

2019 YMEP Target Evaluation Final Report

on the

Duncan Creek Claims, Yukon

NTS 105M/14
Lat. 63°51'14" N • Long. 135°24'51" W
Mayo Mining District

Claims work applied to:
MMG 30-86 (YE55830 to YE55886)
MMG 87-104 (YE55887 to YE55904)
MMG 105-153 (YE55905 to YE55953)

Prepared for:



Report Prepared by:
Lauren R. Blackburn, B.Sc.
Senior Geologist, TruePoint Exploration
&
Paige Ahrens, B.Sc.
Geologist, TruePoint Exploration

March 25th, 2020

Period of Work:
July 8th to 14th, 2019

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Summary

This report summarizes the 2019 Target Evaluation program performed by TruePoint Exploration (TruePoint) for Metallic Minerals Corp. (MMG) on the Duncan Creek claims of the Keno Silver project. The 2019 work program occurred from July 8th to July 14th, totaling 14 man-days. The program consisted of mapping, prospecting, rock and soil sampling of two targets; SW Williams Creek and Central Duncan Creek.

The Duncan Creek claims comprise a portion of MMG's Keno Silver project and are located approximately 4 to 12 km southwest of Keno City along Duncan Creek, centered at 63°51'14" N Latitude, 135°24'51" W Longitude on NTS map sheet 105M/14 (Mayo Mining District). The work crew was based out of MMG's Keno crew house.

Placer gold in Duncan Creek first attracted prospectors to the area in 1898. The creek has produced at least 40,000 crude ounces of gold; with two active operations along Duncan Creek and its tributaries. The claims are located at the southern edge of the Keno Hill Silver District and to the east of IRGS at the Aurex-McQuesten project held by Victoria Gold Corp. There are multiple targets on the Duncan Creek claims, all of which are early-stage multi-element soil geochemistry anomalies.

The 2019 YMEP-funded Target Evaluation on the Duncan Creek claims was completed between July 8th and July 14th and was deemed successful in the delineation of geochemical anomalies. The program consisted of mapping, prospecting, rock and soil sampling on SW Williams Creek and Central Duncan Creek.

In summary, the exploration program included:

- Prospecting, mapping and rock sampling, and;
- Soil sampling of two targets, involving;
 - 60 soil samples at ~100 m grid spacing along SW Williams Creek; and
 - 90 soil samples at ~100 m spacing contouring elevation at ~820 m along Duncan Creek.

The seven-day program expanded the known extent of several geochemical soil anomalies from the previous 2017-2018 campaigns. Moreover, the orientation of the SW Williams Creek anomaly was discovered to be coincident with the presence of significant quartz vein $\pm$ galena material which may indicate the presence of a mineralized structure. Limited exposure, dense vegetation and significant overburden limits the ability to map and prospect, however, several outcrops were identified, and historic workings were documented.

The cumulative work of the 2017, 2018 and 2019 field seasons has highlighted several multi-element geochemical soil anomalies. As a result, the following is recommended for the 2020 field season and beyond:

- Completion of the SW Williams Creek soil grid at 100m-spacing extending west;
- Completion of the Central Duncan Creek soil contours at 100m-elevation intervals extending southeast to cover the entire claim block enabling better understanding of the areas baseline geochemistry;
- Retargeted soil sampling, at 25m grid spacing, of the multi-element SW Williams Creek anomaly coincident with quartz vein $\pm$ galena material;

- Continued prospecting along orientation of quartz vein $\pm$ galena material, both laterally and upslope, to identify in-situ mineralization, gain structural understanding and extend known strike of structural corridor;
- Utilization of a geoprobe to collect bedrock interface samples post-soil and prospecting along the newly located north-trending quartz vein $\pm$ galena material; and
- Assess feasibility of IP or ground/drone magnetics and VLF-EM surveys in order to gain structural insight where exposure is limiting
 - Ground penetrating radar (GPR) may also be used to determine bedrock depth when assessing the trenching potential of structures.

The cost of the 2019 YMEP work program totaled \$13,956.44.

1 Introduction

This report summarizes the 2019 YMEP-funded Target Evaluation program performed by TruePoint Exploration (TruePoint) on behalf of Metallic Minerals Corp. (MMG) on the Duncan Creek claims of the Keno Silver project (*herein* referred to as the Duncan Creek claims). The 2019 work program occurred from July 8th to July 14th, totaling 14 man-days. The program consisted of mapping, prospecting, rock and soil sampling of two targets; SW Williams Creek and Central Duncan Creek. All assay results, certificates, as well as a description of the analytical techniques used, and location of all samples are provided. Current interpretations concerning mineralization-styles and geological setting are based on work-to-date and are included, leading to recommendations for future exploration work. This report is supplemented by **Appendix I** (YMEP Final Report Form), **Appendix II** (Batch Sheets & Assay Certificates), **Appendix III** (Rock Descriptions and Data), and **Appendix IV** (Soil Descriptions and Data). A total of \$13,956.44 was spent on the work program.

1.1 Location & Access

The Duncan Creek claims comprise an non-contiguous portion of MMG's Keno Silver project (*herein* referred to as the project) and are located approximately 4 to 12 km southwest of Keno City along Duncan Creek, centered at 63°51'14" N Latitude, 135°24'51" W Longitude on NTS map sheet 105M/14 (Mayo Mining District). The project area is accessible via Keno City, which is 465 km by road north of Whitehorse and 60 km by road northeast of the town of Mayo. Mayo is situated on the Silver Trail Highway, a paved all-weather highway beginning in Whitehorse. East of Mayo the Silver Trail Highway turns to gravel and continues to Keno City (**Figure 1**), following page. Subsidiary unpaved roads provide access to a large portion of the project. The work crew was based out of MMG's Keno crew house during the work program.

1.2 Land Tenure

The Duncan Creek claims are located approximately 4 to 12 km southwest from Keno, Yukon, in the Mayo Mining District. The Duncan Creek claims filed on in this report cover approximately 2,443.3 hectares subdivided into 124 contiguous claims, all currently 100% owned by Metallic Minerals Corp. The claims are accessible by a series of historic roads and trails at various stages of maintenance.

Table 1. *Claim Status* (below) tabulates the current land package and expiry dates; **Figure 1.** *Keno Silver Project- Location & Access* (page 6) and **Figure 2.** *Duncan Creek Claims- Location & Access* (page 7) shows the location of the project and the claims work was filed on.

Table 1. *Claim Status*¹

Claim Name	Grant No.	Owner	New Expiry
MMG 30 - 86	YE55830 - YE55886	Metallic Minerals Corp. - 100%	2021-01-03
MMG 87 - 104	YE55887 - YE55904	Metallic Minerals Corp. - 100%	2022-01-03
MMG 105 - 153	YE55905 - YE55953	Metallic Minerals Corp. - 100%	2021-01-03

¹ Claim expiry dates based on acceptance of submitted Assessment Report.

Figure 1. Keno Silver Project- Location & Access

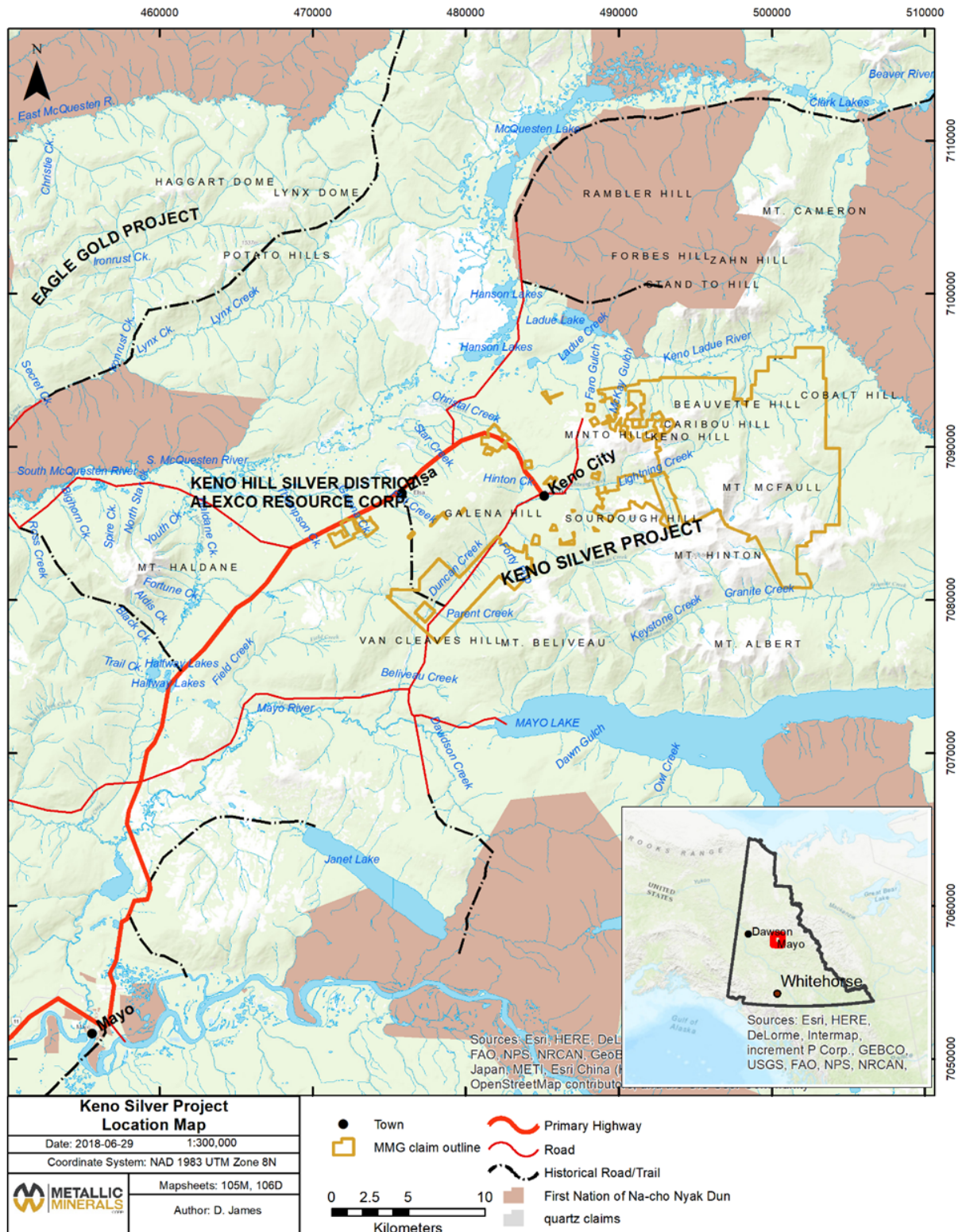
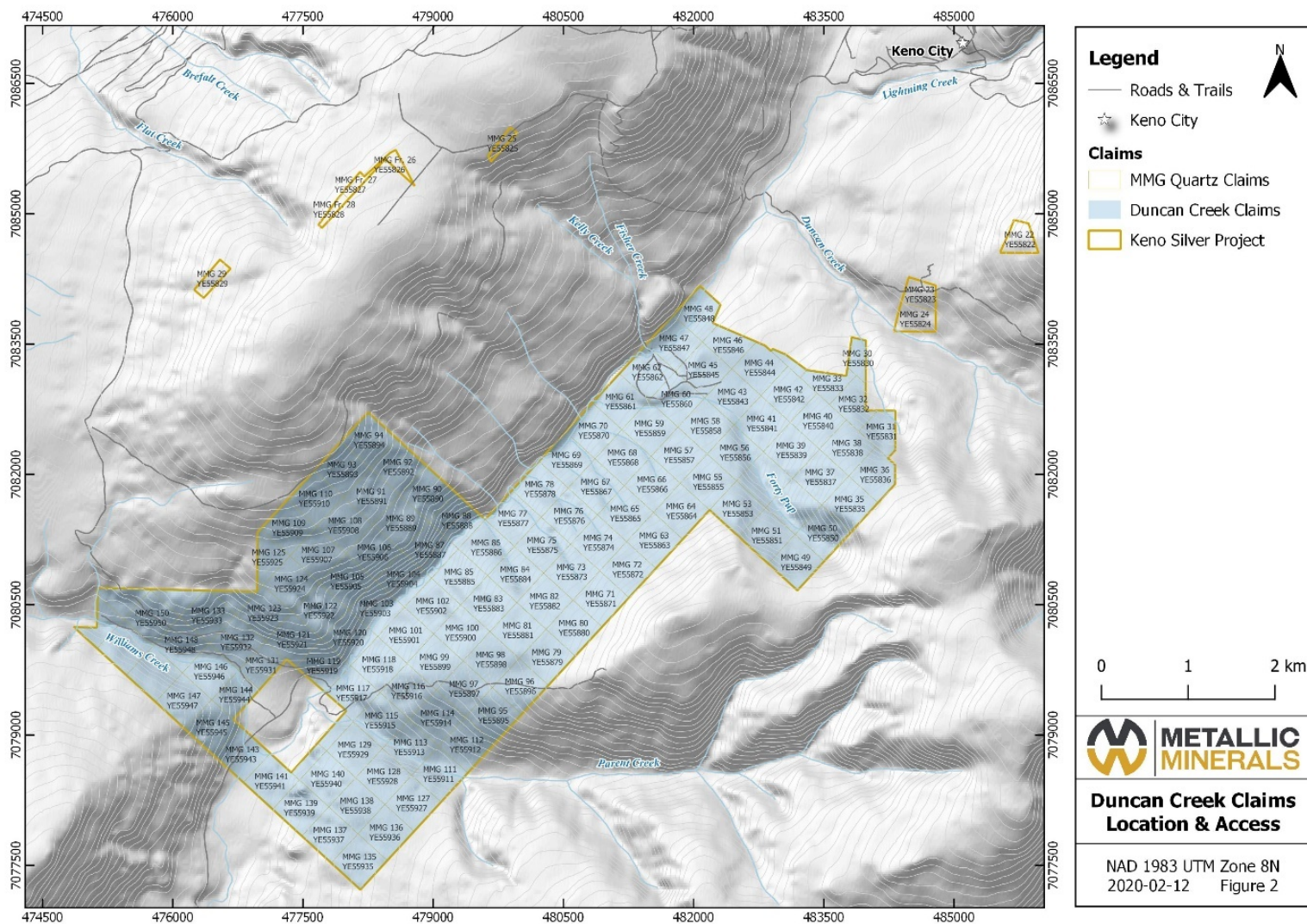


Figure 2. Duncan Creek Claims- Location & Access



1.3 Physiography & Climate

The Duncan Creek claims are centered along Duncan Creek, which cuts the contiguous claim block lengthwise trending NE. The claims are bound to the north by Galena Hill, to the southwest by Van Cleaves Hill and to the southeast by Mount Beliveau within the Gustavus Range. Elevations within the claim area range from approximately 780 to 1400m ASL. The area experiences warm summers and long cold winters with relatively little precipitation. In the Mayo area summer temperatures average 15°C during the day and 9°C at night. Winter temperatures average -20°C during the day and -31°C at night. Water is available from Duncan Creek and multiple unnamed tributaries along its length, to the south from Williams and Parent Creek and to the north from Forty Pup and Fischer Creek. The claims lie primarily below tree line, with extremely dense patches of willow characteristic of moderately steep southern slopes adjacent to the numerous waterways.

2 Duncan Creek Claims – History

Table 2. *Duncan Creek Claims – Work History*

1898	Placer gold discovery in Duncan Creek brought prospectors from the Klondike goldfields.
1954	The Geological Survey of Canada detected a hydro-geochemical anomaly along Parent Creek (Boyle <i>et. al.</i> , 1955).
1955	Northwestern Explorations Ltd. performed geological mapping and collected soil and water geochemical samples in order to test for Ag-Pb-Zn mineralization towards the northeastern center of the Duncan Creek claims grouping along Parent Creek. Water chemistry confirmed the GSC anomaly, but no source mineralization was found (Noel, 1955).
1999	Expatriate Resources Ltd. performed geological mapping, prospecting and soil sampling (n=182) on the Fisher claims grouping, northwest of the Sourdough claims. Sampling focused on an area of mineralized float and returned scattered moderate gold values (<620 ppb Au), interpreted to be caused by variable till cover (Becker, 2000).
2000	Stratagold collected soil samples (n=342) on the Fisher claims northwest and adjoining the Duncan Creek claims. Anomalous Ag in soils detected along 145° trend.
2011	Under the ownership of Fekete and Ziehe, widespread ridge and spur soil geochemical surveys were performed (n=733) at 50m-spacing. Soil geochemistry returned anomalous and scattered gold values (<35 ppb Au) coincident with elevated arsenic and antimony. Three distinct silver anomalies were detected with up to 5.5 ppm Ag over a continuous extent of 100m (Fekete & Dubois, 2012)
2016	Metallic Minerals Corp. stake 124 claims in the Duncan Creek valley and five fractions on Galena Hill.
2017	Metallic Minerals Corp. completed soil geochemical surveys targeting the extension of the Fisher Creek veins (n=76) and along several contours (n=100) upslope from anomalous samples. A strong multi-element anomaly was detected on trend with the Fisher Creek veins measuring approximately 1 km by 300m in extent. However, this anomaly is also situated on an alluvial fan which has transported material downslope from the same veins, therefore, the origin of the anomaly is yet undetermined.
2018	Metallic Minerals Corp. completed soil sampling at 100 m intervals (n=96) along three contour line at 900m, 1,000m and 1,100m elevation to extend geochemical analysis to the entire claim block, and specifically to test for a continuation of the Fisher Creek veins. Interpretation of the soil geochemistry revealed an open Ag-Cu-Pb-Zn anomaly at the western extent of sampling, at approximately 900m elevation. A weaker Ag-Zn ± Cu-Pb anomaly was detected along the eastern portion of the 900m elevation contour line extending approximately 500m by 1,500m. Additionally, a Heritage Resource Overview Assessment (HROA) conducted by Ecofor concluded that no archaeological sites have been recorded within the claim blocks. Of note were four previously recorded Yukon Historic Sites Inventory (YHSI) sites along Duncan Creek (Ecofor, 2018).

3 Regional and Property Geology

3.1 Regional Geology and Tectonic Setting

The Duncan Creek claims are located on the 1:250,000- scale Mayo (105M) map-sheet and the 1:50,000-scale Keno Hill map-sheet (105M/14). This area was regionally mapped by C. Roots (1997) of the Geological Survey of Canada (GSC) at 1:250,000-scale.

The Keno Silver District is located within Neoproterozoic to late-Paleozoic slope-to-basin facies strata of the epicratonic Selwyn Basin. Selwyn Basin strata are characterized by off-shelf deep water clastic rocks (shale, chert, basinal limestone), and are bound by the Mackenzie Platform to the northeast and truncated by the Tintina fault to the southwest (Pigage, 2006).

Northeast directed compression during the Jurassic and early-Cretaceous resulted in thrust faulting, the development of open to tight-similar folds within relatively incompetent Selwyn Basin strata, and greenschist facies metamorphism. Widespread granitic magmatism during the early to mid-Cretaceous led to the formation of at least five main intrusive suits between 112 Ma and 90 Ma and a younger suite at 65 Ma. Strike-slip faulting along the Tintina Fault zone during the late Cretaceous and early-Tertiary displaced the western margin of the Selwyn Basin at least 450 km west into what is now Alaska.

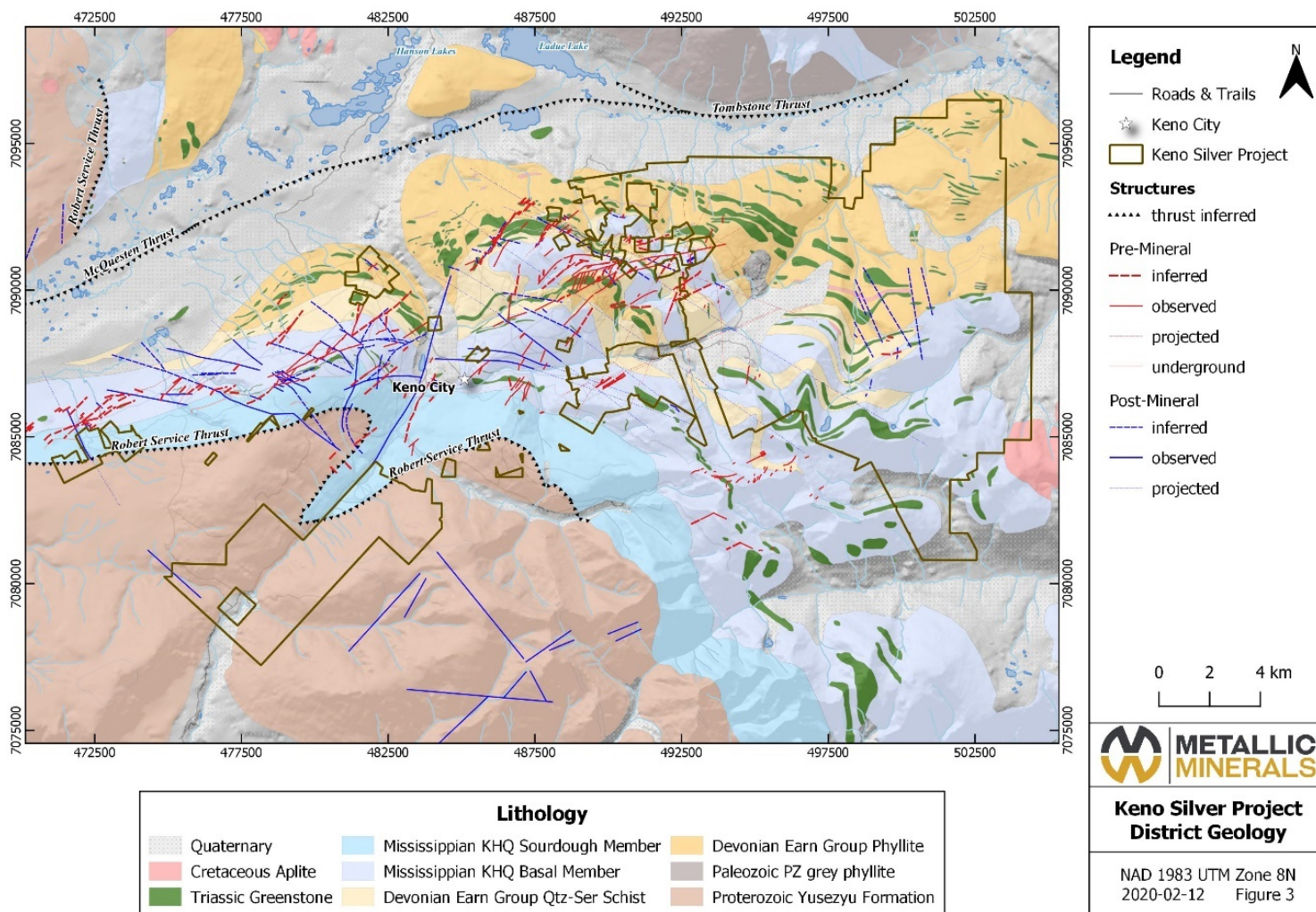
The project is underlain by highly deformed rocks of Mississippian Keno Hill Quartzite and dominantly clastic metasedimentary rocks of the Devono-Mississippian Earn Group, with lesser Mississippian felsic volcanic schist, all of which are intruded by Triassic dolerites (greenstones) and Cretaceous aplite sills and dykes. Deformation of the host rocks, which is characterized by intense foliation, appears to be related to displacement along the Tombstone thrust fault, located northeast of the property. North- to northeast- and northwest-trending faults are evident throughout the area (see **Figure 3. District Geology**, page 11).

Locally, stratigraphy within the Keno mining camp has been divided into three units; the upper-Proterozoic to lower-Cambrian Hyland Group (Yusezyu Formation), Mississippian Keno Hill Quartzite and Devono-Mississippian Earn Group, often referred to as the Upper Schist, Central Quartzite and Lower Schist packages, respectively.

The Hyland Group comprises graphitic schist and phyllite, thin bedded quartzite, quartz mica-schist, calcareous schist and both minor limestone and quartz-sericite schist. It was thrust over the Keno Hill Quartzite during the Jurassic to early-Cretaceous compression along the Robert Service Thrust. The Keno Hill Quartzite contains variably bedded quartzite, massive quartzite, minor graphitic phyllite, and variably calcareous schist; it is divided into two units; the upper Sourdough Member and the lower Basal Quartzite. The latter unit is historically more productive and is thickest at the Homestake claims within the Keno Silver project. Narrow bands of the Basal Quartzite also underlie the Silver Basin, Caribou, Faith and Duncan prospects.

The Earn Group contains graphitic schist and phyllite, argillite, thin-bedded quartzite, calcareous schist, slate and sericite schist, as well as two bands of bedded quartzite with lesser phyllite and graphitic schist. The stratigraphy principally strikes east west and dips 20° to 30° south. Metamorphosed diorite and gabbro (colloquially greenstone) sills and lenses are conformable with stratigraphy.

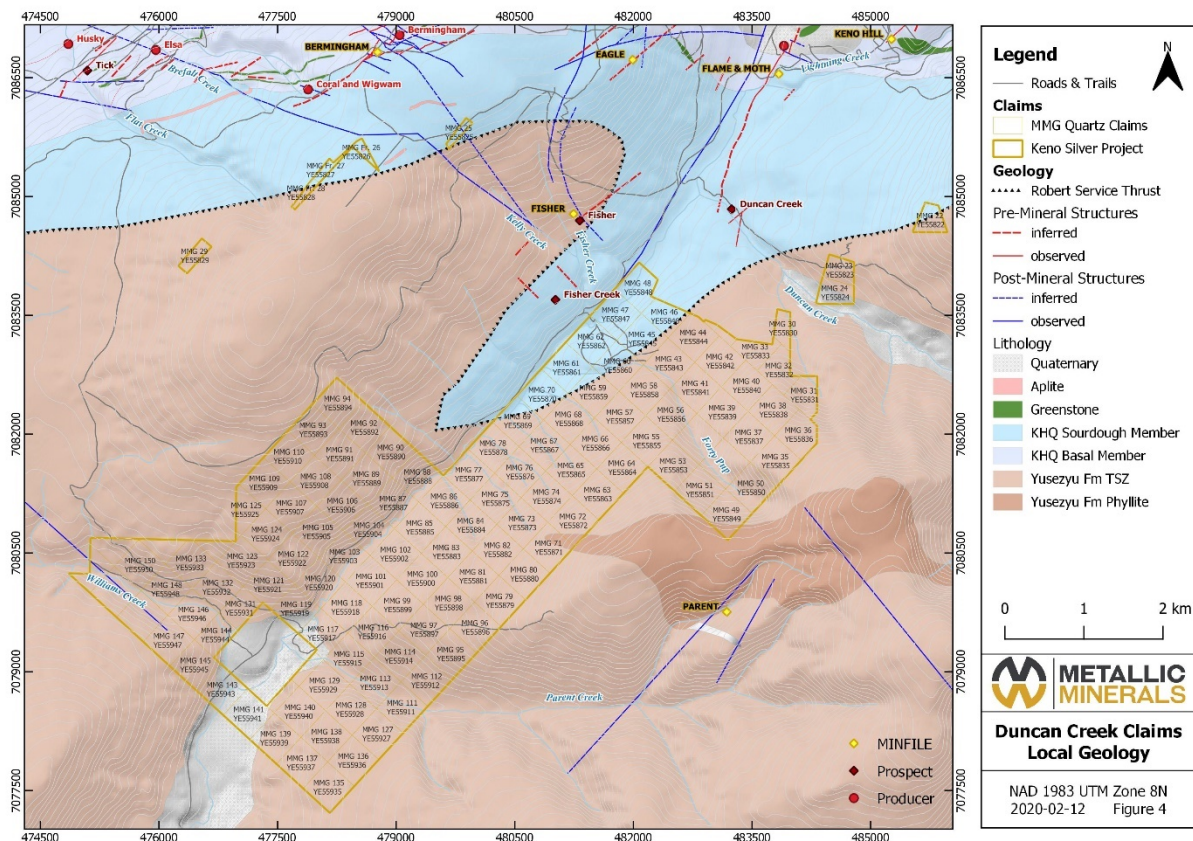
Figure 3. District Geology



3.2 Claim Area- Geology

The Duncan Creek claims are underlain almost entirely by Proterozoic to lower-Cambrian Yusezyu Formation (Hyland Group), thrust over the Sourdough Member of the Keno Hill Quartzite by the south dipping Robert Service Thrust fault (see **Figure 4. Duncan Creek Claims - Local Geology**, below). Along Duncan Creek Quaternary sediments have been deposited. There are two target types on the Duncan Creek claims: (1) Keno Hill style Ag-Pb-Zn veins and (2) intrusion related gold mineralization.

