehorse

Departs 1:50PM › Arrives 4:15PM › Stops 0 › Boeing 737

SARAH FRANCES REESE

Confirmed

Warning

While we do everything possible to provide the most accurate flight status information, please verify your flight's status at least 24 hours prior to departure at www.flyairnorth.com.Air North, Yukon's Airline is not liable for non-delivery of flight schedule change messaging.

Purchase Summary

Total Fare	52.17
Carrier Surcharge	30.00
Air Travellers Security Charge	7.12
Airport Improvement Fee	5.00
Canada Goods and Service Tax #850279555	4.71
Itinerary Total	CDN 99.00
Payment	CRED:VISA
Credit Card Applied	CDN 99.00
Cardholder Name	
Credit Card Number	1052
Authorization Number	001985

Questions, comments or concerns?

Please do not reply to this email as it was issued by an automated message system. If you have received this message in error, please call Air North, Yukon's Airline at one of the numbers below.

How to contact us

- Toll-free (in North America): 1.800.661.0407 ext. 1
- (867) 668.2228 ext. 1
- Via www.flyairnorth.com
- For Covid-19 travel updates, visit www.flyairnorth.com/TravelInfo/TravelAdvisories.aspx

Rules and Conditions

Updated March 2020

Identification, Check-in & Boarding Information

- **For Domestic Flights** — Check-in a minimum of 90 minutes prior to scheduled departure. Although we will do our best to assist, passengers checking in/dropping off baggage less than 45 minutes prior to the scheduled departure will be denied boarding. It is the passengers responsibility to be through security & present at the boarding gate no later than 15 minutes prior to the scheduled departure time. Valid government-issued identification featuring clear and identifiable photo of passenger and including name, date of birth and gender is required for all passengers.
- **For Trans-Border Flights** — Check -in a minimum of 90 minutes prior to scheduled departure. Although we will do our best to assist, passengers arriving less than 45 minutes prior to the scheduled departure boarding will be denied. Valid government-issued identification featuring clear and identifiable photo of passenger and including name, date of birth and gender is required for all passengers.
- All security restrictions are subject to change. For up to date information on these or other Government of Canada security requirements visit www.tc.gc.ca or www.catsaacsta.gc.ca.

Check-in Locations

- **Whitehorse** — Erik Nielsen Whitehorse International Airport
- **Vancouver** — Vancouver International Airport — Domestic Terminal, Departures Level, Line 12
- **Calgary** — Calgary International Airport — Domestic Terminal, Departures Level
- **Edmonton** — Edmonton International Airport — Domestic Terminal, Departure Level, South Check-in, Lines 32 & 33

Fare Change & Cancellation Policies

- Changes or cancellations may be made up to two hours prior to departure time.
- Changes are subject to any difference in fare and may be subject to applicable change fees and taxes.
- Cancellations may be subject to a fee, depending on the fare being cancelled. All monies paid to Air North, Yukon's Airline in the form of fares, fees, taxes, and surcharges are non-refundable, but may be credited to an Air North credit file.
- Air North credit files expire one year from the date of purchase. Credits are fully transferable. Credits may not be available for use on select Air North Packages or Air Passes.
- Promotional fares may have additional fare rules specified at time of booking; for example, Air North Packages and Getaways.
- Failure to show for a flight may result in 100% forfeit of fare and all fees, surcharges and taxes, depending on the applicable rules and conditions associated with the fare.
- Seat selection options when travelling with children requiring a seat who are under the age of 12 include:
  1) Paying for seat selection during booking.
  2) When flying with children under 12, you can call Air North Reservations at 1.800.661.0407 for complimentary seat selection after completing your booking.
  3) Air North will do our best to seat children under the age of 12 with an accompanying adult(s).

Baggage Limits

- The combined weight of all baggage per passenger is limited, available space varies from one aircraft type to another. For complete details on our baggage allowance, please visit https://www.flyairnorth.com/flights/baggage-carry .
- Overweight baggage and excess pieces are not guaranteed to travel on the same flight as the passenger due to space and weight limitations, and will be shipped on the next flight available. Passengers wishing to guarantee overweight baggage or excess pieces should contact Air North Cargo for priority freight. Any single item in excess of 32kg, or 70lb, must be shipped as cargo and cargo rates will apply. A maximum of four bags per passenger, including excess baggage, is permitted.

Rules of Carriage & Baggage

- Carriage is subject to the applicable tariffs, conditions of carriage and related regulations.
- Passengers are advised to check all baggage, as there is limited space available in the cabin.

Fees, Taxes and Surcharges

Flights within Canada

All fees, taxes and surcharges are collected by Air North, Yukon's Airline at the time of booking including

- Fuel Surcharge (Q)
- Air Traveller's Security Charge (ATSC)
- Airport Improvement Fees (AIF). Fee varies depending on airport
- Canada Goods and Service Tax (GST), collected on all airfares and services provided in Canada.
- Harmonized Sale Tax (HST) where applicable

Canadian Air Passenger Protection Regulations

If you are denied boarding, your flight is cancelled or delayed at least two hours*, or if your baggage is lost or damaged, you may be entitled to certain standards of treatment and compensation under the Air Passenger Protection Regulations.

*Certain standards of treatment and compensation for flight delays and cancellations will apply as of December 15, 2019.

For more information about your passenger rights, please review our Domestic Tariff online at https://www.flyairnorth.com/More/Tariff.aspx or visit the Canadian Transportation Agency's website.

Thank you again for choosing Air North, Yukon's Airline!

AIR CANADA

Booking Confirmation

Booking Reference: **4JFLEI**

Date of issue: 11 Sep, 2023

This is your official itinerary/receipt. You must bring it with you to the airport for check-in and we recommend you keep a copy for your records. Please also take the time to review it as it contains the general conditions of carriage and applicable tariffs that apply to the tickets, bookings and air services detailed below, as well as baggage, dangerous goods and other important information related to your trip.

Data Protection Notice: Your personal data will be processed in accordance with the applicable carrier's privacy policy and, if your booking is made via a reservation system provider ("GDS"), with its privacy policy. These are available at the IATA Travel Centre website or from the carrier or GDS directly. You should read this documentation, which applies to your booking and specifies, for example, how your personal data is collected, stored, used, disclosed and transferred. We also invite you to view Air Canada's Privacy Policy directly.

Ensure you are in compliance with the entry requirements of your destination. For the latest information on entry requirements, our flexible booking policy, or our health and safety measures visit our Travel Ready hub.

Depart

Economy - Flex

Tuesday 26 Sep, 2023	16:05 **Whitehorse** (YXY), Yukon		18:21 **Vancouver** Vancouver Int. (YVR), Terminal M	AC8102	**2hr16** Cabin : Economy Class (M) Operated by: Air Canada Express - Jazz | CRJ900 | Wi-Fi Food for purchase on board
Tuesday 26 Sep, 2023	21:40 **Vancouver** Vancouver Int. (YVR), Terminal M		05:02 + 1 day **Toronto** Toronto-Pearson Int. (YYZ), Terminal 1	AC126	**4hr22** Cabin : Economy Class (M) Operated by: Air Canada | 787-9 | Wi-Fi Food for purchase on board

Passengers

Sarah Frances Reese

Ticket number
0142178525284

Seats

AC8102	24F
AC126	40A

Purchase summary

Visa

**********1052
Amount paid: $1137.28

	1 adult
Flights	
Air transportation charges	
Base fare Economy - Flex	1046.00
Carrier surcharges	30.00
Taxes, fees and charges	
Air Travellers Security Charge - Canada	7.12
Goods and Services Tax - Canada - 100092287 RT0001	54.16
Total before options (per passenger)	$1137.28
GRAND TOTAL (Canadian dollars)	$1137.28

Check-in and boarding gate deadlines

Within Canada

90 minutes

When to arrive at the airport
You should arrive no later than the time indicated at left. This will ensure you have plenty of time to check in, drop off your checked bags and pass through security.

45 minutes[1]

Check-in and baggage drop-off deadline
You must have checked in, obtained your boarding pass and deposited all checked bags at the baggage drop-off counter before the end of the check-in period for your flight.

30 minutes

Boarding gate deadline
This is the latest you should be at the departure gate, ready for boarding.

15 minutes

Boarding gate closes
Arriving after this time will result in reassignment of any reserved seats, the cancellation of reservations, and/or ineligibility for denied boarding compensation.

From Toronto City Airport (YTZ) - Check-in and baggage drop-off deadline: 20 minutes.

Baggage allowance

Carry-on baggage

On flights operated by Air Canada, Air Canada Rouge or Air Canada Express, you may carry with you in the cabin 1 standard item (max. size: 23 x 40 x 55 cm [9 x 15.5 x 21.5 in]) and 1 personal item (max. size: 16 x 33 x 43 cm [6 x 13 x 17 in]). Your carry-on baggage must be light enough that you can store it in the overhead bin unassisted. See our complete carry-on baggage policy.

Checked baggage

Please see below for details on the bags you plan on checking at the baggage counter.

Whitehorse (YXY) > Toronto (YYZ)

1st bag	2nd bag	
Complimentary	$ 52.50 CAD Including taxes	Max. weight per bag: 23 kg (50 lb) Max. dimensions per bag: 158 cm (62 in)

* For travel within Canada or between Canada and the United States, a Canadian tax of $3.00 CAD may apply to baggage fees. For travel between Canada or the United States and Mexico, the Dominican Republic and Barbados, an applicable local sales tax of $4.00 CAD may apply to baggage fees. For all other itineraries to/from Mexico, the Dominican Republic and Barbados as well as itineraries to/from South America, an applicable local sales tax of $21.00 CAD may apply to baggage fees. All above tax amounts are based on the maximum applicable tax amounts per itinerary type. Actual amounts may vary and will be charged in the currency used in your departure airport. Tax amounts are subject to change without notice by local government.

Currency

Fee amounts are displayed in the currency of the first departure city on your ticket. On the day of travel, applicable fees will be assessed in the local currency of the country/region you are travelling from. Certain exceptions may apply where the departure airport does not charge in local currency. The currency exchange rate will be determined by the date of travel.

Stopovers

Checked baggage fees may be reassessed when itineraries include an enroute stopover of more than 24 hours.

Note: If you **exceed your baggage allowance** (in number, size and/or weight), additional checked baggage charges will apply. The policy and fees will be those of the carrier identified in the checked baggage information section.

- View Air Canada's additional checked baggage policy.
- View the additional checked baggage policy of Air Canada's codeshare and interline partners.

Fare Rules

Economy - Flex

Changes

Departing flight

- **Before departure of first flight**
  - Ticket reissue is allowed but may be subject to certain restrictions. Please refer to the link above for complete fare rules.
  - Changes are permitted without a fee, subject to availability. Any taxes and fare difference may apply.
  - New travel dates must be prior to **Wednesday, 11 Sep, 2024**
  - The maximum change fee applied is **$0 CAD** per direction, per passenger, plus any applicable taxes and fare difference. Child/Infant discounts may apply.
- **After departure of first flight**
  - Ticket reissue is allowed but may be subject to certain restrictions. Please refer to the link above for complete fare rules.
  - Changes are permitted without a fee, subject to availability. Any taxes and fare difference may apply.
  - New travel dates must be prior to **Thursday, 26 Sep, 2024**
  - The maximum change fee applied is **$0 CAD** per direction, per passenger, plus any applicable taxes and fare difference. Child/Infant discounts may apply.
- Flights can only be used in sequence from the place of departure specified on the itinerary.
- Failure to show up for your flight (No Show) may result in a penalty. Please see the complete fare rules for details.

Cancellations

- Tickets are **non-refundable** and are **non-transferable**.
- **Partially used tickets** may be submitted for a refund assessment. The refund will be calculated as follows: Actual fare paid minus the value of the portion of the journey that has been flown and minus the applicable fee.
- **Cancellations** can be made up to 45 minutes prior to departure. **Exception**: Aeroplan flight rewards must be cancelled no later than 2 hours before departure.
- Find out more about Air Canada's refund services.

Minimum stay

- There is no maximum or minimum day stay associated with this fare.

Maximum stay

- There is no maximum or minimum day stay associated with this fare.

Aeroplan

- 100% Aeroplan points
- The equivalent in Status Qualifying Miles
- For all flights operated by Air Canada, Air Canada Express and Air Canada Rouge

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Disclaimer: The fare rules displayed above are for adult passengers only. Different rules may apply for children and infant passengers.

General conditions of carriage

1. You must obtain your boarding pass and check in any baggage by the check-in deadline. Additionally, you must be available for boarding at the boarding gate by the boarding gate deadline. Failure to respect check-in and boarding gate deadlines may result in the reassignment of any pre-reserved seats, the cancellation of reservations, and/or ineligibility for denied boarding compensation.

2. Although reconfirmation of flights is not required, we strongly recommend that you check your flight status online at aircanada.com or by calling our flight information system at 1-888-422-7533 prior to your departure.

3. Advance seat assignments are not guaranteed and may change without notice. If your pre-assigned seat is unavailable, we will try to accommodate you in a comparable seat in the same class of service and will refund any applicable fees.

4. Any travel credit banked for unused tickets is non-transferable: when the credit is redeemed, it must be used by the same person whose name appears on the original ticket.

5. Air Canada will cancel any purchased ticket and provide a full refund without penalty up to 24 hours after purchase. Beyond 24 hours, voluntary changes to your itinerary may require the payment of additional fees and fare upgrades. If you are travelling on a non-refundable ticket, Air Canada will be unable to make exceptions in the event of an unexpected trip cancellation or medical emergency. We recommend the purchase of travel insurance.

6. **Dangerous goods**

   For safety reasons, dangerous goods must not be packed in checked or carry-on baggage, except as specifically permitted. Dangerous goods include, but are not limited to: compressed gases, corrosives, explosives, flammable liquids and solids, radioactive materials, oxidizing materials, poisons, infectious substances, and briefcases with installed alarm devices. For security reasons, other restrictions may apply. Please refer to the Restricted and Prohibited Items page on our website for more information.

7. Subject to the provisions of the Montreal Convention and the Warsaw Convention, as well as the provisions of its applicable tariffs, Air Canada may refuse carriage of property in checked luggage that is not suitable for transportation, such as fragile or perishable items and may refuse to carry valuable items (a valuable is deemed to be any item whose value is $ 1,000 CAD or more, per Kilogram or $1 CAD per gram). Air Canada may refuse claims based on the inherent nature of an item (e.g. its perishable nature), or for loss or delay of unsuitably or inadequately packed items, to the extent that the destruction, loss or damages resulted from the inherent defect, quality or vice of the baggage, or, in the case of delay, that the carrier, its agents, and servants took all measures that could reasonably be required to avoid the damage, or that it was impossible to take such measures.

8. **International travel**

   Governments may require your carrier to provide information on or permit access to passenger data. You cannot travel if you do not have all required travel documents, such as a passport and visa (where applicable), to enter in or transit through each country/region on your itinerary. Please refer to the Travel Documents page on our website for more information.

9. **In-flight health**

   Most people are fit to travel by air, but special attention is required for passengers whose health problems may be exacerbated by altitude, travel stress, hypoxia and other travel related difficulties. Our website offers important health tips and information for customers with special needs who may require medical approval before flying.

   Please also note that aircraft disinsection is carried out on certain routes, in compliance with the requirements of the World Health Organization (WHO), the International Civil Aviation Organization, Transport Canada and applicable foreign regulatory authorities. More information is available on our website.

10. **Schedules and timetables**

    Time and aircraft type shown in timetables or elsewhere are approximate and not guaranteed, and form no part of the contract. Schedules are subject to change without notice and carrier assumes no responsibility for passenger making connections not included as part of the itinerary set out in the ticket. Carrier is not responsible for changes, errors or omissions either in timetables or other representations of schedules.

11. **Overbooking notice**

    Airline flights may be overbooked, and there is a slight chance that a seat will not be available on a flight for which a person has a confirmed reservation. If the flight is overbooked, no one will be denied a seat until airline personnel first ask for volunteers willing to give up their reservation in exchange for a payment of the airline's choosing. If there are not enough volunteers, the airline will deny boarding to other persons in accordance with its particular boarding priority. With few exceptions, persons denied boarding involuntarily are entitled to compensation. The complete rules for the payment of compensation and boarding priorities are available at all airport ticket counters and boarding locations.

NOTICE - SOLD SUBJECT TO APPLICABLE TARIFFS

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AIR CANADA

Booking Confirmation

Booking Reference: **4JFLEI**

Date of issue: 11 Sep, 2023

This is your official itinerary/receipt. You must bring it with you to the airport for check-in and we recommend you keep a copy for your records. Please also take the time to review it as it contains the general conditions of carriage and applicable tariffs that apply to the tickets, bookings and air services detailed below, as well as baggage, dangerous goods and other important information related to your trip.

Data Protection Notice: Your personal data will be processed in accordance with the applicable carrier's privacy policy and, if your booking is made via a reservation system provider ("GDS"), with its privacy policy. These are available at the IATA Travel Centre website or from the carrier or GDS directly. You should read this documentation, which applies to your booking and specifies, for example, how your personal data is collected, stored, used, disclosed and transferred. We also invite you to view Air Canada's Privacy Policy directly.

Ensure you are in compliance with the entry requirements of your destination. For the latest information on entry requirements, our flexible booking policy, or our health and safety measures visit our Travel Ready hub.

Depart

Economy - Comfort

Sunday 24 Sep, 2023	16:05 **Whitehorse** (YXY), Yukon		18:21 **Vancouver** Vancouver Int. (YVR), Terminal M	AC8102	**2hr16** Cabin : Economy Class (W) Operated by: Air Canada Express - Jazz | CRJ900 | Wi-Fi Food for purchase on board, Meal
Sunday 24 Sep, 2023	22:30 **Vancouver** Vancouver Int. (YVR), Terminal M		05:52 + 1 day **Toronto** Toronto-Pearson Int. (YYZ), Terminal 1	AC188	**4hr22** Cabin : Economy Class (W) Operated by: Air Canada | 737 MAX 8 Food for purchase on board, Breakfast

Passengers

Sarah Frances Reese

Ticket number
0142180629142

Air Canada - Aeroplan
952566628

Seats

AC8102	18F
AC188	24F

Purchase summary

Your additional charges	1 adult
Air transportation charges	
Base fare	0.00
Taxes, fees and charges	
Air Travellers Security Charge - Canada	7.13
Airport Improvement Fee - Canada	25.00
Goods and Services Tax - Canada - 100092287 RT0001	1.60
Subtotal	**33.73**
Change Fee	0.00
Sarah Frances Reese (ADT)	0.00
Taxes, fees and charges	
Subtotal	**0.00**
Travel Options	0.00
Seat selection	0.00
TOTAL CHARGES	**$33.73**

Check-in and boarding gate deadlines

Within Canada

90 minutes

When to arrive at the airport
You should arrive no later than the time indicated at left. This will ensure you have plenty of time to check in, drop off your checked bags and pass through security.

45 minutes[1]

Check-in and baggage drop-off deadline
You must have checked in, obtained your boarding pass and deposited all checked bags at the baggage drop-off counter before the end of the check-in period for your flight.

30 minutes

Boarding gate deadline
This is the latest you should be at the departure gate, ready for boarding.

15 minutes

Boarding gate closes
Arriving after this time will result in reassignment of any reserved seats, the cancellation of reservations, and/or ineligibility for denied boarding compensation.

From Toronto City Airport (YTZ) - Check-in and baggage drop-off deadline: 20 minutes.

Baggage allowance

Carry-on baggage

On flights operated by Air Canada, Air Canada Rouge or Air Canada Express, you may carry with you in the cabin 1 standard item (max. size: 23 x 40 x 55 cm [9 x 15.5 x 21.5 in]) and 1 personal item (max. size: 16 x 33 x 43 cm [6 x 13 x 17 in]). Your carry-on baggage must be light enough that you can store it in the overhead bin unassisted. See our complete carry-on baggage policy.

Checked baggage

Please see below for details on the bags you plan on checking at the baggage counter.

Whitehorse (YXY) > Toronto (YYZ)

1st bag	2nd bag	
Complimentary	$ 52.50 CAD Including taxes	Max. weight per bag: 23 kg (50 lb) Max. dimensions per bag: 158 cm (62 in)

* For travel within Canada or between Canada and the United States, a Canadian tax of $3.00 CAD may apply to baggage fees. For travel between Canada or the United States and Mexico, the Dominican Republic and Barbados, an applicable local sales tax of $4.00 CAD may apply to baggage fees. For all other itineraries to/from Mexico, the Dominican Republic and Barbados as well as itineraries to/from South America, an applicable local sales tax of $21.00 CAD may apply to baggage fees. All above tax amounts are based on the maximum applicable tax amounts per itinerary type. Actual amounts may vary and will be charged in the currency used in your departure airport. Tax amounts are subject to change without notice by local government.

Currency

Fee amounts are displayed in the currency of the first departure city on your ticket. On the day of travel, applicable fees will be assessed in the local currency of the country/region you are travelling from. Certain exceptions may apply where the departure airport does not charge in local currency. The currency exchange rate will be determined by the date of travel.

Stopovers

Checked baggage fees may be reassessed when itineraries include an enroute stopover of more than 24 hours.

Note: If you **exceed your baggage allowance** (in number, size and/or weight), additional checked baggage charges will apply. The policy and fees will be those of the carrier identified in the checked baggage information section.

- View Air Canada's additional checked baggage policy.
- View the additional checked baggage policy of Air Canada's codeshare and interline partners.

Fare Rules

Economy - Comfort

Changes

Departing flight

- **Before departure of first flight**
  - Ticket reissue is allowed but may be subject to certain restrictions. Please refer to the link above for complete fare rules.
  - Changes are permitted without a fee, subject to availability. Any taxes and fare difference may apply.
  - New travel dates must be prior to **Saturday, 21 Sep, 2024**
  - The maximum change fee applied is **$0 CAD** per direction, per passenger, plus any applicable taxes and fare difference. Child/Infant discounts may apply.
- **After departure of first flight**
  - Ticket reissue is allowed but may be subject to certain restrictions. Please refer to the link above for complete fare rules.
  - Changes are permitted without a fee, subject to availability. Any taxes and fare difference may apply.
  - New travel dates must be prior to **Tuesday, 24 Sep, 2024**
  - The maximum change fee applied is **$0 CAD** per direction, per passenger, plus any applicable taxes and fare difference. Child/Infant discounts may apply.
- Flights can only be used in sequence from the place of departure specified on the itinerary.
- Failure to show up for your flight (No Show) may result in a penalty. Please see the complete fare rules for details.

Cancellations

- Tickets are **fully refundable** but are **non-transferable**.
- **Partially used tickets** may be submitted for a refund assessment. The refund will be calculated as follows: Actual fare paid minus the value of the portion of the journey that has been flown and minus the applicable fee.
- **Flights can be cancelled** up to 45 minutes before departure by going to the 'My bookings' tab of our homepage. **Exception**: Aeroplan flight rewards must be cancelled no later than 2 hours before departure.
- Find out more about Air Canada's refund services.

Minimum stay

- There is no maximum or minimum day stay associated with this fare.

Maximum stay

- There is no maximum or minimum day stay associated with this fare.

Aeroplan

See how many Aeroplan points you will earn on your Air Canada operated flight based on your fare type and Aeroplan Elite Status.

Please notify us immediately if you do not plan on taking your scheduled flight(s). If you are unable to change or cancel your booking online, you can reach Air Canada Reservations at 1-888-247-2262 (view international and other numbers). If you do not show up for your flight, the rest of your itinerary will automatically be cancelled.

Disclaimer: The fare rules displayed above are for adult passengers only. Different rules may apply for children and infant passengers.

General conditions of carriage

1. You must obtain your boarding pass and check in any baggage by the check-in deadline. Additionally, you must be available for boarding at the boarding gate by the boarding gate deadline. Failure to respect check-in and boarding gate deadlines may result in the reassignment of any pre-reserved seats, the cancellation of reservations, and/or ineligibility for denied boarding compensation.

2. Although reconfirmation of flights is not required, we strongly recommend that you check your flight status online at aircanada.com or by calling our flight information system at 1-888-422-7533 prior to your departure.

3. Advance seat assignments are not guaranteed and may change without notice. If your pre-assigned seat is unavailable, we will try to accommodate you in a comparable seat in the same class of service and will refund any applicable fees.

4. Any travel credit banked for unused tickets is non-transferable: when the credit is redeemed, it must be used by the same person whose name appears on the original ticket.

5. Air Canada will cancel any purchased ticket and provide a full refund without penalty up to 24 hours after purchase. Beyond 24 hours, voluntary changes to your itinerary may require the payment of additional fees and fare upgrades. If you are travelling on a non-refundable ticket, Air Canada will be unable to make exceptions in the event of an unexpected trip cancellation or medical emergency. We recommend the purchase of travel insurance.

6. **Dangerous goods**

   For safety reasons, dangerous goods must not be packed in checked or carry-on baggage, except as specifically permitted. Dangerous goods include, but are not limited to: compressed gases, corrosives, explosives, flammable liquids and solids, radioactive materials, oxidizing materials, poisons, infectious substances, and briefcases with installed alarm devices. For security reasons, other restrictions may apply. Please refer to the Restricted and Prohibited Items page on our website for more information.

7. Subject to the provisions of the Montreal Convention and the Warsaw Convention, as well as the provisions of its applicable tariffs, Air Canada may refuse carriage of property in checked luggage that is not suitable for transportation, such as fragile or perishable items and may refuse to carry valuable items (a valuable is deemed to be any item whose value is $ 1,000 CAD or more, per Kilogram or $1 CAD per gram). Air Canada may refuse claims based on the inherent nature of an item (e.g. its perishable nature), or for loss or delay of unsuitably or inadequately packed items, to the extent that the destruction, loss or damages resulted from the inherent defect, quality or vice of the baggage, or, in the case of delay, that the carrier, its agents, and servants took all measures that could reasonably be required to avoid the damage, or that it was impossible to take such measures.

8. **International travel**

   Governments may require your carrier to provide information on or permit access to passenger data. You cannot travel if you do not have all required travel documents, such as a passport and visa (where applicable), to enter in or transit through each country/region on your itinerary. Please refer to the Travel Documents page on our website for more information.

9. **In-flight health**

   Most people are fit to travel by air, but special attention is required for passengers whose health problems may be exacerbated by altitude, travel stress, hypoxia and other travel related difficulties. Our website offers important health tips and information for customers with special needs who may require medical approval before flying.

   Please also note that aircraft disinsection is carried out on certain routes, in compliance with the requirements of the World Health Organization (WHO), the International Civil Aviation Organization, Transport Canada and applicable foreign regulatory authorities. More information is available on our website.

10. **Schedules and timetables**

    Time and aircraft type shown in timetables or elsewhere are approximate and not guaranteed, and form no part of the contract. Schedules are subject to change without notice and carrier assumes no responsibility for passenger making connections not included as part of the itinerary set out in the ticket. Carrier is not responsible for changes, errors or omissions either in timetables or other representations of schedules.

11. **Overbooking notice**

    Airline flights may be overbooked, and there is a slight chance that a seat will not be available on a flight for which a person has a confirmed reservation. If the flight is overbooked, no one will be denied a seat until airline personnel first ask for volunteers willing to give up their reservation in exchange for a payment of the airline's choosing. If there are not enough volunteers, the airline will deny boarding to other persons in accordance with its particular boarding priority. With few exceptions, persons denied boarding involuntarily are entitled to compensation. The complete rules for the payment of compensation and boarding priorities are available at all airport ticket counters and boarding locations.

NOTICE - SOLD SUBJECT TO APPLICABLE TARIFFS

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AIR CANADA

Booking Confirmation

Booking Reference: **4JFLEI**

Date of issue: 11 Sep, 2023

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Data Protection Notice: Your personal data will be processed in accordance with the applicable carrier's privacy policy and, if your booking is made via a reservation system provider ("GDS"), with its privacy policy. These are available at the IATA Travel Centre website or from the carrier or GDS directly. You should read this documentation, which applies to your booking and specifies, for example, how your personal data is collected, stored, used, disclosed and transferred. We also invite you to view Air Canada's Privacy Policy directly.

Ensure you are in compliance with the entry requirements of your destination. For the latest information on entry requirements, our flexible booking policy, or our health and safety measures visit our Travel Ready hub.

Depart

Economy - Flex

Tuesday 26 Sep, 2023	16:05 **Whitehorse** (YXY), Yukon		18:21 **Vancouver** Vancouver Int. (YVR), Terminal M	AC8102	**2hr16** Cabin : Economy Class (M) Operated by: Air Canada Express - Jazz | CRJ900 | Wi-Fi Food for purchase on board
Tuesday 26 Sep, 2023	21:40 **Vancouver** Vancouver Int. (YVR), Terminal M		05:02 + 1 day **Toronto** Toronto-Pearson Int. (YYZ), Terminal 1	AC126	**4hr22** Cabin : Economy Class (M) Operated by: Air Canada | 787-9 | Wi-Fi Food for purchase on board

Passengers

Sarah Frances Reese

Ticket number
0142178525284

Air Canada - Aeroplan
952566628

Seats

AC8102	24F
AC126	40A

Check-in and boarding gate deadlines

Within Canada

90 minutes	**When to arrive at the airport** You should arrive no later than the time indicated at left. This will ensure you have plenty of time to check in, drop off your checked bags and pass through security.
45 minutes[1]	**Check-in and baggage drop-off deadline** You must have checked in, obtained your boarding pass and deposited all checked bags at the baggage drop-off counter before the end of the check-in period for your flight.
30 minutes	**Boarding gate deadline** This is the latest you should be at the departure gate, ready for boarding.
15 minutes	**Boarding gate closes** Arriving after this time will result in reassignment of any reserved seats, the cancellation of reservations, and/or ineligibility for denied boarding compensation.

From Toronto City Airport (YTZ) - Check-in and baggage drop-off deadline: 20 minutes.

Baggage allowance

Carry-on baggage

On flights operated by Air Canada, Air Canada Rouge or Air Canada Express, you may carry with you in the cabin 1 standard item (max. size: 23 x 40 x 55 cm [9 x 15.5 x 21.5 in]) and 1 personal item (max. size: 16 x 33 x 43 cm [6 x 13 x 17 in]). Your carry-on baggage must be light enough that you can store it in the overhead bin unassisted. See our complete carry-on baggage policy.

Checked baggage

Please see below for details on the bags you plan on checking at the baggage counter.

Whitehorse (YXY) > Toronto (YYZ)

1st bag	2nd bag	
Complimentary	$ 52.50 CAD Including taxes	Max. weight per bag: 23 kg (50 lb) Max. dimensions per bag: 158 cm (62 in)

* For travel within Canada or between Canada and the United States, a Canadian tax of $3.00 CAD may apply to baggage fees. For travel between Canada or the United States and Mexico, the Dominican Republic and Barbados, an applicable local sales tax of $4.00 CAD may apply to baggage fees. For all other itineraries to/from Mexico, the Dominican Republic and Barbados as well as itineraries to/from South America, an applicable local sales tax of $21.00 CAD may apply to baggage fees. All above tax amounts are based on the maximum applicable tax amounts per itinerary type. Actual amounts may vary and will be charged in the currency used in your departure airport. Tax amounts are subject to change without notice by local government.

Currency

Fee amounts are displayed in the currency of the first departure city on your ticket. On the day of travel, applicable fees will be assessed in the local currency of the country/region you are travelling from. Certain exceptions may apply where the departure airport does not charge in local currency. The currency exchange rate will be determined by the date of travel.

Stopovers

Checked baggage fees may be reassessed when itineraries include an enroute stopover of more than 24 hours.

Note: If you **exceed your baggage allowance** (in number, size and/or weight), additional checked baggage charges will apply. The policy and fees will be those of the carrier identified in the checked baggage information section.

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General conditions of carriage

1. You must obtain your boarding pass and check in any baggage by the check-in deadline. Additionally, you must be available for boarding at the boarding gate by the boarding gate deadline. Failure to respect check-in and boarding gate deadlines may result in the reassignment of any pre-reserved seats, the cancellation of reservations, and/or ineligibility for denied boarding compensation.

2. Although reconfirmation of flights is not required, we strongly recommend that you check your flight status online at aircanada.com or by calling our flight information system at 1-888-422-7533 prior to your departure.

3. Advance seat assignments are not guaranteed and may change without notice. If your pre-assigned seat is unavailable, we will try to accommodate you in a comparable seat in the same class of service and will refund any applicable fees.

4. Any travel credit banked for unused tickets is non-transferable: when the credit is redeemed, it must be used by the same person whose name appears on the original ticket.

5. Air Canada will cancel any purchased ticket and provide a full refund without penalty up to 24 hours after purchase. Beyond 24 hours, voluntary changes to your itinerary may require the payment of additional fees and fare upgrades. If you are travelling on a non-refundable ticket, Air Canada will be unable to make exceptions in the event of an unexpected trip cancellation or medical emergency. We recommend the purchase of travel insurance.

6. **Dangerous goods**

   For safety reasons, dangerous goods must not be packed in checked or carry-on baggage, except as specifically permitted. Dangerous goods include, but are not limited to: compressed gases, corrosives, explosives, flammable liquids and solids, radioactive materials, oxidizing materials, poisons, infectious substances, and briefcases with installed alarm devices. For security reasons, other restrictions may apply. Please refer to the Restricted and Prohibited Items page on our website for more information.

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8. **International travel**

   Governments may require your carrier to provide information on or permit access to passenger data. You cannot travel if you do not have all required travel documents, such as a passport and visa (where applicable), to enter in or transit through each country/region on your itinerary. Please refer to the Travel Documents page on our website for more information.

9. **In-flight health**

   Most people are fit to travel by air, but special attention is required for passengers whose health problems may be exacerbated by altitude, travel stress, hypoxia and other travel related difficulties. Our website offers important health tips and information for customers with special needs who may require medical approval before flying.

   Please also note that aircraft disinsection is carried out on certain routes, in compliance with the requirements of the World Health Organization (WHO), the International Civil Aviation Organization, Transport Canada and applicable foreign regulatory authorities. More information is available on our website.

10. **Schedules and timetables**

    Time and aircraft type shown in timetables or elsewhere are approximate and not guaranteed, and form no part of the contract. Schedules are subject to change without notice and carrier assumes no responsibility for passenger making connections not included as part of the itinerary set out in the ticket. Carrier is not responsible for changes, errors or omissions either in timetables or other representations of schedules.

11. **Overbooking notice**

    Airline flights may be overbooked, and there is a slight chance that a seat will not be available on a flight for which a person has a confirmed reservation. If the flight is overbooked, no one will be denied a seat until airline personnel first ask for volunteers willing to give up their reservation in exchange for a payment of the airline's choosing. If there are not enough volunteers, the airline will deny boarding to other persons in accordance with its particular boarding priority. With few exceptions, persons denied boarding involuntarily are entitled to compensation. The complete rules for the payment of compensation and boarding priorities are available at all airport ticket counters and boarding locations.

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General terms and conditions pertaining to flight delays, cancellations, denied boarding, seating of children and lost or damaged baggage can be found in Air Canada's General Conditions of Carriage and Tariffs.

AIR CANADA

Booking Confirmation

Booking Reference: **2X2324**

Date of issue: 04 Jul, 2023

This is your official itinerary/receipt. You must bring it with you to the airport for check-in and we recommend you keep a copy for your records. Please also take the time to review it as it contains the general conditions of carriage and applicable tariffs that apply to the tickets, bookings and air services detailed below, as well as baggage, dangerous goods and other important information related to your trip.

Data Protection Notice: Your personal data will be processed in accordance with the applicable carrier's privacy policy and, if your booking is made via a reservation system provider ("GDS"), with its privacy policy. These are available at the IATA Travel Centre website or from the carrier or GDS directly. You should read this documentation, which applies to your booking and specifies, for example, how your personal data is collected, stored, used, disclosed and transferred. We also invite you to view Air Canada's Privacy Policy directly.

Ensure you are in compliance with the entry requirements of your destination. For the latest information on entry requirements, our flexible booking policy, or our health and safety measures visit our Travel Ready hub.

Depart

Economy - Flex

Friday 28 Jul, 2023	16:05 **Whitehorse** (YXY), Yukon		18:22 **Vancouver** Vancouver Int. (YVR), Terminal M	AC8102	**2hr17** Cabin : Economy Class (S) Operated by: Air Canada Express - Jazz | CRJ900 | Wi-Fi Food for purchase on board
Friday 28 Jul, 2023	21:40 **Vancouver** Vancouver Int. (YVR), Terminal M		05:03 + 1 day **Toronto** Toronto-Pearson Int. (YYZ), Terminal 1	AC126	**4hr23** Cabin : Economy Class (S) Operated by: Air Canada | 787-9 | Wi-Fi Food for purchase on board

Passengers

Sarah Frances Reese

Ticket number
0142173107385

Seats

AC8102	18F
AC126	27K

Purchase summary

Visa

**********5094
Amount paid: $704.68

	1 adult
Flights	
Air transportation charges	
Base fare Economy - Flex	634.00
Carrier surcharges	30.00
Taxes, fees and charges	
Air Travellers Security Charge - Canada	7.12
Goods and Services Tax - Canada - 100092287 RT0001	33.56
Total before options (per passenger)	$704.68
GRAND TOTAL (Canadian dollars)	$704.68

Check-in and boarding gate deadlines

Within Canada

90 minutes

When to arrive at the airport
You should arrive no later than the time indicated at left. This will ensure you have plenty of time to check in, drop off your checked bags and pass through security.

45 minutes[1]

Check-in and baggage drop-off deadline
You must have checked in, obtained your boarding pass and deposited all checked bags at the baggage drop-off counter before the end of the check-in period for your flight.

30 minutes

Boarding gate deadline
This is the latest you should be at the departure gate, ready for boarding.

15 minutes

Boarding gate closes
Arriving after this time will result in reassignment of any reserved seats, the cancellation of reservations, and/or ineligibility for denied boarding compensation.

From Toronto City Airport (YTZ) - Check-in and baggage drop-off deadline: 20 minutes.

Baggage allowance

Carry-on baggage

On flights operated by Air Canada, Air Canada Rouge or Air Canada Express, you may carry with you in the cabin 1 standard item (max. size: 23 x 40 x 55 cm [9 x 15.5 x 21.5 in]) and 1 personal item (max. size: 16 x 33 x 43 cm [6 x 13 x 17 in]). Your carry-on baggage must be light enough that you can store it in the overhead bin unassisted. See our complete carry-on baggage policy.

Checked baggage

Please see below for details on the bags you plan on checking at the baggage counter.

Whitehorse (YXY) > Toronto (YYZ)

1st bag	2nd bag	
Complimentary	$ 52.50 CAD Including taxes	Max. weight per bag: 23 kg (50 lb) Max. dimensions per bag: 158 cm (62 in)

* For travel within Canada or between Canada and the United States, a Canadian tax of $3.00 CAD may apply to baggage fees. For travel between Canada or the United States and Mexico, the Dominican Republic and Barbados, an applicable local sales tax of $4.00 CAD may apply to baggage fees. For all other itineraries to/from Mexico, the Dominican Republic and Barbados as well as itineraries to/from South America, an applicable local sales tax of $21.00 CAD may apply to baggage fees. All above tax amounts are based on the maximum applicable tax amounts per itinerary type. Actual amounts may vary and will be charged in the currency used in your departure airport. Tax amounts are subject to change without notice by local government.

Currency

Fee amounts are displayed in the currency of the first departure city on your ticket. On the day of travel, applicable fees will be assessed in the local currency of the country/region you are travelling from. Certain exceptions may apply where the departure airport does not charge in local currency. The currency exchange rate will be determined by the date of travel.

Stopovers

Checked baggage fees may be reassessed when itineraries include an enroute stopover of more than 24 hours.

Note: If you **exceed your baggage allowance** (in number, size and/or weight), additional checked baggage charges will apply. The policy and fees will be those of the carrier identified in the checked baggage information section.

- View Air Canada's additional checked baggage policy.
- View the additional checked baggage policy of Air Canada's codeshare and interline partners.

Fare Rules

Economy - Flex

Changes

Departing flight

- **Before departure of first flight**
  - Ticket reissue is allowed but may be subject to certain restrictions. Please refer to the link above for complete fare rules.
  - Changes are permitted without a fee, subject to availability. Any taxes and fare difference may apply.
  - New travel dates must be prior to **Thursday, 04 Jul, 2024**
  - The maximum change fee applied is **$0 CAD** per direction, per passenger, plus any applicable taxes and fare difference. Child/Infant discounts may apply.
- **After departure of first flight**
  - Ticket reissue is allowed but may be subject to certain restrictions. Please refer to the link above for complete fare rules.
  - Changes are permitted without a fee, subject to availability. Any taxes and fare difference may apply.
  - New travel dates must be prior to **Sunday, 28 Jul, 2024**
  - The maximum change fee applied is **$0 CAD** per direction, per passenger, plus any applicable taxes and fare difference. Child/Infant discounts may apply.
- Flights can only be used in sequence from the place of departure specified on the itinerary.
- Failure to show up for your flight (No Show) may result in a penalty. Please see the complete fare rules for details.

Cancellations

- Tickets are **non-refundable** and are **non-transferable**.
- **Partially used tickets** may be submitted for a refund assessment. The refund will be calculated as follows: Actual fare paid minus the value of the portion of the journey that has been flown and minus the applicable fee.
- **Cancellations** can be made up to 45 minutes prior to departure. **Exception**: Aeroplan flight rewards must be cancelled no later than 2 hours before departure.
- Find out more about Air Canada's refund services.

Minimum stay

- There is no maximum or minimum day stay associated with this fare.

Maximum stay

- There is no maximum or minimum day stay associated with this fare.

Aeroplan

- 100% Aeroplan points
- The equivalent in Status Qualifying Miles
- For all flights operated by Air Canada, Air Canada Express and Air Canada Rouge

Please notify us immediately if you do not plan on taking your scheduled flight(s). If you are unable to change or cancel your booking online, you can reach Air Canada Reservations at 1-888-247-2262 (view international and other numbers). If you do not show up for your flight, the rest of your itinerary will automatically be cancelled.

Disclaimer: The fare rules displayed above are for adult passengers only. Different rules may apply for children and infant passengers.

General conditions of carriage

1. You must obtain your boarding pass and check in any baggage by the check-in deadline. Additionally, you must be available for boarding at the boarding gate by the boarding gate deadline. Failure to respect check-in and boarding gate deadlines may result in the reassignment of any pre-reserved seats, the cancellation of reservations, and/or ineligibility for denied boarding compensation.

2. Although reconfirmation of flights is not required, we strongly recommend that you check your flight status online at aircanada.com or by calling our flight information system at 1-888-422-7533 prior to your departure.

3. Advance seat assignments are not guaranteed and may change without notice. If your pre-assigned seat is unavailable, we will try to accommodate you in a comparable seat in the same class of service and will refund any applicable fees.

4. Any travel credit banked for unused tickets is non-transferable: when the credit is redeemed, it must be used by the same person whose name appears on the original ticket.

5. Air Canada will cancel any purchased ticket and provide a full refund without penalty up to 24 hours after purchase. Beyond 24 hours, voluntary changes to your itinerary may require the payment of additional fees and fare upgrades. If you are travelling on a non-refundable ticket, Air Canada will be unable to make exceptions in the event of an unexpected trip cancellation or medical emergency. We recommend the purchase of travel insurance.

6. **Dangerous goods**

   For safety reasons, dangerous goods must not be packed in checked or carry-on baggage, except as specifically permitted. Dangerous goods include, but are not limited to: compressed gases, corrosives, explosives, flammable liquids and solids, radioactive materials, oxidizing materials, poisons, infectious substances, and briefcases with installed alarm devices. For security reasons, other restrictions may apply. Please refer to the Restricted and Prohibited Items page on our website for more information.

7. Subject to the provisions of the Montreal Convention and the Warsaw Convention, as well as the provisions of its applicable tariffs, Air Canada may refuse carriage of property in checked luggage that is not suitable for transportation, such as fragile or perishable items and may refuse to carry valuable items (a valuable is deemed to be any item whose value is $ 1,000 CAD or more, per Kilogram or $1 CAD per gram). Air Canada may refuse claims based on the inherent nature of an item (e.g. its perishable nature), or for loss or delay of unsuitably or inadequately packed items, to the extent that the destruction, loss or damages resulted from the inherent defect, quality or vice of the baggage, or, in the case of delay, that the carrier, its agents, and servants took all measures that could reasonably be required to avoid the damage, or that it was impossible to take such measures.

8. **International travel**

   Governments may require your carrier to provide information on or permit access to passenger data. You cannot travel if you do not have all required travel documents, such as a passport and visa (where applicable), to enter in or transit through each country/region on your itinerary. Please refer to the Travel Documents page on our website for more information.

9. **In-flight health**

   Most people are fit to travel by air, but special attention is required for passengers whose health problems may be exacerbated by altitude, travel stress, hypoxia and other travel related difficulties. Our website offers important health tips and information for customers with special needs who may require medical approval before flying.

   Please also note that aircraft disinsection is carried out on certain routes, in compliance with the requirements of the World Health Organization (WHO), the International Civil Aviation Organization, Transport Canada and applicable foreign regulatory authorities. More information is available on our website.

10. **Schedules and timetables**

    Time and aircraft type shown in timetables or elsewhere are approximate and not guaranteed, and form no part of the contract. Schedules are subject to change without notice and carrier assumes no responsibility for passenger making connections not included as part of the itinerary set out in the ticket. Carrier is not responsible for changes, errors or omissions either in timetables or other representations of schedules.

11. **Overbooking notice**

    Airline flights may be overbooked, and there is a slight chance that a seat will not be available on a flight for which a person has a confirmed reservation. If the flight is overbooked, no one will be denied a seat until airline personnel first ask for volunteers willing to give up their reservation in exchange for a payment of the airline's choosing. If there are not enough volunteers, the airline will deny boarding to other persons in accordance with its particular boarding priority. With few exceptions, persons denied boarding involuntarily are entitled to compensation. The complete rules for the payment of compensation and boarding priorities are available at all airport ticket counters and boarding locations.

NOTICE - SOLD SUBJECT TO APPLICABLE TARIFFS

Air Passenger Protection Regulations Notice:

If you are denied boarding, your flight is cancelled or delayed for at least three hours, or your baggage is lost or damaged, you may be entitled to certain standards of treatment and compensation under the *Air Passenger Protection Regulation*. For more information about your passenger rights please contact your air carrier or visit the Canadian Transportation Agency's website.

General terms and conditions pertaining to flight delays, cancellations, denied boarding, seating of children and lost or damaged baggage can be found in Air Canada's General Conditions of Carriage and Tariffs.

AIR CANADA

Booking Confirmation

Booking Reference: **266IRZ**

Date of issue: 24 Jun, 2023

This is your official itinerary/receipt. You must bring it with you to the airport for check-in and we recommend you keep a copy for your records. Please also take the time to review it as it contains the general conditions of carriage and applicable tariffs that apply to the tickets, bookings and air services detailed below, as well as baggage, dangerous goods and other important information related to your trip.

Data Protection Notice: Your personal data will be processed in accordance with the applicable carrier's privacy policy and, if your booking is made via a reservation system provider ("GDS"), with its privacy policy. These are available at the IATA Travel Centre website or from the carrier or GDS directly. You should read this documentation, which applies to your booking and specifies, for example, how your personal data is collected, stored, used, disclosed and transferred. We also invite you to view Air Canada's Privacy Policy directly.

Ensure you are in compliance with the entry requirements of your destination. For the latest information on entry requirements, our flexible booking policy, or our health and safety measures visit our Travel Ready hub.

Depart

Economy - Comfort

Friday 07 Jul, 2023	07:15 **Toronto** Toronto-Pearson Int. (YYZ), Terminal 1	09:06 **Vancouver** Vancouver Int. (YVR), Terminal M	AC183	**4hr51** Cabin : Economy Class (S) Operated by: Air Canada | 787-9 | Wi-Fi Food for purchase on board

Passengers

Sarah Frances Reese

Ticket number
0142175035484

Seats
AC183 31A

Purchase summary

Visa

**********1052**
Amount paid: $620.51

	1 adult
Flights	
Air transportation charges	
Base fare Economy - Comfort	507.00
Taxes, fees and charges	
Air Travellers Security Charge - Canada	7.12
Harmonized Sales Tax - Canada - 100092287 RT0001	71.39
Airport Improvement Fee - Canada	35.00
Total before options (per passenger)	**$620[51]**
GRAND TOTAL (Canadian dollars)	**$620[51]**

Check-in and boarding gate deadlines

Within Canada

90 minutes	**When to arrive at the airport** You should arrive no later than the time indicated at left. This will ensure you have plenty of time to check in, drop off your checked bags and pass through security.
45 minutes[1]	**Check-in and baggage drop-off deadline** You must have checked in, obtained your boarding pass and deposited all checked bags at the baggage drop-off counter before the end of the check-in period for your flight.
30 minutes	**Boarding gate deadline** This is the latest you should be at the departure gate, ready for boarding.
15 minutes	**Boarding gate closes** Arriving after this time will result in reassignment of any reserved seats, the cancellation of reservations, and/or ineligibility for denied boarding compensation.

From Toronto City Airport (YTZ) - Check-in and baggage drop-off deadline: 20 minutes.

Baggage allowance

Carry-on baggage

On flights operated by Air Canada, Air Canada Rouge or Air Canada Express, you may carry with you in the cabin 1 standard item (max. size: 23 x 40 x 55 cm [9 x 15.5 x 21.5 in]) and 1 personal item (max. size: 16 x 33 x 43 cm [6 x 13 x 17 in]). Your carry-on baggage must be light enough that you can store it in the overhead bin unassisted. See our complete carry-on baggage policy.

Checked baggage

Please see below for details on the bags you plan on checking at the baggage counter.

Toronto (YYZ) > Vancouver (YVR)

1st bag	2nd bag	
Complimentary	$ 56.50 CAD Including taxes	Max. weight per bag: 23 kg (50 lb) Max. dimensions per bag: 158 cm (62 in)

* For travel within Canada or between Canada and the United States, a Canadian tax of $3.00 CAD may apply to baggage fees. For travel between Canada or the United States and Mexico, the Dominican Republic and Barbados, an applicable local sales tax of $4.00 CAD may apply to baggage fees. For all other itineraries to/from Mexico, the Dominican Republic and Barbados as well as itineraries to/from South America, an applicable local sales tax of $21.00 CAD may apply to baggage fees. All above tax amounts are based on the maximum applicable tax amounts per itinerary type. Actual amounts may vary and will be charged in the currency used in your departure airport. Tax amounts are subject to change without notice by local government.

Currency

Fee amounts are displayed in the currency of the first departure city on your ticket. On the day of travel, applicable fees will be assessed in the local currency of the country/region you are travelling from. Certain exceptions may apply where the departure airport does not charge in local currency. The currency exchange rate will be determined by the date of travel.

Stopovers

Checked baggage fees may be reassessed when itineraries include an enroute stopover of more than 24 hours.

Note: If you **exceed your baggage allowance** (in number, size and/or weight), additional checked baggage charges will apply. The policy and fees will be those of the carrier identified in the checked baggage information section.

- View Air Canada's additional checked baggage policy.
- View the additional checked baggage policy of Air Canada's codeshare and interline partners.

Fare Rules

Economy - Comfort

Changes

Departing flight

- **Before departure of first flight**
  - Ticket reissue is allowed but may be subject to certain restrictions. Please refer to the link above for complete fare rules.
  - Changes are permitted without a fee, subject to availability. Any taxes and fare difference may apply.
  - New travel dates must be prior to **Monday, 24 Jun, 2024**
  - The maximum change fee applied is **$0 CAD** per direction, per passenger, plus any applicable taxes and fare difference. Child/Infant discounts may apply.
- **After departure of first flight**
  - Ticket reissue is not allowed.
- Flights can only be used in sequence from the place of departure specified on the itinerary.
- Failure to show up for your flight (No Show) may result in a penalty. Please see the complete fare rules for details.

Cancellations

- Tickets are **fully refundable** but are **non-transferable**.
- **Partially used tickets** may be submitted for a refund assessment. The refund will be calculated as follows: Actual fare paid minus the value of the portion of the journey that has been flown and minus the applicable fee.
- **Cancellations** can be made up to 45 minutes prior to departure. **Exception**: Aeroplan flight rewards must be cancelled no later than 2 hours before departure.
- Find out more about Air Canada's refund services.

Minimum stay

- There is no maximum or minimum day stay associated with this fare.

Maximum stay

- There is no maximum or minimum day stay associated with this fare.

Aeroplan

- 115% Aeroplan points
- The equivalent in Status Qualifying Miles
- For all flights operated by Air Canada, Air Canada Express and Air Canada Rouge

Please notify us immediately if you do not plan on taking your scheduled flight(s). If you are unable to change or cancel your booking online, you can reach Air Canada Reservations at 1-888-247-2262 (view international and other numbers). If you do not show up for your flight, the rest of your itinerary will automatically be cancelled.

Disclaimer: The fare rules displayed above are for adult passengers only. Different rules may apply for children and infant passengers.

General conditions of carriage

1. You must obtain your boarding pass and check in any baggage by the check-in deadline. Additionally, you must be available for boarding at the boarding gate by the boarding gate deadline. Failure to respect check-in and boarding gate deadlines may result in the reassignment of any pre-reserved seats, the cancellation of reservations, and/or ineligibility for denied boarding compensation.

2. Although reconfirmation of flights is not required, we strongly recommend that you check your flight status online at aircanada.com or by calling our flight information system at 1-888-422-7533 prior to your departure.

3. Advance seat assignments are not guaranteed and may change without notice. If your pre-assigned seat is unavailable, we will try to accommodate you in a comparable seat in the same class of service and will refund any applicable fees.

4. Any travel credit banked for unused tickets is non-transferable: when the credit is redeemed, it must be used by the same person whose name appears on the original ticket.

5. Air Canada will cancel any purchased ticket and provide a full refund without penalty up to 24 hours after purchase. Beyond 24 hours, voluntary changes to your itinerary may require the payment of additional fees and fare upgrades. If you are travelling on a non-refundable ticket, Air Canada will be unable to make exceptions in the event of an unexpected trip cancellation or medical emergency. We recommend the purchase of travel insurance.

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General terms and conditions pertaining to flight delays, cancellations, denied boarding, seating of children and lost or damaged baggage can be found in Air Canada's General Conditions of Carriage and Tariffs.

Gmail **Sarah Reese <sarahreese190@gmail.com>**

Air North, Yukon's Airline-Confirmation 23310611

3 messages

confirmation@flyairnorth.com <confirmation@flyairnorth.com> Sat, Jun 24, 2023 at 1:11 PM
Reply-To: confirmation@flyairnorth.com
To: SARAHREESE190@gmail.com

Your Air North, Yukon's Airline Itinerary

Thank you for booking with us!

Your itinerary number is **23310611**.

Passenger ID Number: HD9ETCL6
Address: 30 LALLIEN DRIVE BOND HEAD, ON L0G1B0 CAN
Booked: June 24, 2023
Booked By: HOLTS

Friday July 07, 2023 › Flight 4N518 - Vancouver to Whitehorse

Departs 11:45AM › Arrives 2:10PM › Stops 0 › Boeing 737

SARAH FRANCES REESE

Confirmed

JACOB METZGER

Confirmed

Warning

While we do everything possible to provide the most accurate flight status information, please verify your flight's status at least 24 hours prior to departure at www.flyairnorth.com.Air North, Yukon's Airline is not liable for non-delivery of flight schedule change messaging.

Purchase Summary

Total Fare	104.34
Carrier Surcharge	60.00
Air Travellers Security Charge	14.24
Airport Improvement Fee	10.00
Canada Goods and Service Tax #850279555	9.42
Itinerary Total	CDN 198.00
Payment	CRED:MC
Credit Card Applied	CDN 198.00
Cardholder Name	

Credit Card Number	3504
Authorization Number	01798Z

Questions, comments or concerns?

Please do not reply to this email as it was issued by an automated message system. If you have received this message in error, please call Air North, Yukon's Airline at one of the numbers below.

How to contact us

- Toll-free (in North America): 1.800.661.0407 ext. 1
- (867) 668.2228 ext. 1
- Via www.flyairnorth.com
- For Covid-19 travel updates, visit www.flyairnorth.com/TravelInfo/TravelAdvisories.aspx

Rules and Conditions

Updated March 2020

Identification, Check-in & Boarding Information

- **For Domestic Flights** — Check-in a minimum of 90 minutes prior to scheduled departure. Although we will do our best to assist, passengers checking in/dropping off baggage less than 45 minutes prior to the scheduled departure will be denied boarding. It is the passengers responsibility to be through security & present at the boarding gate no later than 15 minutes prior to the scheduled departure time. Valid government-issued identification featuring clear and identifiable photo of passenger and including name, date of birth and gender is required for all passengers.
- **For Trans-Border Flights** — Check -in a minimum of 90 minutes prior to scheduled departure. Although we will do our best to assist, passengers arriving less than 45 minutes prior to the scheduled departure boarding will be denied. Valid government-issued identification featuring clear and identifiable photo of passenger and including name, date of birth and gender is required for all passengers.
- All security restrictions are subject to change. For up to date information on these or other Government of Canada security requirements visit www.tc.gc.ca or www.catsaacsta.gc.ca.

Check-in Locations

- **Whitehorse** — Erik Nielsen Whitehorse International Airport
- **Vancouver** — Vancouver International Airport — Domestic Terminal, Departures Level, Line 12
- **Calgary** — Calgary International Airport — Domestic Terminal, Departures Level
- **Edmonton** — Edmonton International Airport — Domestic Terminal, Departure Level, South Check-in, Lines 32 & 33

Fare Change & Cancellation Policies

- Changes or cancellations may be made up to two hours prior to departure time.
- Changes are subject to any difference in fare and may be subject to applicable change fees and taxes.
- Cancellations may be subject to a fee, depending on the fare being cancelled. All monies paid to Air North, Yukon's Airline in the form of fares, fees, taxes, and surcharges are non-refundable, but may be credited to an Air North credit file.
- Air North credit files expire one year from the date of purchase. Credits are fully transferable. Credits may not be available for use on select Air North Packages or Air Passes.
- Promotional fares may have additional fare rules specified at time of booking; for example, Air North Packages and Getaways.
- Failure to show for a flight may result in 100% forfeit of fare and all fees, surcharges and taxes, depending on the applicable rules and conditions associated with the fare.
- Seat selection options when travelling with children requiring a seat who are under the age of 12 include:
  1) Paying for seat selection during booking.
  2) When flying with children under 12, you can call Air North Reservations at 1.800.661.0407 for complimentary seat selection after completing your booking.

3) Air North will do our best to seat children under the age of 12 with an accompanying adult(s).

Baggage Limits

- The combined weight of all baggage per passenger is limited, available space varies from one aircraft type to another. For complete details on our baggage allowance, please visit https://www.flyairnorth.com/flights/baggage-carry .
- Overweight baggage and excess pieces are not guaranteed to travel on the same flight as the passenger due to space and weight limitations, and will be shipped on the next flight available. Passengers wishing to guarantee overweight baggage or excess pieces should contact Air North Cargo for priority freight. Any single item in excess of 32kg, or 70lb, must be shipped as cargo and cargo rates will apply. A maximum of four bags per passenger, including excess baggage, is permitted.

Rules of Carriage & Baggage

- Carriage is subject to the applicable tariffs, conditions of carriage and related regulations.
- Passengers are advised to check all baggage, as there is limited space available in the cabin.

Fees, Taxes and Surcharges

Flights within Canada

All fees, taxes and surcharges are collected by Air North, Yukon's Airline at the time of booking including

- Fuel Surcharge (Q)
- Air Traveller's Security Charge (ATSC)
- Airport Improvement Fees (AIF). Fee varies depending on airport
- Canada Goods and Service Tax (GST), collected on all airfares and services provided in Canada.
- Harmonized Sale Tax (HST) where applicable

Canadian Air Passenger Protection Regulations

If you are denied boarding, your flight is cancelled or delayed at least two hours*, or if your baggage is lost or damaged, you may be entitled to certain standards of treatment and compensation under the Air Passenger Protection Regulations.

*Certain standards of treatment and compensation for flight delays and cancellations will apply as of December 15, 2019.

For more information about your passenger rights, please review our Domestic Tariff online at https://www.flyairnorth.com/More/Tariff.aspx or visit the Canadian Transportation Agency's website.

Thank you again for choosing Air North, Yukon's Airline!

Sarah Reese <sarahreese190@gmail.com> Sat, Jun 24, 2023 at 1:14 PM
To: sreese@transitionmetalscorp.com

[Quoted text hidden]

Sarah Reese <sarahreese190@gmail.com> Sun, Jun 25, 2023 at 10:52 AM
To: jacobmetzger11@gmail.com

Inicio del mensaje reenviado:

De: Sarah Reese <sarahreese190@gmail.com>
Fecha: 24 de junio de 2023, 13:14:08 EDT
Para: sreese@transitionmetalscorp.com
Asunto: RV: Air North, Yukon's Airline-Confirmation 23310611

[Quoted text hidden]

Bullet Hole Bagels

121- 1116 Front St
Whitehorse, YT
Y1A 1A3
(867) 689-5631
bulletholebagels.com

July 18, 2023
2:33 p.m.

Receipt: Bkw3
Authorization: 000896
GST # 752602813RT0001

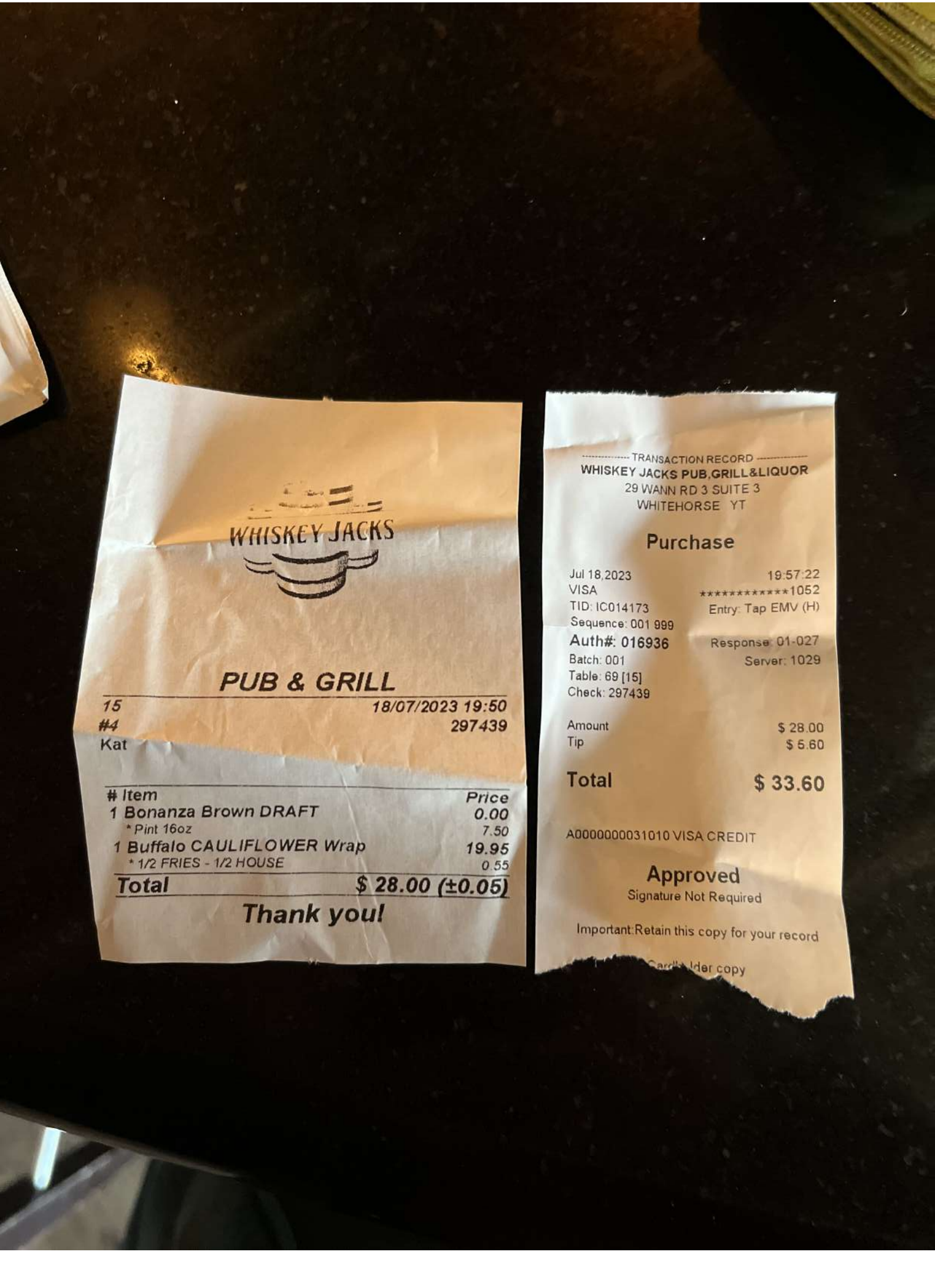
VISA CREDIT
AID A0 00 00 00 03 10 10

ABC Sandwich	**$12.75**

Subtotal	$12.75
GST	$0.64
Tip	$2.01

Total	**$15.40**
Visa 1052 (Contactless)	$15.40

No returns



WHISKEY JACKS

PUB & GRILL

15 18/07/2023 19:50
#4 297439
Kat

#	Item	Price
1	Bonanza Brown DRAFT	0.00
	* Pint 16oz	7.50
1	Buffalo CAULIFLOWER Wrap	19.95
	* 1/2 FRIES - 1/2 HOUSE	0.55

Total **$ 28.00 (±0.05)**

Thank you!

TRANSACTION RECORD

WHISKEY JACKS PUB,GRILL&LIQUOR
29 WANN RD 3 SUITE 3
WHITEHORSE YT

Purchase

Jul 18,2023 19:57:22
VISA **********1052
TID: IC014173 Entry: Tap EMV (H)
Sequence: 001 999
Auth#: 016936 Response: 01-027
Batch: 001 Server: 1029
Table: 69 [15]
Check: 297439

Amount $ 28.00
Tip $ 5.60

Total **$ 33.60**

A0000000031010 VISA CREDIT

Approved
Signature Not Required

Important:Retain this copy for your record

Cardholder copy

---------- TRANSACTION RECORD ----------
WHISKEY JACKS PUB,GRILL&LIQUOR
29 WANN RD 3 SUITE 3
WHITEHORSE YT

Purchase

Jul 24,2023 19:09:43
VISA **********1052
TID: IC014239 Entry: Tap EMV (H)
Sequence: 001 045
Auth#: 083110 Response: 01-027
Batch: 001 Server: 0666
Table: 10 [Bar 2]
Check: 298425

Amount	$ 78.05
Tip	$ 14.05
Total	**$ 92.10**

A0000000031010 VISA CREDIT

Approved
Signature Not Required

Important:Retain this copy for your record

Cardholder copy

PUB & GRILL

Bar 2 24/07/2023 17:58
#2 298425
Jess

#	Item	Price
1	Yukon Gold DRAFT	0.00
	*Pint 16oz	7.50
2	Pingo DRAFT	0.00
	*Pint 16oz	17.50
1	Cauliflower Bites	17.85
	*Buffalo	0.00
	*APPY	0.00
1	Burger Monday	12.60
	*Fries	0.00
	*ADD Cheddar	2.10
1	Quesadilla	19.95
	*BEEF	0.00
	*1/2 FRIES - 1/2 HOUSE	0.55
	*Mango Chili Lime	0.00
Total		**$ 78.05**

Thank you!