Figure 4. Duncan Creek Claims – Local Geology



4 Mineralization Style & Deposit Type

Keno Hill type silver deposits consist of high-grade silver veins typically 1 to 5 meters width grading from 200 g/t to >5,000 g/t Ag, with associated lead and zinc sulphides. The largest individual deposits in the district, which range from ten to one-hundred million ounces of contained silver, are associated with northeast trending, southeast dipping fault structures which form major ore shoots in the preferred host rocks; quartzite and greenstone (Cathro, 2006). To date, there are twelve known mineralized trends in the Keno Hill silver district, eight of which continue through the eastern portion of the district, which hosts Metallic Minerals' Keno Silver project.

Silver mineralization is the dominant economic target in the district, yet gold +/- silver, tungsten and tin deposits exist at the periphery of some high-grade silver deposits and in areas overlying the Hyland Group rocks. Silver mineralization in the Keno district is representative of clastic metasedimentary

hosted silver-lead-zinc enriched polymetallic quartz veins. Typically, mineralization is expressed as quartz-carbonate-sulphide veins, with silver minerals commonly hosted as inclusions in galena. Wall-rock alteration, which consists of sericitization, silicification and pyritization, is typically of limited extent; <1m width. Regional faults, fault sets, and fractures are an important ore control, and veins are typically associated with second order structure which postdates deformation and metamorphism. Significant deposits are restricted to, and dependent upon, competent lithologies.

Two stages of vein mineralization have been recognized in the district. First stage mineralization included quartz, pyrite $\pm$ arsenopyrite, with trace gold and sulphosalts in vein faults. Second stage mineralization is defined by siderite, galena, sphalerite, pyrite, freibergite and pyrargyrite, typical of deposits within the central Keno Hill district. Silver mineralization is hosted by two sets of vein faults; longitudinal veins striking 035° to 080° and transverse veins striking 000° to 035°. Both sets dip between 50° and 80° to the southeast. Historically, longitudinal veins are the main producers of silver due to their significant strike extent. However, transverse veins, which represent dilatational zones between en echelon longitudinal faults, often contain small deposits of very high-grade.

Gold mineralization is hosted within quartz-arsenopyrite veins in quartzite and schist and is interpreted to be associated with the emplacement of Cretaceous Tombstone suite granitoid intrusions. This style of mineralization is characteristic of intrusion related gold system and is found elsewhere in the Tintina gold belt. In the overlying Hyland Group, gold mineralization is associated with limey beds, aplite dykes and appears to follow the same northeast trending structures as silver mineralization in the district.

The Wayne (105M 029) MINFILE occurrence which is interpreted to be a Plutonic Au-related deposit, is located 10km southwest of Elsa and may indicate the presence of a high-level gold-bearing hydrothermal system associated with buried felsic intrusive rocks (Roots, 1992). This theory is supported by the observation of numerous aplitic dykes at surface. The Wayne occurrence consists of a branching, north-striking vein which cuts Carboniferous Keno Hill Quartzite near its contact with schist of the Late Proterozoic Hyland Group. The vein has been traced for 121.9 m by bulldozing and up to 61 m below surface by drilling. Mineralization consists of galena, sphalerite and tetrahedrite in a carbonate gangue. In 1968, 5.88 tons of surface high-graded ore assayed 4,580.4 g/t Ag, 56.0% Pb, 4.4% Zn and 2.02 g/t Au.

5 2019 YMEP-Funded Work Program

The 2019 YMEP-funded exploration program on the Duncan Creek claims was completed between July 8th and July 14th, totaling 14 man-days. The program consisted of mapping, prospecting, rock and soil sampling of two targets; SW Williams Creek and Central Duncan Creek. The cost of the 2019 YMEP work program totaled \$13,956.44.

In summary, the exploration program included:

- Prospecting and mapping of outcrop and structures; and
- Soil sampling of two targets, involving:
 - 60 soil samples at ~100 m grid spacing along SW Williams Creek; and
 - 90 soil samples at ~100 m spacing contouring elevation at ~820 m along Duncan Creek.

5.1 Prospecting & Mapping

TruePoint staff conducted five days of prospecting and mapping concurrent with soil sampling on the Duncan Creek claims with focus on areas of previously identified anomalous soils. Due to the dense vegetation (predominantly willows) and thick overburden, there is little known outcrop exposure on the claims and at present no detailed property scale map coverage. The primary objective was to expand the sampling extent of geochemical anomalies, focusing on identifying controlling structures.

Due to the limited nature of the 2019 program, only preliminary mapping of the claims was accomplished. Mapping of the SW Williams Creek area resulted in the discovery of significant quartz vein material with pervasive limonite stained fractures and vugs, and trace amounts of galena. Several generations of quartz veining were recognized in subcrop, ranging from boudinage and foliation-parallel to massive. Ptygmatic-folded quartzite (mapping stations 090719LB083 & 086) was mapped along the western extent of the quartz vein material. Whereas the eastern extent of mapped subcrop was predominantly quartz-sericite-schist (mapping stations 090719LB085, 091 & 092) interbedded with dark blue phyllite exhibiting z-folding. Quartz veins associated with these units are foliation parallel and boudinaged (see **Table 3** (page 15) and **Figure 5** (page 17)). Mapping along central Duncan Creek revealed subcrop of variably interbedded quartz-sericite-schist and dark blue phyllite exhibiting undulatory foliation. Fine-grained m-folds were identified in phyllite outcrop (120719LB096) perhaps reflective of a local fold hinge. A singular outcrop of intensely deformed meta-psammite (130719LB098) warrants further structural mapping (see **Table 3** (page 15) and **Figure 6** (page 18)). Additionally, two historic placer workings were identified and documented.

Key findings include quartz vein $\pm$ galena material in subcrop traced for an extent of approximately 300 meters trending roughly northeast-southwest and coincident with a multi-element Ag-Pb-Zn-Cu anomaly above Williams Creek. Geochemical results can be seen in **Table 4** (page 16) and **Figures 9-14** (pages 21-26).

Table 3. Duncan Creek Claims- 2019 Mapping Stations

Station ID	Easting	Northing	Type	Description
090719LB080	476208	7080218	Subcrop	Quartz Vein
090719LB081	476192	7080217	Subcrop	Quartz Vein
090719LB082	475953	7080312	Subcrop	Quartz Vein
090719LB083	476132	7080434	Subcrop	Quartzite
090719LB084	476159	7080417	Subcrop	Quartz Vein
090719LB085	476170	7080410	Subcrop	Sericite Schist
090719LB086	476200	7080613	Subcrop	Quartzite
090719LB087	476187	7080296	Subcrop	Quartz Vein
090719LB088	476191	7080269	Subcrop	Quartz Vein
100719LB089	476114	7080542	Subcrop	Quartz Vein
100719LB090	476113	7080559	Subcrop	Quartz Vein
100719LB091	476394	7080539	Outcrop	Quartz-Sericite Schist
100719LB092	476404	7080562	Outcrop	Quartz-Sericite Schist
110719LB093	480886	7082619	Subcrop	Phyllite
120719LB094	477964	7079976	Outcrop	Phyllite
120719LB095	478042	7080150	Outcrop	Quartz-Sericite Schist
120719LB096	478615	7080791	Outcrop	Phyllite
130719LB097	477779	7079239	Outcrop	Quartz-Sericite Schist
130719LB097a	477755	7079225	Outcrop	Quartz-Sericite Schist
130719LB098	479467	7081306	Outcrop	Meta-psammite
HD-SHF-01	480949	7082869	Historic Working	Placer Shaft
HD-SHF-02	480875	7082826	Historic Working	Placer Shaft
PR-H-01	476012	7080392	Waypoint	Potential heli-pad

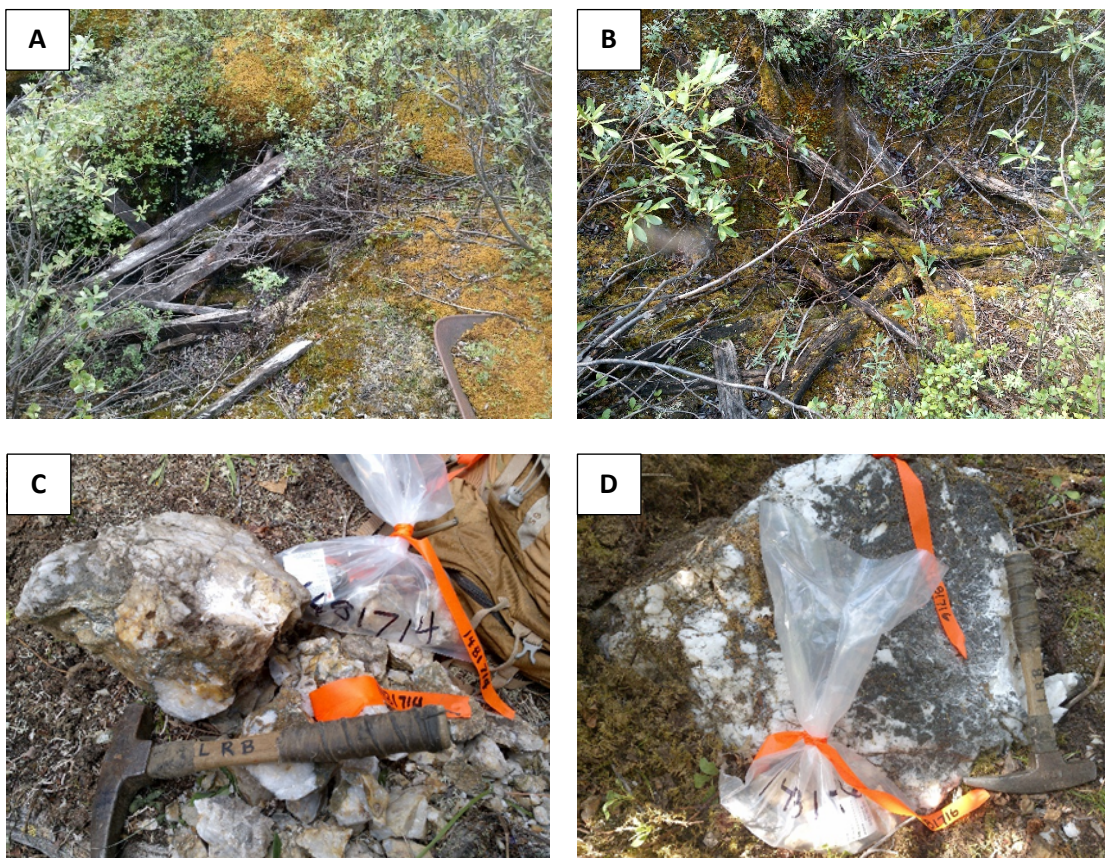


Photo Plate 1. **A:** Historic workings and placer mining artifacts HD-SHF-01, **B:** Historic workings HD-SHF-02, **C:** Quartz vein material from subcrop, sample 1481714, and **D:** Quartz vein boulder, sample 1481716.

Table 4. Summary of Duncan Creek Rocks – All 2019 Samples

Sample ID	Easting	Northing	Au (ppb)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Cu (ppm)	As (ppm)
1481714	476208	7080218	2.7	0.1	12.6	34	2.5	18.5
1481715	476170	7080410	3.6	0.05	19.3	17	3.9	6
1481716	476187	7080296	2.3	0.05	6	4	2.8	0.5
1481717	476404	7080562	2.7	0.05	9.6	23	2.1	1.8

Figure 5. SW Williams Creek- Mapping Stations

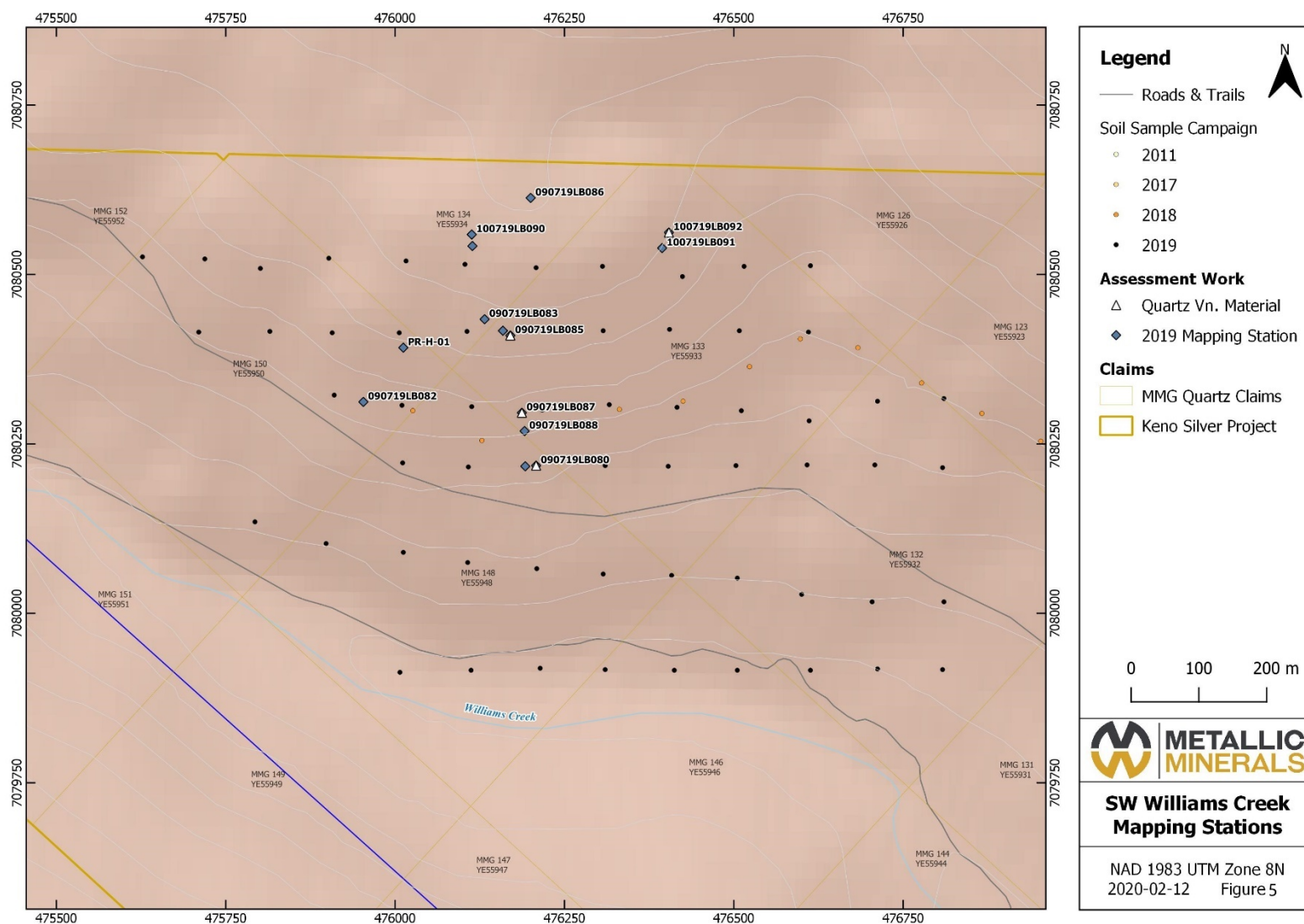
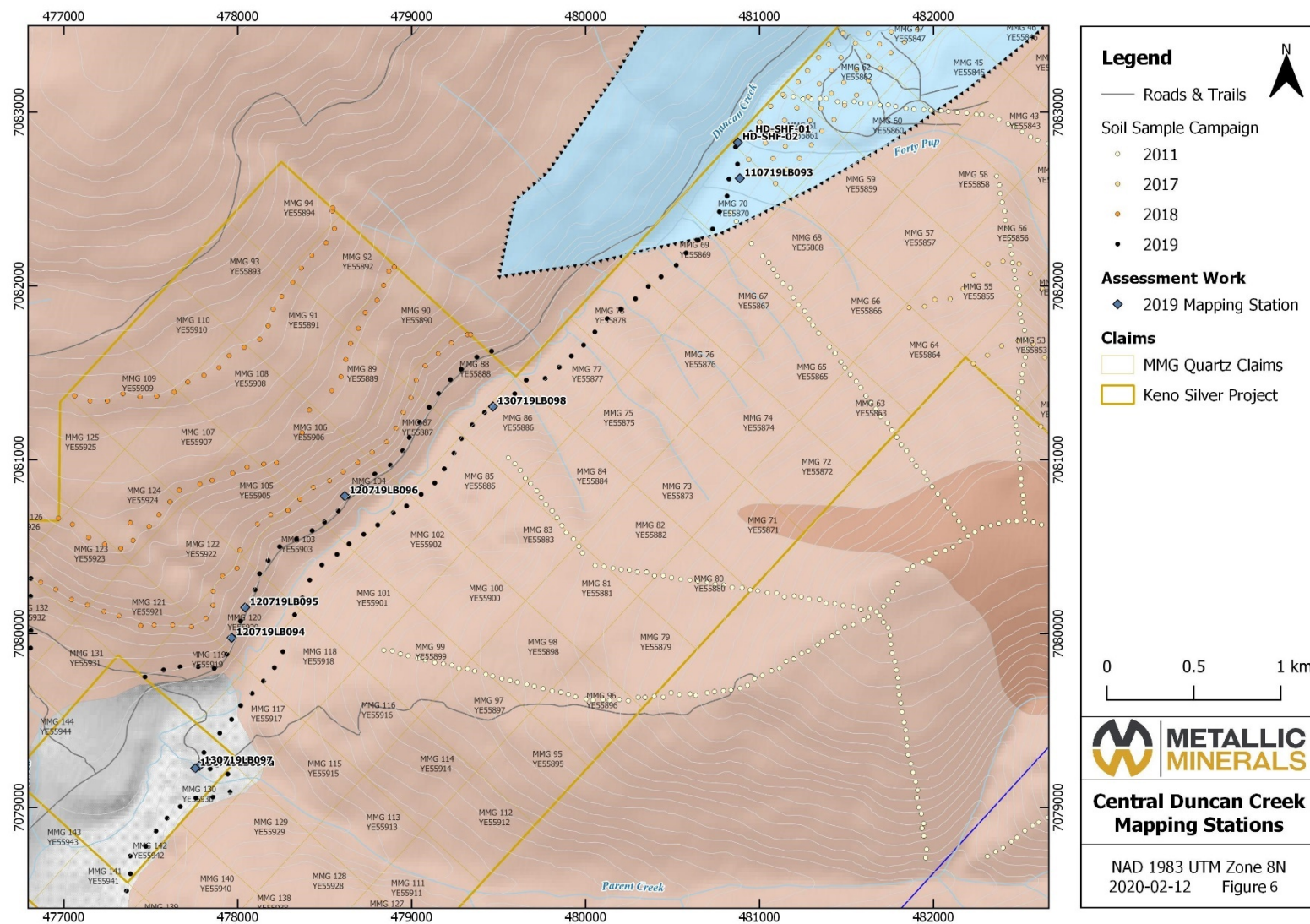


Figure 6. Central Duncan Creek- Mapping Stations



5.1.1 Rock Sampling Procedures & Geochemical Analysis

Four (4) samples were collected from a discontinuous quartz vein in subcrop extending approximately 300 meters down-slope towards Williams Creek. All samples were sent to Bureau Veritas in Whitehorse for geochemical analysis (refer to **Appendix II** for full results and **Appendix III** for rock descriptions). Sample preparation consisted of crushing, split and pulverize 250 g of rock to 200 mesh. Sample splits of 0.5 g were then leached in hot modified Aqua Regia (partial digestion). Thirty grams of the total sample were then analyzed for 36 elements using inductively coupled mass spectrometry (ICP-ES/MS) analytical technique.

5.2 Soil Sampling

Soil sampling was performed on two open multi-element anomalies identified in 2018, with the aim of defining the extent of each anomaly. SW Williams Creek sampling consisted of 60 samples taken at approximately 100 m grid intervals, encountering permafrost in 15 of the samples at an average depth of 40 cm, **Figure 7** (below). Central Duncan Creek sampling consisted of 90 samples approximating the 820 m elevation contour, at 100 m spacing, on either side of Duncan Creek. Permafrost was encountered in 12 of the samples at an average depth of 55 cm, with a significant portion (n=39) of samples from the southeastern contour interpreted to be from frost lobes as a result of local solifluction, likely indicating permafrost at depth, **Figure 8** (page 20).

Figure 7. SW Williams Creek- Permafrost Encountered

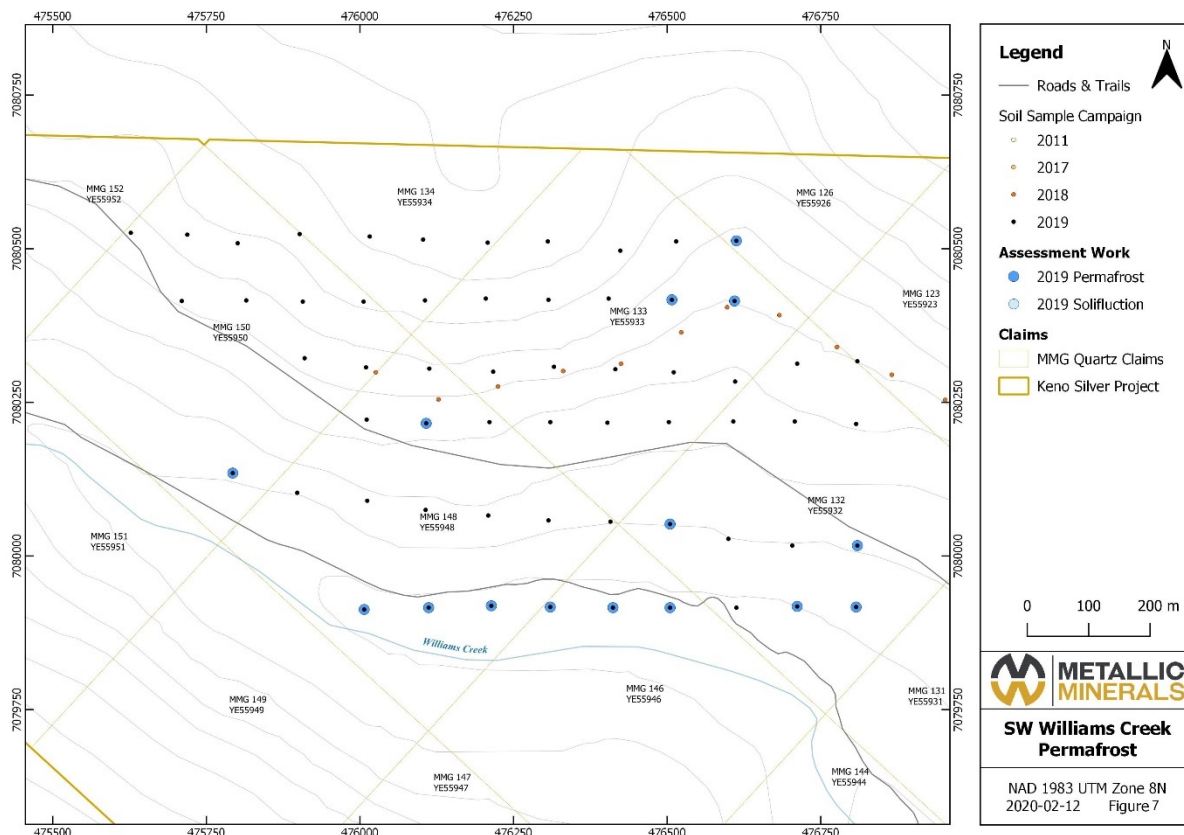
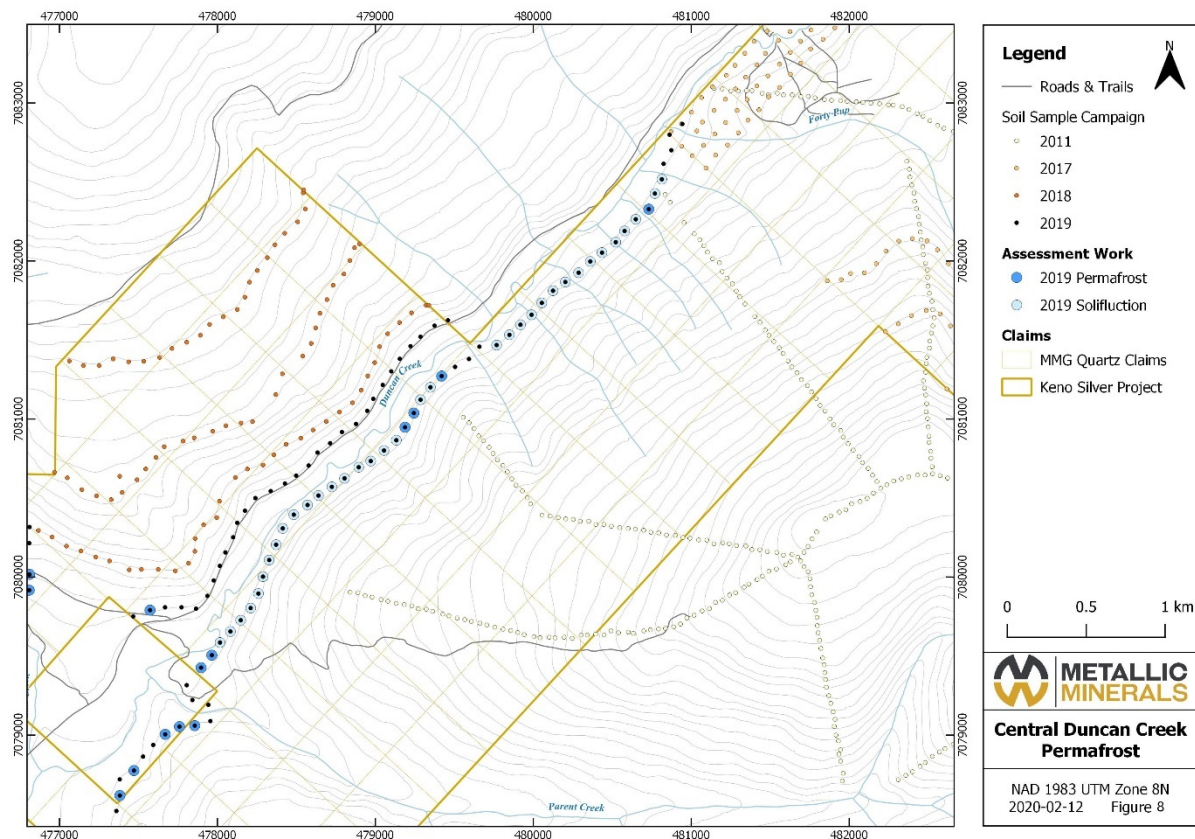


Figure 8. Central Duncan Creek- Permafrost Encountered



5.2.1 Soil Sampling Procedures & Geochemical Analysis

Samples were collected in Kraft soil sample bags and shipped to Bureau Veritas in Whitehorse for assaying to evaluate the precious metal concentrations present. Sample preparation consisted of drying the samples at 60°C, followed by sieving 100 grams of the samples to -80 mesh. These samples were then leached in hot modified Aqua Regia (partial digestion). Finally, 15 grams of the total sample were then analysed for 36 elements using inductively coupled mass spectrometry (ICP-ES/MS) analytical technique (refer to **Appendix II** for full results and **Appendix IV** for soil descriptions).