WHISKEY JACKS
PUB,GRILL&LIQUOR
29 WANN RD 3 SUITE 3
WHITEHORSE YT

CARD **********1052
CARD TYPE VISA
DATE 2023/07/25
TIME 5652 19:39:59
CLERK ID 1
RECEIPT NUMBER
H84090246-001-649-022-0

PURCHASE
AMOUNT $66.20
TIP $13.24
TOTAL

$79.44

VISA CREDIT
A0000000031010
BDB5FA9D2C65582B
0000000000-

APPROVED
FF/DT 20
AUTH# 087854 01-027
THANK YOU

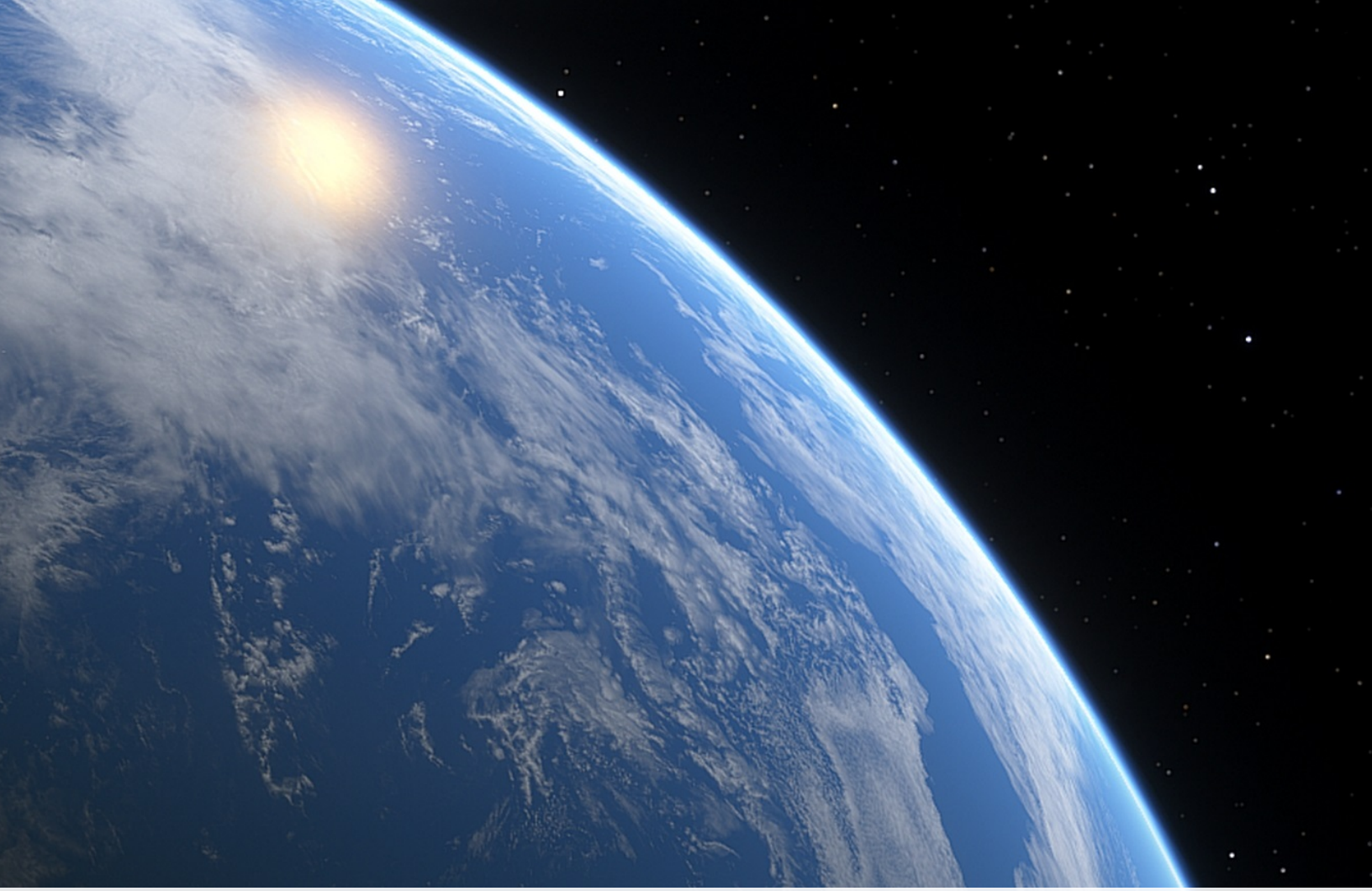
NO SIGNATURE REQUIRED

MERCHANT COPY

IMPORTANT - RETAIN THIS
COPY FOR YOUR RECORDS

Appendix F

Remote Sensing Program Reports



WORLDVIEW-3 ALTERATION MAPPING REPORT

Pike Warden, Yukon

Transition Metals Corp.

PhotoSat™

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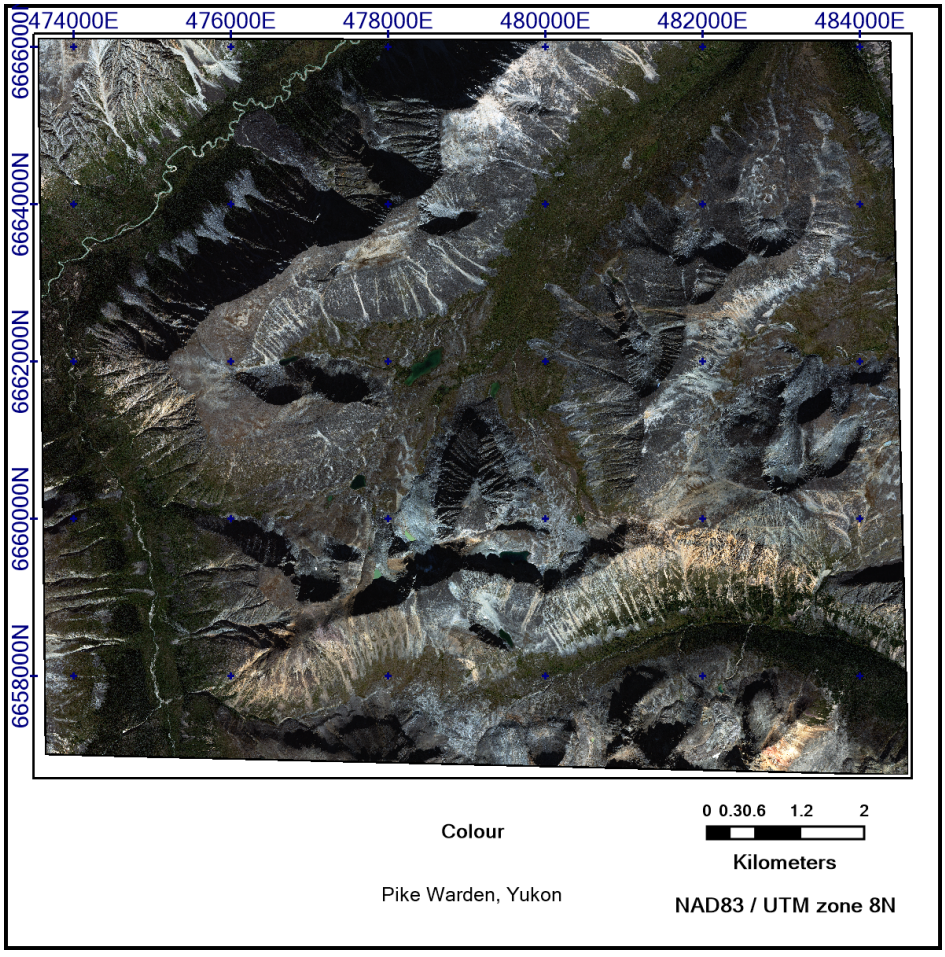
1 Project Overview

Date Delivered:	14 September 2023
Project Area:	Pike Warden, Yukon
Client:	Transition Metals Corp.
Reference Number:	4581
Previous Reference Number(s):	
Project Coordinate System:	NAD83 / UTM zone 8N
Satellite Image Date(s):	WorldView-3: 27 Aug 2023
	ASTER: 10 Aug 2005



2 WorldView-3 Satellite

WorldView-3 is an optical imaging satellite owned by Maxar, that was launched on August 13, 2014. It is currently the highest spatial and spectral resolution satellite commercially available. WorldView-3 consists of 2 sensors collecting spectral information from the Visible and Near Infrared (VNIR), and Short Wave Infrared (SWIR) regions.

Sensor	Bands	Wavelength (nm)	Minerals
VNIR (1.24 m)	Bands 1-8	400-1040	Iron Minerals, Gossans
SWIR (3.7 m)	Bands 9-16	1195-2364	Clays, Micas, Opal/Chalcedony, Buddingtonite, Calcite, Chlorite

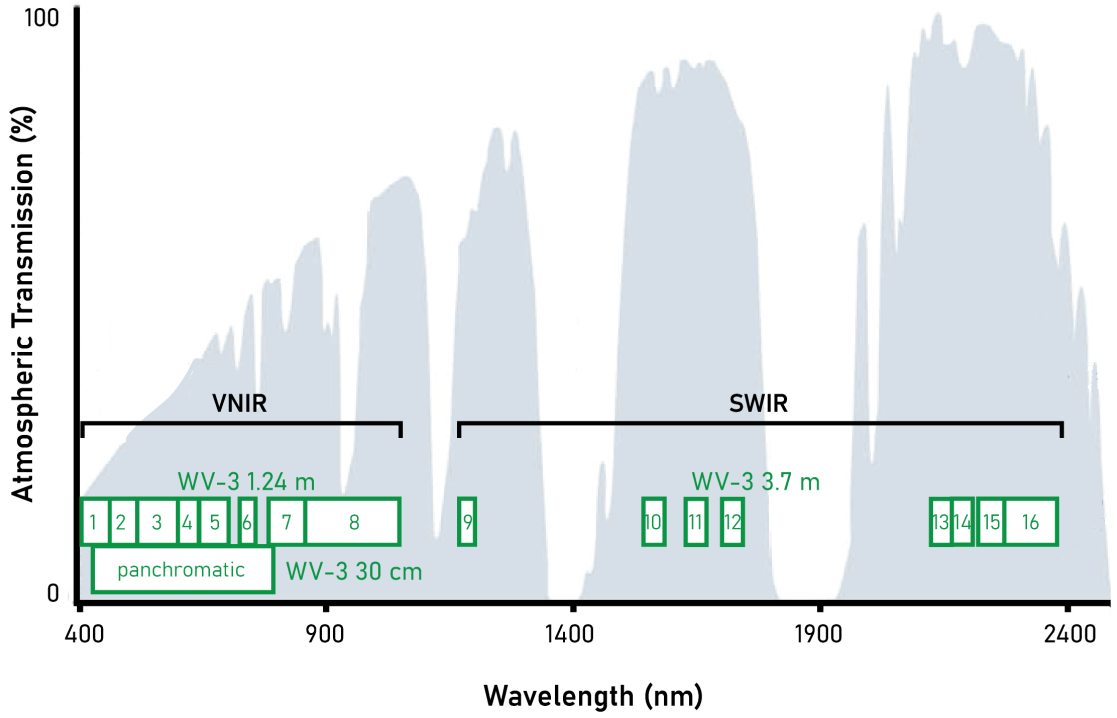


Figure 1: Spectral and spatial characteristics of the WorldView-3 satellite sensors.

3 PhotoSat's Deep Learning Alteration Mineral Mapping

PhotoSat originally developed proprietary Deep Learning tools for satellite survey production, before extending this technology to satellite alteration mineral mapping. We are able to produce more reliable and consistent alteration mineral maps than with previous conventional engineering style or ratio spectral mapping.

3.1 Factors Affecting Satellite Alteration Mineral Detection

The ability to detect specific alteration minerals using satellite spectral data is dependent on the following:

- The visible presence of alteration minerals at surface, unobstructed by vegetation or recent cover
- The spectral profile of each mineral
- The wavelength, width and signal to noise ratio of each of the spectral bands measured.

Successful mineral detection is also dependent on the following data collection variables.

- Atmospheric affects such as dust or water vapour
- Sun inclination angle; i.e. sun high overhead or low on the horizon
- Look direction and elevation angle of the satellite

PhotoSat works with the satellite data provider to optimize these data collection parameters wherever possible.

Alteration mineral detection can occasionally be affected by false positive responses, whereby non-mineral features at surface have a similar spectral profile to that of the alteration minerals we are trying to detect. The most common false positive response can be attributed to cloud, shadow, smoke, buildings and water. PhotoSat uses its Deep Learning mapping process to identify and remove common false positive features, and also completes a final review to remove any additional false positive response.

3.2 Probability of Occurrence vs Intensity of Alteration

Depending on an alteration mineral's spectral profile, and the satellite's spectral resolution, detection of individual alteration minerals varies from readily detectable to undetectable. The certainty of the mineral identification increases with the alteration intensity. Therefore, the probability of the correct alteration mineral identification and the intensity of the alteration cannot be practically separated. Areas mapped as "possible alteration" may also be areas of less intense alteration. Areas mapped as "probable alteration" may also be areas of more intense alteration.

In most mineral deposit environments, exposure of a single alteration mineral over an area is rare. It is far more likely to have zones of mixed alteration minerals. Photosat's Deep Learning mapping process will map the occurrence of several minerals in a single pixel if the spectral response matches the profile of more than one alteration mineral.

4 USGS High Resolution Spectral Library

The US Geological Survey has an extensive publicly available library of mineral reflectance spectra. It is available at the following link: Spectral Library | U.S. Geological Survey (usgs.gov).

Mineral reflectance spectra from this library, and other proprietary data sources is used to determine the expected WorldView-3 spectral signatures of different alteration mineral Figure 2.

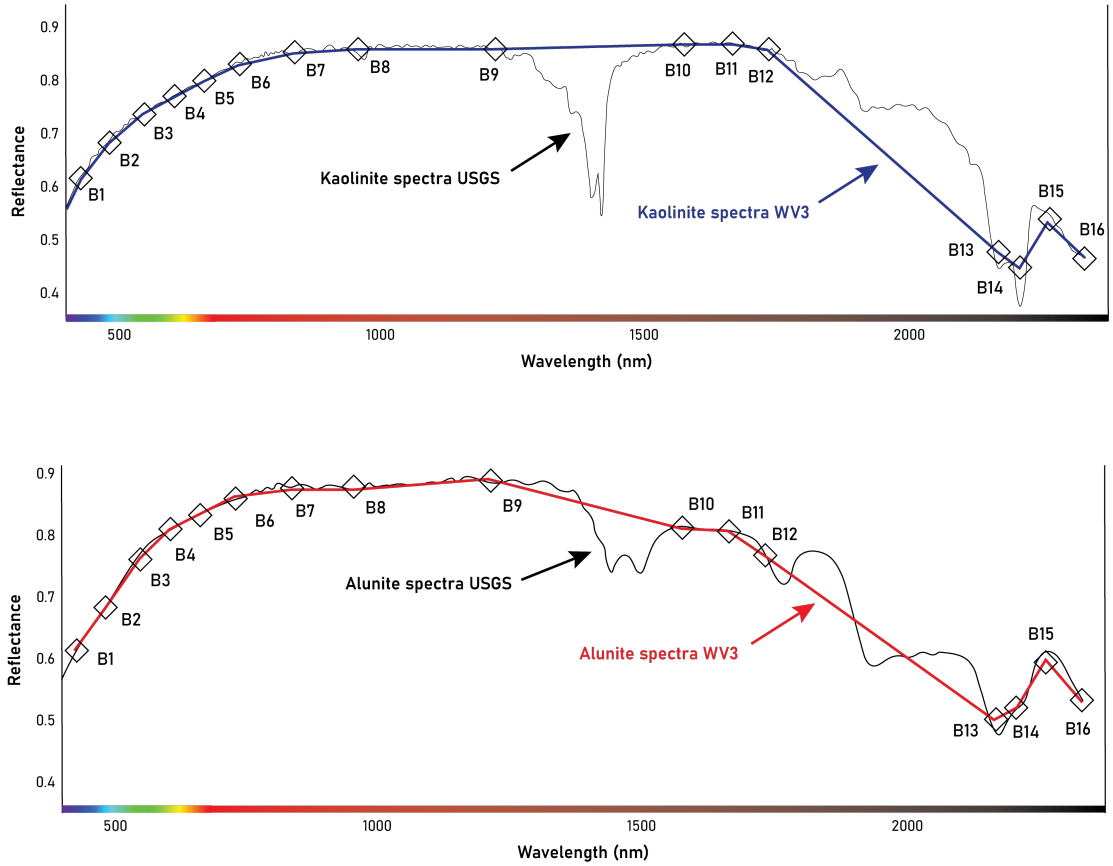


Figure 2: USGS laboratory reflectance spectra for kaolinite and alunite with WorldView-3 VNIR and SWIR bands superimposed (black diamonds). This shows the expected WorldView-3 spectral signatures. Note the very different spectral responses in WV3 SWIR bands B13, B14, and B15.

5 WorldView-3 Alteration Mapping Package

5.1 Alteration Images

PhotoSat's WorldVIew-3 alteration package includes the minerals listed below. If we are unable to spectrally identify any of these minerals, a note will be added on the last page of this report.

Opal / Chalcedony $SiO_2 \cdot nH_2O$[1]

Calcite $CaCO_3$

Chlorite $(Mg,Fe,Li)_6AlSi_3O_{10}(OH)_8$ / Epidote $Ca_2(Al,Fe)_2(SiO_4)(OH)$[2]

Clay minerals:

Alunite $(Na,K)Al_3(SO_4)_2(OH)_6$

Kaolinite $Al_2Si_2O_5(OH)_4$

Montmorillonite $(Na,Ca)_{.33}(Al,Mg)_2(Si_4O_{10})(OH)_2 \cdot nH_2O$

Micas:

Sericite – a hydrothermal alteration of orthoclase or plagioclase feldspars. It may consist of each or a combination of the mica minerals muscovite, illite, and paragonite. PhotoSat cannot differentiate between these micas with WorldView-3 photos.

Muscovite $KAl_2(Si_3Al)O_{10}(OH,F)_2$
Illite $(K,H_3O)(Al,Mg,Fe)_2(Si,Al)_4O_{10}[(OH)_2,(H_2O)]$
Paragonite $NaAl_2(AlSi_3O_{10})(OH)_2$

Ammonium Minerals:

Buddingtonite $NH_4AlSi_3O_8$

[1] PhotoSat cannot spectrally differentiate between opal and chalcedony with WorldView-3.
[2] PhotoSat cannot spectrally differentiate between chlorite and epidote with WorldView-3.

Iron Minerals:

Goethite $Fe^{3+}O(OH)$

Jarosite $KFe^{3+}{}_3(SO_4)_2(OH)_6$

Hematite $Fe^{3+}{}_2O_3$

Iron Oxide Gossans[3] $Fe^{3+}O$

5.2 Context Images

The following images are included to provide geological context and should be used in conjunction with all available surface mapping data to interpret the satellite alteration mapping:

- Colour image
- Greyscale image
- Geology enhanced colour image
- Vegetation intensity image

[3] Iron oxide alteration is derived from band ratios comparable to legacy Landsat iron oxide processing.

6 Alteration Mineral Mapping Results

6.1 Alteration Images

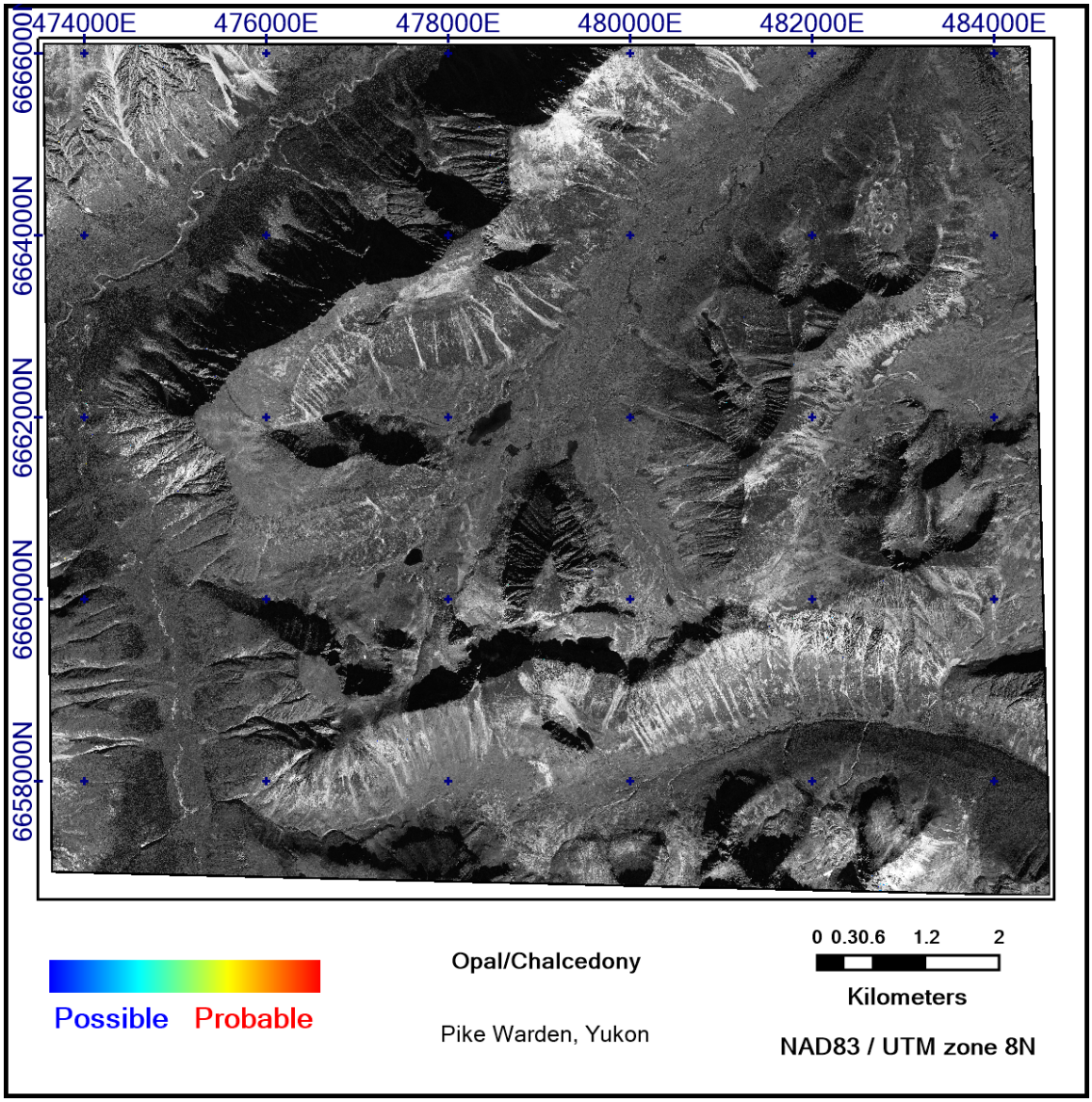


Figure 3: WorldView-3 opal/chalcedony. Possible in blue to probable in red.

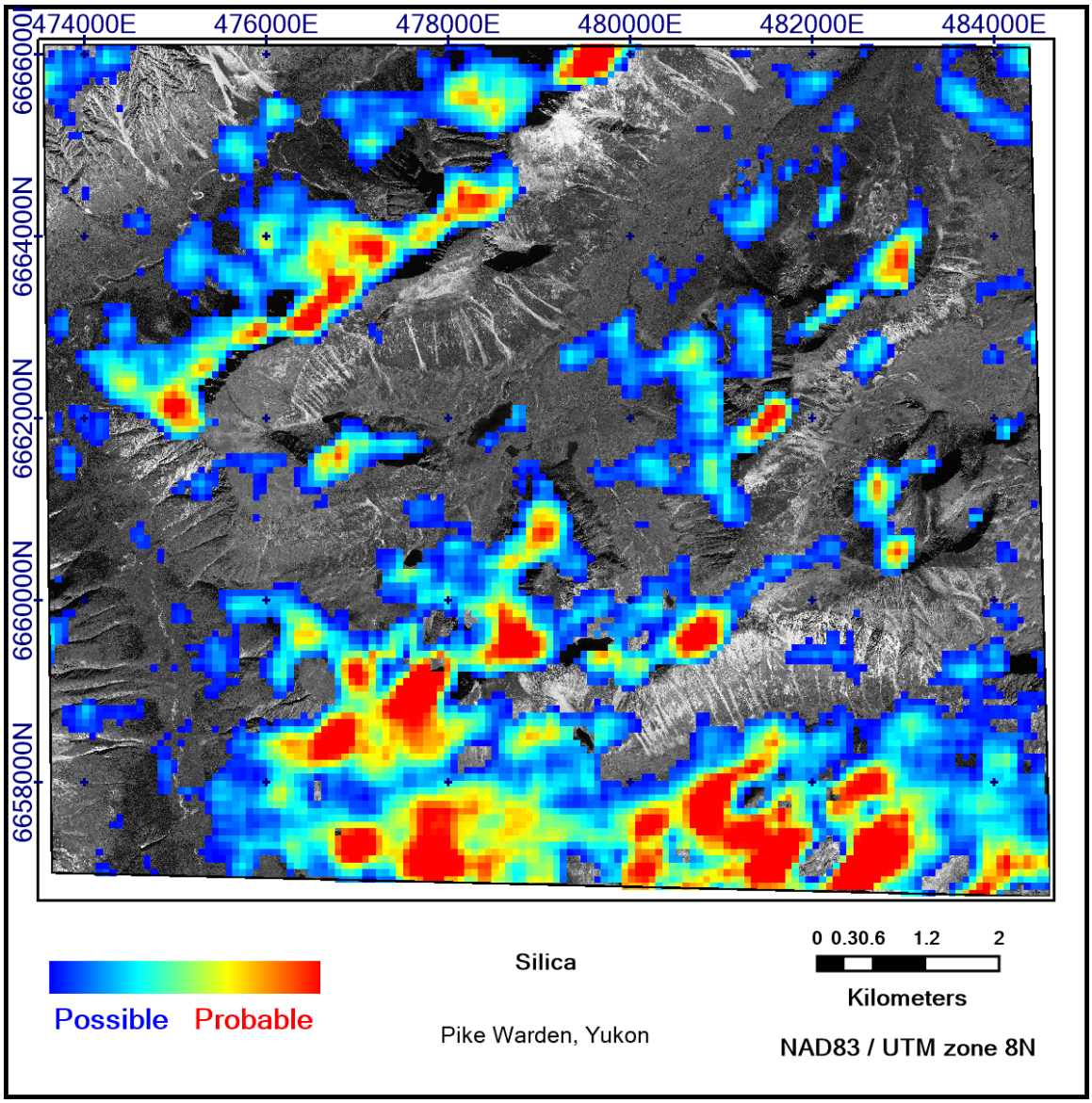


Figure 4: ASTER silica. Possible in blue to probable in red.

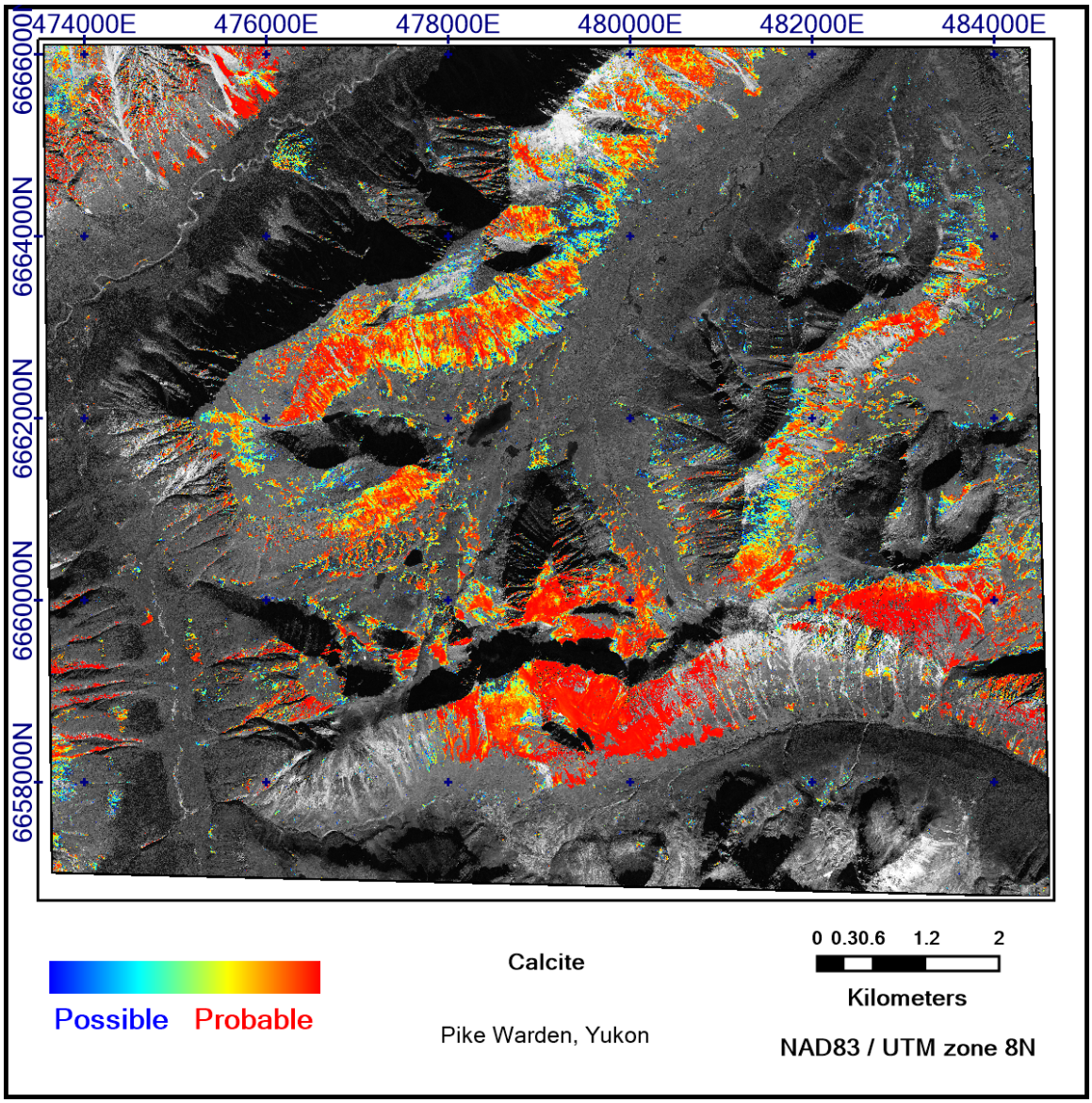


Figure 5: WorldView-3 calcite. Possible in blue to probable in red.

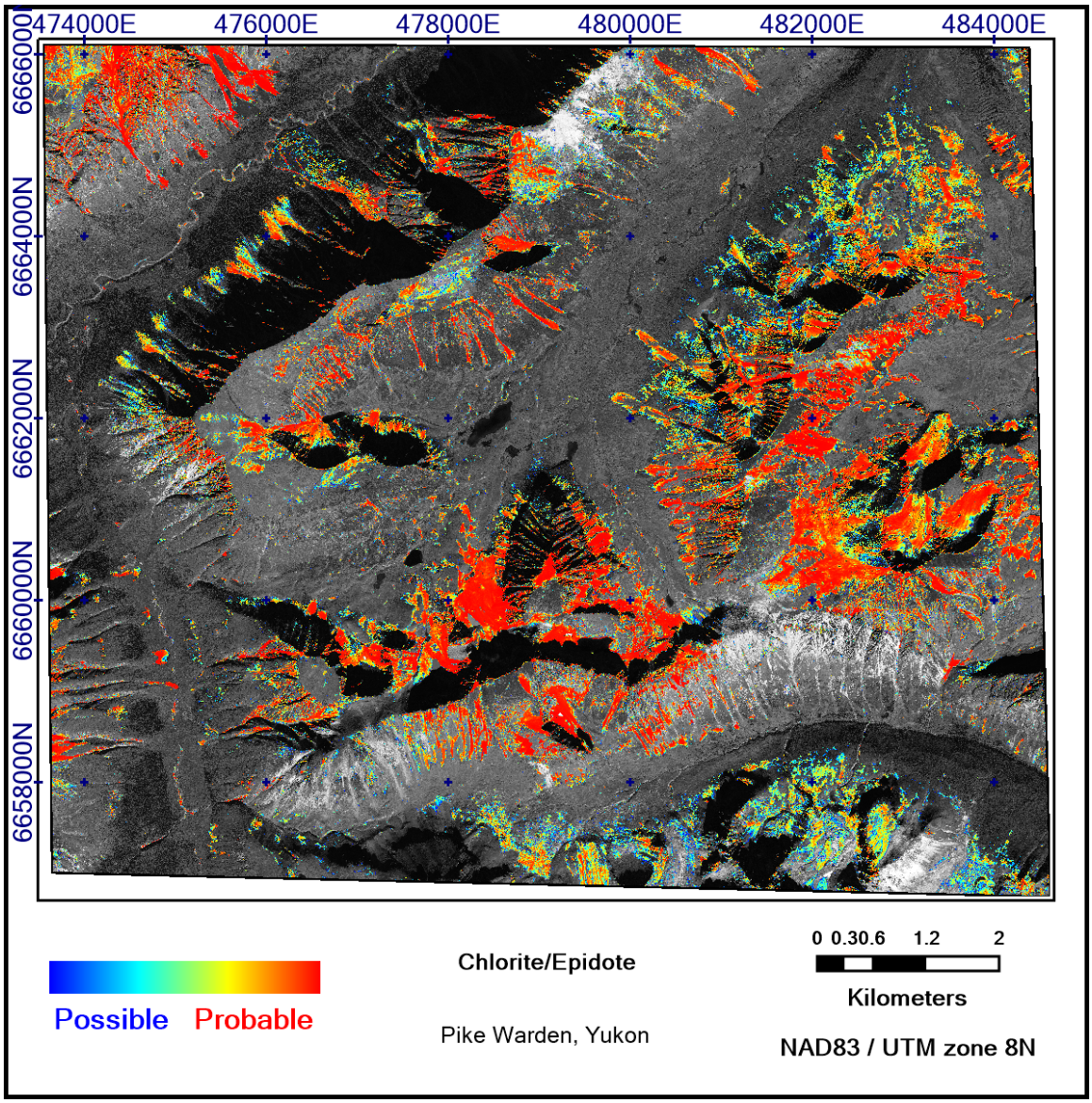


Figure 6: WorldView-3 chlorite/epidote. Possible in blue to probable in red.

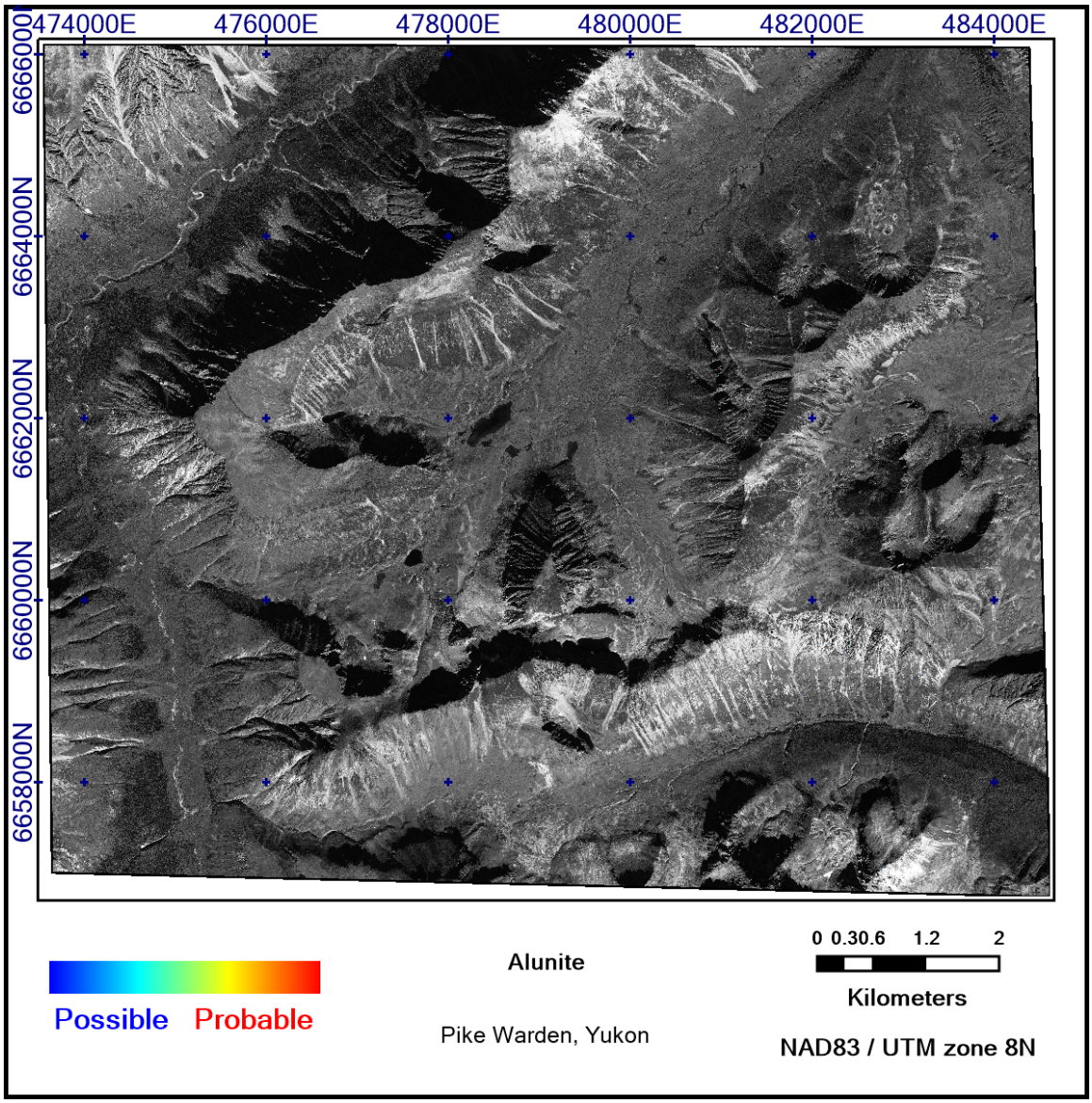


Figure 7: WorldView-3 alunite. Possible in blue to probable in red.

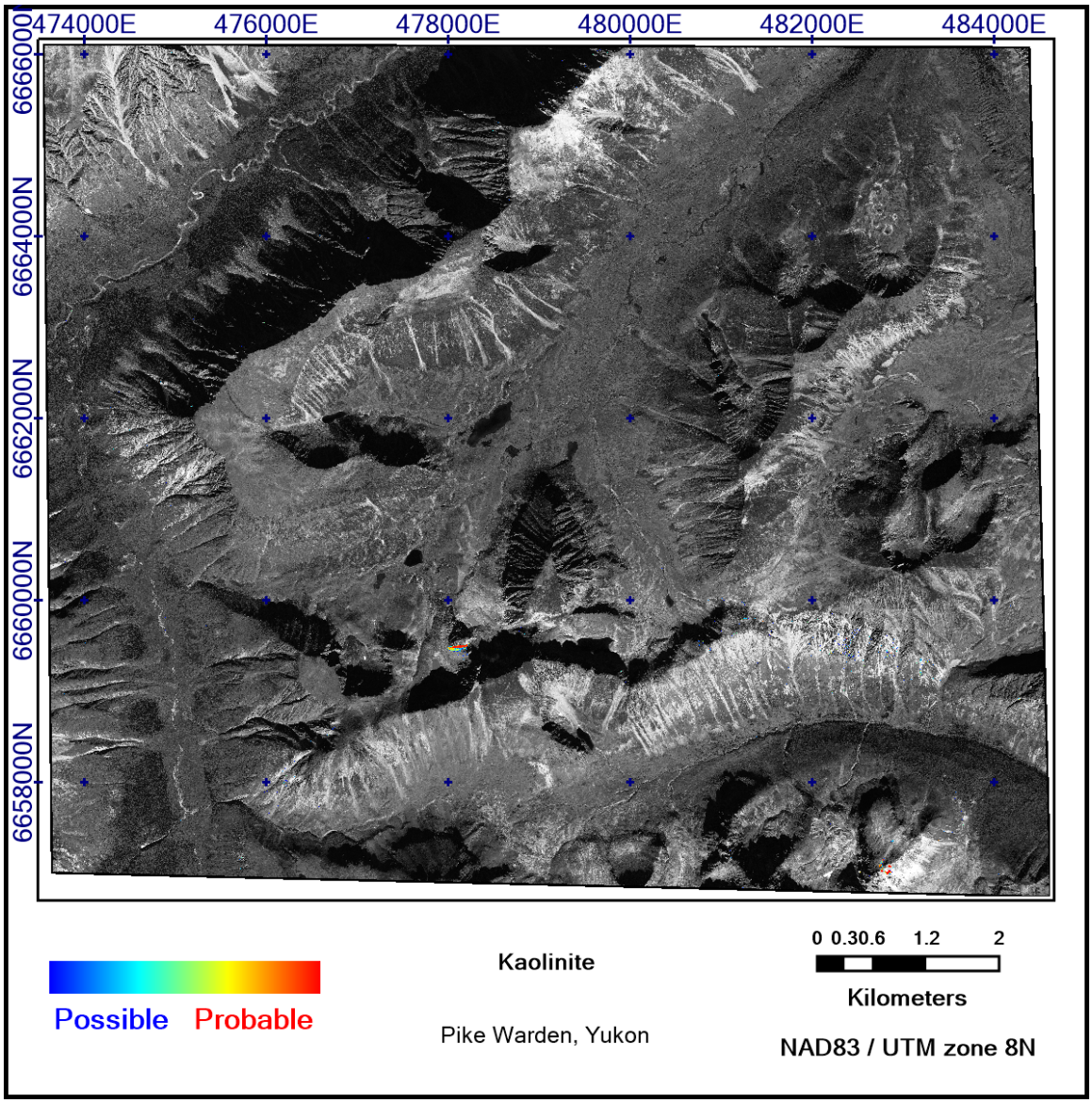


Figure 8: WorldView-3 kaolinite. Possible in blue to probable in red.

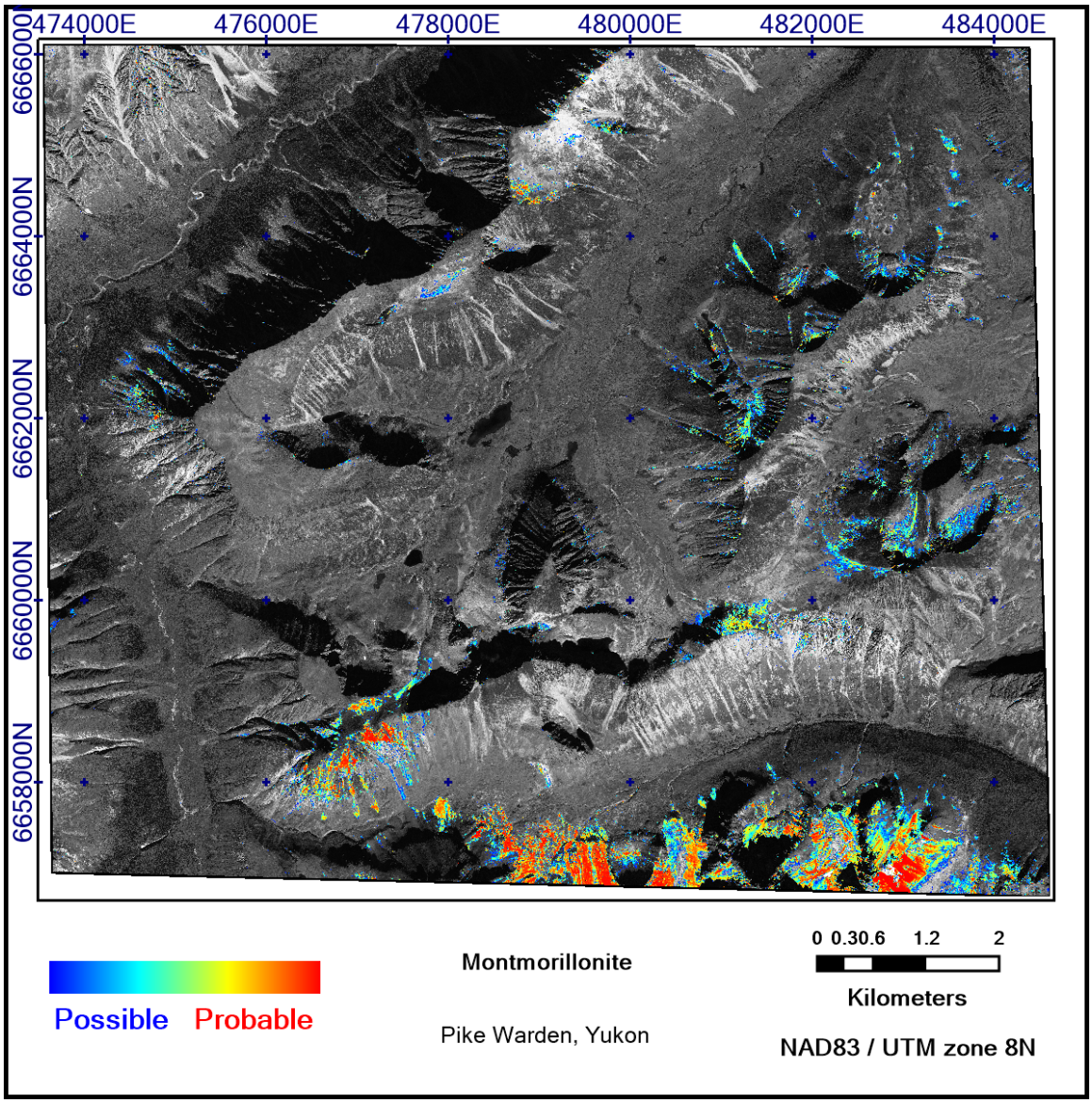


Figure 9: WorldView-3 montmorillonite. Possible in blue to probable in red.

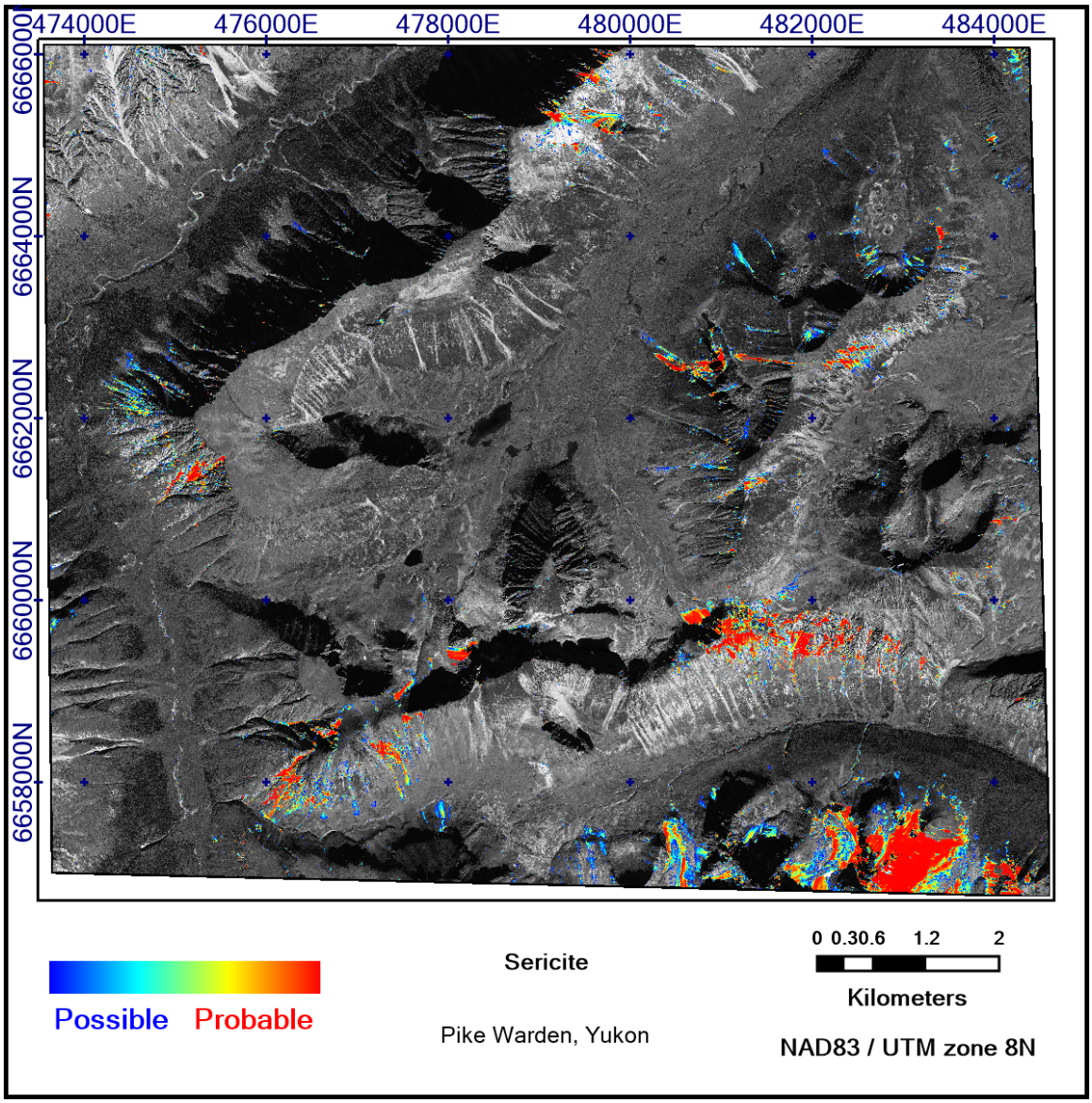


Figure 10: WorldView-3 sericite. Possible in blue to probable in red.

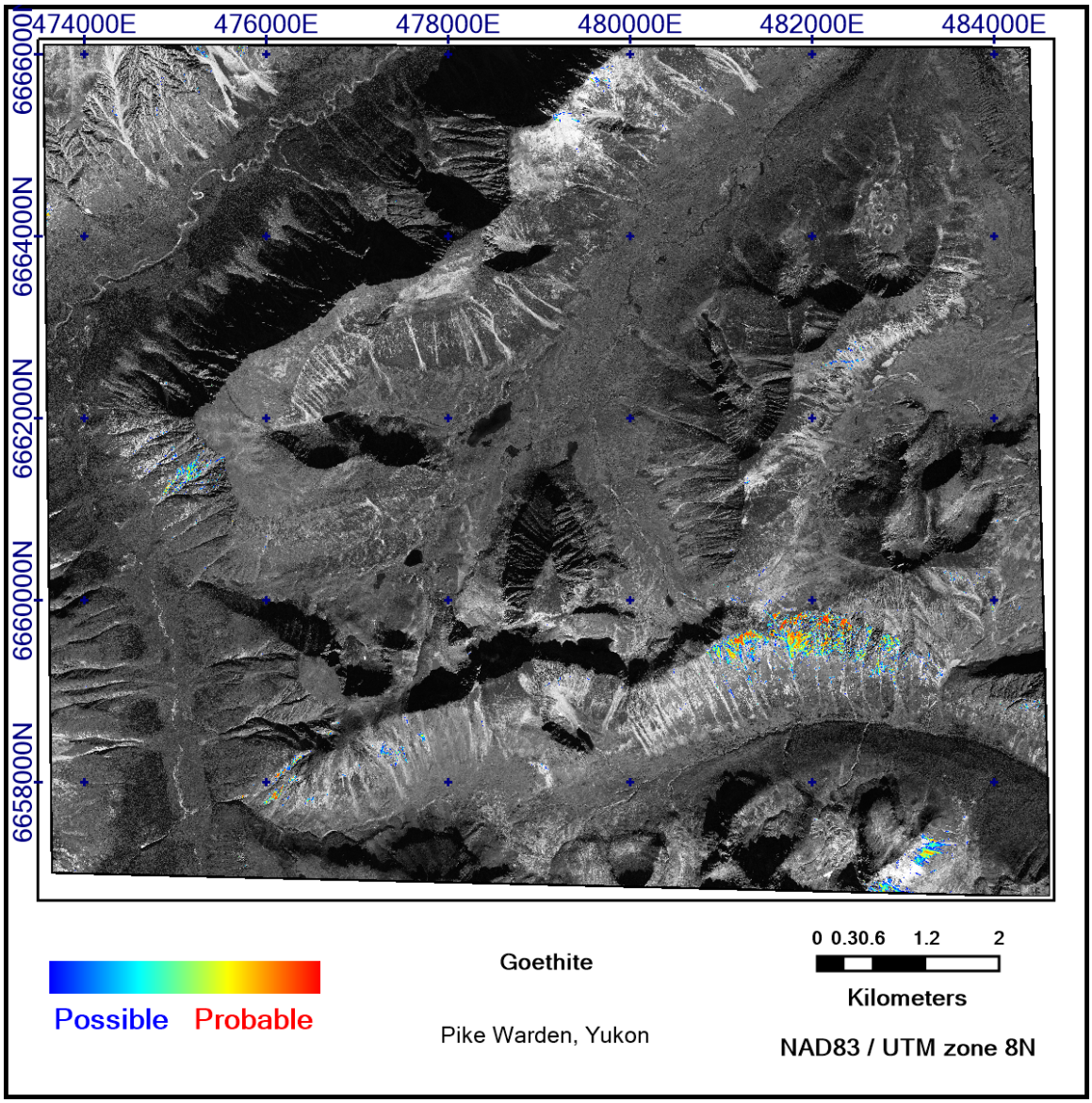


Figure 11: WorldView-3 goethite. Possible in blue to probable in red.

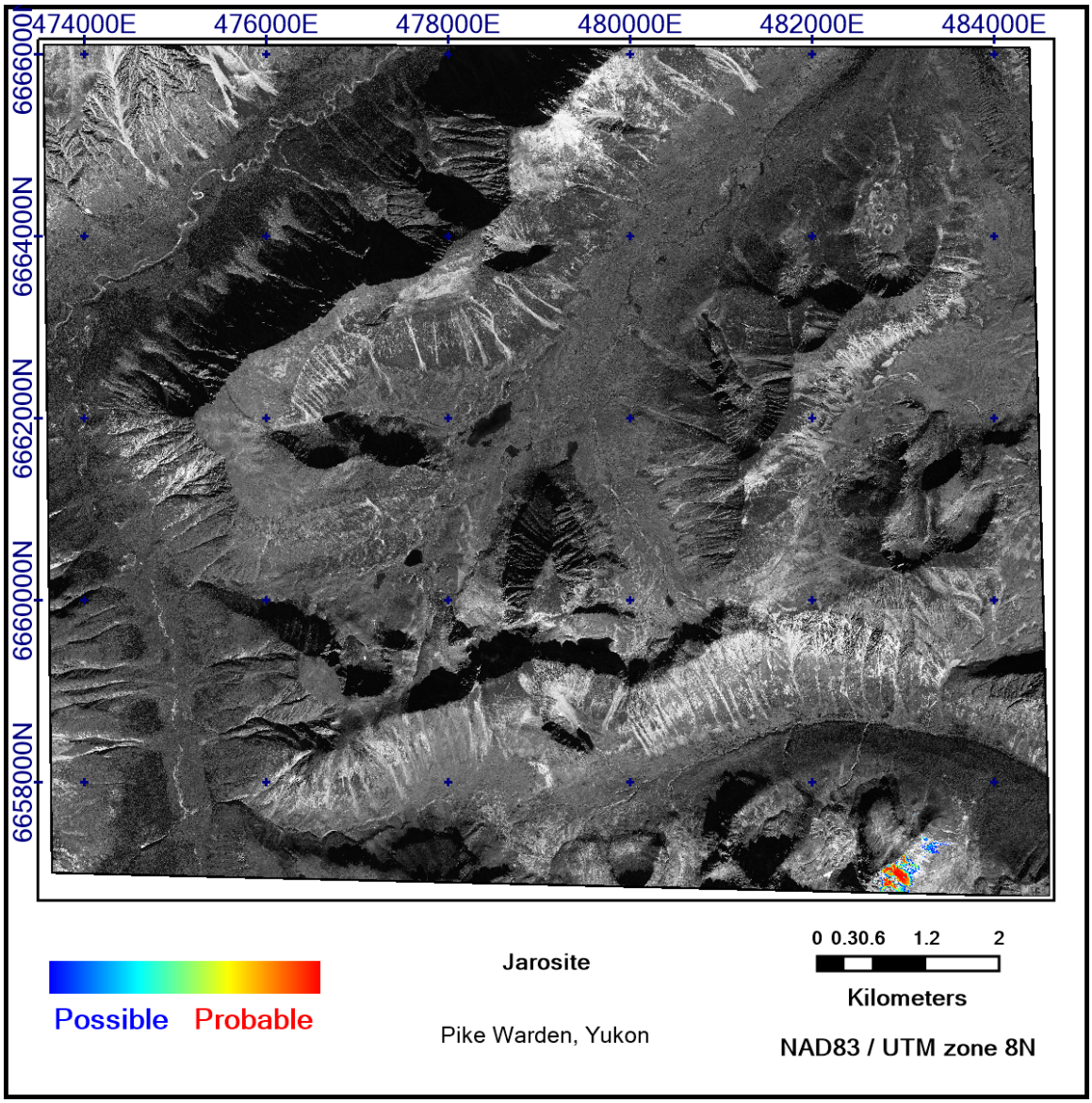


Figure 12: WorldView-3 jarosite. Possible in blue to probable in red.

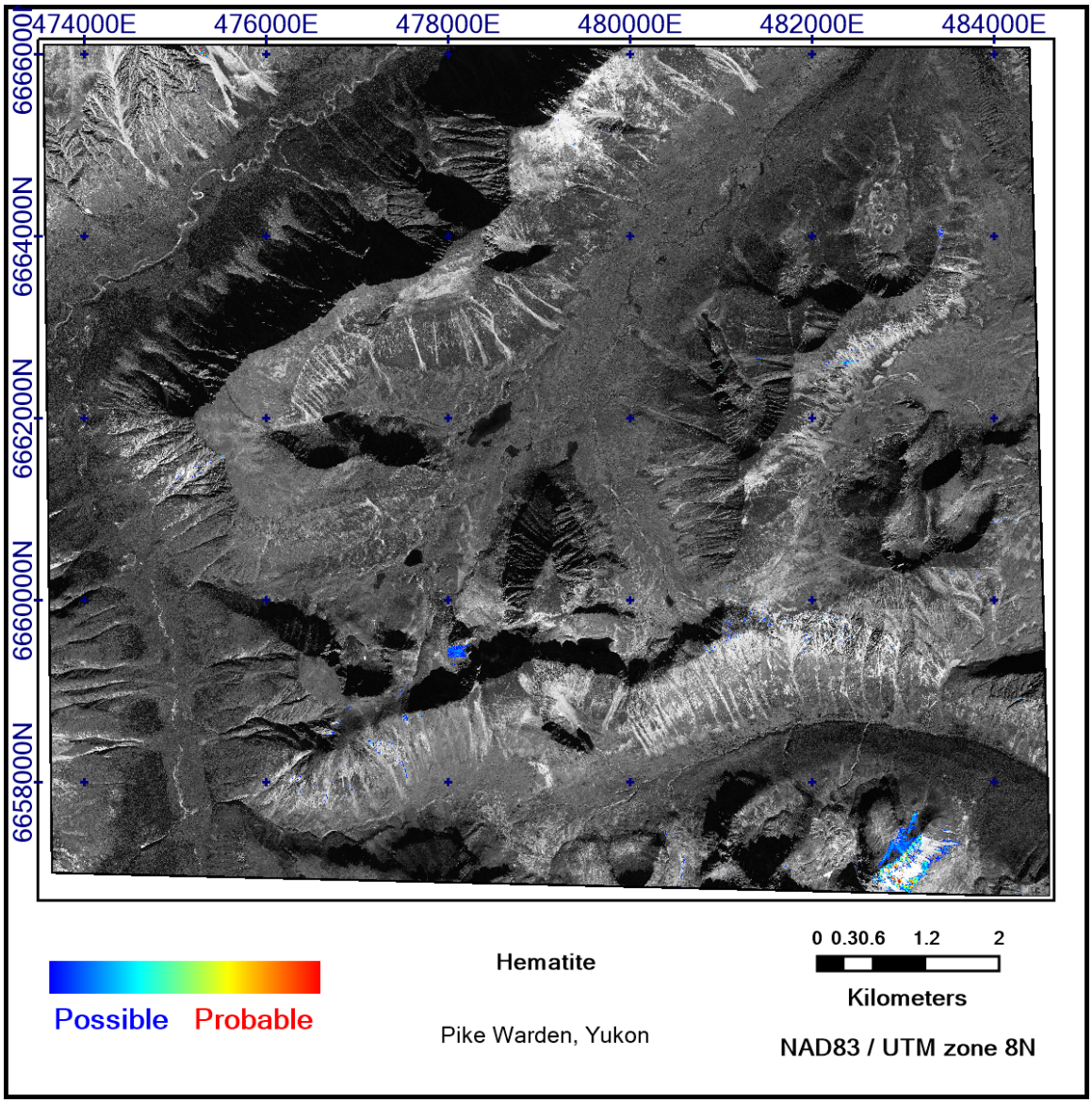


Figure 13: WorldView-3 hematite. Possible in blue to probable in red.

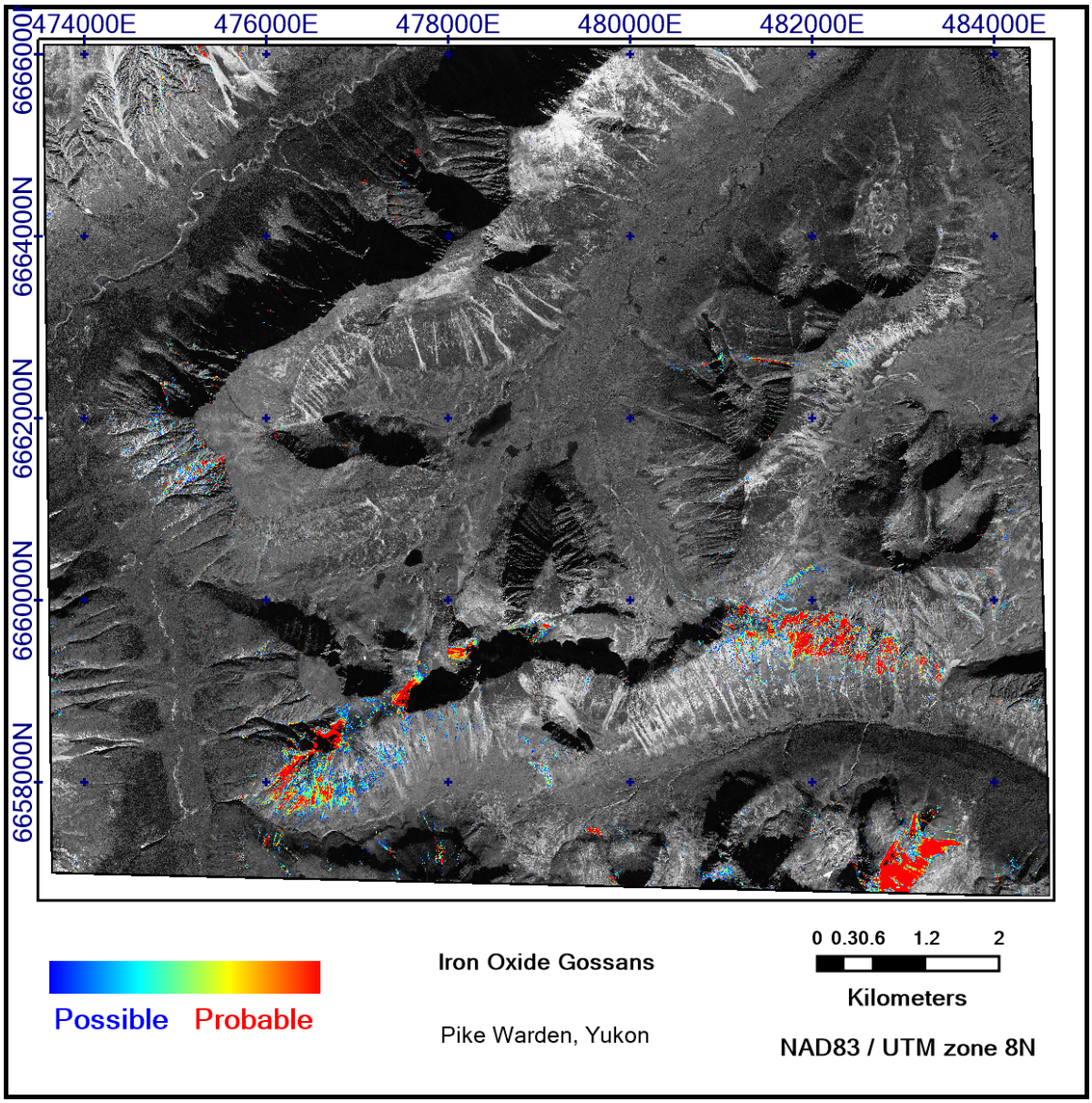


Figure 14: WorldView-3 iron oxide gossans. Possible in blue to probable in red.

6.2 Polygons of Probable Alteration

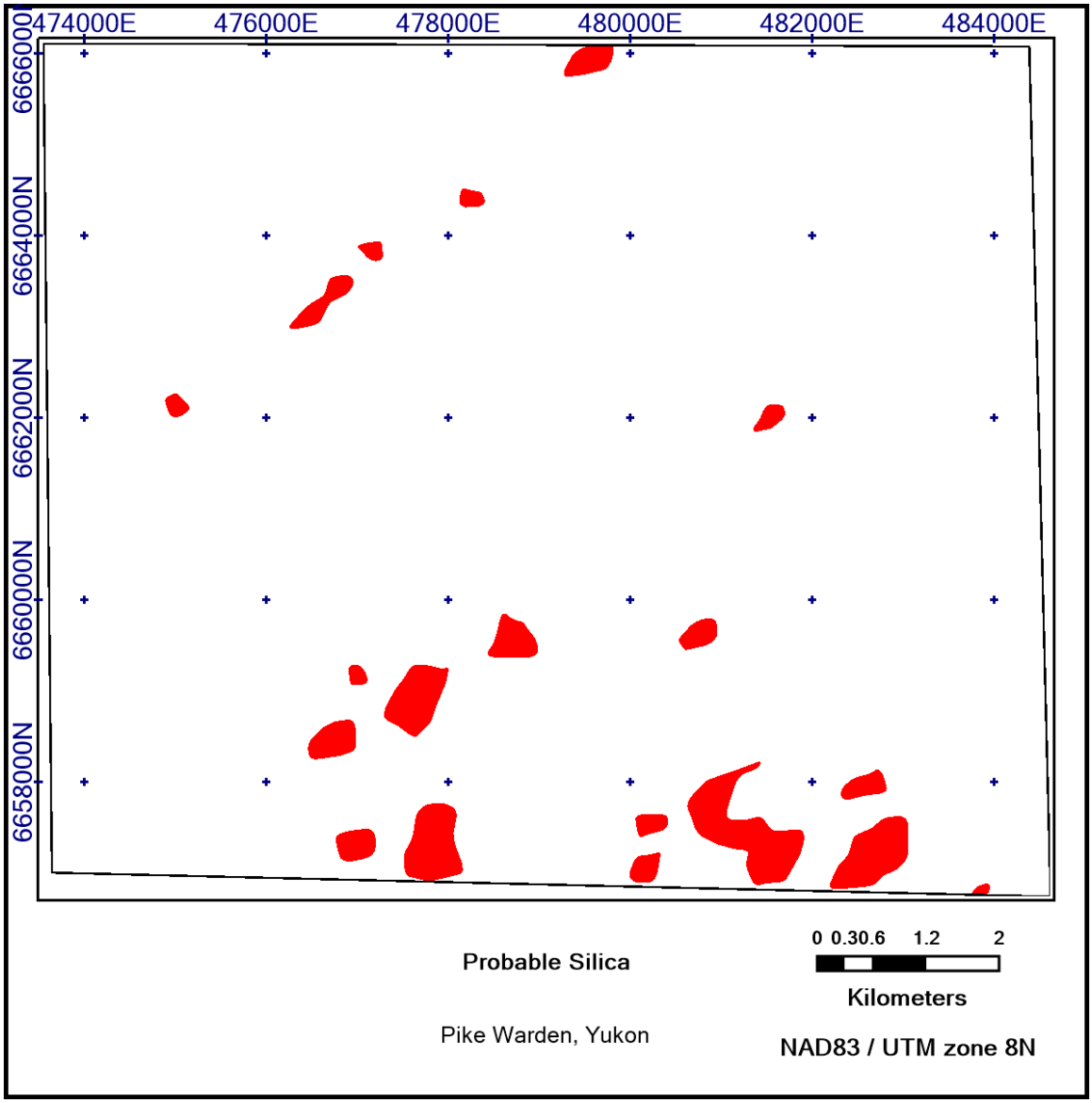


Figure 15: Polygons of probable ASTER silica.