5.2.2 Results & Interpretations- SW Williams Creek Soils

Soil samples from the SW Williams Creek grid returned consistently higher values of Au, Ag, Pb, Zn, Cu and As through the central portion of the grid, oriented roughly NE-SW. In conjunction with the general increase in metal values towards the center of the grid were several anomalous samples. These include sample 1895588 which assayed at 3.6 ppm Ag, 126.4 ppm Pb, 173 ppm Zn, and 652.8 ppm As; and sample 1895558 which assayed at 301.6 ppb Au. Overall, there is a very strong correlation between Ag-Pb-As concentrations, with moderately strong correlations between Ag-Zn, Pb-Zn and Zn-As (see **Figures 9-14** (pages 21-26)). As aforementioned, the orientation of this multi-element anomaly is coincident with the presence of significant quartz vein material in sub-crop which may indicate the presence of a mineralized structure, or the migration of mineralized rock or fluid downslope.

Figure 9. SW Williams Creek- Soil Au [ppb]

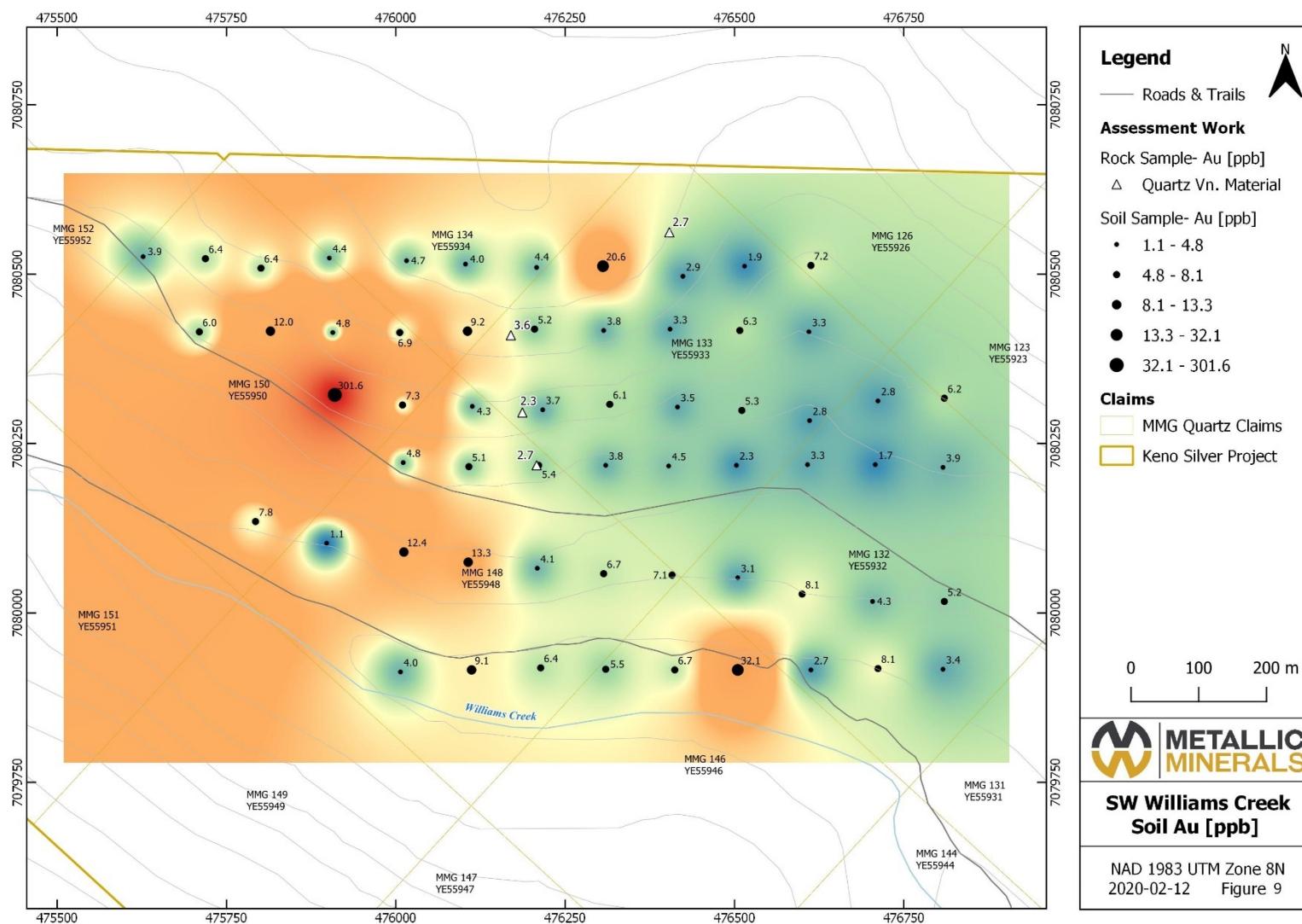


Figure 10. SW Williams Creek- Soil Ag [ppm]

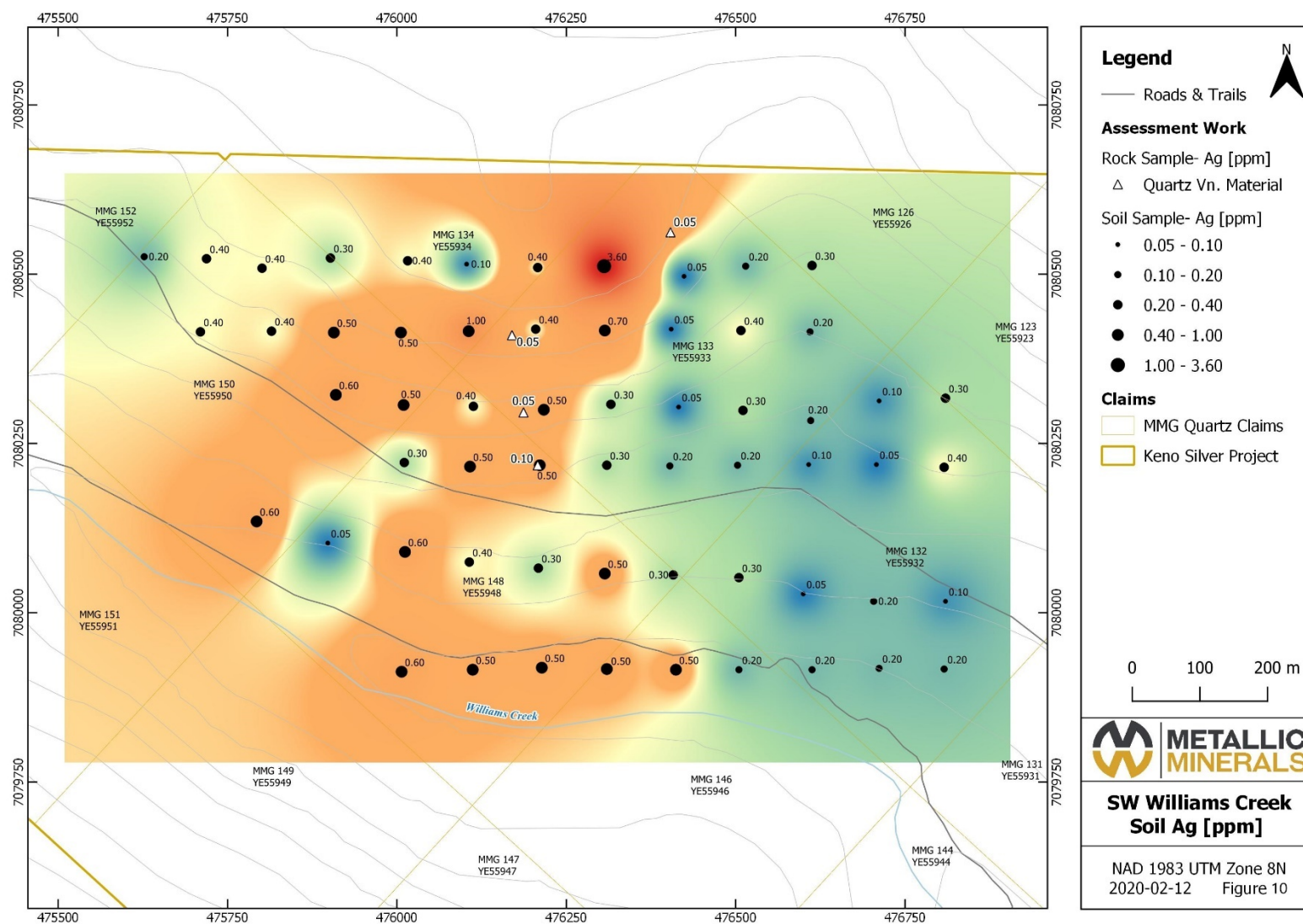


Figure 11. SW Williams Creek- Soil Pb [ppm]

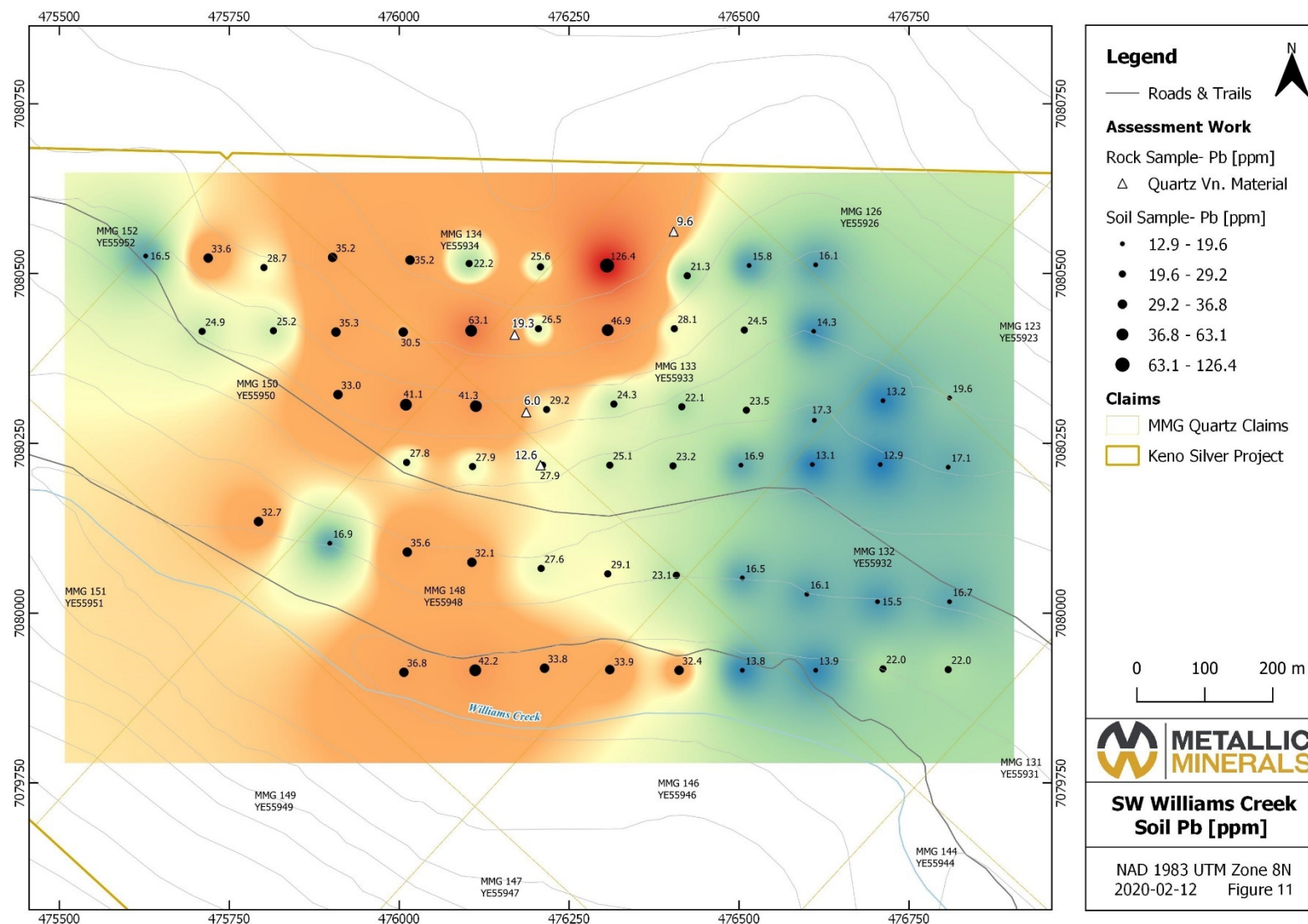


Figure 12. SW Williams Creek- Soil Zn [ppm]

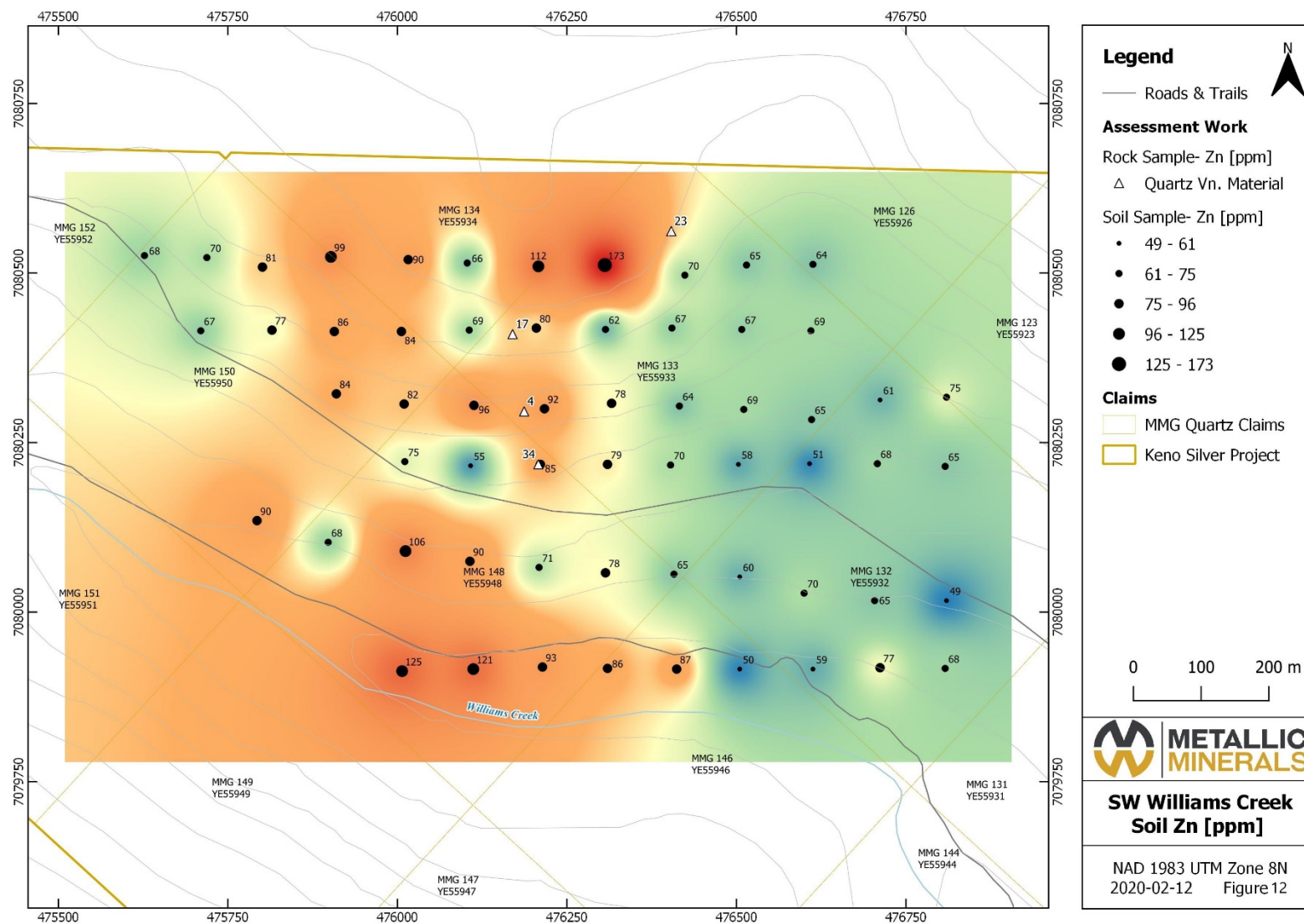


Figure 13. SW Williams Creek- Soil Cu [ppm]

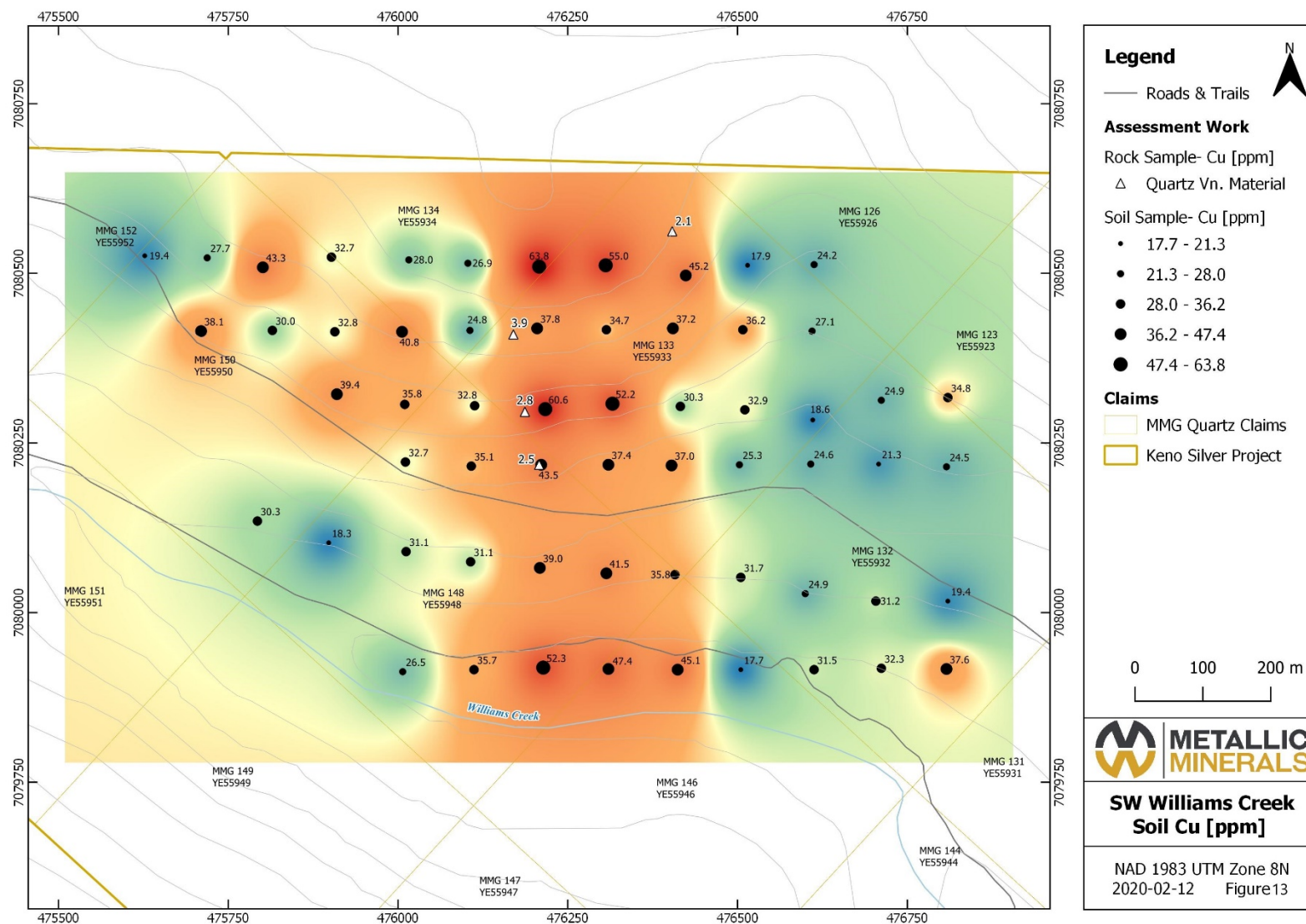
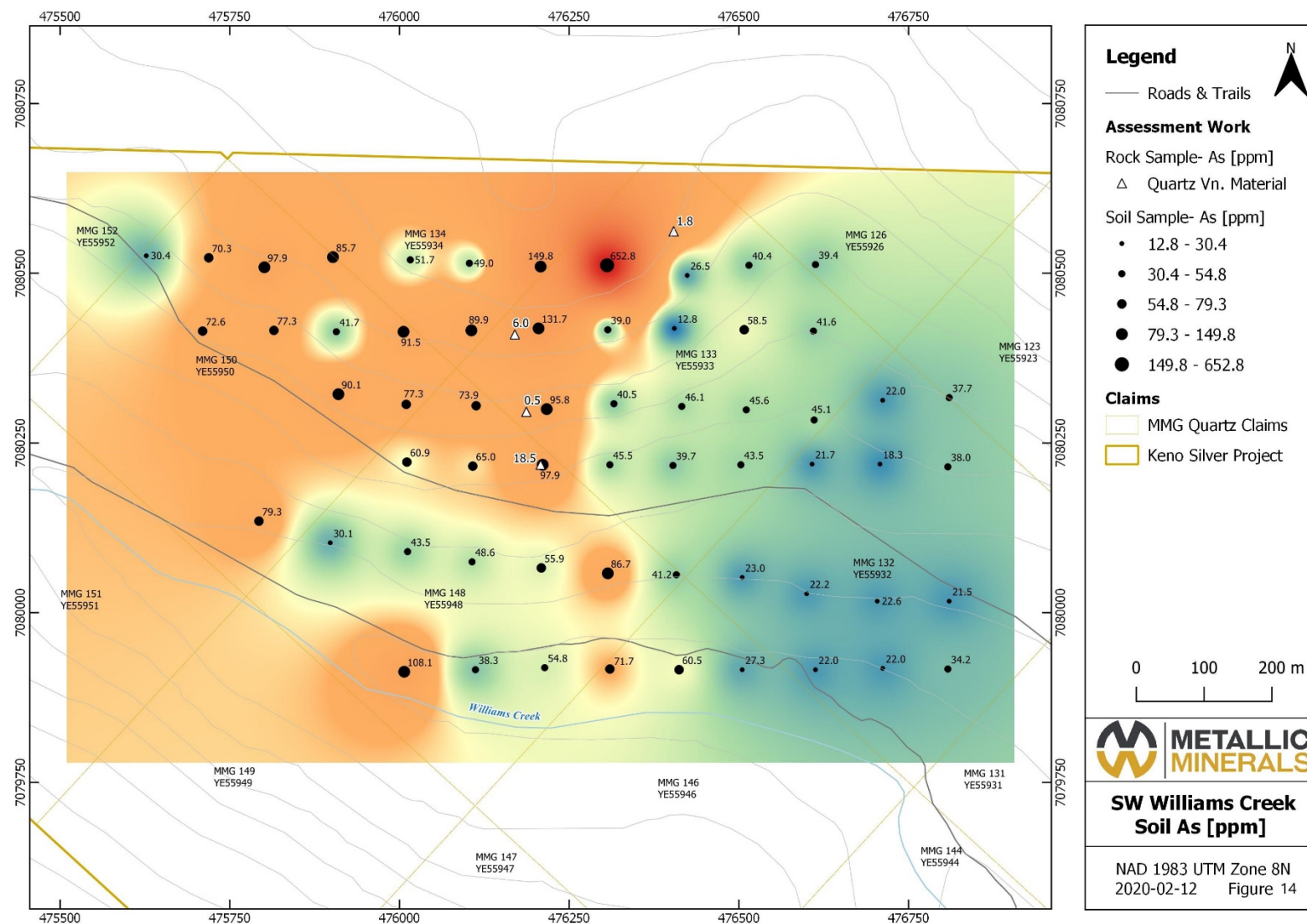


Figure 14. SW Williams Creek- Soil As [ppm]



5.2.3 Results & Interpretations- Central Duncan Creek Soils

Soil samples from the Central Duncan Creek contours returned consistently higher values of Au, Pb, Zn, Cu and As in three distinct zones.

The first zone is situated on claims MMG 120, MMG 103 and MMG 104 with samples which returned consistently higher than average values of Au, Ag, Pb and Cu. This anomaly may be oriented roughly parallel to Duncan Creek, trending northeast-southwest, or may be an artifact of directional sampling.

The second anomalous zone is situation on claim MMG 88 defined by several samples of above average Au, Pb and Zn, and is directly downslope from two historic anomalous samples; 1496515 and 1496518 which assayed at 152.3 and 25.9 ppb Au, respectively.

The third zone is situated on claims MMG 78, MMG 69 and MMG 70 which are projected to be underlain by the Robert Service Thrust Fault. This anomaly is defined by several samples of above average Au, Pb, Zn and Cu concentrations including one highly anomalous sample, 1895620, which assayed at 24.4 ppb Au, 43 ppm Pb, 133 ppm Zn, 85.1 ppm Cu and 207.5 ppm As. Sample 1895620 is projected to be underlain by the Keno Hill Quartzite Sourdough Member, a known mineralization host. This sample is also proximal to previously detected geochemical anomalies on claim MMG 61, including historic sample 1891205 which returned 46.3 ppb Au.

Overall, there is a moderately strong correlation between Cu-Pb-Zn concentrations along Duncan Creek, however the area returned consistently low values of Au and Ag, save for several anomalous samples, see **Figures 15-20** (pages 28-33).