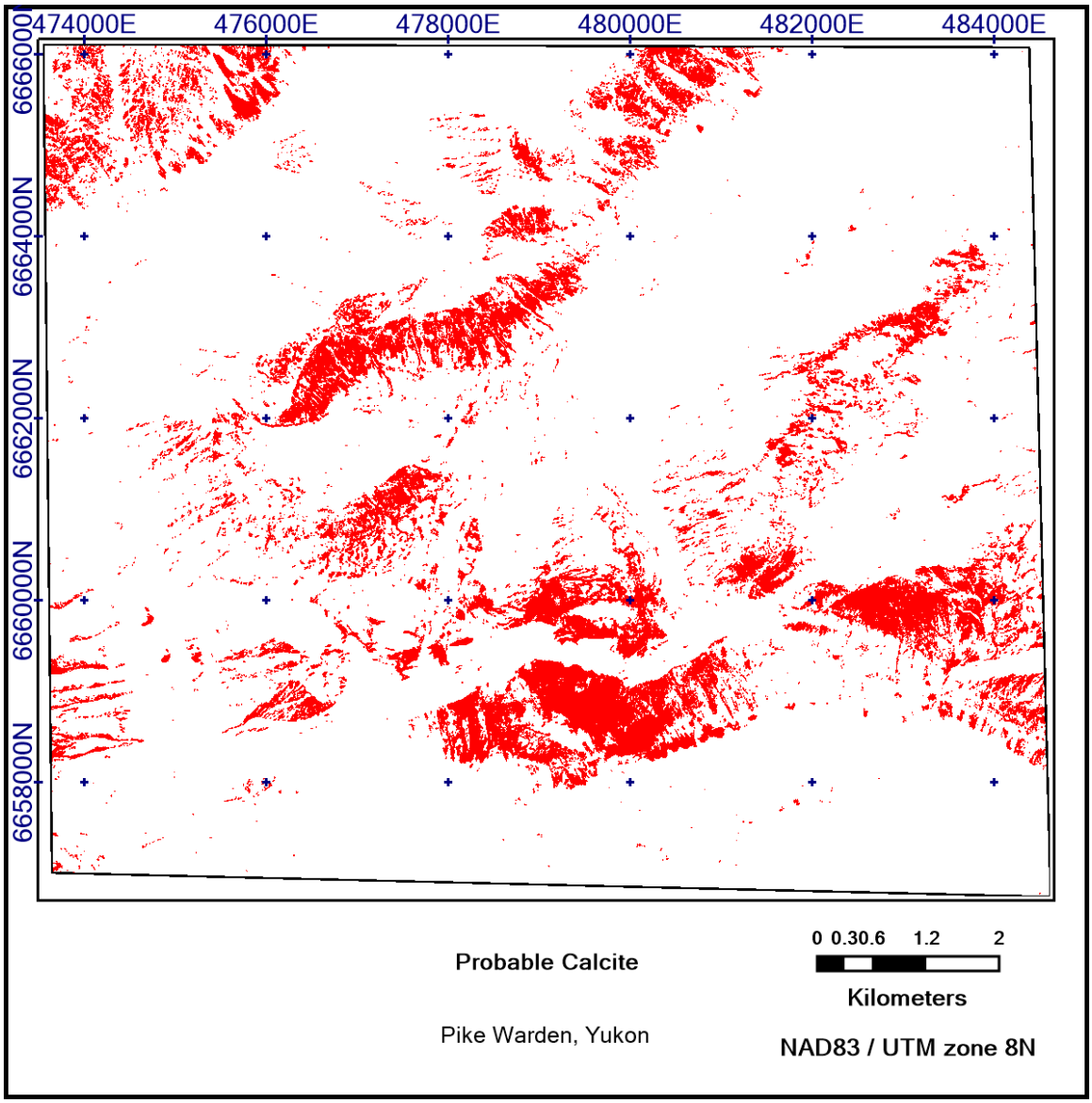


Figure 16: Polygons of probable WorldView-3 calcite.

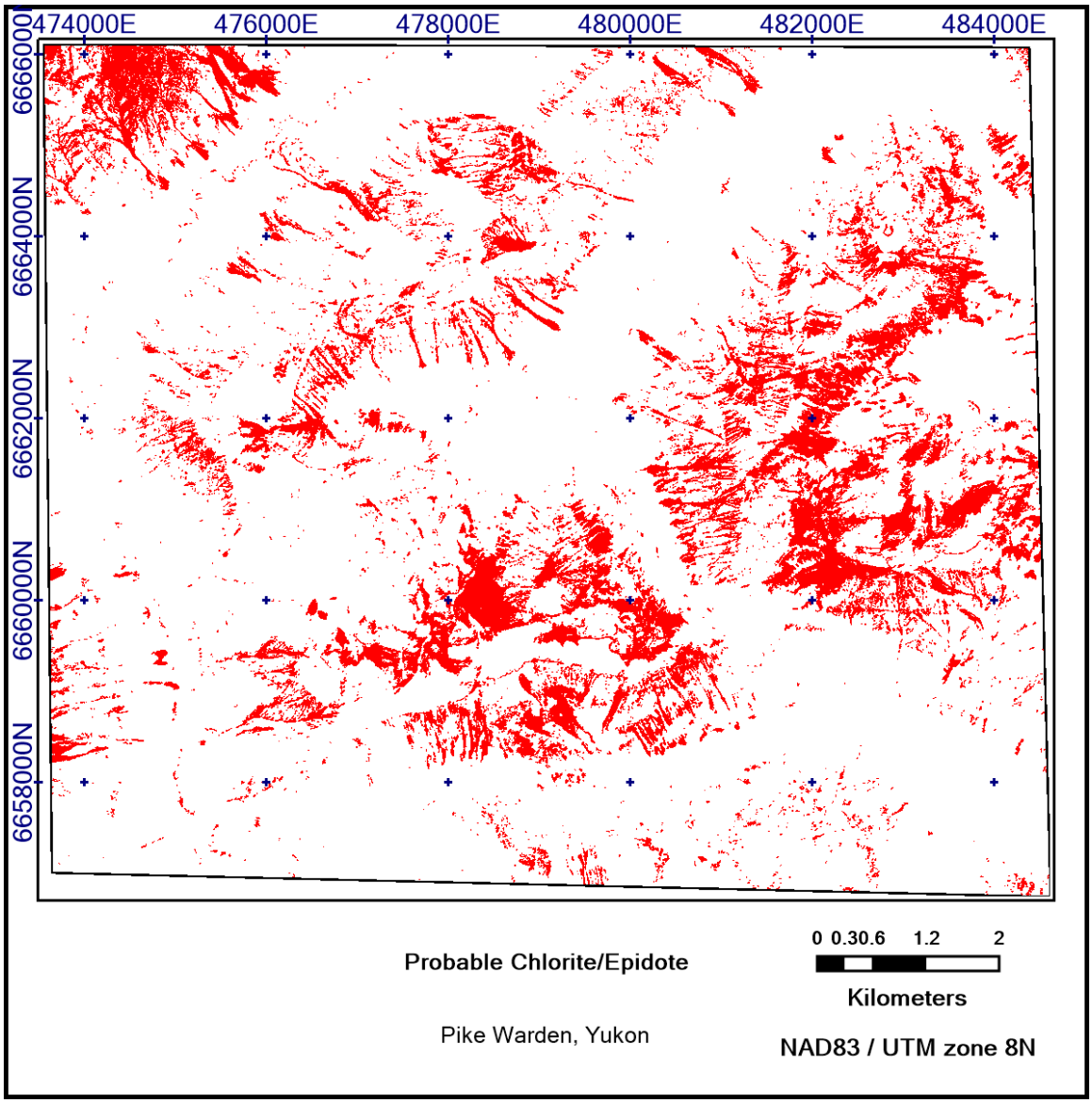


Figure 17: Polygons of probable WorldView-3 chlorite/epidote.

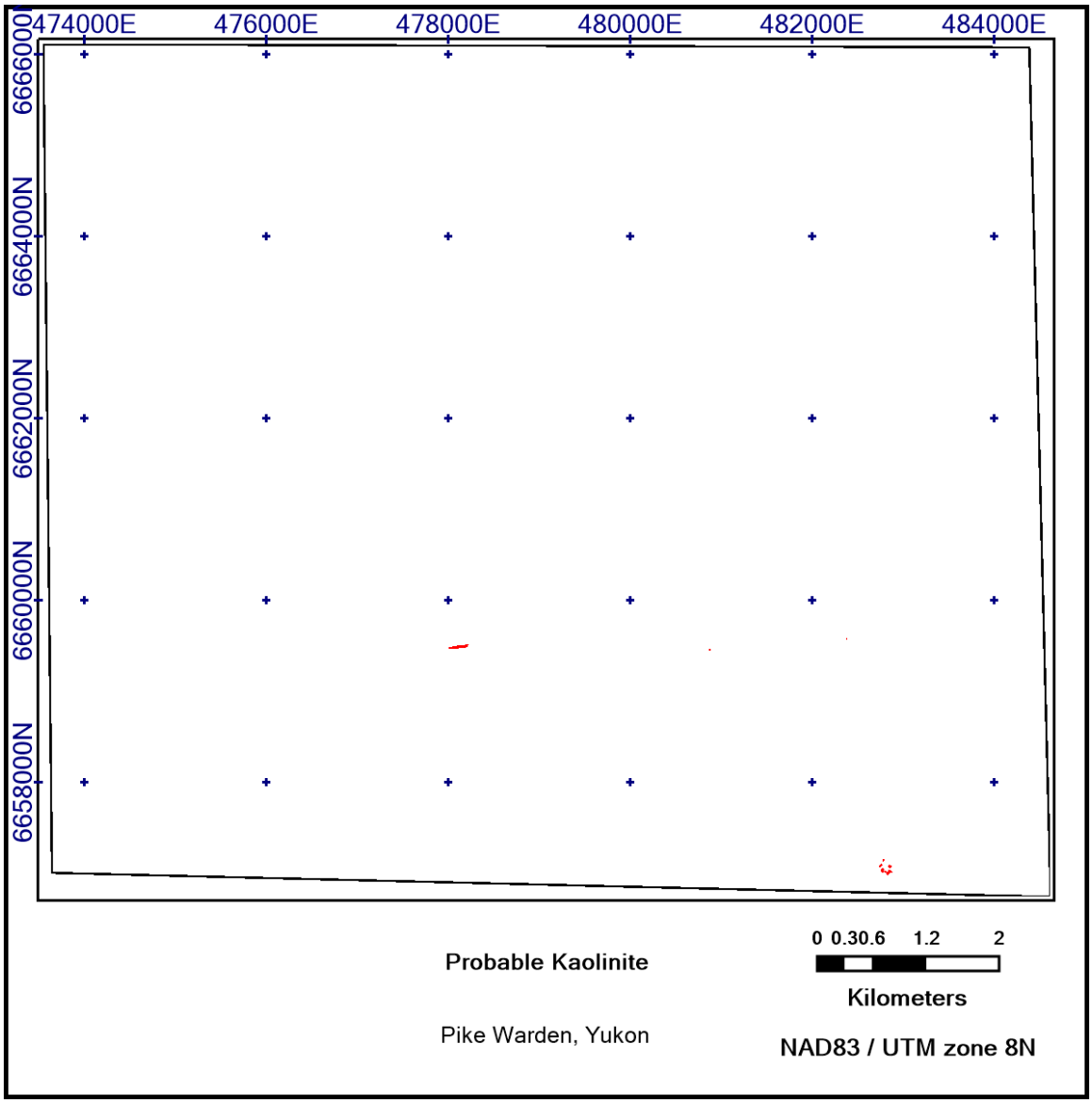


Figure 18: Polygons of probable WorldView-3 kaolinite.

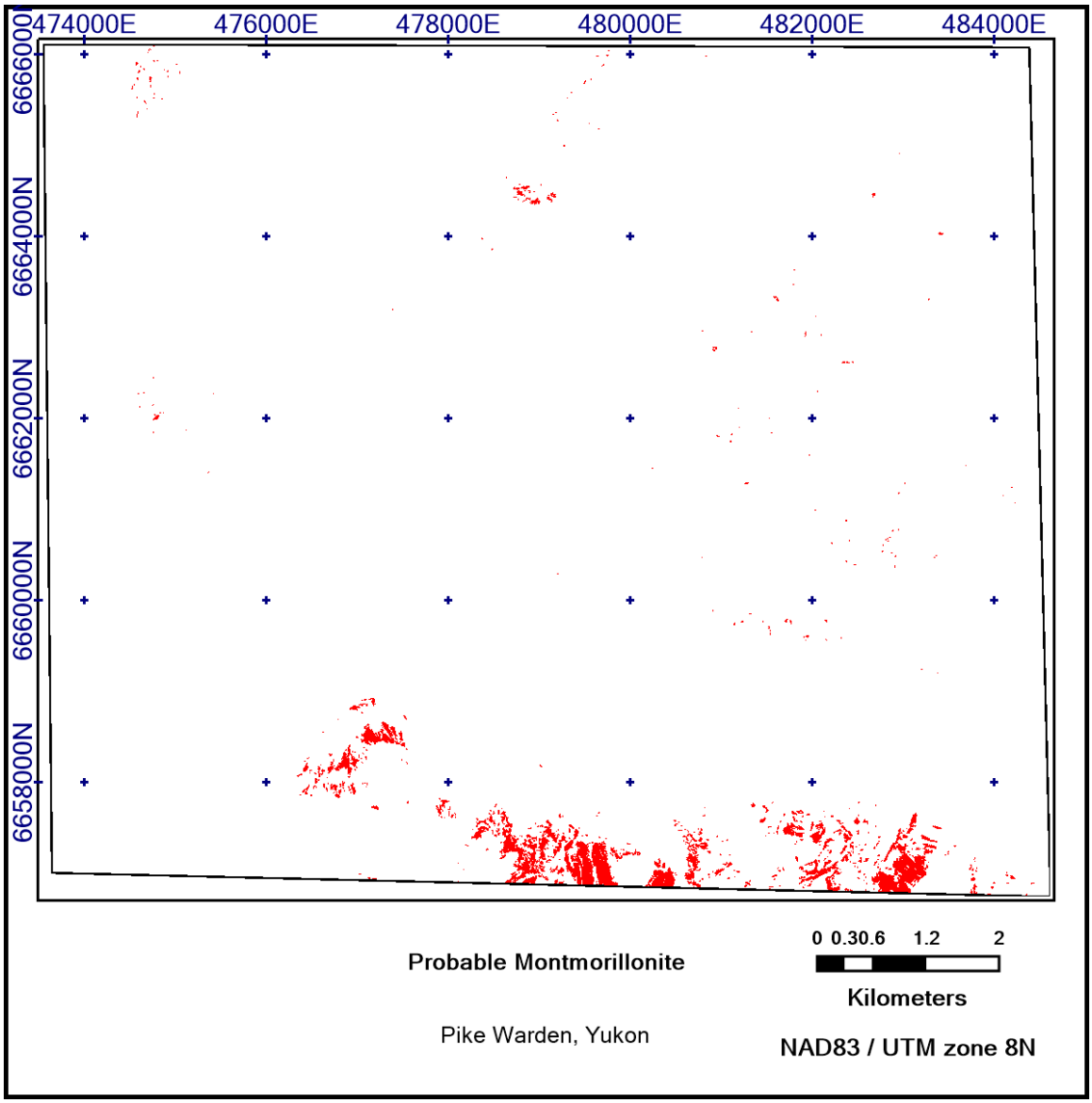


Figure 19: Polygons of probable WorldView-3 montmorillonite.

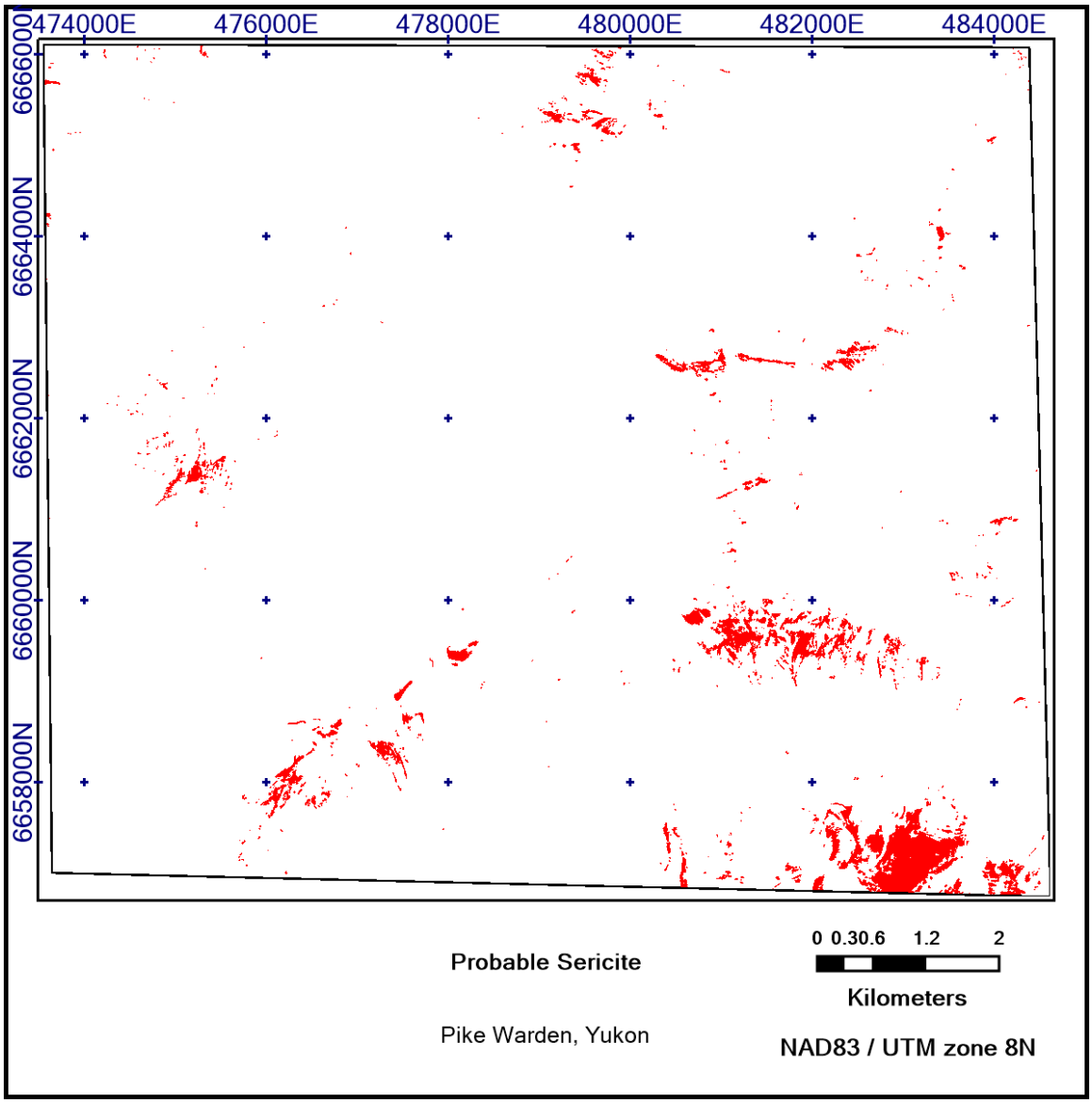


Figure 20: Polygons of probable WorldView-3 sericite.

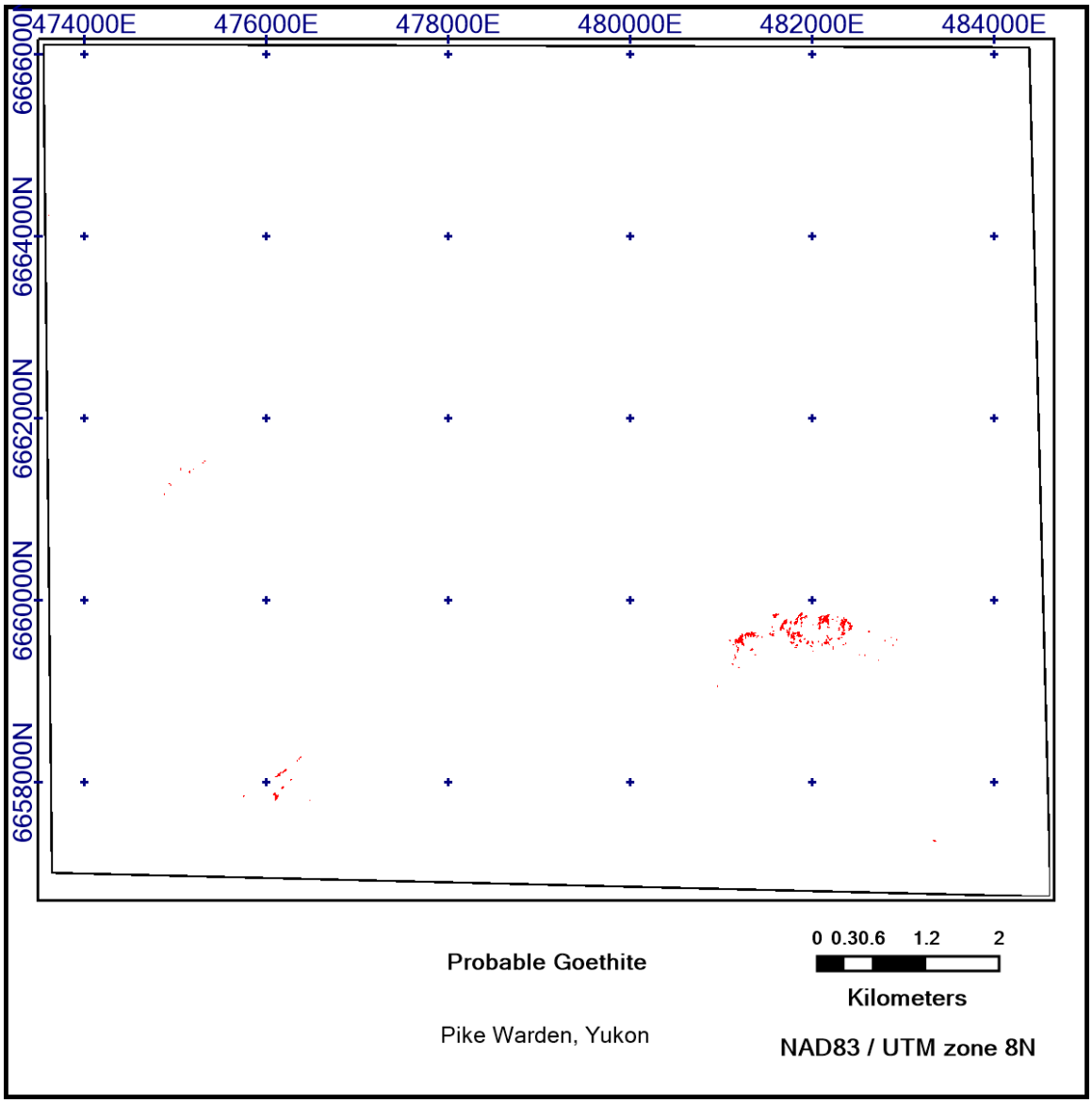


Figure 21: Polygons of probable WorldView-3 goethite.

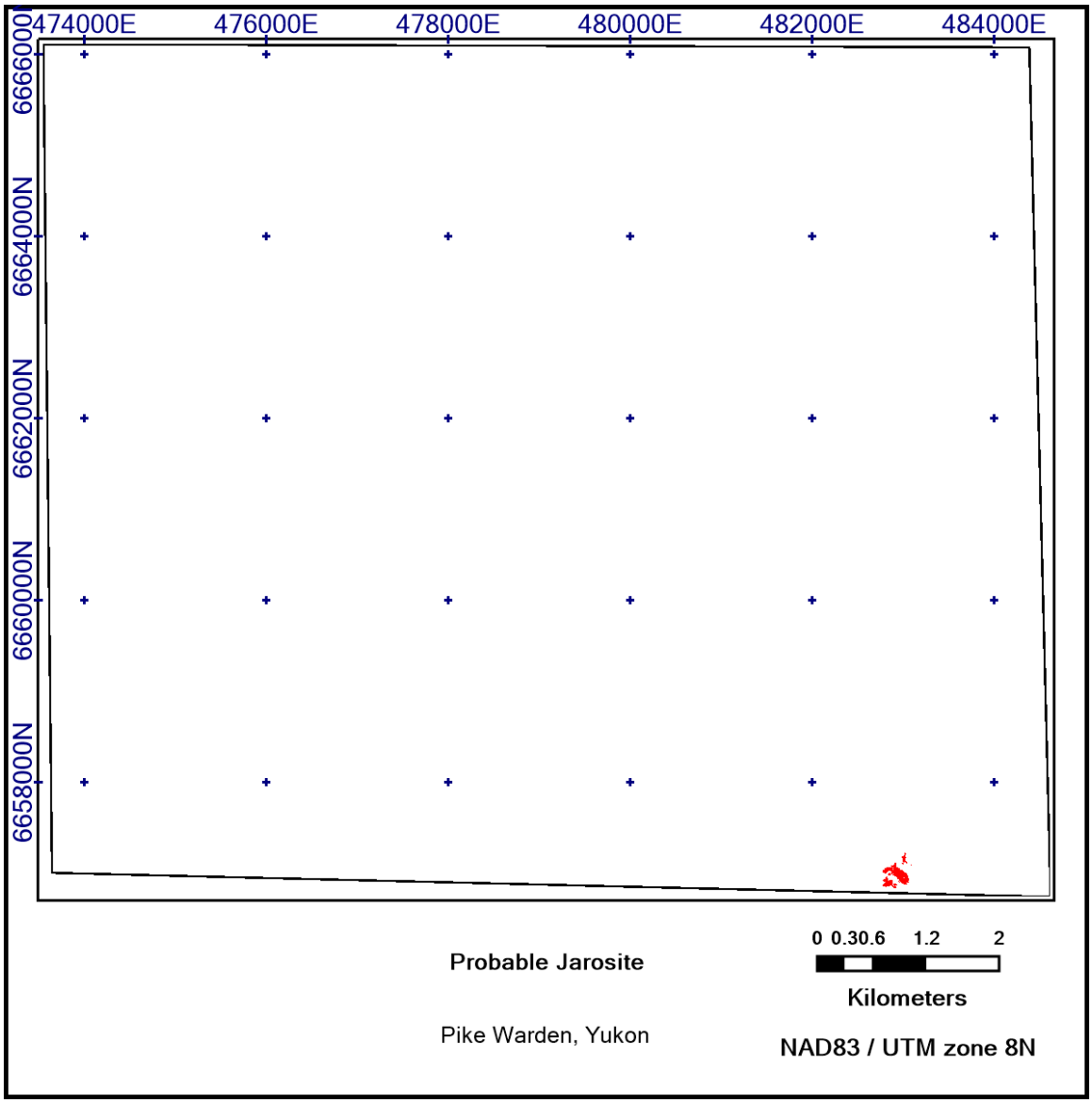


Figure 22: Polygons of probable WorldView-3 jarosite.

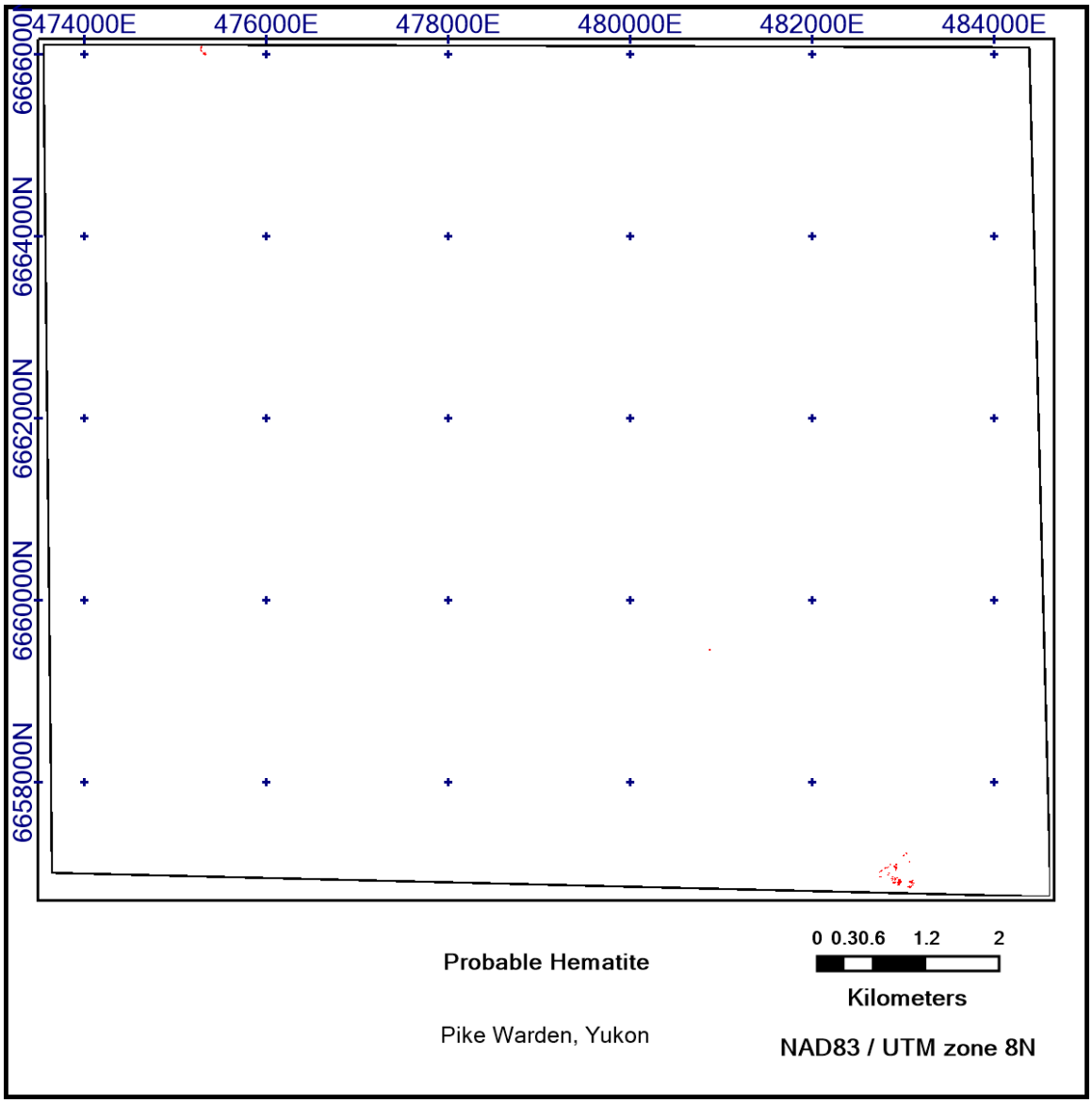


Figure 23: Polygons of probable WorldView-3 hematite.

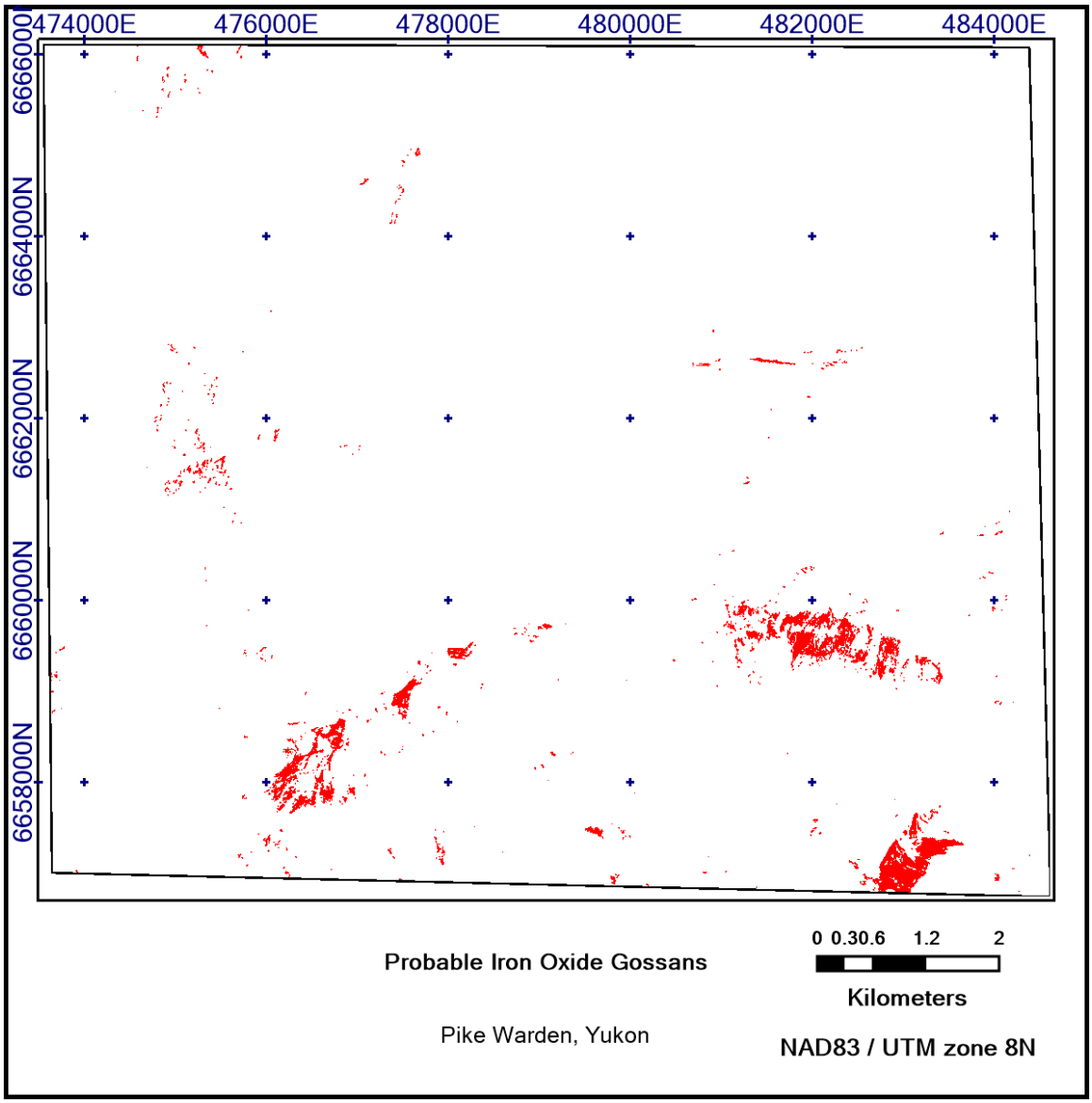


Figure 24: Polygons of probable WorldView-3 iron oxide gossans.