Figure 15. Central Duncan Creek- Soil Au [ppb]

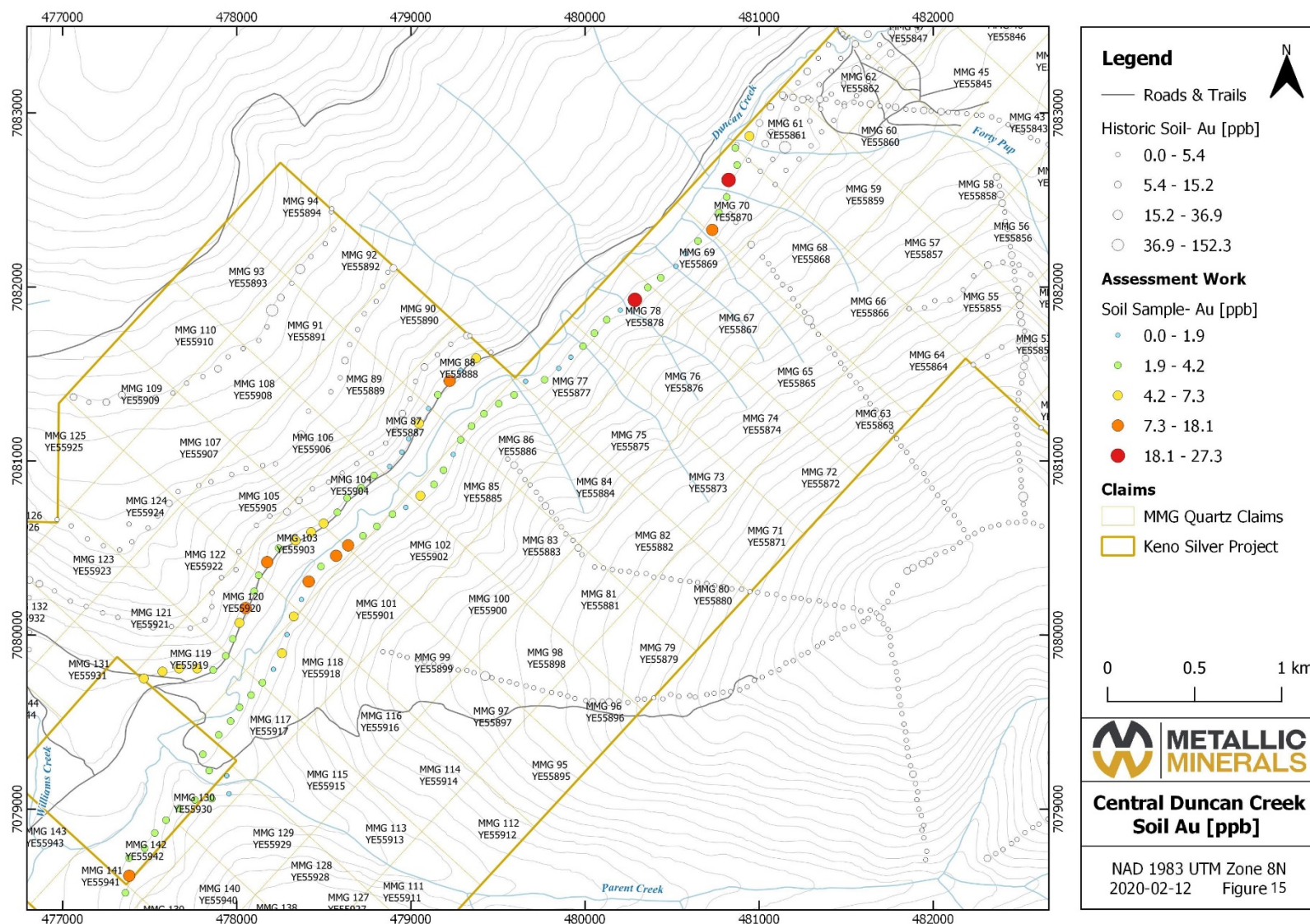


Figure 16. Central Duncan Creek- Soil Ag [ppm]

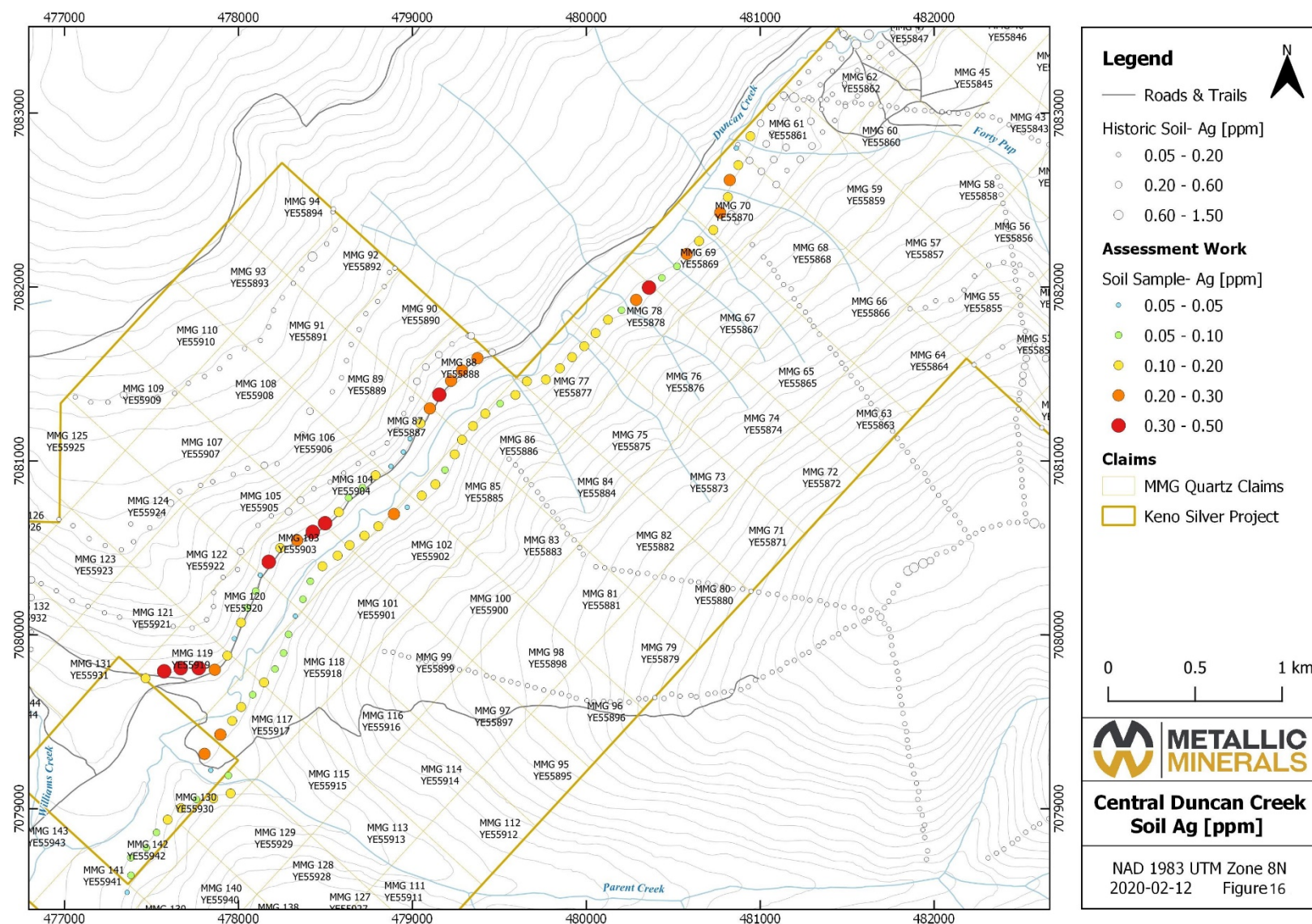


Figure 17. Central Duncan Creek- Soil Pb [ppm]

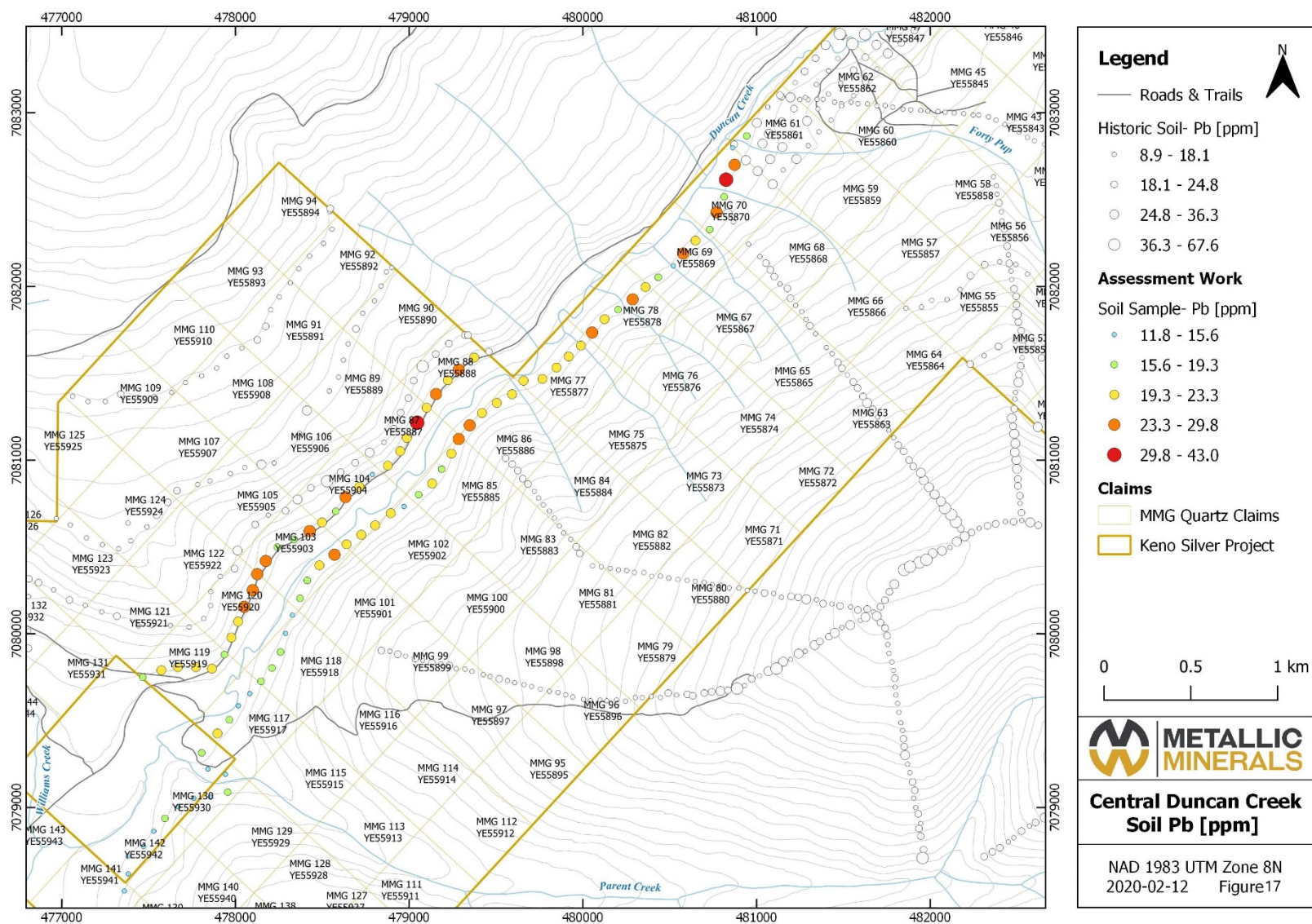


Figure 18. Central Duncan Creek- Soil Zn [ppm]

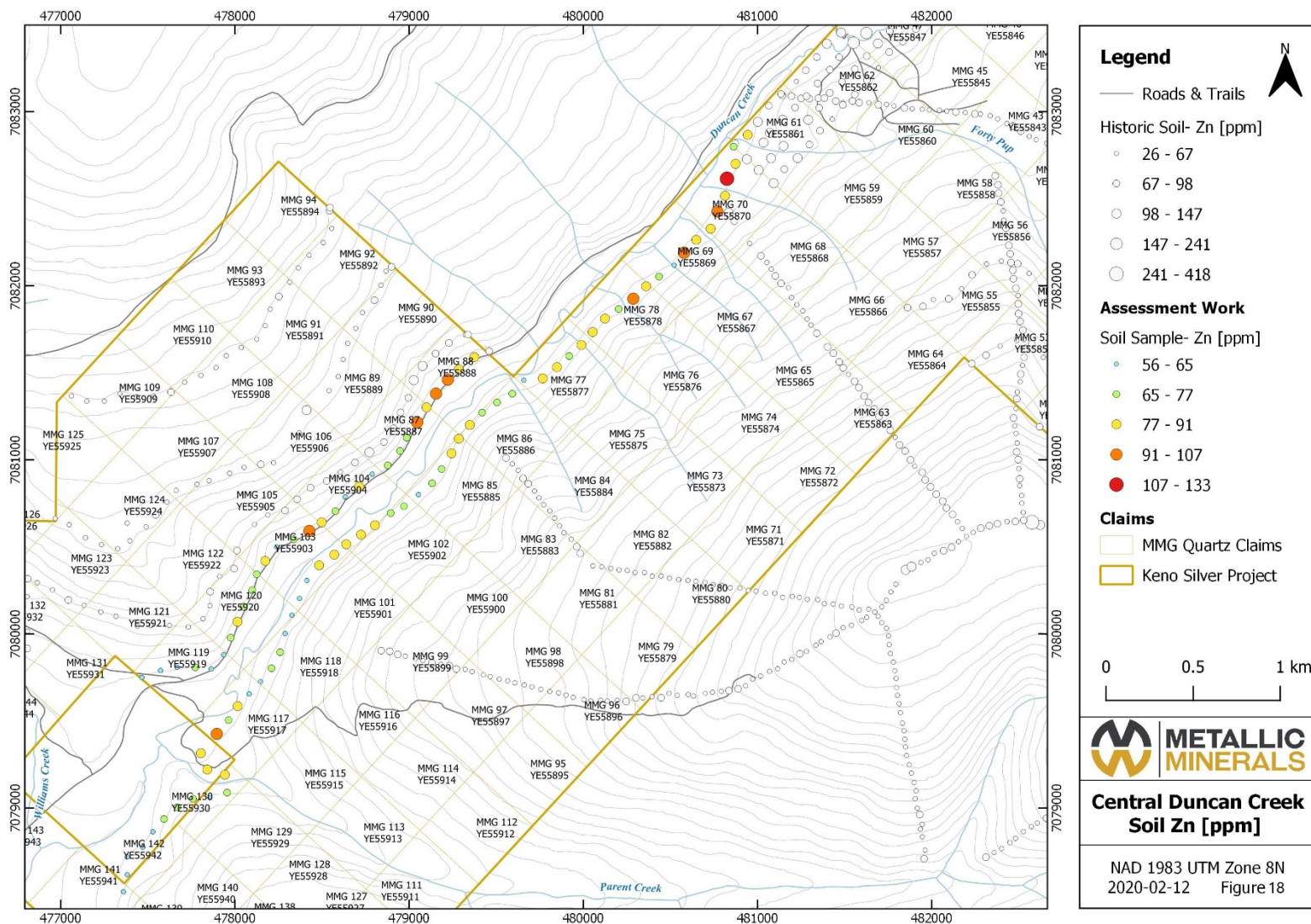


Figure 19. Central Duncan Creek- Soil Cu [ppm]

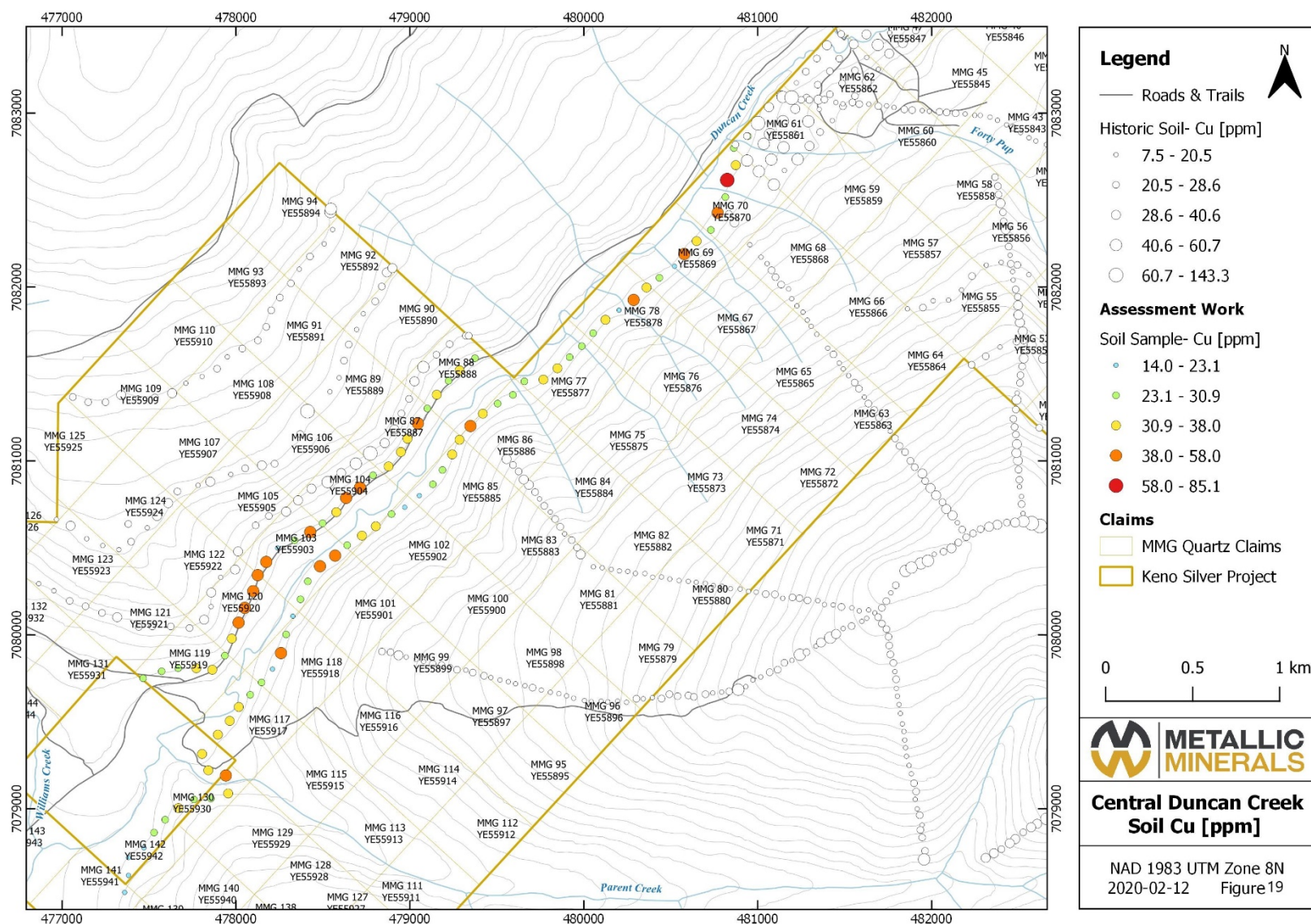
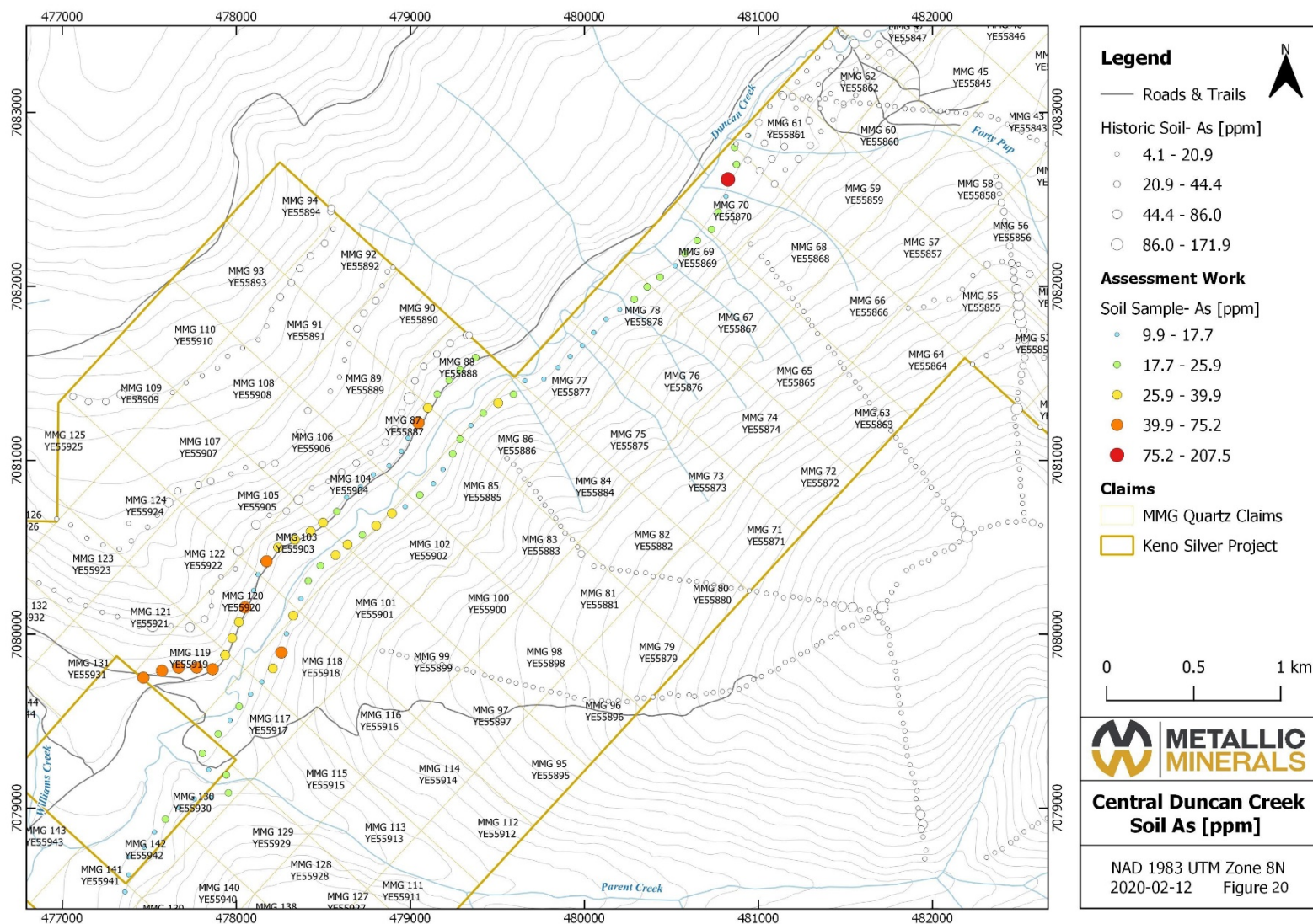


Figure 20. Central Duncan Creek- Soil As [ppm]



6 Conclusions and Recommendations for Future Work

The 2019 YMEP-funded Target Evaluation on the Duncan Creek claims was deemed successful in expanding the known extent of several geochemical soil anomalies from previous 2017 & 2018 campaigns. Moreover, the orientation of the SW Williams Creek anomaly was discovered to be coincident with the presence of significant quartz vein $\pm$ galena material which may indicate the presence of a mineralized structure. Limited exposure, dense vegetation and significant overburden makes property-scale mapping and prospecting efforts difficult. However, several outcrops were identified, and historic workings were documented.

The 2019 soil sampling campaign proposed for the SW Williams Creek target included a total of 121 soil samples comprising a NS-EW oriented grid at 100m-spacing, overlapping an open multi-element Ag-Cu-Pb-Zn anomaly. Due to resource and time restrictions, a total of 60 soil samples were collected from the proposed grid. The northeastern extent of the multi-element anomaly was successfully defined, with the presence of a significant structure oriented roughly northeast-southwest detected. One highly anomalous sample, 1895558 which assayed at 301.6 ppb Au, was collected from the southwestern extent of the grid warranting further sampling towards Williams Creek in 2020.

The 2019 soil sampling campaign proposed for Central Duncan Creek included a total of 305 soil samples comprising six (6) contour lines at 100m elevation intervals, extending southeast to cover the entire claim block. Due to resource and time restrictions, two northwestern lines were prioritized for the collection of a total of 90 samples. This limited campaign detected several zones of elevated metal concentrations on both sides of Duncan Creek, with anomalous samples on claims MMG 70, MMG 78 and MMG 103 warranting follow-up in 2020.

As aforementioned, the orientation of the SW Williams Creek anomaly is coincident with the presence of quartz vein $\pm$ galena material extending $\sim$ 300 m, which may indicate the presence of a mineralized vein. This discovery is of high significance due to the limited exposure on the claims warranting further prospecting, mapping and potential trenching in 2020.

6.1 Recommendations for Future Work

The cumulative work of the 2017, 2018 and 2019 field seasons has highlighted several multi-element geochemical soil anomalies. As a result, the following is recommended for the 2020 field season and beyond:

- Completion of the SW Williams Creek soil grid at 100m-spacing extending west;
- Completion of the Central Duncan Creek soil contours at 100m-elevation intervals extending southeast to cover the entire claim block enabling better understanding of the areas baseline geochemistry;
- Retargeted soil sampling, at 25m grid spacing, of the multi-element SW Williams Creek anomaly coincident with quartz vein material;
- Continued prospecting along orientation of quartz vein $\pm$ galena material, both laterally and upslope, to identify in-situ mineralization, gain structural understanding and extend known strike of structural corridor;
- Utilization of a geoprobe to collect bedrock interface samples post-soil and prospecting along the newly located north-trending quartz vein $\pm$ galena material; and
- Assess feasibility of IP or ground/drone magnetics and VLF-EM surveys in order to gain structural insight where exposure is limiting
 - Ground penetrating radar (GPR) may also be used to determine bedrock depth when assessing the trenching potential of structures.

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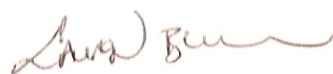
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8 Statement of Qualifications

I, Lauren Blackburn, of the City of Whitehorse, in the Territory of Yukon, HEREBY CERTIFY:

1. That I am a Yukon-based geologist and have worked on the project during the summers of 2018 and 2019.
2. That I am a graduate of the University of Alberta (B.Sc. Geology, 2007).
3. That I have been engaged in mineral exploration and development and have worked on a full-time basis in Yukon Territory and Mexico since 2006 and in northern Canada (NU, NWT, YT, northern BC) since 2005.
4. That I am an employee of TruePoint Exploration (2019 – present). TruePoint is the exploration arm for MMG to which I have been employed since 2017.
5. I consent to the use of this report by Metallic Minerals Corp. for application, assessment and/or regulatory and financing purposes deemed necessary.

Dated at Whitehorse, Yukon Territory this 25th day of March 2020.



Lauren Blackburn B.Sc.
TruePoint Exploration
53A Linville Road, PO Box 10495
Whitehorse, Yukon Y1A 7A1

I, Paige Ahrens, of the City of Montreal, in the Province of Quebec, HEREBY CERTIFY:

1. That I am a geologist based out of Montreal and have worked on the project during the summer of 2018 and 2019.
2. I am a graduate of Carleton University (B.Sc. Hons Earth Sciences, 2016).
3. I have worked in the field of geology and mineral exploration in Canada full-time in (Yukon Territory and Quebec) since 2018.
4. That I am an employee of TruePoint Exploration (2019 - present). TruePoint is the exploration arm for MMG to which I have been employed since 2018.
5. I consent to the use of this report by Metallic Minerals Corp. for application, assessment and/or regulatory and financing purposes deemed necessary.

Dated at Montreal, Quebec this 25th day of March 2020.