6.3 Context Images

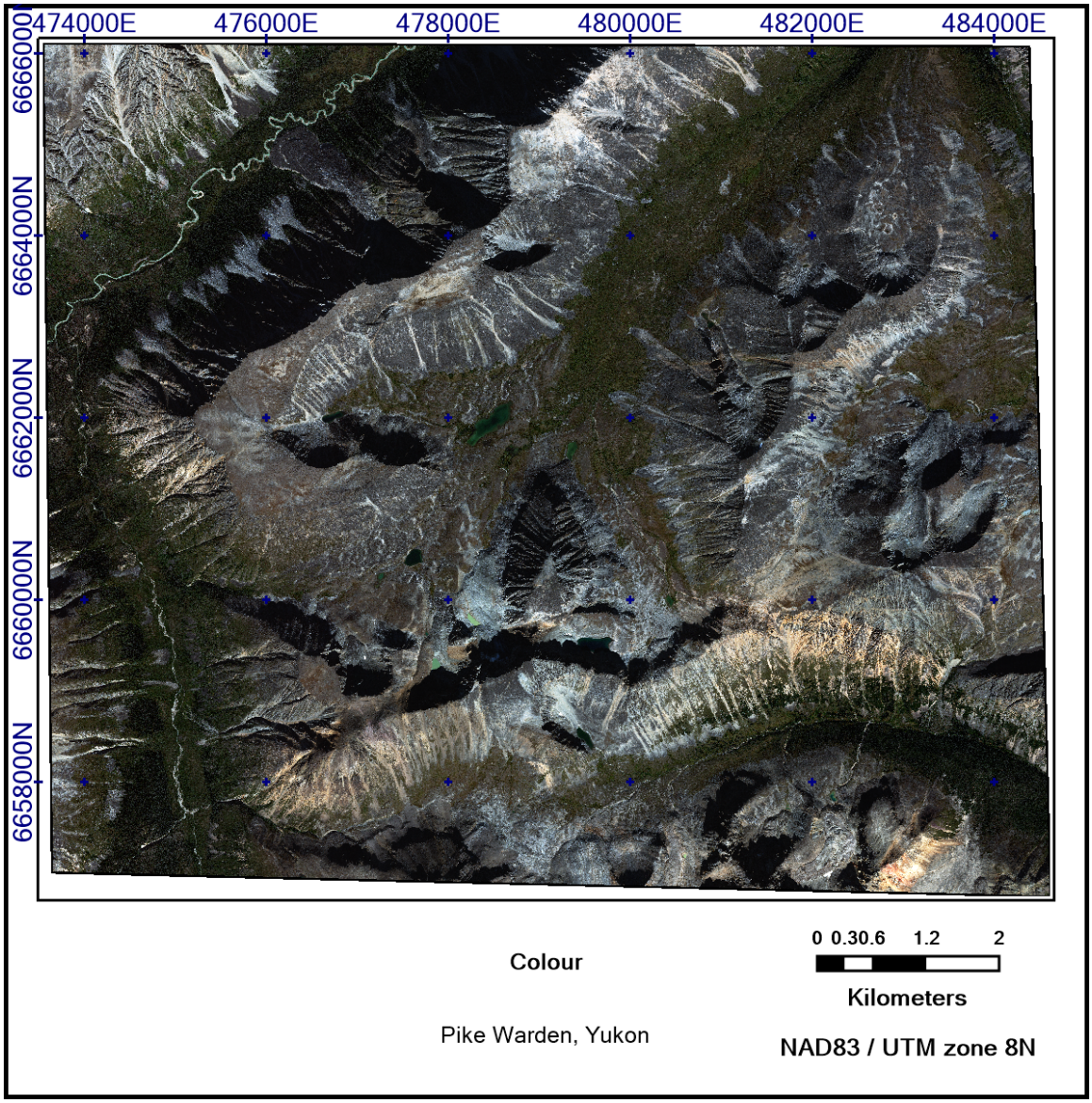


Figure 25: WorldView-3 colour image.

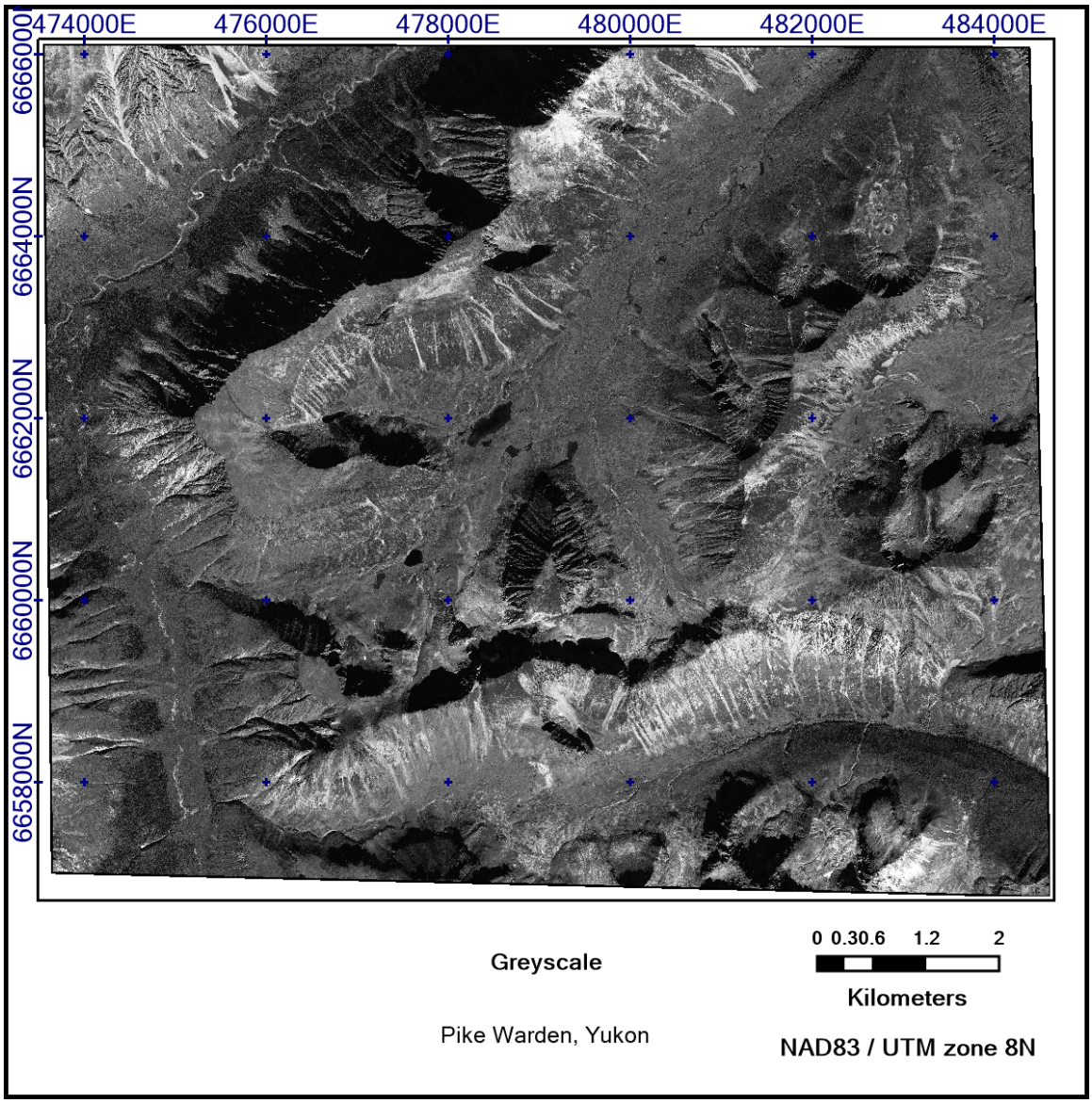


Figure 26: WorldView-3 greyscale image.

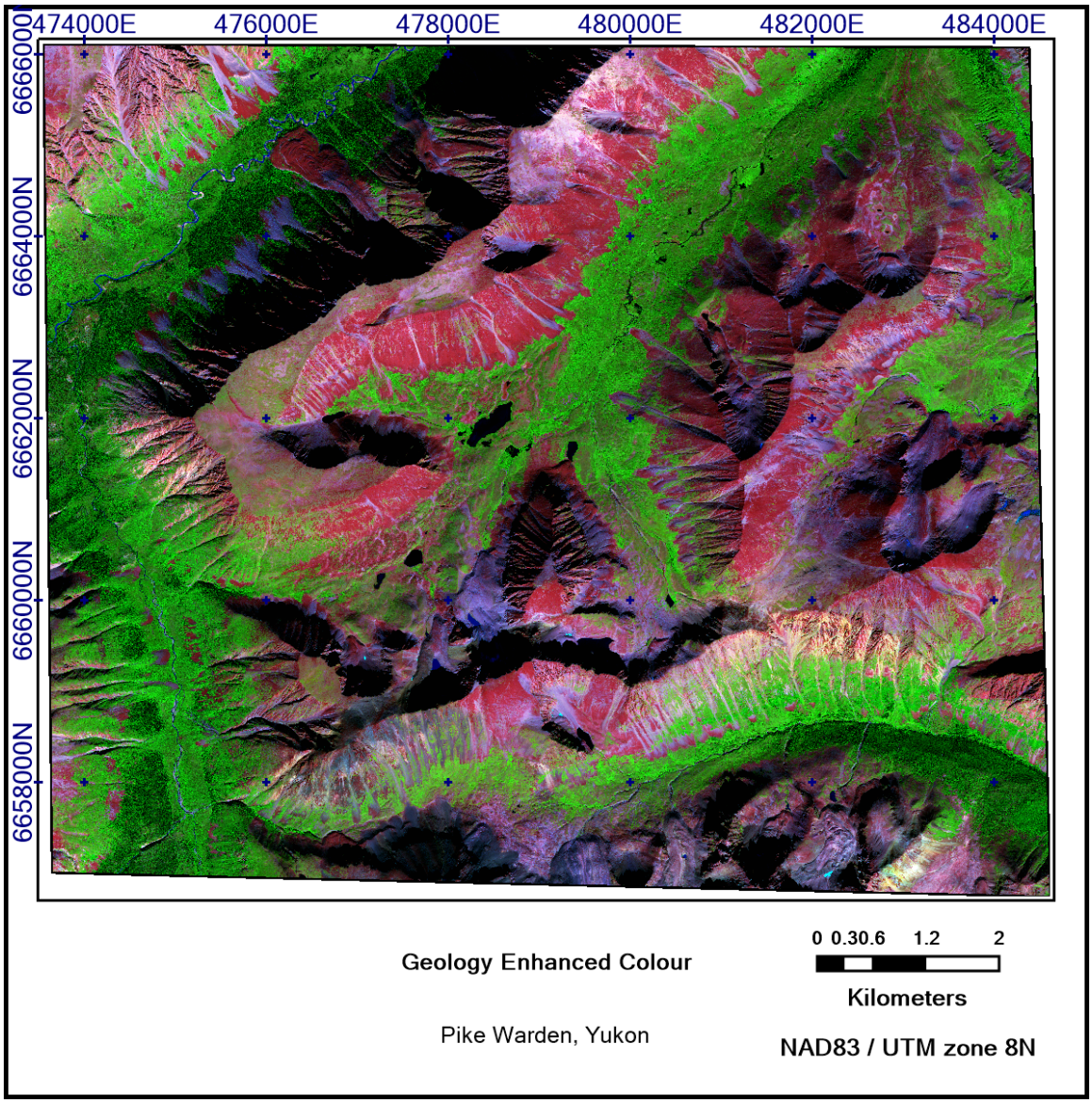


Figure 27: WorldView-3 geology enhanced colour image.

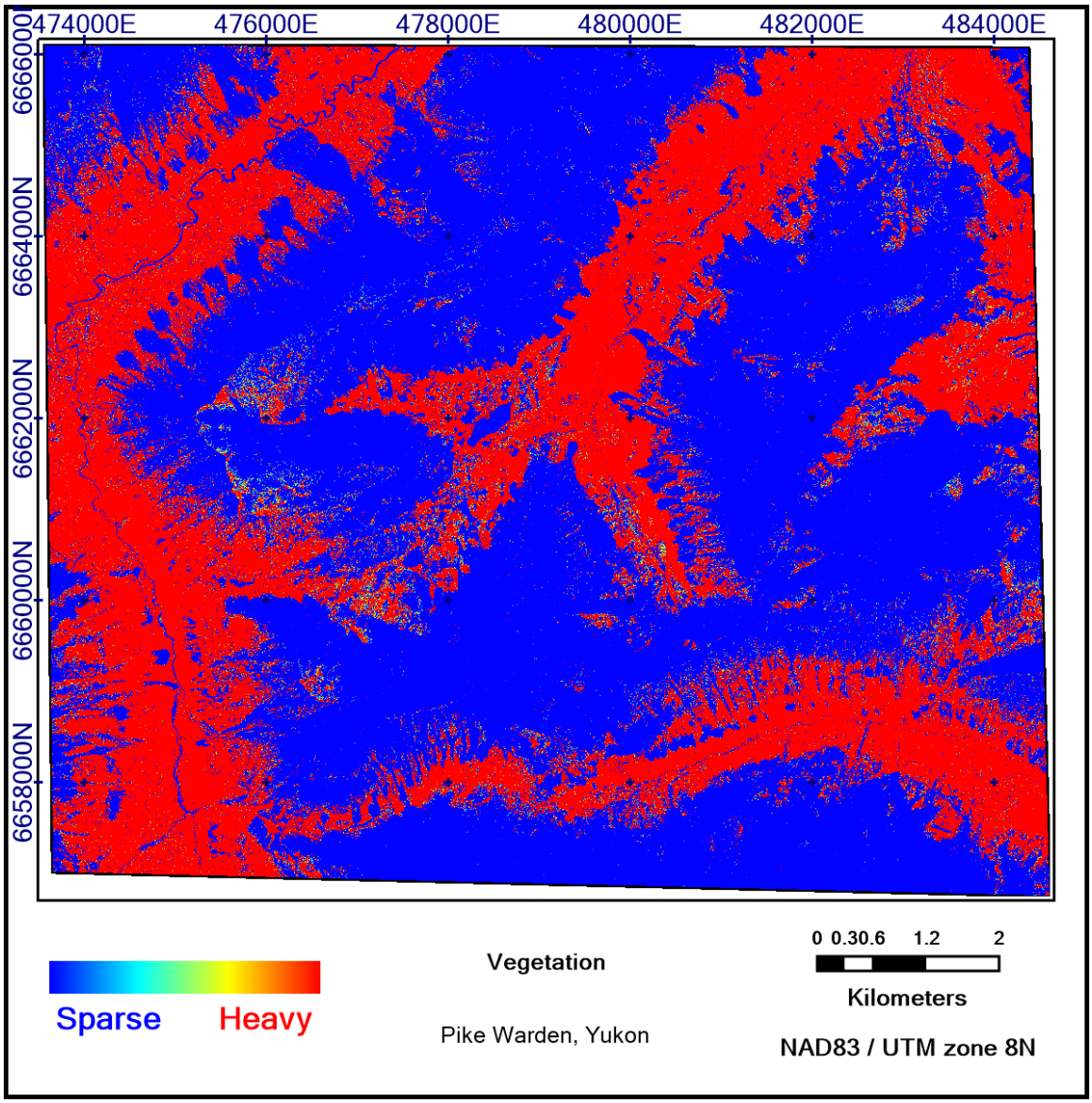


Figure 28: WorldView-3 vegetation image.

7 List of Delivered Products

7.1 Alteration

Format: 2m RGB and Single Band Geotiff
Shapefile of Full Alteration and Probable Alteration polygons:

- Opal/Chalcedony[4]- No probable response
- Silica[5]
- Calcite
- Chlorite/Epidote[6]
- Alunite - No probable response
- Kaolinite
- Montmorillonite
- Sericite[7]
- Goethite
- Jarosite
- Hematite
- Iron Oxide Gossans

We were not able to spectrally identify Buddingtonite

7.2 Context Images

Format: Geotiff

- 50cm Natural colour image
- 50cm Greyscale image
- 2m Geology enhanced colour image
- 2m Vegetation intensity

[4]PhotoSat cannot spectrally differentiate between opal and chalcedony with WorldView-3.
[5]ASTER Silica is a 75m geotiff not 2m.
[6]PhotoSat cannot spectrally differentiate between chlorite and epidote with WorldView-3.
[7]Sericite may consist of muscovite and/or illite and/or paragonite. The WorldView-3 satellite cannot differentiate between these micas.

Transition Metals

Airborne LIDAR Survey Logistics Report

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Introduction

On August 10th, 2023, Pioneer Exploration Consultants Ltd. (Pioneer) completed an airborne LIDAR survey in southern Yukon Territory. The survey was flown by Capital Helicopters with a Bell 206 Long Ranger helicopter. The survey was conducted at the request of Transition Metals Corp.

This report covers data acquisition, instrument descriptions, data processing and presentations. The digital data delivery is described later in this report. This report does not include any geological interpretations of the dataset. Key survey personnel are listed in Table 1.

Table 1: Personnel involved with the project.

Data Collection	Andrew Gagnon-Nandram
Data Processing and QA/QC	Jean-François Dionne

Location

The Pike Warden LIDAR survey is located in southern Yukon Territory, approximately 35 km west of Carcross, YT, Canada. The project was staged by helicopter from the Capital Helicopters hangar in Whitehorse, YT. The survey area boundary is illustrated in Figure 1, along with the location of the project in relation to Carcross, YT.

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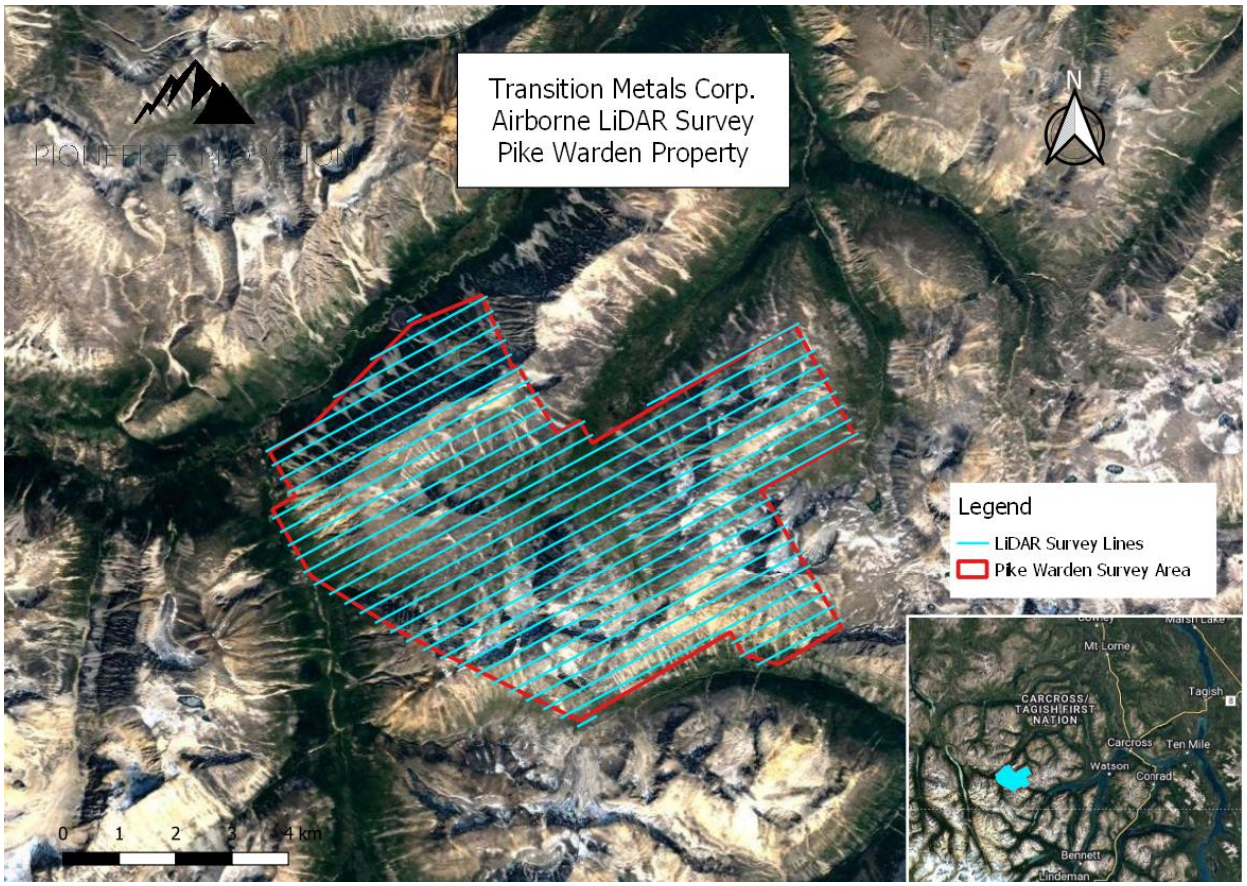

Figure 1: The Pike Warden LiDAR survey area is shown in red with the LiDAR survey flight lines overlain in blue. Inset, the location of the project is shown relative to Carcross, YT.

Data Processing and Calibration

LIDAR Calibration

The calibration process considered all errors inherent with the equipment including errors in GPS, IMU, and sensor specific parameters. Adjustments were made to achieve a flight line to flight line data match (relative calibration) and subsequently adjusted to control for absolute accuracy. Process steps to achieve this are as follows:

1. Rigorous LIDAR calibration: all sources of error such as the sensor's ranging and torsion parameters (lever arms values), atmospheric variables, GPS conditions, and IMU offsets were analyzed and removed to the highest level possible. This method addresses all errors, both vertical and horizontal in nature. Ranging, atmospheric variables, and GPS conditions affect the vertical position of the surface, whereas IMU offsets and torsion parameters affect the data horizontally. The horizontal accuracy is proven through repeatability: when the position of features remains constant no matter what direction

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the aircraft was flying and no matter where the feature is positioned within the swath, relative horizontal accuracy is achieved.

2. Absolute horizontal accuracy is achieved through the use of differential GPS with base lines shorter than 75 kilometres. The base station is set at a temporary monument that is Post Processed using NRCAN PPP over an observation period of over 6 hours to achieve an absolute position of less than 2.5cm in both horizontal and vertical accuracy locally. The same position is used for every lift, ensuring that any errors in its position will affect all data equally and can therefore be removed equally.

3. Novatel Inertial Explorer software is used to post process GPS base station in a first pass to achieve positional accuracy of the sensor. In a second operation IMU information is processing in a forward and backward solution to augment Yaw, Pitch, and Roll accuracies in a tightly coupled method without the use of any fitting mathematical methods. Additional input parameters can be used to lower inaccuracies of solutions including speed of initial forward momentum and fine adjustments of torsion parameters (lever arms values).

4. Vertical accuracy is achieved through the adjustment to ground control survey points within the finished product based off the position post processed at the base position to produce a locally coherent absolute position. Although the base station has absolute vertical accuracy, adjustments to sensor parameters introduces vertical error that must be normalized in the final (mean) adjustment. The minimum expected horizontal accuracy was tested during the boresight process to meet or exceed the ASPRS Standard for Spatial Data Accuracy for a Horizontal accuracy of 0.15 meter RMSE or better and a Vertical Accuracy of RMSE(z) ≤ 9.25 cm.

As no ground control was collected for this survey, only the GPS base was used for vertical adjustment. Base data was corrected using NRCAN PPP.

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Final Project Deliverables

1. Classified bare earth .LAZ v.1.4 point cloud
2. Digital Elevation Model (DEM) 0.5 m resolution in Geotiff format .tif
3. Orthophoto 10 cm resolution in Geotiff format .tif
4. All raw survey data and geodatabase digital files

Projections and Datums

UTM Projection

Horizontal Datum: NAD83 (CSRS) Zone 08 North

Vertical Datum: NRCAN Canadian Vertical Adjustment Geoid CGG2013a

Units: Meters

LIDAR Post-Processing and Qualitative Assessment

Data Classification and Editing

Pioneer Exploration Consultants Inc. completed processing on the LIDAR data using a combination of Phoenix Aerial Spatial Explorer 7.0.5 for initial processing of raw LIDAR returns and TerraSolid TerraScan for advanced classification and Terrasolid Terraphoto for the production of aerial orthomosaic products.

After the first extraction of Riegl MTA (Multiple Time Around) zones from the raw LIDAR returns, adjusted IMU/GNSS trajectories are imported to the project to create an initial correction. GCPs are imported to quantify initial accuracies to within acceptable margins or error. If results are satisfactory the next step of processing can follow.

Basic de-noising is applied and moved to a separate class before strip matching is applied.

All trajectories are sliced to only parallel lines with a minimum of 30% overlap on longitudinal zones of each strip. Initial corrected trajectories are extracted and matched with the validation of X,Y,Z and Yaw, Pitch and Roll flight pattern values. Dense linear correlation is applied to obtain a consistent elevation across multiple flight lines.

Strip adjusted flight lines are exported and Terrasolid project are created to import and post process the LIDAR returns.

The project defined tile boundary index encompassing the entire project area is created. and the LIDAR is imported into the project and tiled according to the project tile grid. Once tiled, the laser points are

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classified using a proprietary routine in Terrascan. This more stringent routine removes all outliers from the dataset following which the ground layer is extracted from the point cloud. The ground extraction process encompassed in this routine takes place by building an iterative surface model.

This surface model is generated using three main parameters: building size, iteration angle and iteration distance. The initial model is based on low points being selected by a "roaming window" with the assumption is that these are the ground points. The size of this roaming window is determined by the building size parameter. The low points are triangulated and the remaining points are evaluated and subsequently added to the model if they meet the iteration angle and distance constraints. This process is repeated until no additional points are added within iterations. A second critical parameter is the maximum terrain angle constraint, which determines the maximum terrain angle allowed within the classification model.

Terrascan is also used to create model key points. An algorithm is defined that intelligently thins bare earth ground points so that points necessary to define breaks and elevation changes in the terrain are kept while unnecessary or redundant points are not included in the model key points. The model key points are then written to its own file, according to the project tile grid.

Terrascan is used to create the bare earth only LIDAR tiles, first return only LIDAR tiles, and last return only LIDAR tiles. For bare earth only LIDAR tiles, class 2 points are filtered from the full point cloud data and written to its own file, according to the project tile grid.

For first return and last return tiles, the desired echo return is filtered from the full point cloud and written to its own file, according to the project tile grid. The first return and last return files include the desired return from all classes. The points for these files are located in class 1.

After all processing and classification has been completed, Terrascan is used to update the LAS version, projection information, creation day, and creation year of every LIDAR file.

Orthophoto Settings

Camera:	Sony Alpha 7R IV
Focal Length	21 mm
Aperture	f/5.6
Shutter Speed	1/500 s
ISO	Auto

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Appendix 1: Instrument Settings

LIDAR Instrument settings for this survey:

RIEGL

RIPARAMETER 2.4.0

Time / Date:	09:10:10 / 02.08.2023											
Author:	NONE											
Project Name:	transition metals											
Project Information:	NONE											
Scanner Settings:												
Device Type:	VUX-240											
Meas. Prog.:	300 kHz											
PRR:	300	kHz										
Laser Power Level:	100	%										
Laser Program:	2											
Angular Step Width:	0.0295	deg										
Scan Rate:	98.3	lps										
FOV of Scanner:	75.0	deg										
FOV of Single Lidar Channel:	75.0	deg										
Flight Parameters:												
Height AGL:	427	m	1400	ft								
Height AMSL:	427	m	1400	ft								
Speed:	25.7	m/s	50.0	kn	92.6	km/h						
Scan Pattern:	Minimum Terrain Altitude:				Maximum Terrain Altitude:				Min. Terrain Altitude excl. Overlap:			
Point Distance:												
MIN:	0.220	m	0.721	ft	0.220	m	0.721	ft	0	m	0	ft
AVG:	0.258	m	0.845	ft	0.258	m	0.845	ft	0	m	0	ft
MAX:	0.349	m	1.15	ft	0.349	m	1.15	ft	0	m	0	ft
Footprint Diameter:												
MIN:	0.106	m	0.346	ft	0.106	m	0.346	ft	0	m	0	ft
AVG:	0.114	m	0.375	ft	0.114	m	0.375	ft	0	m	0	ft
MAX:	0.133	m	0.437	ft	0.133	m	0.437	ft	0	m	0	ft
Line Distance:	0.262	m	0.858	ft								
Swath Width:	655	m	2149	ft	655	m	2149	ft	0	m	0	ft
Lateral Strip Separation:	295	m	967	ft								
Overlap Per Side:	360	m	1182	ft	360	m	1182	ft				
Sidelap Per Side:	55.0	%			55.0	%						
Point Density:												
MIN:	11.0	pts/m²			11.0	pts/m²			0	pts/m²		
AVG:	14.8	pts/m²			14.8	pts/m²			0	pts/m²		
MAX:	17.4	pts/m²			17.4	pts/m²			0	pts/m²		
MTA Zones Used:												
MTA Zone Width:	500	m	1639	ft								
MTA Zone MIN:	1											
MTA Zone MAX:	2											
Productivity:												
Net Area Rate:	27.3	km²/h										
Typ. Data Rate:	16.2	GB/h										
Max. Data Rate:	33.3	GB/h										
Laser Safety Information:							Reference:					
NOHD:	0	m	0	ft	0	%	427	m	1401	ft		
ENOHD:	0	m	0	ft	0	%	427	m	1401	ft		
Laser standard:	2014											
Auxiliary Limits:							Reference:					
Max. Meas. Range Used:	579	m	1899	ft	78.0	%	740	m	2428	ft		
Scan Rate Range Prod.:	56913	m*lps			38.0	%	150000	m*lps				
MTA Zone List:												
MTA Zone 1:	0	-	500	m	0	-	1639	ft				
MTA Zone 2:	500	-	999	m	1639	-	3279	ft				

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Appendix 2: Instrument Specification

Please refer to attached documentation for instrument details

PHOENIX LiDAR SYSTEMS

NEW PRODUCT

RANGER XL

The **Ranger XL** is a lightweight airborne laser scanner, especially designed for use on UAS and small manned aeroplanes or helicopters. With its wide field of view of 75 degrees and an extremely fast data acquisition rate of up to 1.8 MHz, the **Ranger XL** is perfectly suited for high point density corridor mapping applications such as power line, railway track and pipeline inspection.

FEATURES

» Easily mountable to unmanned platforms (UAVs) and to helicopters, gyrocopters, and other small manned aircrafts.

» Operating flight altitude up to 1,400 m / 4,600 ft

» Scan speed up to 400 lines/second

VTOL UAV HELI PLANE

QUICK SPECS

Absolute Accuracy
25-50 mm @ 350 m Range

PP Attitude Heading RMS Error
0.010° / 0.019° IMU options

Weight (including AIR NavBox)
5 kg / 11 lbs

Dimensions (with AIR NavBox)
348.5 x 164 x 189 mm

Laser Range
900 m @ 20% Reflectivity

Scan Rate
1800 kHz, up to 15 returns

APPLICATIONS

» Utilities Mapping

» Railway Track Mapping

» Agriculture & Forestry Monitoring

» Open Pit Mining Operations

» General Mapping

PLATFORM

OVERALL DIMENSIONS (with AIR NavBox)	352 x 164 x 185 mm
OPERATING VOLTAGE	18 - 34 V DC
POWER CONSUMPTION	75 W
OPERATING TEMPERATURE	-10° - +40° C
WEIGHT (including Air NavBox)	4.4 kg / 11 lbs

LiDAR SENSOR

LASER PROPERTIES	1550 nm
RANGE MIN	5 m
MAX EFFECTIVE MEASUREMENT RATE	up to 1,500,000 meas./sec
HORIZONTAL FIELD OF VIEW	75°
ACCURACY	20 mm
PRECISION	15 mm
LASER BEAM DIVERGENCE	0.35 mrad
LASER BEAM FOOTPRINT (GAUSSIAN BEAM DEFINITION)	35 mm @ 100 m, 175 mm @ 500 m, 350 mm @ 1000 m
MAX MEASURING RANGE ρ 20% (ρ 60%)	900 m (1400 m)
SENSOR CLASSIFICATION	IP64 dust and splash-proof
WEIGHT	≤ 3.8 kg (without IMU/GNSS)
POWER CONSUMPTION	65 W

RANGER XL DIMENSIONS (mm)

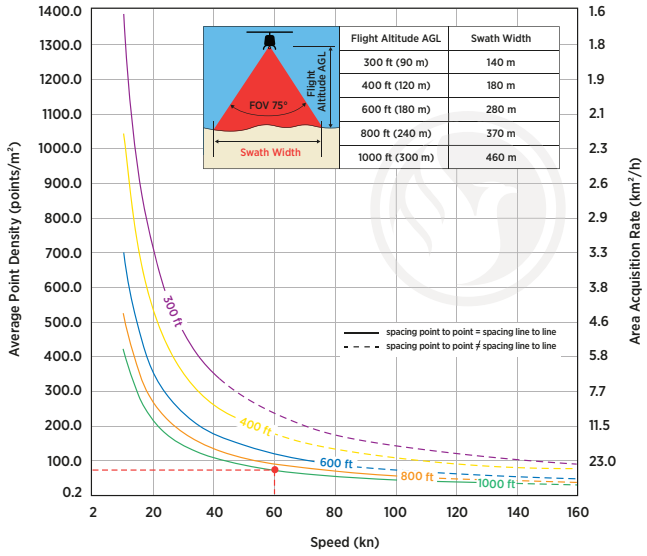
RANGE MEASUREMENT PERFORMANCE

Laser Pulse Repetition Rate PRR [1]	150 kHz	300 kHz	600 kHz	1200 kHz	1800 kHz
Max. Measuring Range [2] [3] natural targets ρ ≥ 20% natural targets ρ ≥ 60%	1200 m 1900 m	850 m 1400 m	650 m 1050 m	450 m 750 m	350 m 650 m
Max. Operating Flight Altitude AGL [2] [4] @ ρ ≥ 20% @ ρ ≥ 60%	900 m (2950 ft) 1400 m (4600 ft)	600 m (1950 ft) 1050 m (3450 ft)	500 m (1650 ft) 900 m (2950 ft)	350 m (1150 ft) 550 m (1800 ft)	250 m (800 ft) 500 m (1650 ft)
Max. Number of Targets per Pulse [5]	15	15	15	8	5

1) Rounded average PRR.
2) Typical values for average conditions and average ambient brightness. In bright sunlight, the max. range is shorter than under an overcast sky.
3) The maximum range is specified for flat targets with size in excess of the laser beam diameter, perpendicular angle of incidence, and for atmospheric visibility of 23 km. Range ambiguities have to be resolved by multiple-time-around processing.
4) Effective FOV 75°, additional roll angle ± 5°.
5) If the laser beam hits, in part, more than one target, the laser's pulse power is split accordingly. Thus the achievable range is reduced.