Paige A. Ahrens, B.Sc.
TruePoint Exploration
2256 Ave du Mont Royal Est.
Montreal QC, H2H 1K6

Appendix I. YMEP Final Submission Form

YMEP FINAL SUBMISSION FORM

		Date submitted:	
<i>submit by January 31st to:</i> <i>(winter placer projects may submit at pre-approved date)</i>	YMEP- EMR/ YTG Street address: 102-300 Main Street Mailing address: Box 2703, K-102 Whitehorse, Yt, Y1A 2C6		
		YMEP@gov.yk .ca phone: 867-456-3828 fax: 867-667-3198	
CONTACT INFO		PROJECT INFO	
Name:		YMEP no:	
Address:		Project name:	
		Project type:	
email		Project module:	
Phone:			
Is the final report enclosed? _____ yes _____ hard copy _____ no _____ pdf copy _____ digital spreadsheet of station location data			
Comment:			
PROJECT SUMMARY			
Total project expenditures: _____			
Number of new claims since March 31st: _____			
Has an option resulted since March 31? _____ yes _____ no _____ in negotiation			
Number of calendar field days: _____			
Number of person-days of employment: _____ paid _____ days of unpaid work			
Total no. of samples: _____ rocks _____ silts _____ soils _____ other			
Total length/volume of trenching/ shafting: _____			
Total number of line-km of geophysics _____			
Total meters drilled _____ diamond drill _____ RC drill _____ auger/percussion drill			
Other products (provide details): _____			
<i>This is not an expense claim form. To request reimbursement of expenses, please submit a separate detailed expense claim form.</i>			
FINANCIAL SUMMARY			
Total daily field allowance	_____	Total contractor costs	_____
Total field air transportation costs (helicopter/plane)	_____	Total excavating/ heavy equipment costs	_____
Total truck/ mileage costs	_____	Total assay/analyses costs	_____
Total wages paid	_____	Total reclamation costs	_____
Total light equipment rental costs	_____	Total report writing cost	_____
Other (please specify) _____		Total staking costs	_____
Other (please specify) _____			

YMEP FINAL SUBMISSION FORM

Your feedback on any aspect of the program:

The Department of Energy, Mines and Resources may verify all statements related to and made on this form, in any previously submitted reports, interim claims and in the Summary or Technical Report which accompanies it.

I certify that;

1. I am the person, or the representative of the company or partnership, named in the Application for Funding and in the Contribution Agreement under the Yukon Mining Incentives Program.
2. I am a person who is nineteen years of age or older, and I have complied with all the requirements of the said program.
3. I hereby apply for the final payment of a contribution under the Yukon Mineral Exploration Program (YMEP) and declare the information contained within the Summary or Technical Report and this form to be true and accurate.

Date _____

Signature of Applicant

 _____

Name (print)



Duncan Creek - 2019 Target Evaluation YMEP Program Expenditures

Transportation - Staff to Keno Base Camp	Details	Rate	Subtotal
2 persons (Whitehorse --> Keno) - 1 truck	464 km	\$0.60/km	\$278.40
2 persons (Keno --> Whitehorse) - 1 truck	464 km	\$0.60/km	\$278.40
UTV rental (2)	7 days	\$70/day	\$980.00
	TOTAL TRANSPORTATION =		\$1,536.80
Staffing - Soil Sampling, Prospecting & Mapping	No. of Days	Rate	Subtotal
Lauren Blackburn - Senior Geologist (Jul/8-14)	7	\$500.00	\$3,500.00
Mike Linley - Technician/Prospector (Jul/8-14)	7	\$350.00	\$2,450.00
	TOTAL STAFFING =		\$5,950.00
Daily Field expenses	No. of Days	Rate	Subtotal
L.R. Blackburn (Jul/8-14)	7	\$100.00	\$700.00
Mike Linley (Jul/8-14)	7	\$100.00	\$700.00
	TOTAL DAILY FIELD =		\$1,400.00
Accommodation Rental	Days	Rate	Subtotal
Keno Bottlehouse	7	\$96.77	\$677.39
	TOTAL ACCOMMODATION RENTAL =		\$677.39
Assay Costs	No. Samples	Rate	Subtotal
Soil Samples - BV - INV VAN/337567	151	\$21.83	\$3,296
Rock Samples - BV - INV VAN/338564	4	\$24.00	\$96.00
	TOTAL GEOCHEMISTRY =		\$3,392.25
Reporting	No. Man-days	Rate	Subtotal
Final Report (L.R. Blackburn)	2	\$500.00	\$1,000.00
TOTAL actual expenses =			\$13,956.44



Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT
QST # 1219972641

MINERALS

Bill To: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver, BC V6G 1T2
CANADA

Invoice Date: August 1, 2019
Invoice Number: **VANI337567**
Submitted by: Scott Petsel
Email: Scott.petsel@metallic-minerals.com
Invoice Contact: Scott Petsel
Email: Scott.petsel@metallic-minerals.com
Job Number: WHI19000217
PO Number:
Project Code: Keno Silver
Shipment ID: KS19-1
Quote Number: NA-19211

Item	Package	Description	Sample No.	Unit Price	Amount
1	SS80	Sieve 100g soil to -80 mesh	151	\$2.42	\$365.42
2	AQ201	15g - 36 element ICP ES/MS	151	\$15.22	\$2,298.22
3	WHPLP	First 3 months storage of pulps	151	\$0.90	\$135.90
4	DISRJ	Disposal of rejects	151	\$0.75	\$113.25
5	SHP-01	Per sample charge for branch shipment	151	\$1.50	\$226.50
			Net Total		\$3,139.29
			GST		\$156.96
			Grand Total	CAD	\$3,296.25

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For **cheque payments**, please remit payable to:
Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver BC, V6P 6E5

Please specify invoice number on cheque remittance.

For electronic payments or any enquiries, please contact acct.receivable@ca.bureauveritas.com.



**BUREAU
VERITAS**

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT
QST # 1219972641

MINERALS

Bill To: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver, BC V6G 1T2
CANADA

Invoice Date: August 13, 2019
Invoice Number: **VANI338564**
Submitted by: Scott Petsel
Email: Scott.petsel@metallic-minerals.com
Invoice Contact: Scott Petsel
Email: Scott.petsel@metallic-minerals.com
Job Number: WHI19000218
PO Number:
Project Code: Keno Silver
Shipment ID: KS19-1
Quote Number: NA-19211

Item	Package	Description	Sample No.	Unit Price	Amount
1	PRP70-250	Crush and Pulverize 250 g	10	\$5.50	\$55.00
2	PRP70-250	Overweight crushing charges per 100g	14	\$0.05	\$0.70
3	AQ202	30g - 36 element ICP ES/MS	10	\$18.55	\$185.50
4	WHPLP	First 3 months storage of pulps	10	\$0.90	\$9.00
5	DISRJ	Disposal of rejects	10	\$0.75	\$7.50
6	SHP-01	Per sample charge for branch shipment	10	\$1.50	\$15.00
7	AR404	0.5g/200ml Aqua regia digestion	1	\$8.57	\$8.57
8	AR404	each additional element	1	\$2.90	\$2.90
			Net Total		\$284.17
			GST		\$14.21
			Grand Total	CAD	\$298.38

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For **cheque payments**, please remit payable to:
Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver BC, V6P 6E5

Please specify invoice number on cheque remittance.

For electronic payments or any enquiries, please contact acct.receivable@ca.bureauveritas.com.

Appendix II. Batch Sheets & Assay Certificates



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **True Point Exploration Inc.**
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2 Canada

Submitted By: Scott Petsel
Receiving Lab: Canada-Whitehorse
Received: July 17, 2019
Report Date: August 23, 2019
Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI19000217.1

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: KS19-1
P.O. Number
Number of Samples: 151

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2
Canada

CC: Samantha Dyck
Lauren Blackburn

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	151	Dry at 60C			WHI
SS80	151	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	151	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	151	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


GEORGE ARCALA
Instrumentation Shift Supervisor

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2 Canada

Project: Keno Silver
Report Date: August 23, 2019

Page: 2 of 7

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI19000217.1

Method Analyte Unit MDL		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1
1895501	Soil	1.0	37.6	22.0	68	0.2	27.2	13.7	277	2.86	34.2	3.4	6.0	22	0.3	6.0	0.2	28	0.35	0.048	17
1895502	Soil	0.5	32.3	22.0	77	0.2	27.5	10.7	302	2.14	22.0	8.1	6.2	51	0.3	10.4	0.2	24	0.67	0.058	17
1895503	Soil	1.1	31.5	13.9	59	0.2	26.2	12.8	3681	2.11	22.0	2.7	2.6	94	0.8	5.0	0.2	25	1.24	0.056	11
1895504	Soil	0.5	17.7	13.8	50	0.2	15.2	6.4	971	1.55	27.3	32.1	3.2	32	0.2	4.3	0.1	21	0.51	0.045	13
1895505	Soil	1.0	45.1	32.4	87	0.5	31.9	14.3	1379	3.07	60.5	6.7	6.4	39	0.5	9.6	0.3	26	0.66	0.064	21
1895506	Soil	0.7	47.4	33.9	86	0.5	30.1	12.7	387	2.34	71.7	5.5	6.3	38	0.6	10.7	0.3	23	0.89	0.061	21
1895507	Soil	0.6	52.3	33.8	93	0.5	28.6	8.8	168	2.21	54.8	6.4	6.0	45	0.9	9.4	0.2	24	0.96	0.062	20
1895508	Soil	1.1	35.7	42.2	121	0.5	25.4	9.6	373	2.15	38.3	9.1	7.1	22	0.9	4.6	0.2	27	0.36	0.081	19
1895509	Soil	2.0	26.5	36.8	125	0.6	26.5	15.7	5606	2.74	108.1	4.0	3.0	58	1.9	5.2	0.2	23	1.17	0.077	12
1895510	Soil	0.8	19.4	16.7	49	0.1	16.7	9.0	567	2.25	21.5	5.2	3.0	27	0.1	5.5	0.2	24	0.36	0.052	15
1895511	Soil	0.7	31.2	15.5	65	0.2	22.5	9.2	400	2.14	22.6	4.3	4.7	33	0.2	6.3	0.2	27	0.38	0.055	15
1895512	Soil	1.1	24.9	16.1	70	<0.1	20.3	9.7	459	2.19	22.2	8.1	3.8	23	0.3	3.1	0.2	34	0.34	0.056	14
1895513	Soil	0.7	31.7	16.5	60	0.3	22.4	8.4	512	1.90	23.0	3.1	2.4	53	0.4	3.0	0.2	30	1.09	0.051	12
1895514	Soil	0.8	35.8	23.1	65	0.3	24.5	11.0	754	2.46	41.2	7.1	5.8	27	0.2	6.6	0.2	27	0.36	0.047	19
1895515	Soil	0.8	41.5	29.1	78	0.5	25.7	10.4	564	2.60	86.7	6.7	6.9	25	0.3	9.5	0.2	24	0.49	0.062	20
1895516	Soil	0.8	39.0	27.6	71	0.3	26.8	11.0	696	2.48	55.9	4.1	5.8	29	0.3	6.3	0.2	25	0.70	0.050	21
1895517	Soil	0.9	31.1	32.1	90	0.4	22.4	9.2	384	2.48	48.6	13.3	7.1	22	0.3	5.0	0.2	25	0.41	0.061	19
1895518	Soil	0.9	31.1	35.6	106	0.6	21.2	8.3	469	1.98	43.5	12.4	5.0	27	0.6	4.3	0.2	25	0.54	0.072	15
1895519	Soil	0.8	18.3	16.9	68	<0.1	16.9	7.0	296	1.81	30.1	1.1	3.6	14	0.4	3.6	0.2	24	0.33	0.030	12
1895520	Soil	0.8	30.3	32.7	90	0.6	21.7	8.2	437	2.16	79.3	7.8	4.2	28	0.4	8.1	0.2	26	0.52	0.057	15
1895534	Soil	0.7	24.5	17.1	65	0.4	19.5	7.9	326	2.01	38.0	3.9	4.7	31	0.2	13.6	0.2	20	0.54	0.060	18
1895535	Soil	0.7	21.3	12.9	68	<0.1	19.5	8.5	450	2.19	18.3	1.7	6.6	19	0.2	6.2	0.2	28	0.26	0.043	18
1895536	Soil	0.5	24.6	13.1	51	0.1	17.8	8.2	416	2.05	21.7	3.3	4.6	27	0.1	13.3	0.2	25	0.42	0.057	18
1895537	Soil	0.6	25.3	16.9	58	0.2	18.4	7.6	398	1.79	43.5	2.3	3.2	35	0.4	7.9	0.1	18	0.83	0.045	13
1895538	Soil	0.7	37.0	23.2	70	0.2	26.2	12.1	446	2.97	39.7	4.5	10.5	20	0.2	6.5	0.3	15	0.34	0.051	28
1895539	Soil	0.7	37.4	25.1	79	0.3	24.8	10.9	405	2.66	45.5	3.8	6.6	43	0.2	6.3	0.3	19	0.65	0.062	21
1895540	Soil	0.7	43.5	27.9	85	0.5	29.4	12.5	439	2.81	97.9	5.4	9.6	28	0.3	12.2	0.3	22	0.68	0.066	26
1895541	Soil	0.5	35.1	27.9	55	0.5	25.0	11.0	554	2.33	65.0	5.1	4.5	74	0.3	7.4	0.2	15	1.41	0.057	15
1895542	Soil	0.6	32.7	27.8	75	0.3	25.9	10.1	469	2.63	60.9	4.8	6.5	32	0.4	7.5	0.2	24	0.71	0.055	22
1895549	Soil	0.7	34.8	19.6	75	0.3	24.3	9.6	513	2.52	37.7	6.2	6.5	21	0.3	12.3	0.2	21	0.34	0.060	18



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Client: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2 Canada

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		Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.1	0.05	1	0.5
1895501	Soil		18	0.33	215	0.016	1	0.97	0.006	0.05	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1895502	Soil		17	0.41	188	0.010	2	1.04	0.006	0.04	0.1	0.03	2.4	<0.1	0.07	3	<0.5	<0.2
1895503	Soil		15	0.36	482	0.012	2	0.85	0.007	0.04	<0.1	0.04	2.2	<0.1	0.08	2	0.7	<0.2
1895504	Soil		12	0.24	181	0.012	1	0.64	0.006	0.03	0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1895505	Soil		18	0.33	228	0.011	1	1.03	0.007	0.07	<0.1	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1895506	Soil		18	0.43	176	0.008	1	1.01	0.005	0.07	<0.1	0.03	2.3	<0.1	<0.05	3	0.5	<0.2
1895507	Soil		18	0.37	218	0.008	1	0.96	0.006	0.05	<0.1	0.04	2.5	<0.1	0.09	3	<0.5	<0.2
1895508	Soil		18	0.37	165	0.019	1	0.93	0.006	0.05	0.1	0.04	2.7	<0.1	<0.05	3	<0.5	<0.2
1895509	Soil		16	0.32	431	0.009	2	0.81	0.005	0.04	<0.1	0.05	1.9	<0.1	0.08	2	<0.5	<0.2
1895510	Soil		15	0.27	190	0.009	<1	0.87	0.005	0.05	0.1	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
1895511	Soil		17	0.35	189	0.017	<1	0.93	0.006	0.05	0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1895512	Soil		18	0.33	189	0.017	1	0.80	0.006	0.06	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1895513	Soil		18	0.33	260	0.015	2	0.83	0.008	0.05	0.2	0.04	2.5	<0.1	0.06	3	0.6	<0.2
1895514	Soil		17	0.32	169	0.014	<1	0.90	0.006	0.05	0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1895515	Soil		19	0.39	176	0.009	1	0.90	0.004	0.06	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1895516	Soil		18	0.38	184	0.011	<1	0.92	0.006	0.05	<0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1895517	Soil		18	0.38	188	0.013	<1	1.05	0.005	0.05	<0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1895518	Soil		16	0.32	147	0.017	<1	0.79	0.007	0.04	0.1	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1895519	Soil		14	0.26	98	0.016	<1	0.63	0.004	0.05	<0.1	0.02	1.8	<0.1	<0.05	2	<0.5	<0.2
1895520	Soil		19	0.35	188	0.013	<1	0.96	0.006	0.06	0.1	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
1895534	Soil		14	0.31	154	0.010	1	0.86	0.007	0.05	0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1895535	Soil		17	0.32	236	0.017	<1	1.03	0.006	0.05	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1895536	Soil		15	0.27	191	0.014	<1	0.91	0.006	0.04	0.1	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
1895537	Soil		12	0.22	151	0.012	<1	0.62	0.007	0.04	<0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1895538	Soil		12	0.25	108	0.005	<1	0.73	0.005	0.05	<0.1	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
1895539	Soil		15	0.35	134	0.007	<1	0.96	0.005	0.05	<0.1	0.03	1.9	<0.1	<0.05	2	<0.5	<0.2
1895540	Soil		17	0.45	143	0.010	<1	1.10	0.006	0.07	<0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1895541	Soil		14	0.40	162	0.006	<1	0.86	0.006	0.05	<0.1	0.04	1.7	<0.1	0.05	2	<0.5	<0.2
1895542	Soil		20	0.45	188	0.009	<1	1.15	0.005	0.05	0.1	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1895549	Soil		15	0.38	166	0.013	<1	0.95	0.007	0.05	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2



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904 – 409 Granville St.
Vancouver British Columbia V6G 1T2 Canada

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CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1895550	Soil			0.7	24.9	13.2	61	0.1	20.2	8.2	433	2.22	22.0	2.8	6.7	19	0.2	10.1	0.2	26	0.29	0.037	18	
1895551	Soil			0.8	18.6	17.3	65	0.2	17.6	9.3	529	2.18	45.1	2.8	4.5	21	0.3	20.5	0.2	26	0.34	0.049	15	
1895552	Soil			0.7	32.9	23.5	69	0.3	22.8	9.2	518	2.41	45.6	5.3	7.5	21	0.3	4.3	0.2	21	0.46	0.049	20	
1895553	Soil			0.7	30.3	22.1	64	<0.1	24.6	10.7	426	2.60	46.1	3.5	10.5	13	0.2	5.0	0.2	17	0.24	0.034	22	
1895554	Soil			1.5	52.2	24.3	78	0.3	32.5	14.7	451	3.15	40.5	6.1	12.7	36	0.1	7.0	0.3	14	0.54	0.077	31	
1895555	Soil			1.5	60.6	29.2	92	0.5	36.9	15.3	631	3.07	95.8	3.7	11.1	36	0.4	10.1	0.3	22	0.88	0.082	26	
1895556	Soil			0.8	32.8	41.3	96	0.4	26.7	13.4	636	2.20	73.9	4.3	7.7	14	0.5	5.6	0.2	13	0.22	0.058	18	
1895557	Soil			0.6	35.8	41.1	82	0.5	26.9	10.6	550	2.49	77.3	7.3	8.1	36	0.4	13.6	0.2	22	0.81	0.050	22	
1895558	Soil			0.9	39.4	33.0	84	0.6	24.4	11.5	635	2.19	90.1	301.6	7.7	28	0.7	8.5	0.2	18	0.70	0.065	19	
1895568	Soil			0.6	27.1	14.3	69	0.2	20.9	7.8	334	2.01	41.6	3.3	4.6	43	0.3	7.5	0.2	23	0.74	0.055	13	
1895569	Soil			0.5	36.2	24.5	67	0.4	25.0	10.3	300	2.49	58.5	6.3	7.0	30	0.3	9.1	0.3	17	0.54	0.053	16	
1895570	Soil			0.5	37.2	28.1	67	<0.1	33.2	12.9	532	3.44	12.8	3.3	11.4	23	0.1	2.7	0.4	11	0.49	0.039	28	
1895571	Soil			0.7	34.7	46.9	62	0.7	24.5	9.6	454	2.54	39.0	3.8	5.0	119	0.4	5.8	0.2	24	1.42	0.057	23	
1895572	Soil			1.7	37.8	26.5	80	0.4	27.5	11.7	462	2.89	131.7	5.2	8.0	38	0.3	7.3	0.2	24	0.49	0.075	25	
1895573	Soil			0.6	24.8	63.1	69	1.0	20.8	9.4	457	2.36	89.9	9.2	10.1	27	0.6	15.6	0.2	18	0.30	0.041	28	
1895574	Soil			0.8	40.8	30.5	84	0.5	27.9	12.0	615	2.40	91.5	6.9	7.8	19	0.5	14.1	0.3	24	0.36	0.067	20	
1895575	Soil			0.8	32.8	35.3	86	0.5	23.2	9.3	582	2.21	41.7	4.8	4.2	31	0.3	3.3	0.2	29	0.51	0.061	17	
1895576	Soil			0.7	30.0	25.2	77	0.4	22.5	8.9	430	2.02	77.3	12.0	6.2	20	0.4	17.7	0.2	20	0.38	0.057	17	
1895577	Soil			0.7	38.1	24.9	67	0.4	25.4	9.9	439	2.20	72.6	6.0	7.3	24	0.3	10.0	0.2	22	0.49	0.053	19	
1895585	Soil			0.4	24.2	16.1	64	0.3	20.5	9.1	723	1.84	39.4	7.2	4.1	44	0.4	4.3	0.2	27	0.58	0.043	15	
1895586	Soil			0.7	17.9	15.8	65	0.2	17.7	9.1	645	2.02	40.4	1.9	3.0	27	0.3	2.3	0.2	21	0.38	0.046	13	
1895587	Soil			0.4	45.2	21.3	70	<0.1	35.8	17.8	762	3.72	26.5	2.9	12.0	10	<0.1	2.4	0.3	8	0.15	0.038	23	
1895588	Soil			0.6	55.0	126.4	173	3.6	37.6	15.5	780	3.71	652.8	20.6	23.4	33	1.5	49.2	0.4	11	0.91	0.056	47	
1895589	Soil			2.6	63.8	25.6	112	0.4	36.9	17.3	755	3.39	149.8	4.4	15.2	25	0.4	8.1	0.3	12	0.46	0.066	30	
1895590	Soil			0.6	26.9	22.2	66	0.1	21.2	9.4	426	2.14	49.0	4.0	10.0	7	0.1	3.3	0.1	14	0.09	0.033	29	
1895591	Soil			1.0	28.0	35.2	90	0.4	19.7	8.7	461	2.09	51.7	4.7	6.9	13	0.5	4.0	0.2	20	0.23	0.066	18	
1895592	Soil			1.1	32.7	35.2	99	0.3	25.3	16.1	1538	2.85	85.7	4.4	5.6	14	0.8	7.3	0.2	24	0.22	0.074	16	
1895593	Soil			0.9	43.3	28.7	81	0.4	48.8	17.7	798	2.70	97.9	6.4	8.1	22	0.6	16.0	0.2	24	0.35	0.046	24	
1895594	Soil			0.8	27.7	33.6	70	0.4	21.3	9.8	450	2.21	70.3	6.4	7.7	19	0.2	6.8	0.3	24	0.27	0.053	22	
1895595	Soil			0.6	19.4	16.5	68	0.2	17.5	7.6	331	2.07	30.4	3.9	4.8	27	0.3	2.5	0.2	26	0.44	0.048	15	



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1895550	Soil	15	0.30	216	0.015	<1	0.87	0.009	0.05	0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1895551	Soil	16	0.30	188	0.011	<1	0.96	0.009	0.05	0.2	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1895552	Soil	15	0.30	170	0.014	<1	0.89	0.007	0.07	<0.1	0.03	2.5	<0.1	<0.05	2	<0.5	<0.2
1895553	Soil	13	0.29	104	0.010	1	0.84	0.005	0.05	<0.1	0.02	2.5	<0.1	<0.05	2	<0.5	<0.2
1895554	Soil	13	0.31	108	0.007	2	0.78	0.004	0.06	<0.1	0.03	2.3	<0.1	<0.05	2	<0.5	<0.2
1895555	Soil	20	0.54	155	0.011	2	1.10	0.006	0.07	<0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1895556	Soil	11	0.28	92	0.013	2	0.62	0.004	0.04	<0.1	0.02	1.6	<0.1	<0.05	1	<0.5	<0.2
1895557	Soil	18	0.39	183	0.009	2	1.08	0.005	0.04	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1895558	Soil	13	0.38	126	0.016	2	0.71	0.005	0.05	<0.1	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1895568	Soil	16	0.38	225	0.015	2	0.95	0.006	0.06	0.2	0.04	2.3	<0.1	0.06	2	<0.5	<0.2
1895569	Soil	15	0.35	158	0.008	2	0.85	0.006	0.09	<0.1	0.04	2.2	<0.1	0.06	2	0.7	<0.2
1895570	Soil	10	0.22	82	0.004	1	0.71	0.004	0.03	<0.1	0.04	2.6	<0.1	<0.05	1	<0.5	<0.2
1895571	Soil	17	0.33	264	0.008	2	1.27	0.008	0.05	<0.1	0.05	2.9	<0.1	<0.05	3	0.5	<0.2
1895572	Soil	21	0.41	133	0.008	1	0.92	0.004	0.04	<0.1	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2
1895573	Soil	14	0.29	233	0.005	2	0.98	0.004	0.05	<0.1	0.04	2.1	<0.1	<0.05	2	<0.5	<0.2
1895574	Soil	18	0.38	185	0.016	2	1.02	0.006	0.11	<0.1	0.03	2.6	0.2	<0.05	2	<0.5	<0.2
1895575	Soil	20	0.38	266	0.012	1	1.22	0.007	0.06	0.1	0.05	2.7	0.1	<0.05	3	<0.5	<0.2
1895576	Soil	15	0.34	160	0.014	2	0.86	0.005	0.06	<0.1	0.04	2.4	<0.1	<0.05	2	<0.5	<0.2
1895577	Soil	16	0.36	170	0.013	2	0.95	0.005	0.09	<0.1	0.03	2.5	<0.1	<0.05	2	<0.5	<0.2
1895585	Soil	18	0.37	360	0.011	1	1.12	0.007	0.04	0.2	0.04	2.7	<0.1	0.11	3	<0.5	<0.2
1895586	Soil	13	0.30	183	0.010	2	0.85	0.006	0.04	0.2	0.03	1.9	<0.1	<0.05	2	<0.5	<0.2
1895587	Soil	11	0.25	80	0.002	1	0.89	0.005	0.05	<0.1	0.01	2.5	<0.1	<0.05	2	<0.5	<0.2
1895588	Soil	11	0.30	101	0.004	1	0.86	0.004	0.06	<0.1	0.05	3.6	<0.1	<0.05	2	<0.5	<0.2
1895589	Soil	11	0.25	96	0.006	2	0.70	0.004	0.06	<0.1	0.03	2.3	<0.1	<0.05	1	<0.5	<0.2
1895590	Soil	12	0.25	130	0.010	1	0.71	0.003	0.04	<0.1	0.02	2.0	<0.1	<0.05	2	<0.5	<0.2
1895591	Soil	14	0.32	121	0.018	1	0.78	0.005	0.05	<0.1	0.02	2.0	<0.1	<0.05	2	<0.5	<0.2
1895592	Soil	19	0.38	174	0.012	1	1.01	0.005	0.07	<0.1	0.02	2.2	<0.1	<0.05	2	<0.5	<0.2
1895593	Soil	34	0.50	222	0.009	<1	1.18	0.005	0.06	<0.1	0.02	3.2	<0.1	<0.05	3	<0.5	<0.2
1895594	Soil	16	0.32	191	0.013	1	0.93	0.005	0.04	0.1	0.03	2.4	<0.1	<0.05	2	<0.5	<0.2
1895595	Soil	18	0.33	174	0.017	<1	0.96	0.009	0.05	0.2	0.04	2.6	<0.1	<0.05	2	<0.5	<0.2



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Client: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1895617	Soil	0.7	25.5	16.7	84	0.2	22.8	10.7	336	2.43	17.7	5.3	8.1	22	0.4	4.8	0.2	22	0.29	0.058	21
1895618	Soil	0.9	24.7	15.5	75	<0.1	25.1	11.4	636	2.60	18.5	2.5	8.2	21	0.3	15.6	0.2	13	0.27	0.055	19
1895619	Soil	0.7	34.9	23.9	85	0.2	30.1	12.2	348	2.96	22.0	3.9	12.2	19	0.3	1.2	0.3	18	0.36	0.060	24
1895620	Soil	2.4	85.1	43.0	133	0.3	49.7	24.3	979	4.36	207.5	24.4	17.3	28	0.6	26.6	0.6	14	0.35	0.074	27
1895621	Soil	0.6	24.7	18.1	79	0.2	24.6	9.9	465	2.26	14.1	2.4	7.4	19	0.2	1.3	0.2	27	0.26	0.055	23
1895622	Soil	1.2	43.4	26.6	107	0.3	30.2	11.6	461	2.97	25.8	3.7	9.1	27	0.5	3.7	0.2	30	0.40	0.069	22
1895623	Soil	0.7	25.8	18.4	81	0.2	25.2	10.3	790	2.66	19.1	9.4	5.1	25	0.4	3.2	0.2	23	0.31	0.057	18
1895624	Soil	1.3	34.2	20.8	89	0.2	28.7	11.2	586	2.74	22.2	2.7	7.8	20	0.4	2.7	0.2	28	0.28	0.059	21
1895625	Soil	1.5	41.3	23.9	104	0.3	32.1	11.8	471	2.82	24.3	1.5	8.8	19	0.4	3.0	0.2	30	0.25	0.064	21
1895626	Soil	0.5	20.8	14.1	59	0.1	20.1	8.3	281	1.98	13.0	1.7	6.1	32	0.2	2.1	0.2	19	0.45	0.049	16
1895627	Soil	0.8	25.3	19.3	73	0.1	20.0	7.6	213	2.32	19.4	2.7	7.8	21	0.3	2.6	0.2	28	0.28	0.053	20
1895628	Soil	1.3	34.6	23.2	90	0.4	27.8	12.6	1527	2.88	20.5	3.6	6.1	27	0.3	2.6	0.2	30	0.38	0.069	20
1895629	Soil	0.9	43.1	23.7	93	0.3	32.0	12.1	536	2.73	20.9	27.3	8.4	31	0.4	3.5	0.3	24	0.51	0.061	21
1895630	Soil	0.8	18.3	16.1	68	0.1	17.8	7.9	222	2.46	14.5	<0.5	5.6	14	0.2	1.4	0.2	32	0.18	0.061	18
1895631	Soil	1.1	34.3	21.1	84	0.2	28.6	10.7	383	2.54	17.0	2.2	7.6	26	0.4	2.5	0.2	29	0.44	0.056	19
1895632	Soil	0.9	27.6	26.6	79	0.2	24.6	10.4	386	2.44	12.8	2.1	6.7	30	0.3	2.1	0.2	31	0.45	0.065	19
1895633	Soil	0.7	25.1	19.7	78	0.2	22.8	9.7	304	2.11	15.7	3.0	7.1	19	0.4	2.3	0.2	21	0.31	0.064	19
1895634	Soil	0.5	29.4	19.6	70	0.2	26.7	9.8	359	2.36	12.2	1.5	9.1	20	0.2	2.1	0.2	23	0.30	0.048	22
1895635	Soil	0.6	36.9	20.7	82	0.2	26.5	9.3	658	2.41	13.9	1.5	7.4	37	0.4	2.2	0.2	25	0.61	0.066	19
1895636	Soil	0.6	34.0	23.3	80	0.2	27.8	11.5	443	2.90	16.0	2.2	7.6	15	0.2	4.3	0.3	20	0.31	0.050	19
1895637	Soil	0.7	26.2	20.0	61	0.2	21.6	9.7	455	2.46	16.4	<0.5	5.6	17	0.1	2.0	0.2	27	0.25	0.053	20
1895638	Soil	0.6	26.6	20.5	71	0.2	24.4	11.5	734	2.74	18.8	4.0	8.0	18	0.3	2.7	0.2	19	0.27	0.050	20
1895639	Soil	0.6	26.8	22.5	71	0.1	22.4	10.5	539	2.62	29.3	2.8	6.2	28	0.3	4.7	0.2	16	0.49	0.046	15
1895640	Soil	0.5	35.5	20.3	68	0.2	25.7	10.5	430	2.73	24.7	2.4	6.7	31	0.2	3.8	0.3	14	0.55	0.047	16
1895641	Soil	0.6	46.2	23.7	83	0.2	33.4	13.6	464	3.18	14.1	3.3	6.9	33	0.1	2.1	0.4	14	0.51	0.044	17
1895642	Soil	0.8	32.9	25.1	83	0.2	28.8	14.2	567	2.98	23.8	3.2	7.7	21	0.4	3.2	0.3	21	0.33	0.050	20
1895643	Soil	0.7	36.3	23.3	78	0.2	29.1	10.9	433	3.21	18.6	1.0	7.2	39	0.2	5.0	0.3	16	0.68	0.045	17
1895644	Soil	0.7	26.7	19.1	72	0.1	22.4	10.4	424	2.47	16.2	3.2	5.7	23	0.4	2.2	0.2	18	0.36	0.048	16
1895645	Soil	0.6	29.2	19.9	77	0.2	27.0	10.5	437	2.63	15.7	2.9	8.4	13	0.2	3.4	0.3	15	0.19	0.036	20
1895646	Soil	0.7	21.9	16.8	59	0.2	22.8	11.9	1898	2.37	18.7	5.3	6.4	17	0.2	2.6	0.2	17	0.32	0.052	18



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Client: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2 Canada

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1895617	Soil	16	0.38	137	0.017	1	0.95	0.007	0.04	0.1	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1895618	Soil	12	0.40	75	0.007	1	0.84	0.005	0.06	<0.1	0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
1895619	Soil	15	0.38	125	0.008	1	0.95	0.005	0.06	<0.1	0.05	2.3	<0.1	<0.05	2	<0.5	<0.2
1895620	Soil	15	0.53	76	0.003	<1	1.18	0.004	0.08	<0.1	0.05	2.6	<0.1	0.07	3	0.6	<0.2
1895621	Soil	22	0.45	192	0.018	<1	1.17	0.007	0.06	0.1	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
1895622	Soil	23	0.54	180	0.023	2	1.19	0.009	0.08	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1895623	Soil	18	0.38	200	0.011	1	1.09	0.007	0.06	0.1	0.04	2.3	<0.1	0.07	3	<0.5	<0.2
1895624	Soil	22	0.46	198	0.021	1	1.14	0.007	0.08	0.1	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
1895625	Soil	23	0.51	196	0.023	<1	1.18	0.008	0.08	0.1	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2
1895626	Soil	14	0.37	96	0.014	1	0.83	0.006	0.05	0.1	0.02	1.9	<0.1	0.07	2	0.6	<0.2
1895627	Soil	20	0.43	175	0.014	2	1.10	0.008	0.05	0.2	0.05	2.7	<0.1	<0.05	3	<0.5	<0.2
1895628	Soil	25	0.47	319	0.016	2	1.31	0.007	0.08	<0.1	0.05	3.3	<0.1	<0.05	3	1.1	<0.2
1895629	Soil	22	0.46	186	0.014	3	1.13	0.007	0.08	<0.1	0.04	3.0	<0.1	<0.05	3	0.5	<0.2
1895630	Soil	21	0.39	205	0.019	2	1.13	0.007	0.06	0.2	0.04	2.7	<0.1	<0.05	3	<0.5	<0.2
1895631	Soil	22	0.45	260	0.021	2	1.07	0.008	0.07	0.1	0.04	3.1	<0.1	<0.05	3	<0.5	<0.2
1895632	Soil	21	0.44	213	0.027	2	1.10	0.010	0.06	0.1	0.03	3.2	<0.1	<0.05	3	0.5	<0.2
1895633	Soil	16	0.41	116	0.024	<1	0.88	0.008	0.06	<0.1	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1895634	Soil	22	0.45	173	0.017	<1	1.12	0.007	0.07	<0.1	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
1895635	Soil	22	0.45	244	0.018	3	1.08	0.007	0.07	0.1	0.04	2.8	<0.1	0.06	3	<0.5	<0.2
1895636	Soil	20	0.50	144	0.009	2	1.16	0.006	0.06	<0.1	0.03	2.5	<0.1	0.05	3	<0.5	<0.2
1895637	Soil	20	0.41	194	0.013	<1	1.22	0.007	0.06	0.1	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
1895638	Soil	17	0.41	136	0.010	<1	1.03	0.006	0.06	<0.1	0.03	2.3	<0.1	<0.05	2	<0.5	<0.2
1895639	Soil	15	0.40	114	0.006	1	0.92	0.006	0.05	<0.1	0.03	2.4	<0.1	0.06	2	<0.5	<0.2
1895640	Soil	13	0.39	110	0.005	1	0.92	0.005	0.05	<0.1	0.04	2.1	0.1	0.06	2	0.6	<0.2
1895641	Soil	17	0.47	109	0.006	1	1.17	0.006	0.06	<0.1	0.04	1.9	<0.1	0.06	3	<0.5	<0.2
1895642	Soil	17	0.41	172	0.010	<1	1.01	0.006	0.06	<0.1	0.04	2.7	<0.1	0.06	3	0.5	<0.2
1895643	Soil	15	0.44	122	0.005	1	1.08	0.006	0.07	<0.1	0.04	2.2	<0.1	0.08	3	<0.5	<0.2
1895644	Soil	14	0.38	142	0.009	1	0.89	0.005	0.05	<0.1	0.02	1.9	<0.1	0.06	2	<0.5	<0.2
1895645	Soil	16	0.45	100	0.007	<1	1.01	0.004	0.05	<0.1	0.03	2.1	<0.1	<0.05	2	<0.5	<0.2
1895646	Soil	14	0.35	140	0.012	<1	0.82	0.005	0.04	<0.1	0.02	2.0	<0.1	<0.05	2	<0.5	<0.2



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1895647	Soil	0.5	21.3	14.3	67	<0.1	22.3	9.1	341	2.28	12.3	0.9	8.6	13	0.2	2.6	0.2	14	0.24	0.050	23
1895648	Soil	0.9	29.7	21.4	75	0.3	25.4	11.0	522	2.51	28.0	2.5	9.2	22	0.4	3.4	0.2	22	0.37	0.059	22
1895649	Soil	0.7	32.4	22.5	79	0.2	28.3	11.9	268	2.79	31.3	2.2	8.9	37	0.4	3.0	0.3	20	0.60	0.050	21
1895650	Soil	0.8	36.3	22.4	83	0.2	27.9	11.8	606	2.79	24.5	3.5	7.8	26	0.3	4.9	0.3	15	0.46	0.048	19
1895651	Soil	0.7	30.4	21.4	78	0.2	26.5	12.6	919	2.63	31.7	8.0	8.7	27	0.5	4.0	0.2	21	0.43	0.055	20
1895652	Soil	1.5	42.3	28.1	84	0.2	37.0	16.0	593	3.54	30.3	10.3	6.3	29	0.2	1.8	0.4	18	0.40	0.056	15
1895653	Soil	0.7	38.7	20.5	81	0.2	27.8	11.6	502	2.84	21.7	3.3	6.3	24	0.2	1.4	0.3	21	0.42	0.057	16
1895654	Soil	0.7	27.2	18.4	61	0.1	20.0	9.3	400	2.67	18.7	8.2	6.3	23	0.1	1.6	0.3	24	0.37	0.050	18
1895655	Soil	0.6	25.8	18.0	62	0.1	23.6	11.6	530	2.53	12.6	1.7	8.5	30	0.2	0.9	0.2	18	0.41	0.048	26
1895656	Soil	0.8	20.6	15.6	62	<0.1	19.5	10.1	419	2.29	28.1	5.6	5.1	26	0.2	1.7	0.2	21	0.39	0.043	16
1895657	Soil	0.7	24.0	15.4	62	0.1	22.2	10.1	451	2.43	17.2	1.5	6.4	20	0.1	11.1	0.2	27	0.23	0.042	19
1895658	Soil	0.9	39.2	19.1	76	0.1	34.7	16.4	902	3.08	75.2	5.2	8.2	37	0.3	6.7	0.3	22	0.50	0.056	22
1895659	Soil	0.8	20.4	17.9	69	0.1	19.3	9.8	333	2.68	26.4	1.4	8.0	26	0.3	2.1	0.2	21	0.40	0.045	20
1895660	Soil	0.8	25.2	16.9	62	0.2	24.5	10.5	464	2.21	15.8	2.3	8.8	27	0.3	2.0	0.2	19	0.55	0.058	22
1895661	Soil	1.0	26.0	14.2	65	0.1	23.1	9.1	581	2.26	14.3	4.0	6.8	17	0.2	1.5	0.2	21	0.23	0.058	18
1895662	Soil	1.3	34.2	14.1	85	0.2	26.9	9.8	398	2.29	19.9	2.5	6.8	38	0.4	1.5	0.2	28	1.17	0.074	15
1895663	Soil	0.8	35.5	16.8	72	0.2	27.8	8.9	311	2.17	17.5	2.8	9.4	24	0.3	2.3	0.2	21	0.49	0.057	20
1895664	Soil	1.5	38.0	20.9	106	0.3	31.6	11.5	536	2.97	25.3	3.0	7.8	22	0.5	1.5	0.3	40	0.36	0.071	18
1895665	Soil	1.3	36.9	18.2	89	0.3	28.7	10.5	360	2.56	21.9	2.7	5.9	23	0.6	1.3	0.2	36	0.52	0.076	14
1895666	Soil	1.3	35.0	14.6	91	<0.1	27.5	10.9	390	3.06	15.2	2.5	8.7	26	0.1	1.3	0.2	39	0.19	0.059	21
1895667	Soil	1.3	45.0	14.2	83	0.1	28.7	13.5	483	3.73	25.7	1.6	12.6	20	0.2	1.6	0.3	24	0.11	0.043	23
1895668	Soil	1.0	32.3	16.5	73	0.2	27.4	10.0	390	2.40	20.3	1.8	8.9	18	0.3	3.0	0.2	20	0.28	0.064	19
1895669	Soil	0.9	27.4	13.6	64	0.2	23.2	8.5	314	2.06	12.9	2.9	8.0	21	0.2	1.7	0.2	24	0.32	0.067	20
1895670	Soil	1.1	27.9	12.3	76	0.1	22.6	9.8	344	2.23	13.3	2.4	7.5	23	0.4	1.3	0.2	35	0.34	0.072	18
1895671	Soil	0.9	31.3	14.0	68	0.2	26.7	9.2	312	2.31	13.4	3.2	8.0	22	0.2	1.5	0.2	29	0.31	0.057	20
1895672	Soil	0.9	29.2	17.5	72	0.2	23.3	10.0	539	2.20	24.1	2.1	7.9	18	0.3	2.3	0.2	18	0.35	0.054	18
1895673	Soil	0.8	25.4	14.0	59	0.1	22.4	9.3	426	2.12	14.4	3.0	7.5	23	0.3	1.5	0.2	24	0.36	0.051	19
1895674	Soil	0.7	18.4	14.6	62	0.1	18.0	10.5	434	2.15	11.8	3.7	7.2	19	0.2	1.2	0.2	26	0.29	0.054	18
1895675	Soil	1.3	22.7	13.6	62	0.1	25.2	12.1	325	2.43	12.3	3.2	6.1	25	0.1	1.0	0.2	34	0.41	0.059	18
1895676	Soil	1.1	23.1	12.8	62	0.1	22.9	9.5	390	2.52	15.9	10.4	5.4	28	0.2	1.2	0.2	38	0.44	0.065	15



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Client: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2 Canada

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		Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.1	0.05	1	0.5
1895647	Soil	15	0.43	93	0.011	<1	0.89	0.005	0.04	<0.1	0.01	1.7	<0.1	<0.05	2	<0.5	<0.2	
1895648	Soil	18	0.42	156	0.016	<1	0.99	0.006	0.07	<0.1	0.03	2.5	<0.1	<0.05	2	<0.5	<0.2	
1895649	Soil	18	0.44	177	0.011	2	1.02	0.007	0.06	<0.1	0.04	2.5	<0.1	0.07	3	<0.5	<0.2	
1895650	Soil	14	0.37	123	0.006	1	0.91	0.005	0.06	<0.1	0.02	2.2	<0.1	0.05	2	<0.5	<0.2	
1895651	Soil	18	0.42	173	0.014	<1	1.01	0.007	0.06	0.1	0.03	2.5	<0.1	0.06	2	<0.5	<0.2	
1895652	Soil	16	0.46	118	0.011	<1	1.04	0.006	0.05	<0.1	0.03	2.5	<0.1	0.06	3	<0.5	<0.2	
1895653	Soil	18	0.44	151	0.015	<1	1.04	0.008	0.05	0.1	0.03	2.4	<0.1	<0.05	3	0.6	<0.2	
1895654	Soil	17	0.41	165	0.015	<1	1.02	0.007	0.06	0.1	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2	
1895655	Soil	13	0.30	142	0.011	<1	0.85	0.006	0.05	0.1	0.05	2.2	<0.1	0.06	2	<0.5	<0.2	
1895656	Soil	15	0.35	128	0.012	1	0.90	0.006	0.05	0.1	0.03	2.1	<0.1	0.06	2	<0.5	<0.2	
1895657	Soil	20	0.42	204	0.013	<1	1.23	0.008	0.05	0.2	0.04	2.4	<0.1	0.06	3	<0.5	<0.2	
1895658	Soil	22	0.51	179	0.006	<1	1.25	0.007	0.05	<0.1	0.03	3.2	<0.1	0.06	3	<0.5	<0.2	
1895659	Soil	17	0.43	123	0.010	<1	1.04	0.006	0.05	0.1	0.03	2.0	<0.1	0.07	3	<0.5	<0.2	
1895660	Soil	15	0.33	159	0.016	<1	0.78	0.007	0.06	0.1	0.04	2.4	<0.1	<0.05	2	0.5	<0.2	
1895661	Soil	17	0.40	190	0.012	<1	1.00	0.008	0.06	0.1	0.04	2.3	<0.1	<0.05	2	<0.5	<0.2	
1895662	Soil	19	0.56	233	0.031	1	0.88	0.012	0.07	0.1	0.02	2.9	<0.1	<0.05	2	<0.5	<0.2	
1895663	Soil	18	0.41	190	0.014	1	0.91	0.008	0.07	0.1	0.05	2.4	<0.1	<0.05	2	<0.5	<0.2	
1895664	Soil	27	0.49	319	0.022	2	1.22	0.010	0.08	0.2	0.06	3.6	0.1	<0.05	3	0.6	<0.2	
1895665	Soil	24	0.54	315	0.017	1	1.11	0.009	0.05	0.1	0.05	3.3	<0.1	<0.05	3	0.6	<0.2	
1895666	Soil	28	0.61	226	0.024	1	1.45	0.008	0.10	0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2	
1895667	Soil	26	0.68	109	0.009	<1	1.49	0.004	0.06	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2	
1895668	Soil	16	0.37	185	0.019	<1	0.79	0.008	0.05	0.1	0.03	2.5	<0.1	<0.05	2	<0.5	<0.2	
1895669	Soil	17	0.36	178	0.018	2	0.81	0.008	0.04	0.2	0.06	2.7	<0.1	<0.05	2	<0.5	<0.2	
1895670	Soil	23	0.44	211	0.033	1	0.96	0.011	0.06	0.3	0.05	2.9	<0.1	<0.05	3	<0.5	<0.2	
1895671	Soil	22	0.38	313	0.020	<1	1.05	0.008	0.06	0.1	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2	
1895672	Soil	14	0.36	142	0.017	1	0.82	0.008	0.07	<0.1	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2	
1895673	Soil	17	0.37	226	0.019	2	0.90	0.009	0.06	0.2	0.03	2.5	<0.1	<0.05	2	<0.5	<0.2	
1895674	Soil	18	0.36	235	0.019	<1	0.95	0.008	0.06	0.2	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2	
1895675	Soil	28	0.47	310	0.017	<1	1.20	0.009	0.04	0.2	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2	
1895676	Soil	21	0.37	319	0.023	<1	1.16	0.008	0.05	0.2	0.05	3.1	<0.1	0.05	3	<0.5	<0.2	



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Client: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2 Canada

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1895677	Soil	1.8	14.0	11.8	56	<0.1	16.2	6.9	220	1.92	12.4	3.7	5.1	18	0.2	1.3	0.2	25	0.28	0.029	15
1895678	Soil	0.5	28.6	16.7	57	0.2	20.6	7.9	263	2.15	52.5	6.6	6.9	19	0.2	18.1	0.2	17	0.32	0.048	17
1895679	Soil	0.6	30.4	20.0	64	0.4	22.2	9.1	399	2.35	63.4	4.8	6.9	20	0.1	8.5	0.3	18	0.42	0.049	17
1895680	Soil	0.6	30.9	22.3	58	0.4	22.2	11.3	656	2.32	66.9	6.5	5.4	41	0.2	12.9	0.2	16	1.01	0.044	13
1895681	Soil	0.7	37.4	21.6	68	0.4	24.4	9.7	536	2.58	71.5	7.3	7.2	26	0.2	13.3	0.3	18	0.54	0.049	17
1895682	Soil	0.7	36.1	20.2	65	0.3	24.5	10.1	530	2.59	53.1	4.1	6.7	28	0.1	11.2	0.3	18	0.57	0.051	16
1895683	Soil	0.5	29.9	16.3	61	0.2	21.5	8.8	407	2.03	31.9	4.2	5.3	46	0.2	4.2	0.2	14	0.97	0.052	13
1895684	Soil	0.6	37.8	22.9	71	<0.1	27.4	12.6	375	2.76	27.0	2.4	8.0	26	0.1	1.9	0.3	18	0.45	0.030	17
1895685	Soil	0.4	44.4	21.9	78	0.2	29.9	12.0	377	3.19	31.0	4.6	12.2	25	0.2	9.1	0.3	12	0.48	0.045	23
1895686	Soil	0.7	41.0	29.8	76	0.1	36.3	17.3	422	3.61	71.1	8.5	17.0	23	<0.1	11.7	0.5	9	0.52	0.029	27
1895687	Soil	0.8	40.4	24.5	76	0.1	34.0	15.4	548	3.78	9.9	2.7	9.0	16	0.1	2.1	0.4	11	0.23	0.032	17
1895688	Soil	1.0	45.0	24.5	76	<0.1	31.7	14.8	442	4.19	15.8	2.6	7.8	11	<0.1	4.7	0.5	13	0.09	0.028	16
1895689	Soil	0.7	41.0	27.4	80	0.5	25.9	11.4	309	2.44	51.4	18.1	7.3	24	0.5	5.4	0.3	24	0.51	0.064	18
1895690	Soil	0.5	22.6	17.8	61	0.2	18.8	8.5	473	1.99	33.1	3.6	5.2	42	0.3	6.8	0.2	16	0.85	0.051	15
1895691	Soil	0.6	28.9	18.8	75	0.3	21.5	9.5	314	2.12	32.7	4.4	7.3	30	0.2	4.0	0.2	21	0.75	0.074	20
1895692	Soil	1.2	41.4	27.6	105	0.4	27.1	11.3	523	2.66	39.9	5.3	8.3	25	0.6	4.8	0.3	26	0.80	0.071	19
1895693	Soil	0.7	28.1	22.0	83	0.4	22.0	8.7	430	2.27	37.3	6.4	7.2	28	0.4	4.9	0.2	18	0.62	0.061	18
1895694	Soil	0.6	32.0	17.0	71	0.2	23.5	8.4	392	2.30	19.5	3.6	7.6	31	0.2	4.0	0.2	17	0.55	0.050	20
1895695	Soil	0.7	40.7	27.1	63	0.1	28.9	13.6	540	2.82	13.3	2.4	17.9	32	0.1	0.9	0.3	8	0.51	0.045	30
1895696	Soil	1.6	58.0	20.1	81	0.1	32.7	14.0	591	3.22	16.3	4.2	15.1	41	0.2	1.3	0.4	13	0.61	0.074	33
1895697	Soil	0.6	27.2	15.4	60	0.2	22.0	9.3	430	2.02	17.1	2.4	7.3	71	0.1	2.9	0.2	15	0.96	0.044	20
1895698	Soil	0.9	37.7	20.5	74	<0.1	31.1	15.5	719	3.17	13.1	<0.5	16.9	24	<0.1	1.8	0.3	10	0.48	0.041	34
1895699	Soil	0.6	35.2	20.5	71	<0.1	29.3	14.7	542	2.88	15.8	1.3	17.1	33	<0.1	4.5	0.3	7	0.67	0.051	35
1895700	Soil	0.6	36.2	20.8	69	<0.1	27.7	14.0	518	2.77	17.6	1.0	14.7	56	0.1	7.1	0.3	8	1.28	0.044	29
1895701	Soil	0.8	39.4	37.2	100	0.2	30.1	14.2	826	3.06	57.1	6.2	9.0	16	0.4	50.7	0.2	12	0.38	0.042	23
1895702	Soil	0.9	29.8	21.9	80	0.3	23.2	9.8	656	2.28	31.3	1.7	5.6	19	0.4	4.0	0.2	25	0.40	0.060	18
1895703	Soil	0.8	31.8	25.7	101	0.4	24.0	7.7	353	2.14	22.3	2.6	5.4	20	0.5	2.7	0.2	30	0.45	0.068	18
1895704	Soil	0.9	26.7	22.1	97	0.3	22.2	8.1	348	2.05	19.3	8.7	6.3	24	0.4	2.1	0.2	29	0.51	0.082	19
1895705	Soil	0.8	35.1	25.9	89	0.3	23.7	8.9	407	2.52	25.9	1.9	6.5	32	0.3	4.4	0.2	18	0.56	0.048	18
1895706	Soil	0.7	27.8	20.2	83	0.3	21.8	8.7	449	2.09	22.7	6.7	3.3	53	0.5	4.5	0.2	24	0.95	0.051	18