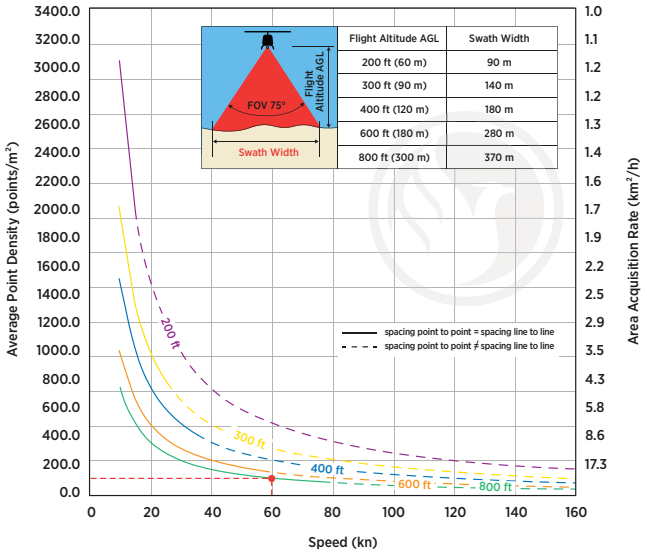
MAX MEASUREMENT RANGE & POINT DENSITY RANGER XL

PRR = 1200kHz



EXAMPLE	VUX-240 at 1,200,000 pulses/sec, laser power level 100% Altitude = 1,000 ft AGL, Speed 60kn	RESULTS Point Density - 60 pts/m²

PRR = 1800kHz



EXAMPLE	VUX-240 at 1,800,000 pulses/sec, laser power level 100% Altitude = 800 ft AGL, Speed 60kn	RESULTS Point Density - 120 pts/m²

RANGER XL ACCESSORIES

Nadir PhaseOne

Nadir and Oblique PhaseOne

Heli-Mount

EXPLORE A PHOENIX LiDAR SYSTEM FOR YOUR TEAM, CONTACT US!

PhoenixLiDAR.com | sales@phoenixlidar.com | USA +1.323.577.3366

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Pike Warden – Lineament Study

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1.0 INTRODUCTION

The lineament study for Pike Warden was conducted manually in QGIS using multiple datasets from the project database. The LiDAR, orthophoto, and multispectral data collected in summer 2023 were combined with the 2021 airborne geophysical survey to integrate and interpret these new datasets. The objective of this lineament study is to identify possible new targets for ground truthing or further exploration in the future. Much of the mineralization observed across the property is structurally controlled or structurally hosted, so an in-depth analysis of the LiDAR data may reveal potential targets. Combining the LiDAR data with additional mineralogical, geological, and geophysical data will allow for a more robust data interpretation and better supported target generation.

This report provides an overview and description of the process used to create the lineaments layer, along with a brief section with initial conclusions. Small size versions of individual maps are included in the appendix at the end of this report. The full resolution maps are stored on the cloud here:

M:\TMC Internal (Team Folder)\Technical_Data\Yukon\2_Property\PikeWarden\08_Reports\2023 Lineament Study

2.0 LINEAMENT STUDY PROCESS

A new shapefile layer was created in QGIS for representing lineaments. Three fields were added to the attribute table: Certainty, DataBase, and geoph_lyr. Certainty expresses the amount of confidence in the line being drawn, and can be low, medium, or high. DataBase denotes the data type that is being analyzed (e.g., LiDAR, geophysics, etc.). geoph_lyr is a further qualifier for the DataBase field that identifies which specific geophysical layer (e.g., analytical signature, total magnetic intensity). As the lineament study continued, the geoph_lyr was expanded and now is an additional data qualifier; the multispectral data for example uses the geoph_lyr to differentiate between each of the alteration mineral layer lineaments (e.g., chlorite, montmorillonite, etc.). These three fields were filled out for every line drawn in this study (3,312 at the time of this report) so they could be categorized and displayed with appropriate symbology for additional analysis.

2.1 LIDAR

The LiDAR tiles processed and delivered by Pioneer Exploration Consultants Ltd. were merged into one DEM layer and clipped to the property boundary. The layer was displayed with a hillshade, and one round of lines were drawn with the angle of the light at 45 degrees, and the layer was re-analyzed with the angle of the light changed to 90 degrees to highlight any features that may have been hidden by the first light angle.

2.2 ORTHOPHOTOGRAPHY

The colour orthophoto received from PhotoSat was also used in the lineament study. The orthophoto allowed for visual interpretation of structures, such as the various rhyolite dikes present across the property. Additionally, variations in colour could be used to propose possible contacts or zones of alteration or mineralization.

2.3 GEOPHYSICS

Please note that these layers were from the 2021 airborne survey, prior to the staking of the LION claims. Therefore, there was no data over those claims and thus no inferred lineaments could be drawn.

2.3.1 CALCULATED VERTICAL GRADIENT

The calculated vertical gradient sharpens the magnetic signature from relatively shallow sources while reducing the signature from deeper sources, including regional gradients. This layer was interpreted for lineaments because the enhancement of near-surface anomalies would allow more detail to be gained in this geophysical layer compared to the total field layers.

2.3.2 ANALYTICAL SIGNATURE

The analytical signature layer was also used in the study to observe any possible lineaments defined by the maximum amplitudes over the magnetization contrasts. This layer was used because locations of these maxima indicate magnetic sources, which could represent possible occurrences of mineralization that could then be ground-truthed.

2.3.3 RADIOMETRICS

The potassic signature geophysical layer was analyzed due to the potential of porphyry style mineralization on the property. The potassic alteration zone indicates close proximity to the core of porphyry copper deposits. By determining where the alteration zone(s) may lie on the property, exploration efforts can be better targeted. Additional radiometric layers can be done in the future as well if they are deemed useful.

2.4 MULTISPECTRAL DATA

The multispectral data received from PhotoSat was also included in this study. The remote sensing program used satellite imagery of the property as a basis for mapping out the location of 13 alteration minerals (opal/chalcedony, calcite, chlorite-epidote, alunite, kaolinite, montmorillonite, sericite, buddingtonite, goethite, jarosite, hematite, iron oxide gossans, and silica). There was no buddingtonite detected, and only “possible” areas/levels of opal/chalcedony, alunite, goethite, jarosite, and hematite were detected so they were not used in the lineament study. Additionally, the resolution of the silica map was not high enough to be useful for lineaments, so it was also not included. Only the “probable” layers were looked at, to help increase the level of confidence in the overall lineament study. Identifying lineaments from this data ties in the various types of alteration observed across the property.

3.0 INTERPRETATIONS & DISCUSSION

This study resulted in various lineaments being inferred when combining some of the data currently available for Pike Warden. A map displaying all the lineaments created at the time of this report is shown in Figure 1.

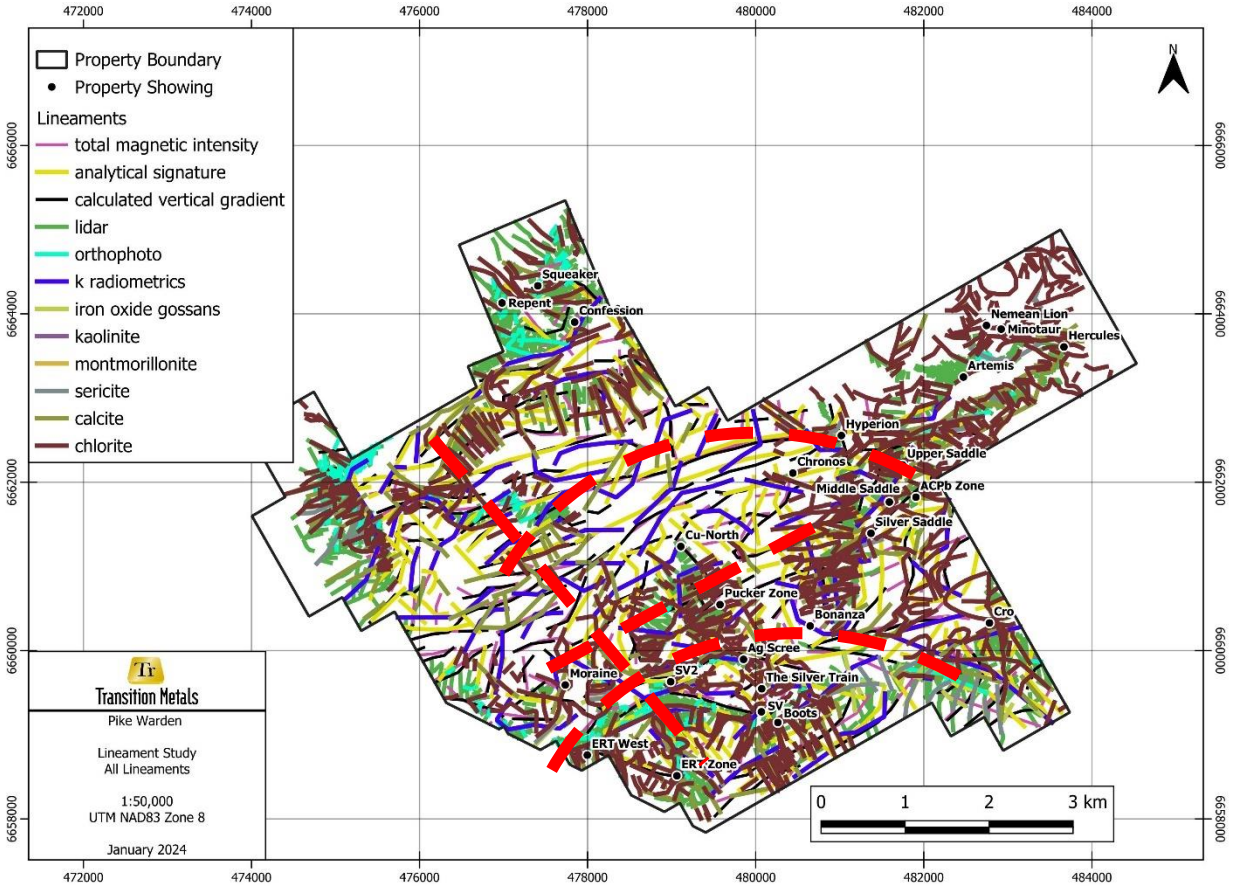

Figure 1: All inferred lineaments displayed within the property boundary with the main 3 orientation sets denoted with red dashed lines.

This map is busy and difficult to use to pick out more delicate trends at this smaller size (there is a full-size ANSI E PDF available on the cloud), but there appear to be three main orientations of lineaments: E-W concentric, NW-SE, and NE-SW. These orientations are highlighted with red dashed lines.

The concentric lineaments are found in two main areas: around the SV2/Ag Scree showings, and then further north passing through the Upper Saddle/Hyperion showings. The other two sets of lineaments do not appear to be as constricted and can be observed across the property.

The geophysical and the multispectral-derived lineaments were then broken out separately to observe as two groups. First, the geophysical lineaments are shown in Figure 2.

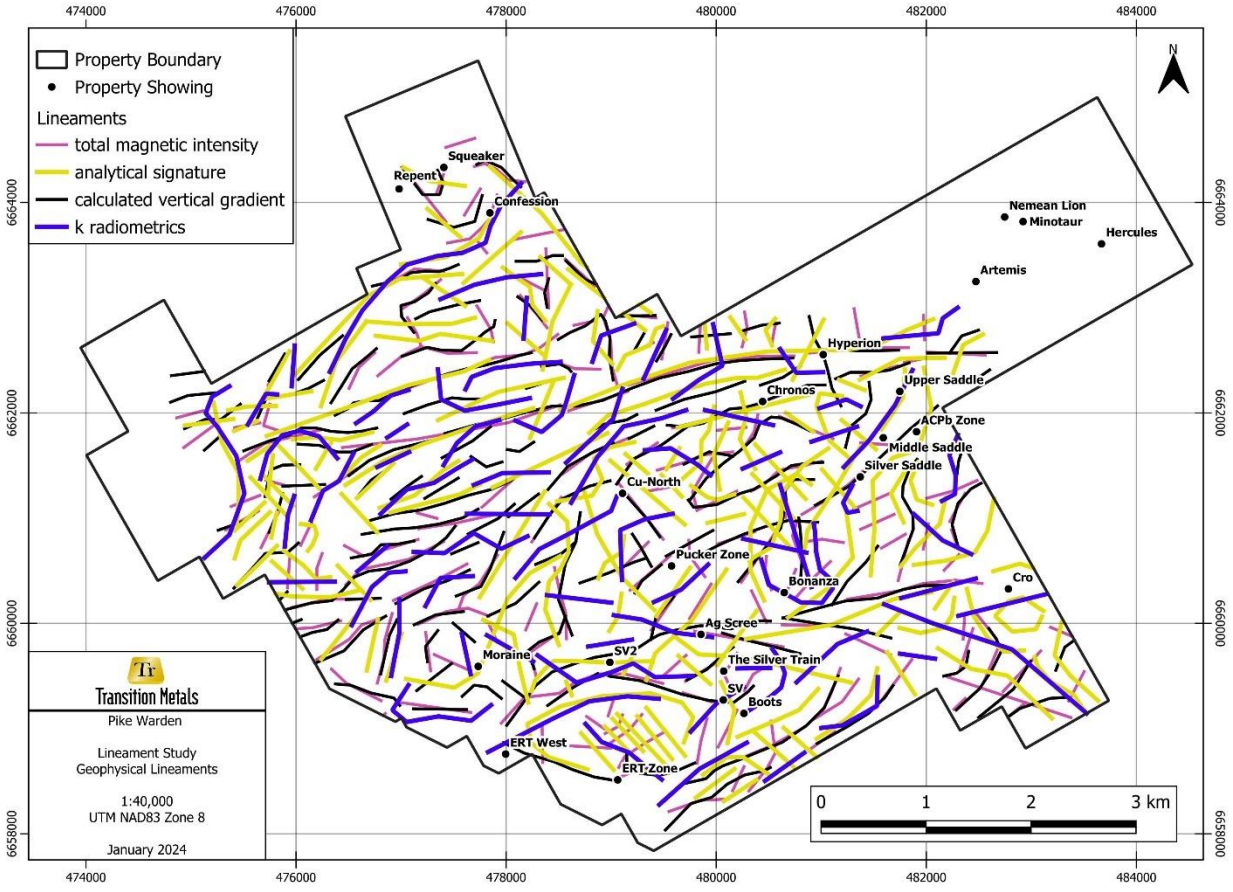

Figure 2: All lineaments inferred from geophysical layers displayed within the property boundary.

The concentric trending orientations are still observed in this map, through the SV2/Ag Scree and the Hyperion showings. The potassic radiometrics, the calculated vertical gradient, and the total magnetic intensity lineaments seem to be more related, and all maintain more NE-SW to E-W orientations in general.

The lineaments from the analytical signature (yellow lines) are mainly in the NW-SE orientation. There is a slightly higher density of inferred lineaments northeast of the ERT Zone, which may be related to the more structurally-controlled mineralization observed in the field, as well as the multiple units observed in that area. These lineaments are along the ridgeline south of the rock glacier, where, when standing on the north side of the ridgeline on the edge of the rock glacier, the view was interpreted to show ERT-style volcanics, some Nisling assemblage/older gneissic rocks, possible Whitehorse suite, as well as a rhyolite dike, as sketched in Figure 3.

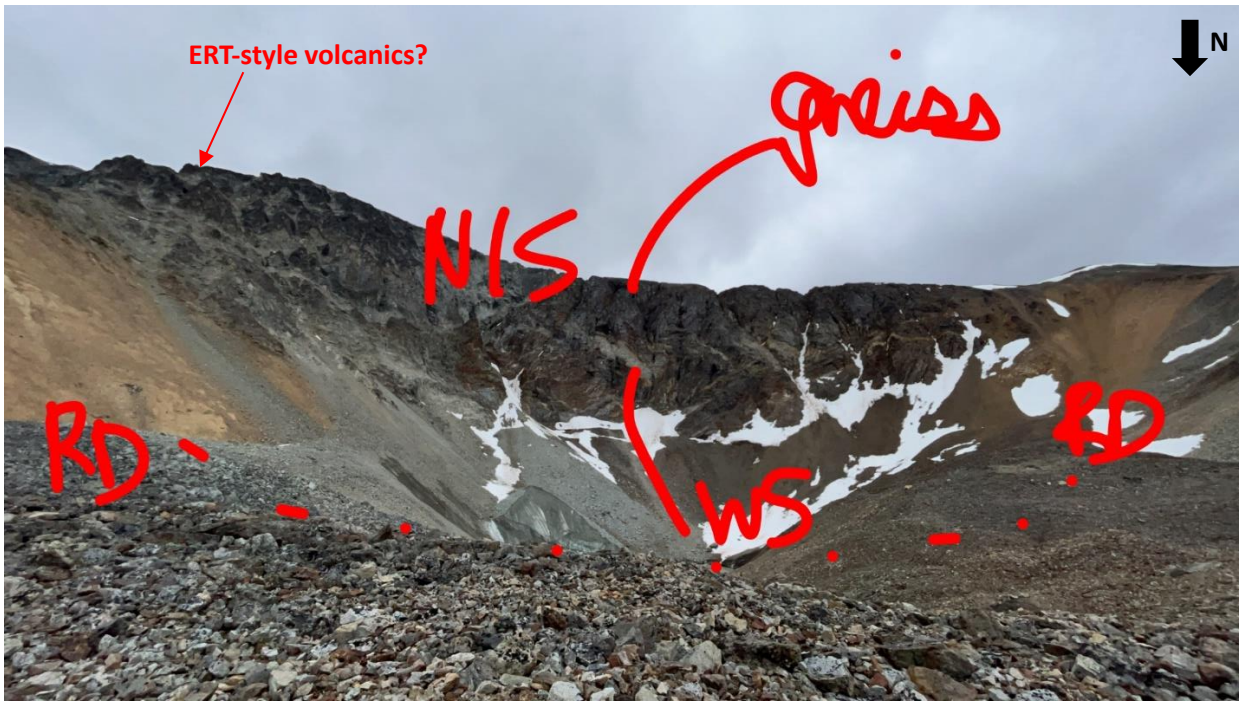

Figure 3: Sketch photo denoting the different units interpreted while standing on the north edge of the rock glacier between the SV2 and Moraine showing and looking south towards the ridgeline shared with the ERT Zone/ERT West showings (NIS = Nisling, WS = Whitehorse Suite, RD = Rhyolite dike).

Next, the lineaments derived from the multispectral alteration mineral mapping were also broken out separately, as shown in Figure 4.

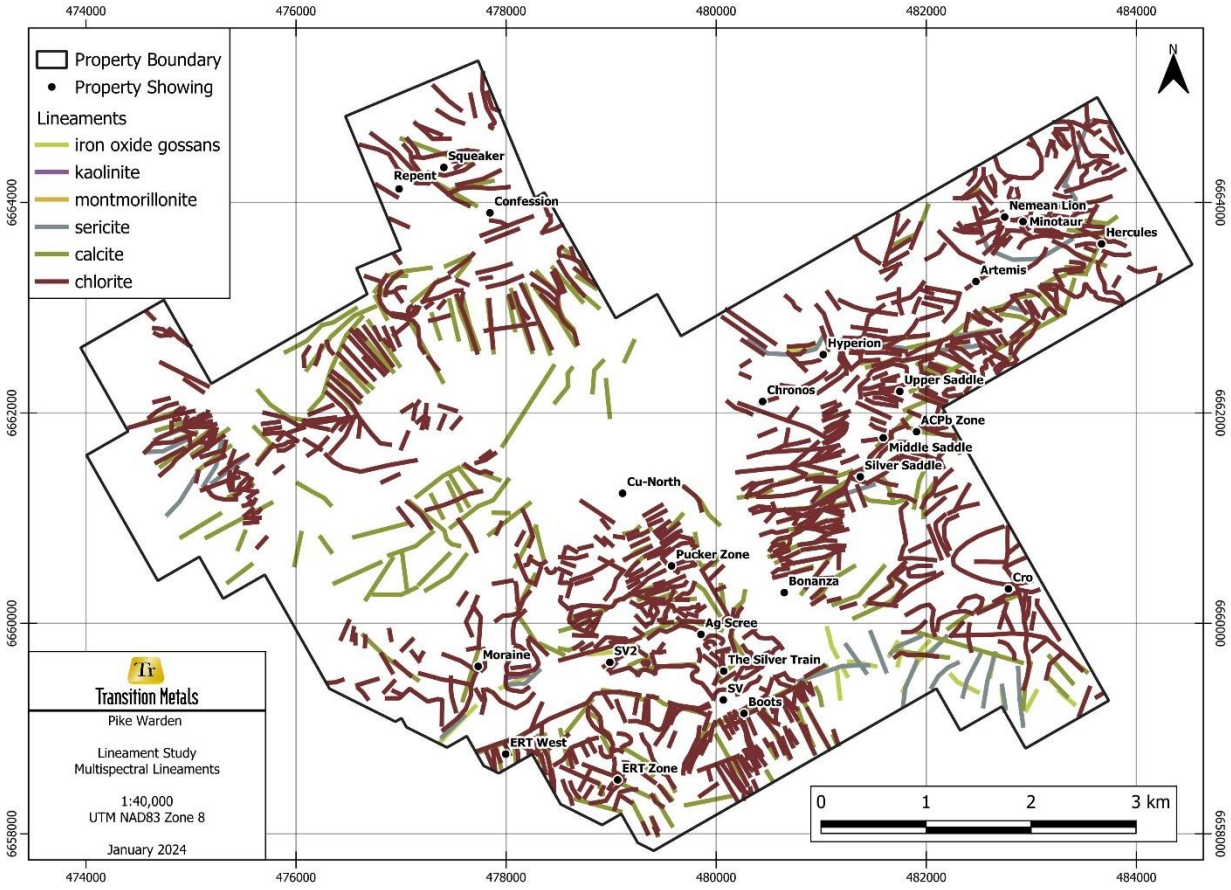

Figure 4: All lineaments inferred from the multispectral alteration mapping displayed within the property boundary.

The chlorite-epidote mapping covered a much larger area of the property compared to the rest of the minerals detected, so the majority of multispectral lineaments are from this data layer (displayed with brown lines). Most of these lines fit into the NW-SE and E-W orientation categories.

The lineaments from the calcite layer (darker green) appear to follow the chlorite-epidote lineaments in most areas except for the middle area of the west side of the property where there was minimal chlorite-epidote mapped.

The sericite lineaments (grey) appear to follow more of the concentric patterns around The Silver Train area and extending out east. More rounded lineaments were also inferred near the Hyperion showing and around the Nemean Lion/Minotaur showings. The circle inferred around the Nemean Lion and Minotaur showings appears to follow topography as there is a ridgeline there. The two showings are down within the cirque, as shown in Figure 5. The sericite lineaments appear to be more on the ridgeline, while the chlorite-epidote lineaments continue down into the flatter area of the cirque (Figure 4).

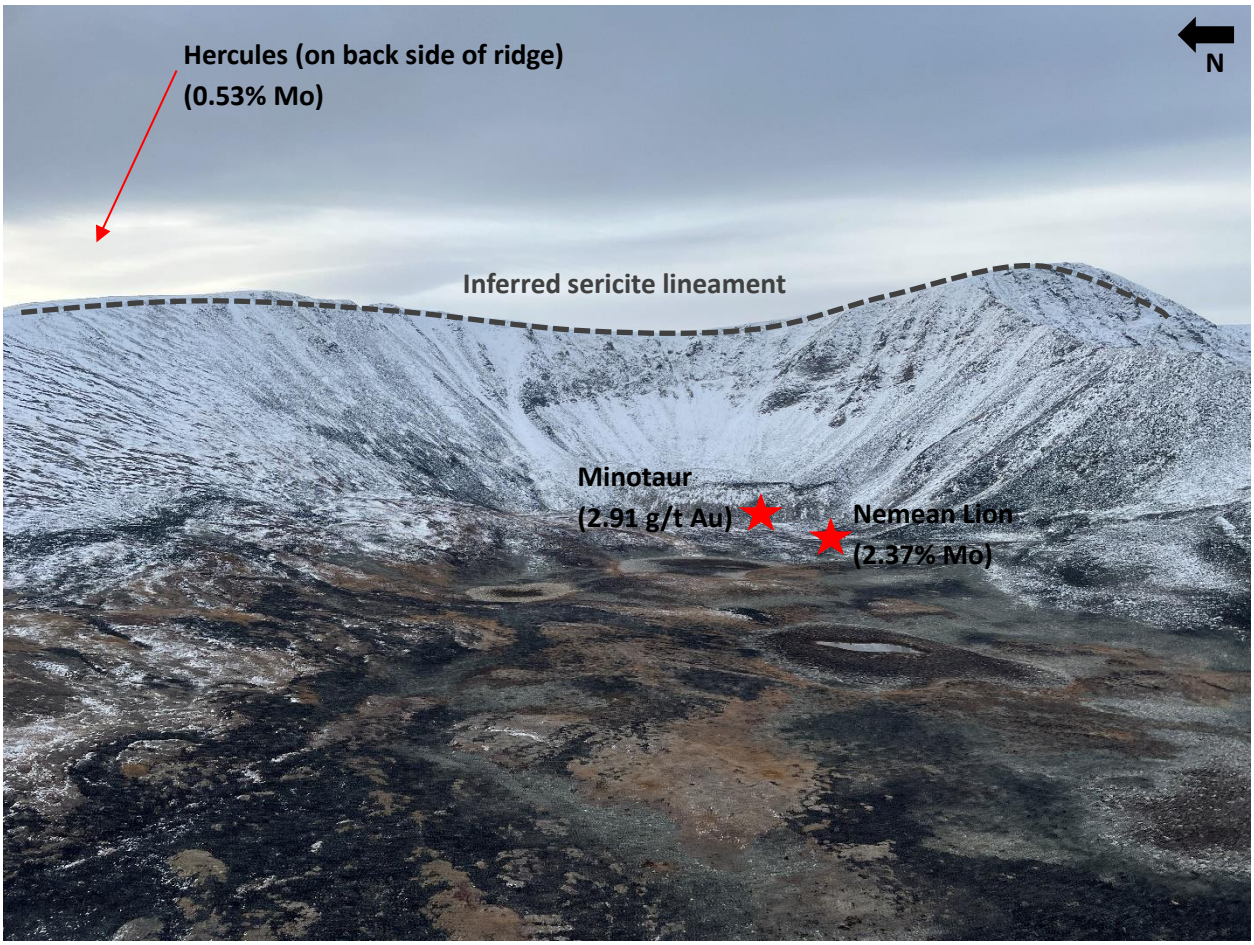

Figure 5: View of the "Sad Lion" cirque that hosts the Minotaur and Nemean Lion showings, with the inferred sericite lineament denoted with a dashed grey line.

The lineament study supports many of the general trends that have been observed across the property through prospecting efforts to date, and what was seen previously with publicly available satellite imagery. The larger size PDFs available on the cloud will allow for more detailed investigation of the inferred lineaments on a smaller scale for target generation. The lineament study results could also be exported to generate a rose plot to better quantify the different major orientations observed. Additionally, the lineaments could be combined with other available project data to generate heat maps which would also assist in target generation. It is also suggested that the lineaments layer be returned to at a later date for review and addition of any missed lineaments. More data layers could also be used to generate lineaments, such as the “possible” multispectral data or the remaining 2021 airborne geophysics survey.

APPENDIX I – INDIVIDUAL LINEAMENT MAPS

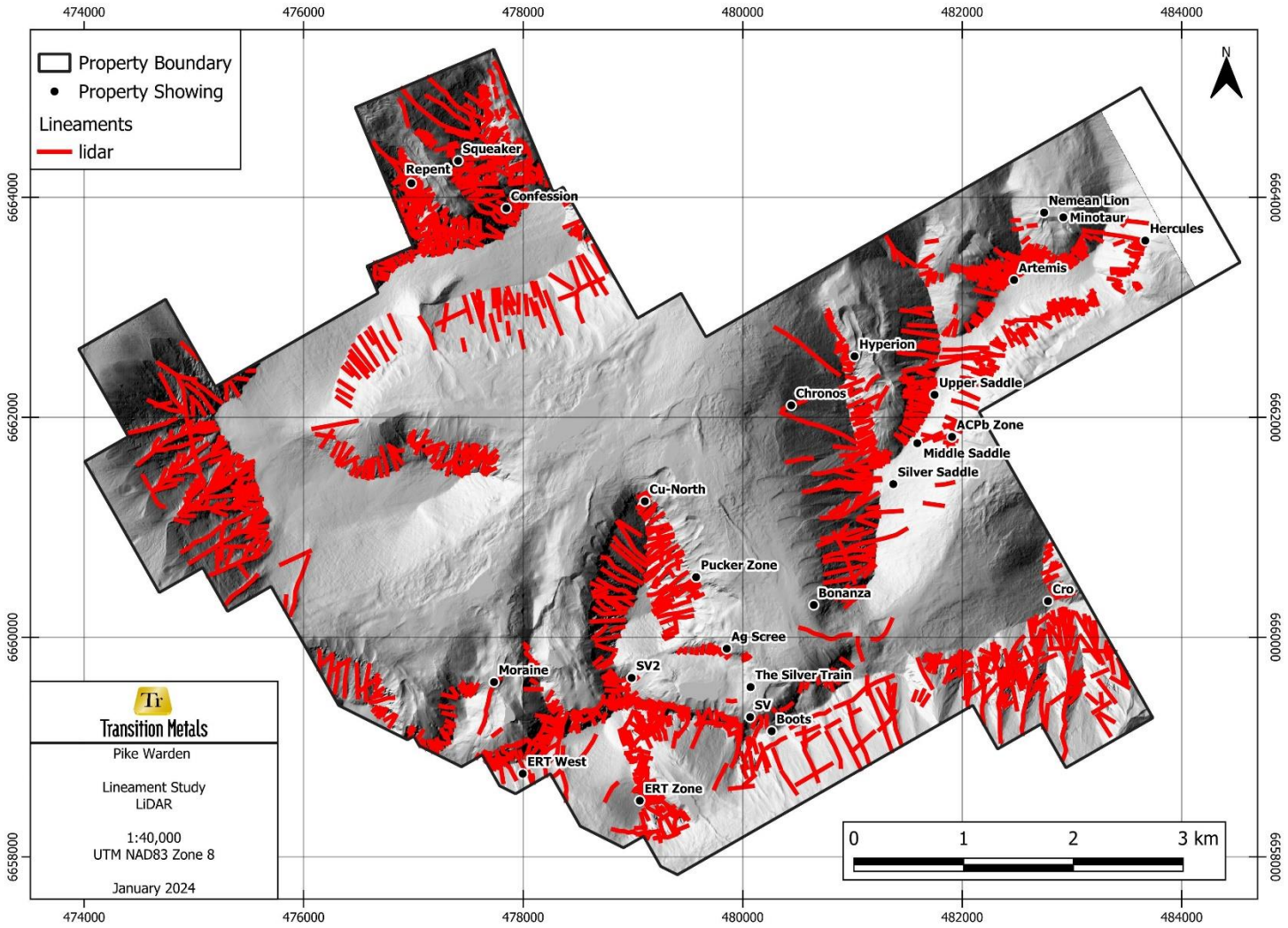

Figure 6: Lineaments inferred from the LiDAR data.