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1895677	Soil	14	0.26	172	0.015	<1	0.69	0.005	0.04	0.1	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
1895678	Soil	12	0.28	156	0.013	<1	0.72	0.006	0.05	0.1	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
1895679	Soil	15	0.35	194	0.010	1	0.88	0.005	0.05	<0.1	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1895680	Soil	13	0.33	270	0.007	<1	0.79	0.006	0.05	<0.1	0.02	1.9	<0.1	0.06	2	0.5	<0.2
1895681	Soil	14	0.39	181	0.010	<1	0.86	0.007	0.06	<0.1	0.03	2.4	<0.1	<0.05	2	<0.5	<0.2
1895682	Soil	14	0.36	216	0.009	<1	0.89	0.006	0.05	<0.1	0.04	2.4	<0.1	0.06	2	0.5	<0.2
1895683	Soil	12	0.33	191	0.007	1	0.80	0.006	0.06	<0.1	0.04	1.7	<0.1	0.08	2	<0.5	<0.2
1895684	Soil	14	0.37	88	0.008	<1	0.99	0.006	0.06	<0.1	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
1895685	Soil	12	0.35	75	0.006	<1	0.86	0.005	0.06	<0.1	0.03	2.3	<0.1	<0.05	2	<0.5	<0.2
1895686	Soil	8	0.21	76	0.003	<1	0.66	0.004	0.06	<0.1	0.03	2.3	<0.1	<0.05	1	<0.5	<0.2
1895687	Soil	11	0.40	85	0.004	<1	0.92	0.005	0.06	<0.1	0.02	2.0	<0.1	<0.05	2	<0.5	<0.2
1895688	Soil	13	0.41	93	0.003	<1	1.09	0.005	0.05	<0.1	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1895689	Soil	18	0.40	164	0.020	<1	0.96	0.007	0.06	0.1	0.03	2.9	<0.1	<0.05	2	<0.5	<0.2
1895690	Soil	12	0.29	149	0.010	<1	0.72	0.006	0.05	<0.1	0.03	1.8	<0.1	0.07	2	<0.5	<0.2
1895691	Soil	14	0.40	174	0.020	1	0.78	0.009	0.06	0.1	0.03	2.1	<0.1	0.05	2	<0.5	<0.2
1895692	Soil	19	0.53	185	0.025	1	0.97	0.007	0.06	0.1	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
1895693	Soil	14	0.36	132	0.012	<1	0.83	0.006	0.06	<0.1	0.03	2.2	<0.1	0.05	2	<0.5	<0.2
1895694	Soil	14	0.35	165	0.011	<1	0.94	0.006	0.05	<0.1	0.04	2.4	<0.1	<0.05	2	<0.5	<0.2
1895695	Soil	8	0.27	68	0.002	<1	0.72	0.004	0.06	<0.1	0.04	1.8	<0.1	<0.05	1	<0.5	<0.2
1895696	Soil	14	0.46	83	0.006	<1	1.09	0.005	0.07	<0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1895697	Soil	12	0.26	146	0.010	<1	0.72	0.006	0.06	<0.1	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
1895698	Soil	12	0.39	94	0.005	<1	0.98	0.004	0.06	<0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1895699	Soil	9	0.28	91	0.003	2	0.72	0.004	0.06	<0.1	0.03	1.7	<0.1	0.06	2	<0.5	<0.2
1895700	Soil	9	0.26	106	0.003	<1	0.73	0.005	0.05	<0.1	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
1895701	Soil	12	0.29	133	0.005	<1	0.84	0.005	0.06	<0.1	0.03	2.1	<0.1	<0.05	2	<0.5	<0.2
1895702	Soil	18	0.35	180	0.019	<1	0.91	0.008	0.05	<0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1895703	Soil	19	0.36	173	0.031	<1	0.84	0.010	0.06	0.1	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1895704	Soil	18	0.39	163	0.034	1	0.87	0.009	0.05	0.2	0.03	2.4	0.1	<0.05	3	0.7	<0.2
1895705	Soil	15	0.35	162	0.011	<1	1.02	0.006	0.06	<0.1	0.04	2.0	<0.1	<0.05	3	0.5	<0.2
1895706	Soil	17	0.39	206	0.012	1	1.11	0.008	0.06	0.1	0.04	2.2	<0.1	0.05	3	1.3	<0.2



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Client: True Point Exploration Inc.
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Vancouver British Columbia V6G 1T2 Canada

Project: Keno Silver
Report Date: August 23, 2019

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CERTIFICATE OF ANALYSIS

WHI19000217.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1895707	Soil	0.6	26.8	20.6	74	0.3	21.7	10.1	650	2.14	22.1	3.7	3.7	53	0.3	4.8	0.1	23	0.89	0.047



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CERTIFICATE OF ANALYSIS

WHI19000217.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
1895707	Soil	16	0.39	250	0.009	2	1.14	0.007	0.05	0.1	0.05	1.9	<0.1	<0.05	3	1.0	<0.2



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Report Date:

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QUALITY CONTROL REPORT

WHI19000217.1

Method Analyte Unit MDL		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																				
1895517	Soil	0.9	31.1	32.1	90	0.4	22.4	9.2	384	2.48	48.6	13.3	7.1	22	0.3	5.0	0.2	25	0.41	0.061
REP 1895517	QC	0.9	31.9	32.3	94	0.4	21.8	9.0	406	2.34	47.9	4.7	7.1	21	0.3	5.0	0.2	27	0.41	0.055
1895588	Soil	0.6	55.0	126.4	173	3.6	37.6	15.5	780	3.71	652.8	20.6	23.4	33	1.5	49.2	0.4	11	0.91	0.056
REP 1895588	QC	0.6	56.0	128.6	179	3.8	38.9	15.8	792	3.74	664.3	24.4	23.8	34	1.6	51.4	0.5	12	0.91	0.056
1895645	Soil	0.6	29.2	19.9	77	0.2	27.0	10.5	437	2.63	15.7	2.9	8.4	13	0.2	3.4	0.3	15	0.19	0.036
REP 1895645	QC	0.6	30.2	20.1	78	0.1	27.9	10.7	458	2.66	15.7	2.1	8.7	13	0.3	3.6	0.3	15	0.20	0.035
1895681	Soil	0.7	37.4	21.6	68	0.4	24.4	9.7	536	2.58	71.5	7.3	7.2	26	0.2	13.3	0.3	18	0.54	0.049
REP 1895681	QC	0.6	36.6	21.6	68	0.4	23.9	9.9	531	2.50	70.8	7.9	7.3	26	0.2	13.5	0.3	17	0.52	0.049
1895703	Soil	0.8	31.8	25.7	101	0.4	24.0	7.7	353	2.14	22.3	2.6	5.4	20	0.5	2.7	0.2	30	0.45	0.068
REP 1895703	QC	0.9	31.0	24.9	103	0.4	24.0	7.5	344	2.10	22.5	3.3	5.0	19	0.6	2.5	0.2	27	0.42	0.069
Reference Materials																				
STD BVGEO01	Standard	10.9	4433.2	193.3	1620	2.4	170.2	25.7	732	3.84	116.9	217.9	17.1	54	6.3	3.2	25.3	76	1.27	0.074
STD BVGEO01	Standard	10.6	4159.5	185.0	1633	2.5	166.0	24.9	703	3.68	116.9	215.6	17.4	56	6.4	3.1	25.4	78	1.32	0.072
STD DS11	Standard	14.6	156.7	135.5	319	1.6	79.3	13.9	999	3.04	44.0	60.7	8.1	63	2.3	8.9	11.4	54	1.02	0.075
STD DS11	Standard	14.5	152.5	128.6	337	1.7	80.0	13.6	975	3.11	41.7	107.0	8.5	64	2.1	8.1	10.2	51	1.07	0.071
STD DS11	Standard	14.4	148.0	140.1	337	1.7	80.4	13.7	1009	3.10	43.0	65.7	9.0	69	2.6	8.0	12.0	51	1.05	0.069
STD OREAS262	Standard	0.7	115.6	55.5	150	0.4	63.2	27.6	554	3.50	36.4	65.6	9.3	34	0.6	5.9	1.0	23	2.99	0.042
STD OREAS262	Standard	0.6	116.5	55.6	152	0.5	64.9	27.2	552	3.24	35.0	57.7	10.1	34	0.7	4.5	1.0	22	2.89	0.038
STD OREAS262	Standard	0.6	120.8	57.2	149	0.4	64.8	27.0	520	3.37	35.8	58.3	10.9	34	0.5	4.6	1.0	23	2.98	0.039
STD OREAS262	Standard	0.7	120.1	56.5	150	0.5	66.7	27.8	550	3.38	36.5	58.3	10.8	37	0.8	4.9	1.0	23	3.05	0.041
STD OREAS262	Standard	0.7	121.6	55.8	149	0.4	66.1	28.5	552	3.42	36.4	59.5	10.7	36	0.6	4.9	1.0	23	3.02	0.040
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
STD BVGEO01 Expected		11.2	4415	187	1741	2.53	163	25	733	3.7	121	219	14.4	55	6.5	3.39	25.6	73	1.3219	0.0727
STD OREAS262 Expected		0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.7	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Client:

True Point Exploration Inc.

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Vancouver British Columbia V6G 1T2 Canada

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Keno Silver

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QUALITY CONTROL REPORT

WHI19000217.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1895517	Soil	18	0.38	188	0.013	<1	1.05	0.005	0.05	<0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 1895517	QC	18	0.37	185	0.013	1	0.97	0.006	0.05	0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1895588	Soil	11	0.30	101	0.004	1	0.86	0.004	0.06	<0.1	0.05	3.6	<0.1	<0.05	2	<0.5	<0.2
REP 1895588	QC	12	0.31	102	0.004	2	0.86	0.006	0.06	<0.1	0.06	3.6	<0.1	<0.05	2	<0.5	<0.2
1895645	Soil	16	0.45	100	0.007	<1	1.01	0.004	0.05	<0.1	0.03	2.1	<0.1	<0.05	2	<0.5	<0.2
REP 1895645	QC	17	0.47	100	0.007	<1	1.03	0.005	0.05	<0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1895681	Soil	14	0.39	181	0.010	<1	0.86	0.007	0.06	<0.1	0.03	2.4	<0.1	<0.05	2	<0.5	<0.2
REP 1895681	QC	14	0.39	179	0.010	<1	0.86	0.006	0.07	<0.1	0.03	2.5	<0.1	<0.05	2	<0.5	<0.2
1895703	Soil	19	0.36	173	0.031	<1	0.84	0.010	0.06	0.1	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
REP 1895703	QC	18	0.36	166	0.028	<1	0.88	0.009	0.05	0.1	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																	
STD BVGEO01	Standard	186	1.26	273	0.241	4	2.25	0.183	0.86	4.9	0.12	6.7	0.6	0.66	7	4.4	1.0
STD BVGEO01	Standard	188	1.27	293	0.230	3	2.23	0.192	0.94	5.2	0.09	6.5	0.6	0.72	7	4.9	1.1
STD DS11	Standard	58	0.84	367	0.092	6	1.10	0.075	0.39	3.2	0.27	3.3	5.0	0.30	5	2.3	4.4
STD DS11	Standard	61	0.83	351	0.096	7	1.10	0.069	0.38	2.8	0.26	3.2	4.7	0.31	5	2.1	4.7
STD DS11	Standard	61	0.83	377	0.094	8	1.13	0.072	0.43	2.8	0.24	3.3	5.0	0.31	5	2.1	4.6
STD OREAS262	Standard	42	1.13	248	0.003	4	1.18	0.068	0.31	0.2	0.16	3.3	0.5	0.27	4	<0.5	0.2
STD OREAS262	Standard	44	1.23	250	0.003	2	1.38	0.067	0.31	0.2	0.17	3.2	0.5	0.33	4	0.7	0.2
STD OREAS262	Standard	44	1.16	243	0.003	5	1.29	0.066	0.29	0.2	0.17	3.4	0.4	0.28	4	<0.5	0.2
STD OREAS262	Standard	45	1.19	250	0.003	5	1.36	0.070	0.33	0.2	0.15	3.6	0.5	0.30	4	0.6	<0.2
STD OREAS262	Standard	44	1.16	250	0.003	3	1.30	0.067	0.30	0.2	0.16	3.4	0.4	0.29	4	<0.5	0.2
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
STD BVGEO01 Expected		187	1.2963	260	0.233	3.8	2.347	0.1924	0.89	5.3	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD OREAS262 Expected		41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.06	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Report Date: August 23, 2019

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QUALITY CONTROL REPORT

WHI19000217.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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QUALITY CONTROL REPORT

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		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5



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Client: **True Point Exploration Inc.**
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Submitted By: Scott Petsel
Receiving Lab: Canada-Whitehorse
Received: July 17, 2019
Report Date: August 23, 2019
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CERTIFICATE OF ANALYSIS

WHI19000218.1

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: KS19-1
P.O. Number
Number of Samples: 10

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2
Canada

CC: Samantha Dyck
Lauren Blackburn

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	10	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ202	10	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SLBHP	0	Sort, label and box pulps			WHI
SHP01	10	Per sample shipping charges for branch shipments			VAN
AR404	1	Aqua Regia Digestion 0.5g / 200 mL (SCH)	0.5	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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VERITAS Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2 Canada

Project: Keno Silver
Report Date: August 23, 2019

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CERTIFICATE OF ANALYSIS

WHI19000218.1

	Method Analyte Unit MDL	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
1481701	Rock	0.89	0.7	2.0	1.7	32	<0.1	7.9	2.5	800	0.54	13.1	<0.5	0.3	2	0.7	0.2	<0.1	1	<0.01	0.002
1481702	Rock	1.02	0.5	13.2	206.7	141	5.8	3.6	0.7	417	6.23	>10000	1153.4	1.1	23	2.2	118.7	1.8	2	<0.01	0.023
1481703	Rock	0.62	0.2	614.5	>10000	6414	>100	5.8	0.8	>10000	18.48	6897.6	544.2	1.4	13	114.3	1860.8	100.1	8	0.01	0.026
1481704	Rock	0.95	1.4	32.8	232.7	5314	14.5	17.8	7.0	>10000	28.18	65.8	4.2	0.4	149	116.1	4.5	<0.1	10	0.07	0.061
1481705	Rock	1.37	0.2	5.1	229.8	466	12.4	18.9	6.6	>10000	15.25	39.5	<0.5	1.2	15	2.7	1.5	<0.1	7	0.01	0.006
1481706	Rock	1.20	0.2	5.0	227.5	1851	6.1	26.2	18.1	>10000	36.67	26.8	<0.5	0.1	151	46.9	2.4	<0.1	18	0.07	0.025
1481714	Rock	1.18	0.2	2.5	12.6	34	0.1	6.8	2.6	217	1.46	18.5	2.7	0.9	2	<0.1	0.5	0.2	4	0.02	0.008
1481715	Rock	0.91	0.3	3.9	19.3	17	<0.1	18.5	7.7	425	0.82	6.0	3.6	1.9	2	0.2	4.9	0.1	<1	0.02	0.009
1481716	Rock	0.88	0.4	2.8	6.0	4	<0.1	2.0	0.9	143	0.72	0.5	2.3	0.9	3	<0.1	0.1	<0.1	<1	0.07	0.003
1481717	Rock	1.31	0.2	2.1	9.6	23	<0.1	2.7	1.0	178	0.89	1.8	2.7	1.0	4	<0.1	<0.1	0.2	<1	0.13	0.031



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2 Canada

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CERTIFICATE OF ANALYSIS

WHI19000218.1

	Method Analyte Unit MDL	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AR404	AR404
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Ag	Pb
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2	0.01
1481701	Rock	<1	5	0.04	54	<0.001	1	0.08	0.003	0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2		
1481702	Rock	3	4	<0.01	56	<0.001	4	0.12	0.002	0.05	<0.1	0.02	0.6	0.2	0.38	<1	7.2	0.2		
1481703	Rock	<1	3	<0.01	39	<0.001	<1	0.35	<0.001	<0.01	<0.1	4.12	4.7	1.3	6.29	<1	24.9	<0.2	1420	>20
1481704	Rock	<1	3	<0.01	92	<0.001	3	0.13	0.003	0.05	<0.1	1.11	12.7	<0.1	<0.05	5	1.7	<0.2		
1481705	Rock	3	2	0.02	249	<0.001	<1	0.16	0.002	0.03	<0.1	0.01	16.2	<0.1	<0.05	<1	<0.5	<0.2		
1481706	Rock	1	3	0.01	123	<0.001	<1	0.11	0.003	0.05	<0.1	0.07	28.9	<0.1	<0.05	<1	<0.5	<0.2		
1481714	Rock	2	6	0.25	23	0.001	2	0.55	0.003	0.05	<0.1	0.02	2.8	<0.1	<0.05	2	<0.5	<0.2		
1481715	Rock	4	5	0.01	27	<0.001	2	0.13	0.006	0.09	<0.1	<0.01	1.2	<0.1	<0.05	<1	<0.5	<0.2		
1481716	Rock	<1	4	0.02	8	<0.001	<1	0.05	0.003	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2		
1481717	Rock	<1	5	<0.01	20	<0.001	<1	0.08	0.005	0.05	<0.1	0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2		



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

True Point Exploration Inc.

904 – 409 Granville St.

Vancouver British Columbia V6G 1T2 Canada

Project:

Keno Silver

Report Date:

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QUALITY CONTROL REPORT

WHI19000218.1

Method	Analyte	Unit	MDL	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202			
				Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
				kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
Pulp Duplicates																								
1481703	Rock	0.62	0.2	614.5	>10000	6414	>100	5.8	0.8	>10000	18.48	6897.6	544.2	1.4	13	114.3	1860.8	100.1	8	0.01	0.026			
REP 1481703	QC																							
REP 1481716	QC		0.4	3.0	6.0	4	<0.1	2.5	0.9	147	0.73	0.8	2.2	0.6	3	<0.1	<0.1	<0.1	<1	0.07	0.003			
Core Reject Duplicates																								
1481716	Rock	0.88	0.4	2.8	6.0	4	<0.1	2.0	0.9	143	0.72	0.5	2.3	0.9	3	<0.1	0.1	<0.1	<1	0.07	0.003			
DUP 1481716	QC		0.4	2.5	4.1	4	<0.1	2.1	0.9	129	0.62	1.1	2.3	0.4	3	<0.1	<0.1	<0.1	<1	0.06	0.002			
Reference Materials																								
STD DS11	Standard		14.0	152.7	151.1	352	1.9	81.5	13.3	1017	3.20	43.9	84.2	8.0	70	2.4	9.0	12.8	49	1.06	0.077			
STD DS11	Standard		14.3	147.3	136.5	334	1.7	79.6	13.7	1024	3.12	41.3	75.4	8.2	64	2.4	8.1	11.9	48	1.05	0.068			
STD DS11	Standard		14.1	149.0	137.5	326	1.7	78.2	13.7	1042	3.10	43.3	84.9	9.2	60	2.5	7.6	10.9	49	1.05	0.065			
STD OREAS134B	Standard																							
STD OREAS133A	Standard																							
STD OREAS262	Standard		0.6	111.7	54.5	142	0.5	64.2	27.2	550	3.24	34.5	53.3	9.8	32	0.7	3.7	1.0	22	3.08	0.036			
STD OREAS262	Standard		0.7	112.8	56.4	140	0.5	62.9	27.2	534	3.23	36.3	66.3	11.0	32	0.7	4.4	1.0	21	2.94	0.037			
STD OREAS134B Expected																								
STD OREAS133A Expected																								
STD DS11 Expected					14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	
STD OREAS262 Expected					0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	0.1	<0.1	2	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.001			
BLK	Blank																							
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.001			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.001			
Prep Wash																								
ROCK-WHI	Prep Blank		0.8	2.1	1.3	27	<0.1	0.5	3.4	473	1.80	1.0	<0.5	2.6	22	<0.1	<0.1	<0.1	22	0.61	0.041			



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AR404	AR404
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Ag	Pb
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2	0.01
Pulp Duplicates																				
1481703	Rock	<1	3	<0.01	39	<0.001	<1	0.35	<0.001	<0.01	<0.1	4.12	4.7	1.3	6.29	<1	24.9	<0.2	1420	>20
REP 1481703	QC	1422 >20																		
REP 1481716	QC	<1	4	0.03	9	<0.001	<1	0.05	0.003	<0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2		
Core Reject Duplicates																				
1481716	Rock	<1	4	0.02	8	<0.001	<1	0.05	0.003	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2		
DUP 1481716	QC	<1	4	0.02	7	<0.001	<1	0.05	0.003	<0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2		
Reference Materials																				
STD DS11	Standard	18	60	0.85	380	0.092	<1	1.17	0.072	0.41	3.3	0.28	3.2	5.1	0.27	5	1.3	5.4		
STD DS11	Standard	18	58	0.84	385	0.089	7	1.18	0.073	0.40	3.1	0.27	3.1	4.8	0.27	5	2.4	4.4		
STD DS11	Standard	17	59	0.84	379	0.080	7	1.18	0.074	0.40	3.1	0.26	3.7	4.8	0.28	5	2.0	4.9		
STD OREAS134B	Standard																		206	13.27
STD OREAS133A	Standard																		96	4.96
STD OREAS262	Standard	16	43	1.19	233	0.003	3	1.33	0.068	0.31	0.2	0.17	3.1	0.4	0.25	4	<0.5	0.3		
STD OREAS262	Standard	15	43	1.17	256	0.003	4	1.32	0.069	0.30	0.2	0.17	3.8	0.5	0.27	4	<0.5	0.2		
STD OREAS134B Expected																			204	13.31
STD OREAS133A Expected																			96.9	4.86
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56		
STD OREAS262 Expected		15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<2 <0.01																		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	0.1	<0.05	<1	<0.5	<0.2		
Prep Wash																				
ROCK-WHI	Prep Blank	6	3	0.42	59	0.068	2	0.82	0.083	0.09	<0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2		

Appendix III. Rock Descriptions & Data

Sample ID	Easting	Northing	Type	Source	Sampler	Description	Certificate	Weight (kg)	Ag ppm	Au ppb	Pb ppm	Zn ppm	Cu ppm	As ppm	Mo ppm	Ni ppm	Co ppm	Mn ppm	Fe %
1481714	476208	7080218	Grab	Float	L Blackburn	At soil wpt 1895540 - dug up qz vein boulder with brx ser-schist with clasts + lim + tr galena.	WHI19000218	1.18	0.1	2.7	12.6	34	2.5	18.5	0.2	6.8	2.6	217	1.5
1481715	476170	7080410	Grab	Local	L Blackburn	Angular, small but abundant qz vein float + perv lim vugs +/- galena	WHI19000218	0.91	0.05	3.6	19.3	17	3.9	6	0.3	18.5	7.7	425	0.8
1481716	476187	7080296	Grab	Local	L Blackburn	1m x 0.75m boulder of angular qz vein w pervasive limonite vugs and ~1% cubiform galena	WHI19000218	0.88	0.05	2.3	6	4	2.8	0.5	0.4	2	0.9	143	0.7
1481717	476404	7080562	Grab	Outcrop	L Blackburn	Qz vein + lim (perv) clots +/- MnO; foliation parallel?	WHI19000218	1.31	0.05	2.7	9.6	23	2.1	1.8	0.2	2.7	1	178	0.9

Appendix IV. Soil Descriptions & Data

Sample ID	Easting	Northing	Sampler	Date Sampled	Org %	Frag %	Slope	Depth cm	Horizon	Colour	Quality	Certificate	Ag ppm	Au ppb	Pb ppm	Zn ppm	Cu ppm	As ppm	Mo ppm	Ni ppm	Co ppm	Mn ppm	Fe %
1895501	476808	7079917	L Blackburn	2019-07-08	0	20	5	30	B	GY BR	2.5	WHI19000217	0.2	3.4	22	68	37.6	34.2	1	27.2	13.7	277	2.86
1895502	476712	7079918	L Blackburn	2019-07-08	0	25	0	25	B	GY BR	2	WHI19000217	0.2	8.1	22	77	32.3	22	0.5	27.5	10.7	302	2.14
1895503	476613	7079916	L Blackburn	2019-07-08	2	0	0	30	A/B	BL	2	WHI19000217	0.2	2.7	13.9	59	31.5	22	1.1	26.2	12.8	3681	2.11
1895504	476505	7079916	L Blackburn	2019-07-08	2	20	0	40	B	dGY	3	WHI19000217	0.2	32.1	13.8	50	17.7	27.3	0.5	15.2	6.4	971	1.55
1895505	476412	7079916	L Blackburn	2019-07-08	0	15	0	30	B	GY BL	4	WHI19000217	0.5	6.7	32.4	87	45.1	60.5	1	31.9	14.3	1379	3.07
1895506	476310	7079917	L Blackburn	2019-07-08	0	15	0	40	B/C	GY BK	4	WHI19000217	0.5	5.5	33.9	86	47.4	71.7	0.7	30.1	12.7	387	2.34
1895507	476214	7079919	L Blackburn	2019-07-08	1	15	0	40	B/C	GY BK	4	WHI19000217	0.5	6.4	33.8	93	52.3	54.8	0.6	28.6	8.8	168	2.21
1895508	476112	7079916	L Blackburn	2019-07-08	1	15	0	50	B/C	GY BL	3	WHI19000217	0.5	9.1	42.2	121	35.7	38.3	1.1	25.4	9.6	373	2.15
1895509	476007	7079913	L Blackburn	2019-07-08	2	5	0	40	B	GY BL	3	WHI19000217	0.6	4	36.8	125	26.5	108.1	2	26.5	15.7	5606	2.74
1895510	476810	7080017	M Linley	2019-07-08	5	25	20	25	B/C	BR TP	4	WHI19000217	0.1	5.2	16.7	49	19.4	21.5	0.8	16.7	9	567	2.25
1895511	476704	7080017	M Linley	2019-07-08	5	25	20	35	B/C	BR TP	4	WHI19000217	0.2	4.3	15.5	65	31.2	22.6	0.7	22.5	9.2	400	2.14
1895512	476600	7080028	M Linley	2019-07-08	5	25	20	40	C	BR TP	4	WHI19000217	0.05	8.1	16.1	70	24.9	22.2	1.1	20.3	9.7	459	2.19
1895513	476505	7080052	M Linley	2019-07-08	50	2	15	45	B	BR TP	2	WHI19000217	0.3	3.1	16.5	60	31.7	23	0.7	22.4	8.4	512	1.9
1895514	476408	7080056	M Linley	2019-07-08	15	2	20	40	B	BR TP	3	WHI19000217	0.3	7.1	23.1	65	35.8	41.2	0.8	24.5	11	754	2.46
1895515	476307	7080058	M Linley	2019-07-08	10	5	20	60	B/C	TP GY	4	WHI19000217	0.5	6.7	29.1	78	41.5	86.7	0.8	25.7	10.4	564	2.6
1895516	476209	7080066	M Linley	2019-07-08	10	10	20	50	B/C	TP GY	4	WHI19000217	0.3	4.1	27.6	71	39	55.9	0.8	26.8	11	696	2.48
1895517	476107	7080075	M Linley	2019-07-08	20	2	35	50	B/C	TAN	3	WHI19000217	0.4	13.3	32.1	90	31.1	48.6	0.9	22.4	9.2	384	2.48
1895518	476012	7080090	M Linley	2019-07-08	10	5	25	40	B/C	TP	4	WHI19000217	0.6	12.4	35.6	106	31.1	43.5	0.9	21.2	8.3	469	1.98
1895519	475898	7080103	M Linley	2019-07-08	5	5	20	35	B/C	TP	4	WHI19000217	0.05	1.1	16.9	68	18.3	30.1	0.8	16.9	7	296	1.81
1895520	475793	7080135	M Linley	2019-07-08	5	20	20	45	B/C	TP	4	WHI19000217	0.6	7.8	32.7	90	30.3	79.3	0.8	21.7	8.2	437	2.16
1895534	476808	7080215	L Blackburn	2019-07-09	2	5	5	30	B	GY	2.5	WHI19000217	0.4	3.9	17.1	65	24.5	38	0.7	19.5	7.9	326	2.01
1895535	476708	7080219	L Blackburn	2019-07-09	2	20	5	20	B	BE GY	2	WHI19000217	0.05	1.7	12.9	68	21.3	18.3	0.7	19.5	8.5	450	2.19
1895536	476608	7080219	L Blackburn	2019-07-09	0	25	5	40	B	TAN BK	3	WHI19000217	0.1	3.3	13.1	51	24.6	21.7	0.5	17.8	8.2	416	2.05
1895537	476503	7080218	L Blackburn	2019-07-09	0	20	5	40	B	TAN	3.5	WHI19000217	0.2	2.3	16.9	58	25.3	43.5	0.6	18.4	7.6	398	1.79
1895538	476403	7080217	L Blackburn	2019-07-09	1	20	5	25	B	TAN	2.5	WHI19000217	0.2	4.5	23.2	70	37	39.7	0.7	26.2	12.1	446	2.97
1895539	476310	7080218	L Blackburn	2019-07-09	1	15	5	40	B	GY	3.5	WHI19000217	0.3	3.8	25.1	79	37.4	45.5	0.7	24.8	10.9	405	2.66
1895540	476211	7080218	L Blackburn	2019-07-09	1	15	5	50	B	TAN	3.5	WHI19000217	0.5	5.4	27.9	85	43.5	97.9	0.7	29.4	12.5	439	2.81
1895541	476108	7080216	L Blackburn	2019-07-09	0	5	5	70	A/B	TAN BK	2	WHI19000217	0.5	5.1	27.9	55	35.1	65	0.5	25	11	554	2.33
1895542	476011	7080222	L Blackburn	2019-07-09	1	8	15	35	B	TAN	3	WHI19000217	0.3	4.8	27.8	75	32.7	60.9	0.6	25.9	10.1	469	2.63
1895549	476810	7080317	M Linley	2019-07-09	5	10	20	50	B/C	TP	4	WHI19000217	0.3	6.2	19.6	75	34.8	37.7	0.7	24.3	9.6	513	2.52
1895550	476712	7080313	M Linley	2019-07-09	2	5	25	75	C	BR	5	WHI19000217	0.1	2.8	13.2	61	24.9	22	0.7	20.2	8.2	433	2.22
1895551	476611	7080284	M Linley	2019-07-09	2	2	20	70	B/C	BR	4	WHI19000217	0.2	2.8	17.3	65	18.6	45.1	0.8	17.6	9.3	529	2.18
1895552	476511	7080299	M Linley	2019-07-09	5	2	20	50	B/C	BR	4	WHI19000217	0.3	5.3	23.5	69	32.9	45.6	0.7	22.8	9.2	518	2.41
1895553	476416	7080304	M Linley	2019-07-09	2	2	20	40	B	IBR	3	WHI19000217	0.05	3.5	22.1	64	30.3	46.1	0.7	24.6	10.7	426	2.6
1895554	476316	7080308	M Linley	2019-07-09	5	2	20	50	B/C	TP	4	WHI19000217	0.3	6.1	24.3	78	52.2	40.5	1.5	32.5	14.7	451	3.15
1895555	476217	7080300	M Linley	2019-07-09	0	5	30	65	C	TP BR	5	WHI19000217	0.5	3.7	29.2	92	60.6	95.8	1.5	36.9	15.3	631	3.07
1895556	476113	7080305	M Linley	2019-07-09	0	0	30	55	C	GY BR	5	WHI19000217	0.4	4.3	41.3	96	32.8	73.9	0.8	26.7	13.4	636	2.2
1895557	476010	7080307	M Linley	2019-07-09	5	0	25	50	C	GY BR	5	WHI19000217	0.5	7.3	41.1	82	35.8	77.3	0.6	26.9	10.6	550	2.49
1895558	475910	7080322	M Linley	2019-07-09	2	5	25	50	C	GY BR	5	WHI19000217	0.6	301.6	33	84	39.4	90.1	0.9	24.4	11.5	635	2.19
1895568	476610	7080415	L Blackburn	2019-07-10	2	15	5	30	B	GY BL	2.5	WHI19000217	0.2	3.3	14.3	69	27.1	41.6	0.6	20.9	7.8	334	2.01
1895569	476508	7080417	L Blackburn	2019-07-10	2	10	5	35	B	GY BL	3	WHI19000217	0.4	6.3	24.5	67	36.2	58.5	0.5	25	10.3	300	2.49
1895570	476405	7080419	L Blackburn	2019-07-10	0	15	20	25	B	GY BL	3.5	WHI19000217	0.05	3.3	28.1	67	37.2	12.8	0.5	33.2	12.9	532	3.44