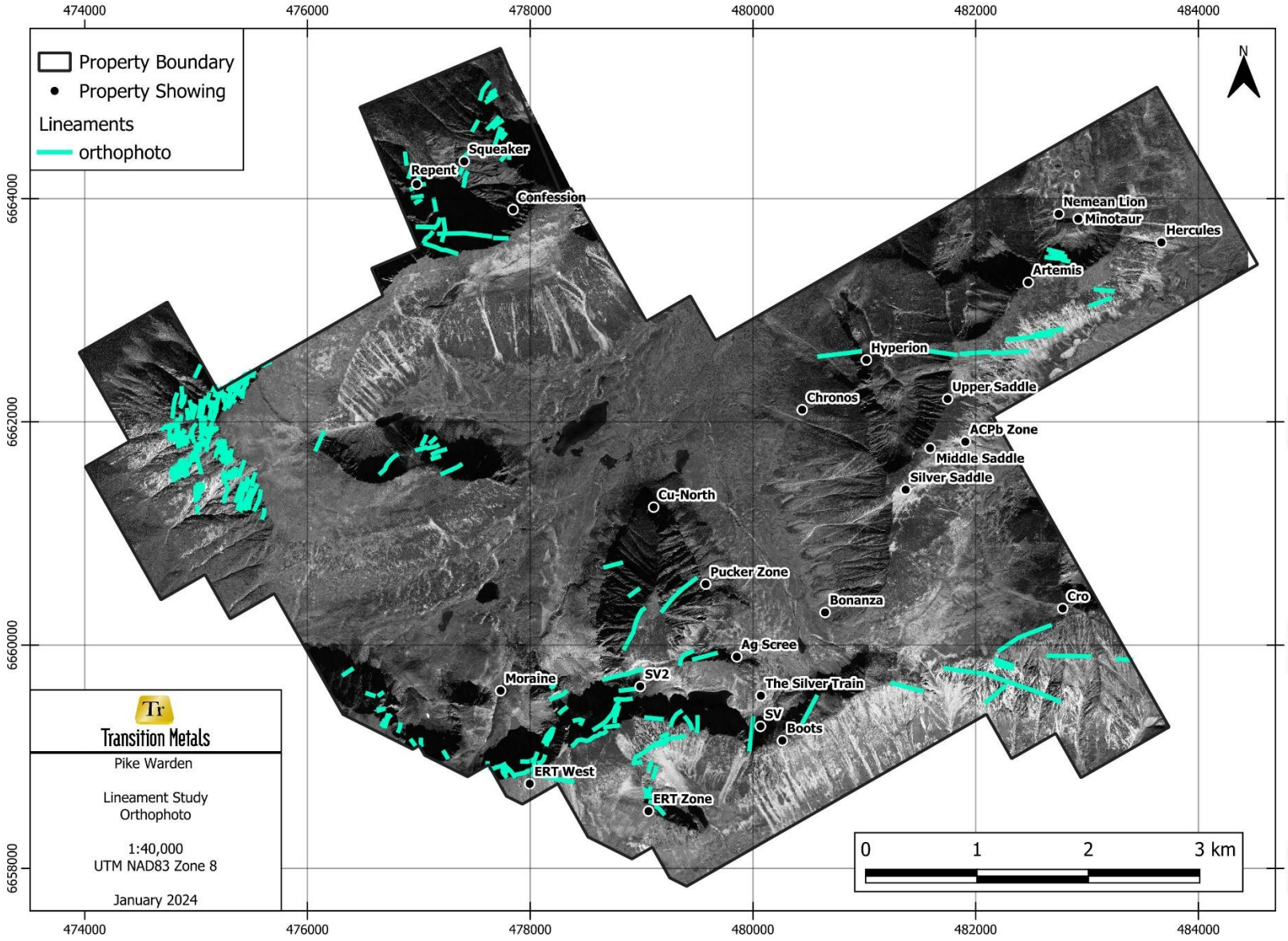

Figure 7: Lineaments inferred from the colour orthophoto.

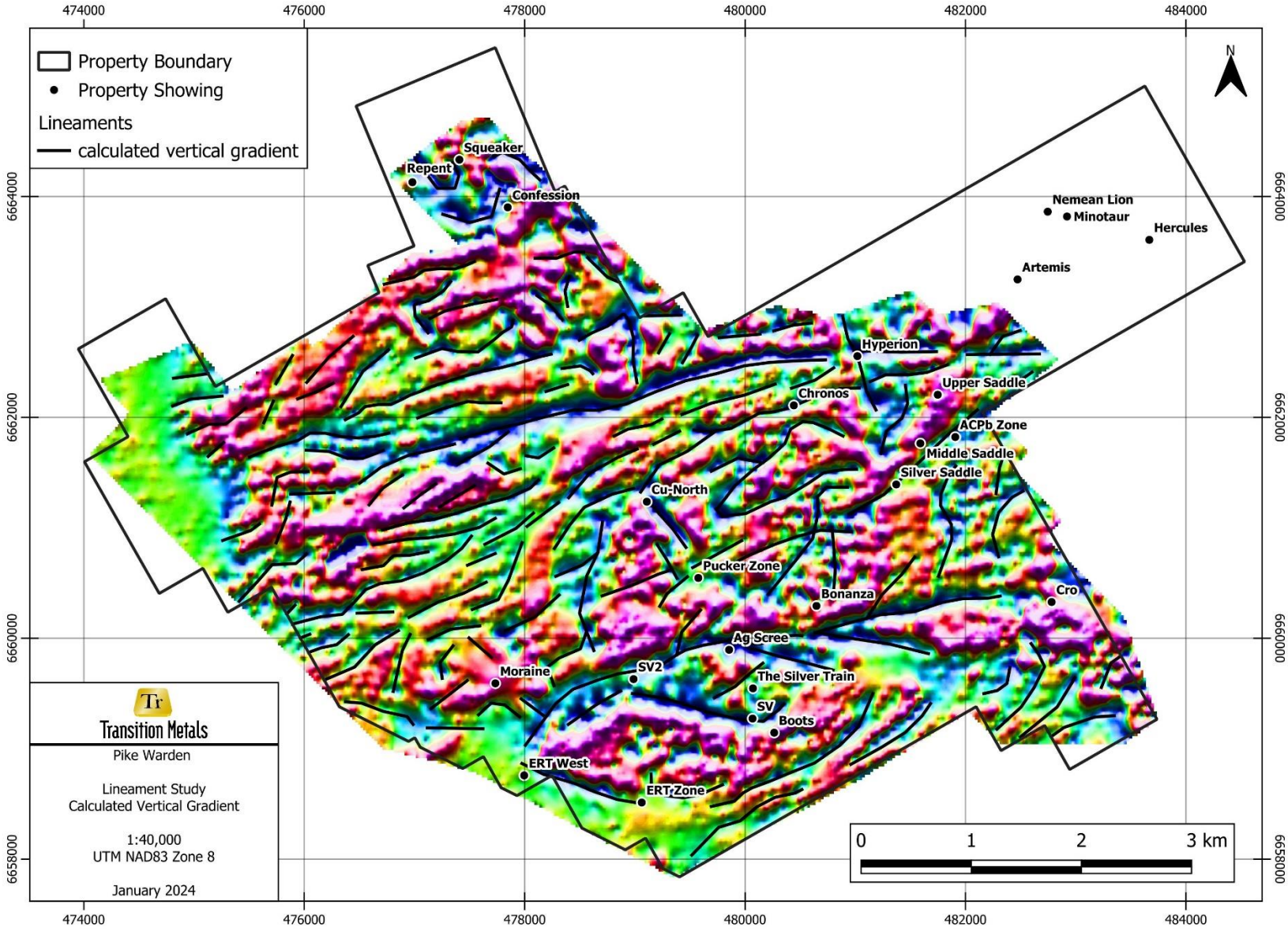

Figure 8: Lineaments inferred from the calculated vertical gradient.

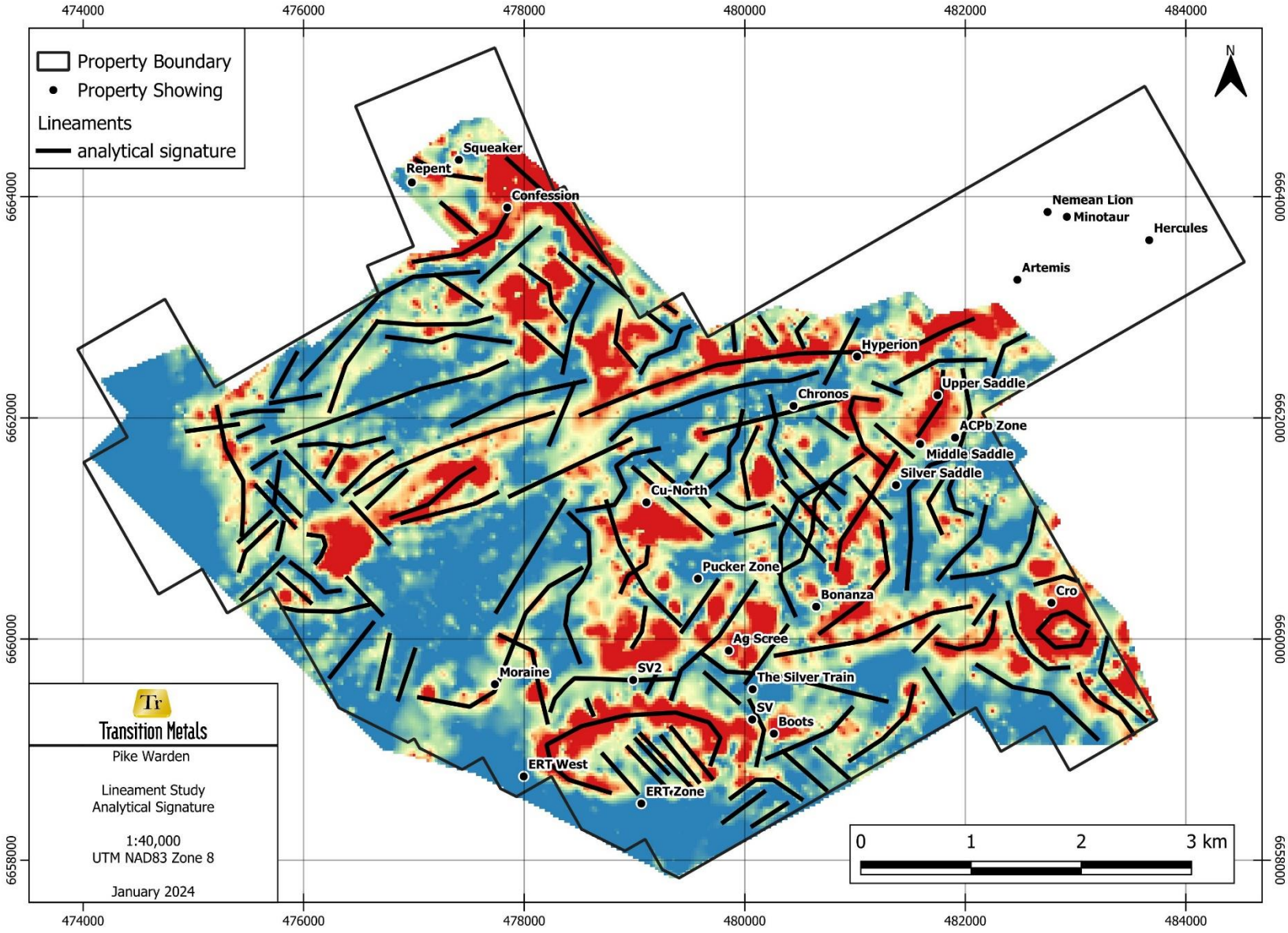

Figure 9: Lineaments inferred from the analytical signature.

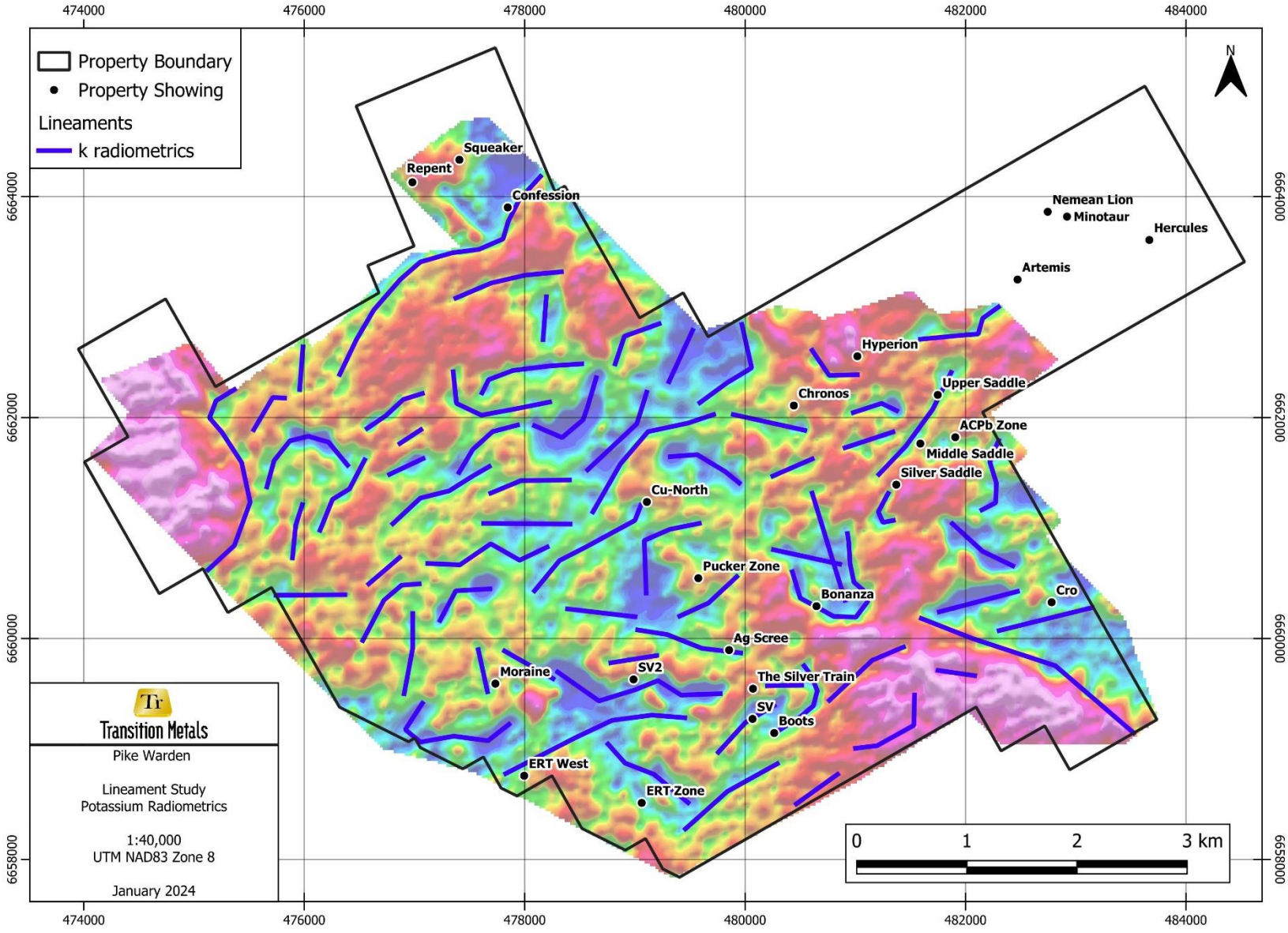

Figure 10: Lineaments inferred from the potassium radiometrics.

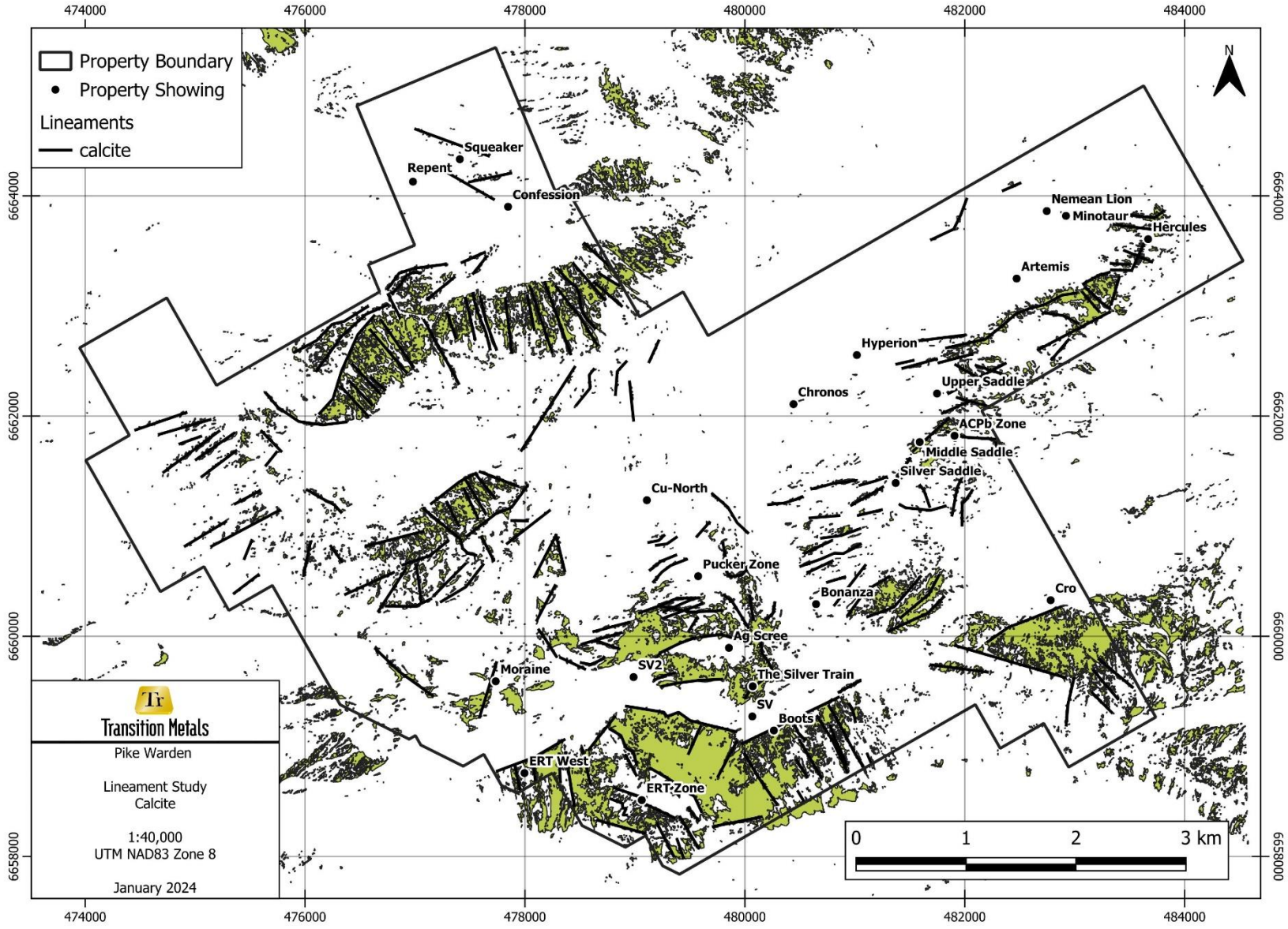

Figure 11: Lineaments inferred from the probable calcite mapping.

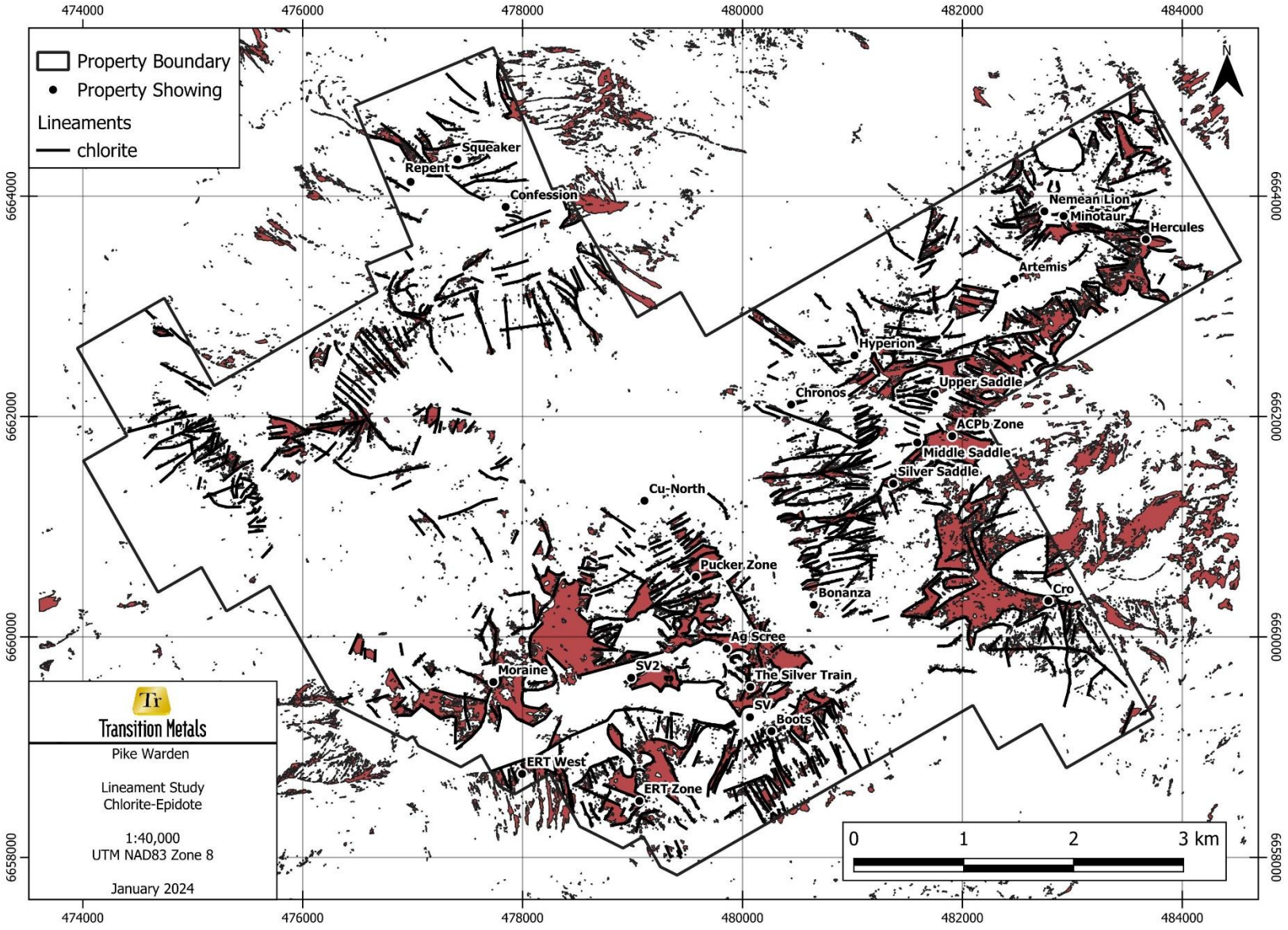

Figure 12: Lineaments inferred from the probable chlorite-epidote mapping.

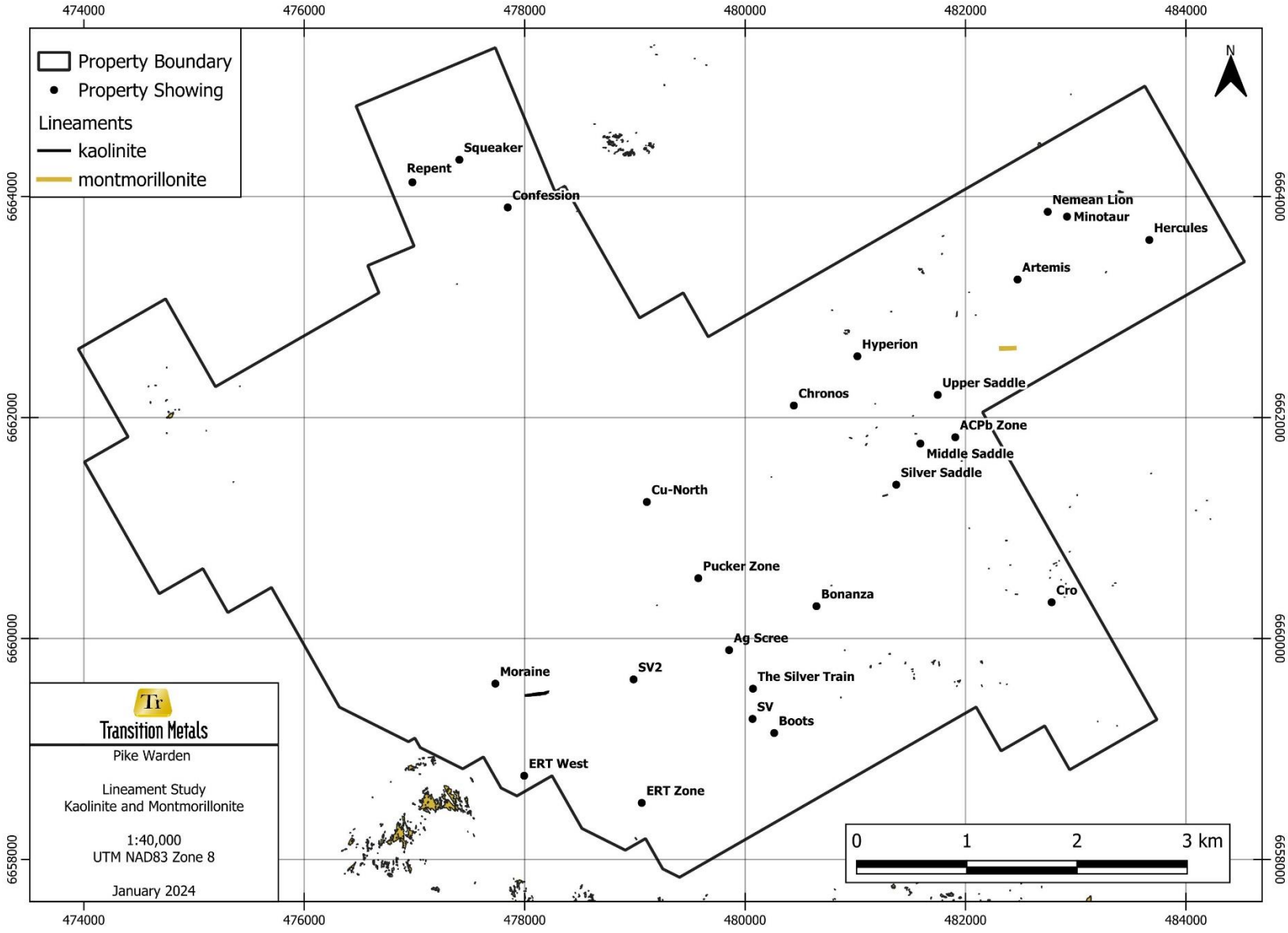

Figure 13: Lineaments inferred from the kaolinite and montmorillonite mapping.

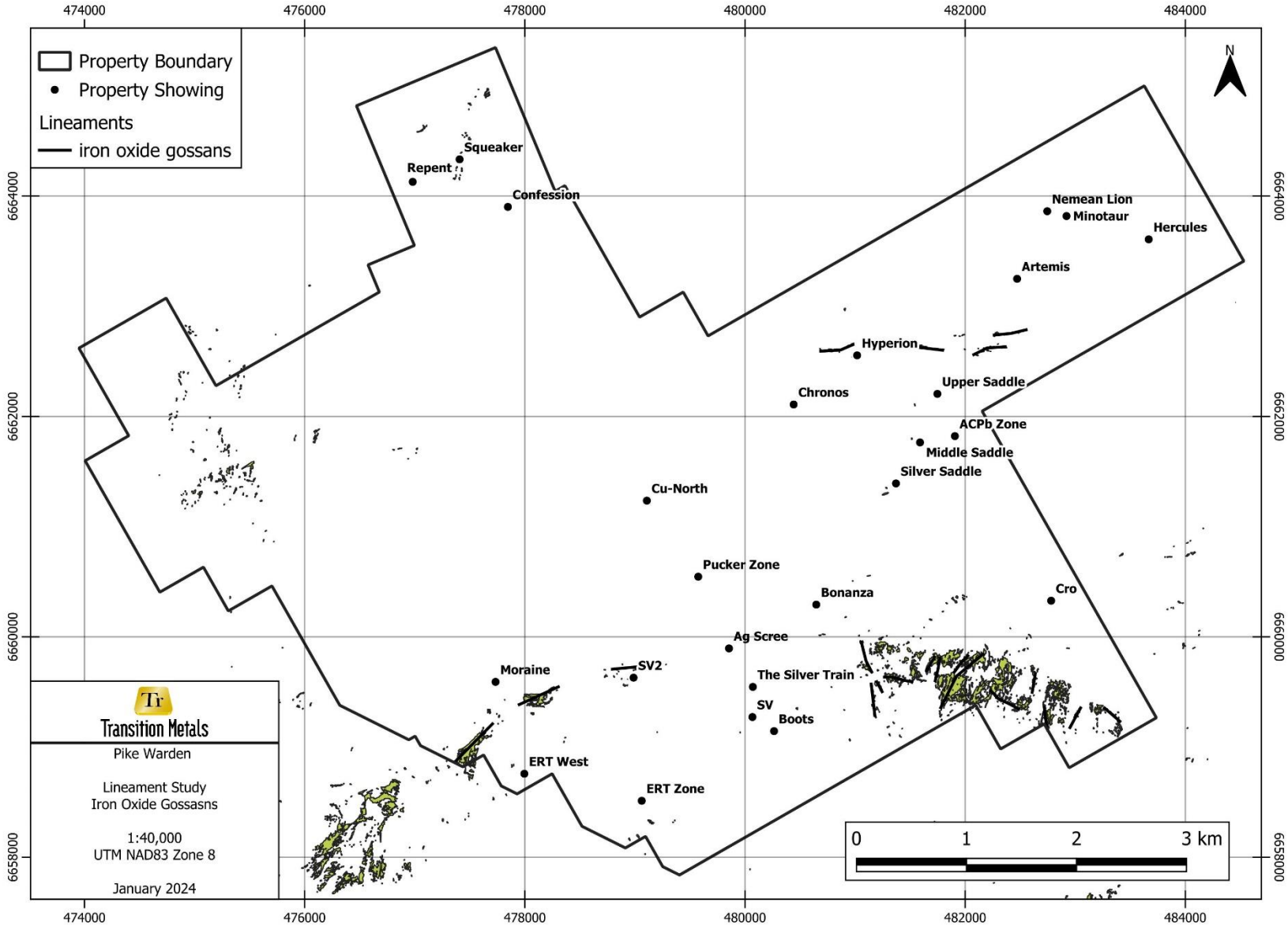

Figure 14: Lineaments inferred from the iron oxide gossans mapping.

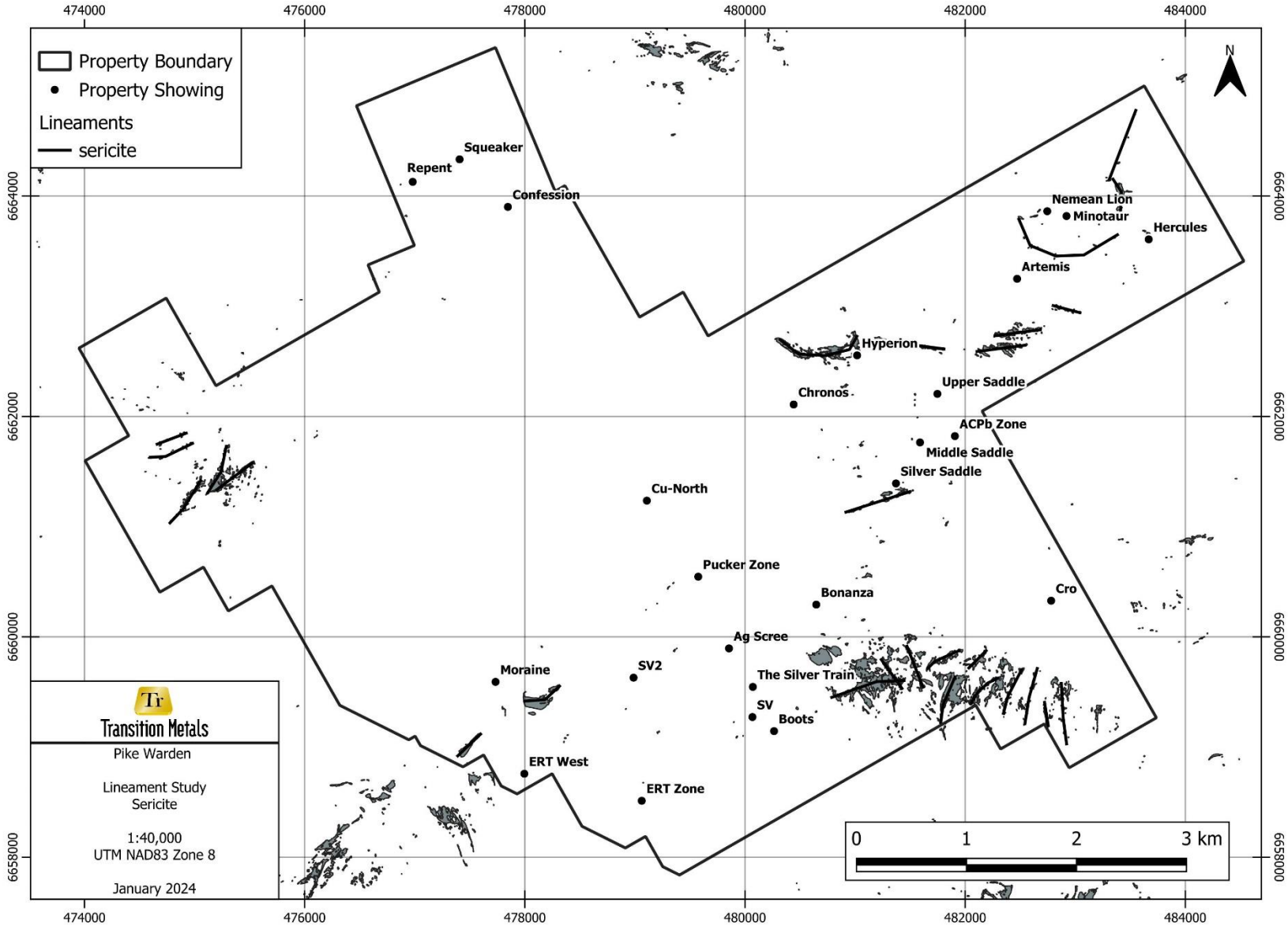

Figure 15: Lineaments inferred from the sericite mapping.

Property Boundary
Property Showing

Lineaments
- total magnetic intensity
- analytical signature
- calculated vertical gradient
- lidar
- orthophoto
- k radiometrics
- iron oxide gossans
- kaolinite
- montmorillonite
- sericite
- calcite
- chlorite

N

Squeaker
Repent
Confession
Nemean Lion
Minotaur
Hercules
Artemis
Hyperion
Upper Saddle
Chronos
ACPD Zone
Middle Saddle
Silver Saddle
Cu-North
Puckur Zone
Bonanza
Cro
Ag Scree
SV2
Moraine
The Silver Train
SV
Boots
ERT West
ERT Zone

Transition Metals

Pike Warden

Lineament Study

All Lineaments

1:10,000

UTM NAD 83 Z8

January 2024

0 1 2 3 km

474000 475000 476000 477000 478000 479000 480000 481000 482000 483000 484000

6665000 6664000 6663000 6662000 6661000 6660000 6659000 6658000