Sample ID	Easting	Northing	Sampler	Date Sampled	Org %	Frag %	Slope	Depth cm	Horizon	Colour	Quality	Certificate	Ag ppm	Au ppb	Pb ppm	Zn ppm	Cu ppm	As ppm	Mo ppm	Ni ppm	Co ppm	Mn ppm	Fe %
1895572	476205	7080419	L Blackburn	2019-07-10	1	15	20	45	B	GY	3.5	WHI19000217	0.4	5.2	26.5	80	37.8	131.7	1.7	27.5	11.7	462	2.89
1895573	476106	7080416	L Blackburn	2019-07-10	1	15	20	10	B	TAN	2	WHI19000217	1	9.2	63.1	69	24.8	89.9	0.6	20.8	9.4	457	2.36
1895574	476006	7080414	L Blackburn	2019-07-10	0	10	20	45	B	GY	3	WHI19000217	0.5	6.9	30.5	84	40.8	91.5	0.8	27.9	12	615	2.4
1895575	475907	7080414	L Blackburn	2019-07-10	1	5	20	45	B	dGY	3	WHI19000217	0.5	4.8	35.3	86	32.8	41.7	0.8	23.2	9.3	582	2.21
1895576	475815	7080416	L Blackburn	2019-07-10	0	10	5	40	B	GY	3.5	WHI19000217	0.4	12	25.2	77	30	77.3	0.7	22.5	8.9	430	2.02
1895577	475710	7080415	L Blackburn	2019-07-10	0	5	5	50	B	TAN	2	WHI19000217	0.4	6	24.9	67	38.1	72.6	0.7	25.4	9.9	439	2.2
1895585	476613	7080513	M Linley	2019-07-10	50	0	15	60	A/B	dBR	1	WHI19000217	0.3	7.2	16.1	64	24.2	39.4	0.4	20.5	9.1	723	1.84
1895586	476515	7080512	M Linley	2019-07-10	25	5	20	50	B	BR	3	WHI19000217	0.2	1.9	15.8	65	17.9	40.4	0.7	17.7	9.1	645	2.02
1895587	476424	7080497	M Linley	2019-07-10	0	5	30	75	C	GY TAN	5	WHI19000217	0.05	2.9	21.3	70	45.2	26.5	0.4	35.8	17.8	762	3.72
1895588	476306	7080512	M Linley	2019-07-10	0	2	15	60	C	GY TP	5	WHI19000217	3.6	20.6	126.4	173	55	652.8	0.6	37.6	15.5	780	3.71
1895589	476208	7080510	M Linley	2019-07-10	2	10	10	60	B/C	TP	4	WHI19000217	0.4	4.4	25.6	112	63.8	149.8	2.6	36.9	17.3	755	3.39
1895590	476103	7080515	M Linley	2019-07-10	2	10	10	30	B/C	BG	4	WHI19000217	0.1	4	22.2	66	26.9	49	0.6	21.2	9.4	426	2.14
1895591	476016	7080520	M Linley	2019-07-10	2	10	20	60	B/C	BR	4	WHI19000217	0.4	4.7	35.2	90	28	51.7	1	19.7	8.7	461	2.09
1895592	475902	7080524	M Linley	2019-07-10	0	10	20	70	C	BR	5	WHI19000217	0.3	4.4	35.2	99	32.7	85.7	1.1	25.3	16.1	1538	2.85
1895593	475801	7080509	M Linley	2019-07-10	2	10	30	60	B/C	BR	4	WHI19000217	0.4	6.4	28.7	81	43.3	97.9	0.9	48.8	17.7	798	2.7
1895594	475719	7080523	M Linley	2019-07-10	2	10	20	70	B/C	BR	4	WHI19000217	0.4	6.4	33.6	70	27.7	70.3	0.8	21.3	9.8	450	2.21
1895595	475627	7080526	M Linley	2019-07-10	2	10	25	60	B/C	BR	4	WHI19000217	0.2	3.9	16.5	68	19.4	30.4	0.6	17.5	7.6	331	2.07
1895617	480943	7082867	L Blackburn	2019-07-11	0	15	5	80	B/C	dBR	4	WHI19000217	0.2	5.3	16.7	84	25.5	17.7	0.7	22.8	10.7	336	2.43
1895618	480862	7082799	L Blackburn	2019-07-11	0	20	0	70	B/C	TAN	4	WHI19000217	0.05	2.5	15.5	75	24.7	18.5	0.9	25.1	11.4	636	2.6
1895619	480873	7082701	L Blackburn	2019-07-11	0	10	5	50	B/C	GR GY	4	WHI19000217	0.2	3.9	23.9	85	34.9	22	0.7	30.1	12.2	348	2.96
1895620	480824	7082615	L Blackburn	2019-07-11	0	20	5	60	B/C	BL GY	4	WHI19000217	0.3	24.4	43	133	85.1	207.5	2.4	49.7	24.3	979	4.36
1895621	480813	7082517	L Blackburn	2019-07-11	0	10		70	B/C	BL GY	4	WHI19000217	0.2	2.4	18.1	79	24.7	14.1	0.6	24.6	9.9	465	2.26
1895622	480769	7082427	L Blackburn	2019-07-11	0	5		80	B/C	GR GY	4	WHI19000217	0.3	3.7	26.6	107	43.4	25.8	1.2	30.2	11.6	461	2.97
1895623	480730	7082328	L Blackburn	2019-07-11	0	3		55	B/C	GR GY	4	WHI19000217	0.2	9.4	18.4	81	25.8	19.1	0.7	25.2	10.3	790	2.66
1895624	480648	7082264	L Blackburn	2019-07-11	0	15		60	B/C	BL GY	4	WHI19000217	0.2	2.7	20.8	89	34.2	22.2	1.3	28.7	11.2	586	2.74
1895625	480577	7082190	L Blackburn	2019-07-11	0	5		50	B/C	BL GY	3	WHI19000217	0.3	1.5	23.9	104	41.3	24.3	1.5	32.1	11.8	471	2.82
1895626	480521	7082119	L Blackburn	2019-07-11	0	5		50	B/C	GY BR	3	WHI19000217	0.1	1.7	14.1	59	20.8	13	0.5	20.1	8.3	281	1.98
1895627	480434	7082053	L Blackburn	2019-07-11	0	10		50	B/C	BL GY	3	WHI19000217	0.1	2.7	19.3	73	25.3	19.4	0.8	20	7.6	213	2.32
1895628	480360	7081997	L Blackburn	2019-07-11	0	10		80	B/C	GY	4	WHI19000217	0.4	3.6	23.2	90	34.6	20.5	1.3	27.8	12.6	1527	2.88
1895629	480286	7081926	L Blackburn	2019-07-11	0	10		90	B/C	BL GY	4	WHI19000217	0.3	27.3	23.7	93	43.1	20.9	0.9	32	12.1	536	2.73
1895630	480202	7081867	L Blackburn	2019-07-11	0	5		60	B/C	dBR	4	WHI19000217	0.1	-0.5	16.1	68	18.3	14.5	0.8	17.8	7.9	222	2.46
1895631	480124	7081812	L Blackburn	2019-07-11	0	5		70	B/C	BL GY	5	WHI19000217	0.2	2.2	21.1	84	34.3	17	1.1	28.6	10.7	383	2.54
1895632	480053	7081735	L Blackburn	2019-07-11	0	5		75	B/C	BL GY	5	WHI19000217	0.2	2.1	26.6	79	27.6	12.8	0.9	24.6	10.4	386	2.44
1895633	479988	7081660	L Blackburn	2019-07-11	0	8		60	B/C	BL GY	4	WHI19000217	0.2	3	19.7	78	25.1	15.7	0.7	22.8	9.7	304	2.11
1895634	479918	7081597	L Blackburn	2019-07-11	0	5		90	B/C	BL GY	4	WHI19000217	0.2	1.5	19.6	70	29.4	12.2	0.5	26.7	9.8	359	2.36
1895635	479848	7081533	L Blackburn	2019-07-11	0	10		75	B/C	GY BR	4	WHI19000217	0.2	1.5	20.7	82	36.9	13.9	0.6	26.5	9.3	658	2.41
1895636	479767	7081468	L Blackburn	2019-07-11	0	5		55	B/C	GY BR	4	WHI19000217	0.2	2.2	23.3	80	34	16	0.6	27.8	11.5	443	2.9
1895637	479658	7081458	L Blackburn	2019-07-10	3	3	10	90	B/C	GR GY	3.5	WHI19000217	0.2	-0.5	20	61	26.2	16.4	0.7	21.6	9.7	455	2.46
1895638	479592	7081380	L Blackburn	2019-07-10	1	5	5	70	B/C	GY BR	4	WHI19000217	0.2	4	20.5	71	26.6	18.8	0.6	24.4	11.5	734	2.74
1895639	479504	7081330	L Blackburn	2019-07-10	5	5	5	50	B/C	BR	4	WHI19000217	0.1	2.8	22.5	71	26.8	29.3	0.6	22.4	10.5	539	2.62
1895640	479419	7081272	L Blackburn	2019-07-10	2	5		50	B/C	GY	4	WHI19000217	0.2	2.4	20.3	68	35.5	24.7	0.5	25.7	10.5	430	2.73
1895641	479348	7081201	L Blackburn	2019-07-10	2	10		55	B/C	GY	4	WHI19000217	0.2	3.3	23.7	83	46.2	14.1	0.6	33.4	13.6	464	3.18

Sample ID	Easting	Northing	Sampler	Date Sampled	Org %	Frag %	Slope	Depth cm	Horizon	Colour	Quality	Certificate	Ag ppm	Au ppb	Pb ppm	Zn ppm	Cu ppm	As ppm	Mo ppm	Ni ppm	Co ppm	Mn ppm	Fe %
1895642	479285	7081122	L Blackburn	2019-07-10	2	3		70	B/C	GY BR	4	WHI19000217	0.2	3.2	25.1	83	32.9	23.8	0.8	28.8	14.2	567	2.98
1895643	479243	7081038	L Blackburn	2019-07-10	5	5		50	B/C	dBR	3.5	WHI19000217	0.2	1	23.3	78	36.3	18.6	0.7	29.1	10.9	433	3.21
1895644	479187	7080948	L Blackburn	2019-07-10	5	8		80	B/C	GY BR	3	WHI19000217	0.1	3.2	19.1	72	26.7	16.2	0.7	22.4	10.4	424	2.47
1895645	479132	7080866	L Blackburn	2019-07-10	0	5		70	B/C	GY	3.5	WHI19000217	0.2	2.9	19.9	77	29.2	15.7	0.6	27	10.5	437	2.63
1895646	479054	7080801	L Blackburn	2019-07-10	2	5		50	B/C	GY BR	3.5	WHI19000217	0.2	5.3	16.8	59	21.9	18.7	0.7	22.8	11.9	1898	2.37
1895647	478970	7080734	L Blackburn	2019-07-14	5	5		85	B/C	GR GY	3	WHI19000217	0.05	0.9	14.3	67	21.3	12.3	0.5	22.3	9.1	341	2.28
1895648	478894	7080695	L Blackburn	2019-07-14	5	5		80	B/C	BR GY	3.5	WHI19000217	0.3	2.5	21.4	75	29.7	28	0.9	25.4	11	522	2.51
1895649	478804	7080625	L Blackburn	2019-07-14	5	5		95	B/C	BR GY	3	WHI19000217	0.2	2.2	22.5	79	32.4	31.3	0.7	28.3	11.9	268	2.79
1895650	478724	7080571	L Blackburn	2019-07-14	3	10		70	B/C	BR GY	4	WHI19000217	0.2	3.5	22.4	83	36.3	24.5	0.8	27.9	11.8	606	2.79
1895651	478639	7080516	L Blackburn	2019-07-14	5	10		90	B/C	BR GY	3.5	WHI19000217	0.2	8	21.4	78	30.4	31.7	0.7	26.5	12.6	919	2.63
1895652	478570	7080456	L Blackburn	2019-07-14	5	10		75	B/C	BR GY	3.5	WHI19000217	0.2	10.3	28.1	84	42.3	30.3	1.5	37	16	593	3.54
1895653	478483	7080395	L Blackburn	2019-07-14	2	10		95	B/C	dBR	4	WHI19000217	0.2	3.3	20.5	81	38.7	21.7	0.7	27.8	11.6	502	2.84
1895654	478413	7080308	L Blackburn	2019-07-14	2	10		50	B/C	dBR	3.5	WHI19000217	0.1	8.2	18.4	61	27.2	18.7	0.7	20	9.3	400	2.67
1895655	478371	7080205	L Blackburn	2019-07-14	5	5		55	B/C	dBR	3.5	WHI19000217	0.1	1.7	18	62	25.8	12.6	0.6	23.6	11.6	530	2.53
1895656	478327	7080108	L Blackburn	2019-07-14	5	10		60	B/C	dBR	3.5	WHI19000217	0.05	5.6	15.6	62	20.6	28.1	0.8	19.5	10.1	419	2.29
1895657	478288	7080003	L Blackburn	2019-07-14	5	15		75	B/C	dBR	3.5	WHI19000217	0.1	1.5	15.4	62	24	17.2	0.7	22.2	10.1	451	2.43
1895658	478259	7079896	L Blackburn	2019-07-14	5	10		60	B/C	BR	4	WHI19000217	0.1	5.2	19.1	76	39.2	75.2	0.9	34.7	16.4	902	3.08
1895659	478210	7079804	L Blackburn	2019-07-14	0	20		45	B/C	BR GY	5	WHI19000217	0.1	1.4	17.9	69	20.4	26.4	0.8	19.3	9.8	333	2.68
1895660	478147	7079727	L Blackburn	2019-07-14	5	5		30	B	dGY	3.5	WHI19000217	0.2	2.3	16.9	62	25.2	15.8	0.8	24.5	10.5	464	2.21
1895661	478082	7079656	L Blackburn	2019-07-14	5	5		60	B/C	BR GY	4	WHI19000217	0.1	4	14.2	65	26	14.3	1	23.1	9.1	581	2.26
1895662	478016	7079586	L Blackburn	2019-07-14	1	5		95	B/C	dGY	4	WHI19000217	0.2	2.5	14.1	85	34.2	19.9	1.3	26.9	9.8	398	2.29
1895663	477964	7079506	L Blackburn	2019-07-14	5	2	10	65	B	dGY	3	WHI19000217	0.2	2.8	16.8	72	35.5	17.5	0.8	27.8	8.9	311	2.17
1895664	477896	7079427	L Blackburn	2019-07-14	5	0	10	75	B	dGY	3	WHI19000217	0.3	3	20.9	106	38	25.3	1.5	31.6	11.5	536	2.97
1895665	477805	7079316	L Blackburn	2019-07-14	5	5	0	70	B	dGY	3	WHI19000217	0.3	2.7	18.2	89	36.9	21.9	1.3	28.7	10.5	360	2.56
1895666	477841	7079222	L Blackburn	2019-07-10	5	20	20	40	B/C	BL GY	2.5	WHI19000217	0.05	2.5	14.6	91	35	15.2	1.3	27.5	10.9	390	3.06
1895667	477942	7079192	L Blackburn	2019-07-13	2	20	20	35	B	IGY	5	WHI19000217	0.1	1.6	14.2	83	45	25.7	1.3	28.7	13.5	483	3.73
1895668	477955	7079089	L Blackburn	2019-07-13	2	5	20	55	B/C	GY BR	3.5	WHI19000217	0.2	1.8	16.5	73	32.3	20.3	1	27.4	10	390	2.4
1895669	477856	7079060	L Blackburn	2019-07-13	2	5	5	65	B/C	GY BR	3.5	WHI19000217	0.2	2.9	13.6	64	27.4	12.9	0.9	23.2	8.5	314	2.06
1895670	477759	7079054	L Blackburn	2019-07-13	2	2	5	40	B	GR GY	3.5	WHI19000217	0.1	2.4	12.3	76	27.9	13.3	1.1	22.6	9.8	344	2.23
1895671	477669	7079005	L Blackburn	2019-07-13	5	2	5	50	B/C	dGY	3.5	WHI19000217	0.2	3.2	14	68	31.3	13.4	0.9	26.7	9.2	312	2.31
1895672	477593	7078938	L Blackburn	2019-07-13	0	5	0	90	B/C	BL GY	4	WHI19000217	0.2	2.1	17.5	72	29.2	24.1	0.9	23.3	10	539	2.2
1895673	477529	7078864	L Blackburn	2019-07-13	5	5	10	45	B/C	BR GY	3.5	WHI19000217	0.1	3	14	59	25.4	14.4	0.8	22.4	9.3	426	2.12
1895674	477471	7078776	L Blackburn	2019-07-13	5	3	10	45	B	BR GY	3.5	WHI19000217	0.1	3.7	14.6	62	18.4	11.8	0.7	18	10.5	434	2.15
1895675	477381	7078720	L Blackburn	2019-07-13	2	5	0	50	B	GY	3.5	WHI19000217	0.1	3.2	13.6	62	22.7	12.3	1.3	25.2	12.1	325	2.43
1895676	477382	7078618	L Blackburn	2019-07-13	10	10	10	45	B	BR	2.5	WHI19000217	0.1	10.4	12.8	62	23.1	15.9	1.1	22.9	9.5	390	2.52
1895677	477360	7078520	L Blackburn	2019-07-13	2	5	0	40	B/C	dGY	4	WHI19000217	0.05	3.7	11.8	56	14	12.4	1.8	16.2	6.9	220	1.92
1895678	477466	7079751	L Blackburn	2019-07-12	0	5	5	50	B/C	BL BR	4	WHI19000217	0.2	6.6	16.7	57	28.6	52.5	0.5	20.6	7.9	263	2.15
1895679	477573	7079791	L Blackburn	2019-07-12	0	5	5	40	B/C	TAN	3	WHI19000217	0.4	4.8	20	64	30.4	63.4	0.6	22.2	9.1	399	2.35
1895680	477668	7079809	L Blackburn	2019-07-12	3	2	20	40	B/C	GY BR	3	WHI19000217	0.4	6.5	22.3	58	30.9	66.9	0.6	22.2	11.3	656	2.32
1895681	477772	7079809	L Blackburn	2019-07-12	5	5	20	50	B/C	GY BR	3	WHI19000217	0.4	7.3	21.6	68	37.4	71.5	0.7	24.4	9.7	536	2.58
1895682	477864	7079800	L Blackburn	2019-07-12	3	5	20	90	B/C	GY BR	4	WHI19000217	0.3	4.1	20.2	65	36.1	53.1	0.7	24.5	10.1	530	2.59

Sample ID	Easting	Northing	Sampler	Date Sampled	Org %	Frag %	Slope	Depth cm	Horizon	Colour	Quality	Certificate	Ag ppm	Au ppb	Pb ppm	Zn ppm	Cu ppm	As ppm	Mo ppm	Ni ppm	Co ppm	Mn ppm	Fe %
1895683	477936	7079881	L Blackburn	2019-07-12	5	2	20	75	B/C	RD BR	4	WHI19000217	0.2	4.2	16.3	61	29.9	31.9	0.5	21.5	8.8	407	2.03
1895684	477976	7079979	L Blackburn	2019-07-12	10	10	30	40	B	TAN	3	WHI19000217	0.05	2.4	22.9	71	37.8	27	0.6	27.4	12.6	375	2.76
1895685	478015	7080071	L Blackburn	2019-07-12	5	10	20	60	C	GY BR	4	WHI19000217	0.2	4.6	21.9	78	44.4	31	0.4	29.9	12	377	3.19
1895686	478050	7080156	L Blackburn	2019-07-12	10	10	20	30	B	TAN	3	WHI19000217	0.1	8.5	29.8	76	41	71.1	0.7	36.3	17.3	422	3.61
1895687	478099	7080252	L Blackburn	2019-07-12	2	15	10	40	B/C	TAN	4	WHI19000217	0.1	2.7	24.5	76	40.4	9.9	0.8	34	15.4	548	3.78
1895688	478125	7080344	L Blackburn	2019-07-12	0	35	5	75	C	BL BR	4	WHI19000217	0.05	2.6	24.5	76	45	15.8	1	31.7	14.8	442	4.19
1895689	478174	7080420	L Blackburn	2019-07-12	3	2	5	35	B/C	GR GY	3	WHI19000217	0.5	18.1	27.4	80	41	51.4	0.7	25.9	11.4	309	2.44
1895690	478240	7080500	L Blackburn	2019-07-12	0	5	5	70	B	dBR	3	WHI19000217	0.2	3.6	17.8	61	22.6	33.1	0.5	18.8	8.5	473	1.99
1895691	478337	7080544	L Blackburn	2019-07-12	5	2	5	60	B/C	GR GY	3	WHI19000217	0.3	4.4	18.8	75	28.9	32.7	0.6	21.5	9.5	314	2.12
1895692	478427	7080592	L Blackburn	2019-07-12	2	5	5	50	B/C	BL GY	4	WHI19000217	0.4	5.3	27.6	105	41.4	39.9	1.2	27.1	11.3	523	2.66
1895693	478498	7080642	L Blackburn	2019-07-12	2	8	15	60	B	TAN	2.5	WHI19000217	0.4	6.4	22	83	28.1	37.3	0.7	22	8.7	430	2.27
1895694	478577	7080706	L Blackburn	2019-07-12	1	5	15	55	B/C	BL BR	4	WHI19000217	0.2	3.6	17	71	32	19.5	0.6	23.5	8.4	392	2.3
1895695	478633	7080788	L Blackburn	2019-07-12	3	5	15	50	B/C	BL BR	4	WHI19000217	0.1	2.4	27.1	63	40.7	13.3	0.7	28.9	13.6	540	2.82
1895696	478713	7080847	L Blackburn	2019-07-13	5	10	15	40	C	GY	4	WHI19000217	0.1	4.2	20.1	81	58	16.3	1.6	32.7	14	591	3.22
1895697	478788	7080918	L Blackburn	2019-07-13	2	5	15	60	B	GY BR	3.5	WHI19000217	0.2	2.4	15.4	60	27.2	17.1	0.6	22	9.3	430	2.02
1895698	478877	7080969	L Blackburn	2019-07-13	2	15	15	40	B/C	BL GY	4	WHI19000217	0.05	-0.5	20.5	74	37.7	13.1	0.9	31.1	15.5	719	3.17
1895699	478948	7081052	L Blackburn	2019-07-13	2	15	15	30	B/C	BL GY	3.5	WHI19000217	0.05	1.3	20.5	71	35.2	15.8	0.6	29.3	14.7	542	2.88
1895700	478986	7081128	L Blackburn	2019-07-13	5	10	20	70	B/C	BL GY	4	WHI19000217	0.05	1	20.8	69	36.2	17.6	0.6	27.7	14	518	2.77
1895701	479046	7081216	L Blackburn	2019-07-13	2	5	10	50	B/C	BL BR	4	WHI19000217	0.2	6.2	37.2	100	39.4	57.1	0.8	30.1	14.2	826	3.06
1895702	479100	7081302	L Blackburn	2019-07-13	2	5	15	50	B/C	GY BR	4	WHI19000217	0.3	1.7	21.9	80	29.8	31.3	0.9	23.2	9.8	656	2.28
1895703	479154	7081381	L Blackburn	2019-07-13	2	2	10	75	B	GR GY	4	WHI19000217	0.4	2.6	25.7	101	31.8	22.3	0.8	24	7.7	353	2.14
1895704	479222	7081461	L Blackburn	2019-07-13	2	1	5	70	B	dGY	3	WHI19000217	0.3	8.7	22.1	97	26.7	19.3	0.9	22.2	8.1	348	2.05
1895705	479285	7081521	L Blackburn	2019-07-13	2	3	5	65	B/C	dGY	4	WHI19000217	0.3	1.9	25.9	89	35.1	25.9	0.8	23.7	8.9	407	2.52
1895706	479374	7081591	L Blackburn	2019-07-13	5	8	5	40	B	dBR	3	WHI19000217	0.3	6.7	20.2	83	27.8	22.7	0.7	21.8	8.7	449	2.09