

**BC Geological Survey
Assessment Report
41744**



ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Geological & Geochemical Ace Property, Cariboo Mining Division, British Columbia

TOTAL COST: \$40,652.00

AUTHOR(S): Louis Doyle

SIGNATURE(S): "SIGNED"

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-10-155 & MX-10-228

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 5990930 (June 1, 2023 to July 19, 2023) and 5999033 (July 24, 2023 to September 15, 2023)

YEAR OF WORK: 2023

PROPERTY NAME: Ace Property

CLAIM NAME(S) (on which work was done)

Ace 22 (tenure # 1092643) Pre - Amalgamation

Ace 93 (tenure # 1106206) Post - Amalgamation

COMMODITIES SOUGHT: Copper, Lead, Zinc, Silver & Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: N/K

MINING DIVISION: Cariboo

BCGS: 93A/14

LATITUDE 52.8°

LONGITUDE 121.1°

UTM Zone 10 EASTING 625986 NORTHING 5851878

OWNER(S): Barker Minerals Ltd.

MAILING ADDRESS: P33 Valley Rd. Box 53, 150 Mile House B.C., V0K 2G0

OPERATOR(S) [who paid for the work]: Barker Minerals Ltd.

MAILING ADDRESS: P33 Valley Rd. Box 53, 150 Mile House B.C., V0K 2G0

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude do not use abbreviations or codes)

Barkerville Terrane, Silver & Gold

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS

9669, 9677, 10252, 10264, 11620, 13154, 15420, 15804, 17696, 19354, 21930, 22599, 22642, 24662, 25752, 26003, 26504, 26805, 27125, 27655, 28248, 28978, 29740, 30764.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	N/A		
Photo interpretation	N/A		
GEOPHYSICAL (line-kilometres)			
Ground	N/A		
Magnetic	N/A		
Electromagnetic	N/A		
Induced Polarization	N/A		
Radiometric	N/A		
Seismic	N/A		
Other	N/A		
Airborne	N/A		
GEOCHEMICAL (number of samples analysed for ...)			
Soil	167	1106206 - Post	\$10,056.77
Silt	N/A		
Rock	N/A		
Heavy mineral	N/A		
DRILLING (total metres, number of holes, size, storage location)			
Core	N/A		
Non-core	N/A		
RELATED TECHNICAL			
Sampling / Assaying	88 79	1092643-Pre 1106206-Post	\$18,991.00 \$11,604.23
Petrographic	N/A		
Mineralographic	N/A		
Metallurgic	N/A		
PROSPECTING (scale/area)	N/A		
PREPATORY / PHYSICAL			
Line/grid (km)	N/A		
Topo/Photogrammetric (scale, area)	N/A		
Legal Surveys (scale, area)	N/A		
Road, local access (km)/trail	N/A		
Trench (number/metres)	N/A		
Underground development (metres)	N/A		
Other	N/A		
TOTAL COST			\$40,652.00

Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change Confirmation

Recorder: BARKER MINERALS LTD (140410) **Submitter:** BARKER MINERALS LTD (140410)
Recorded: 2023/JUL/19 **Effective:** 2023/JUL/19
D/E Date: 2023/JUL/19

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 5990930
Work Type: Technical Work
Technical Items: Geochemical, Geological, Geophysical
Work Start Date: 2023/JUN/01
Work Stop Date: 2023/JUL/19
Total Value of Work: \$ 15200.00
Mine Permit No:

Summary of the work value:

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value	Submission Fee
1066779	A BB BRIDGE	2019/FEB/24	2023/JUL/24	2023/OCT/15	83	431.19	\$ 980.52	\$ 0.00
1092643	ACE 22	2022/JAN/28	2023/JUL/24	2023/OCT/15	83	11146.98	\$ 12673.96	\$ 0.00
1092644		2022/JAN/28	2023/JUL/24	2023/OCT/15	83	508.91	\$ 578.63	\$ 0.00

Financial Summary:

Total applied work value: \$ 14233.11

PAC name: Barker Minerals Ltd.
Debited PAC amount: \$ 0.0
Credited PAC amount: \$ 966.89

Total Submission Fees: \$ 0.0

Total Paid: \$ 0.0

Please print this page for your records.

The event was successfully saved.

Click [here](#) to return to the Main Menu.

Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change Confirmation

Recorder: BARKER MINERALS LTD (140410) **Submitter:** BARKER MINERALS LTD (140410)
Recorded: 2023/OCT/04 **Effective:** 2023/OCT/04
D/E Date: 2023/OCT/04

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 5999033
Work Type: Technical Work
Technical Items: Geochemical, Geological
Work Start Date: 2023/JUL/24
Work Stop Date: 2023/SEP/15
Total Value of Work: \$ 19000.00
Mine Permit No:

Summary of the work value:

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value	Submission Fee
1106206	ACE 93	2023/JUL/22	2023/OCT/15	2024/JAN/31	108	11578.17	\$ 17082.55	\$ 0.00
1106207	SUL 3	2023/JUL/22	2023/OCT/15	2024/JAN/31	108	528.49	\$ 779.73	\$ 0.00

Financial Summary:

Total applied work value: \$ 17862.28

PAC name: Barker Minerals Ltd.
Debited PAC amount: \$ 0.0
Credited PAC amount: \$ 1,137.72

Total Submission Fees: \$ 0.0

Total Paid: \$ 0.0

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The event was successfully saved.

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1.0 SUMMARY

The field work performed in the 2023 field season on Barker Minerals Ltd's. Ace Property consisted of soil and heavy mineral till sampling programs on and near new logging roads in freshly logged areas, which was followed up with XRF geochemical analysis. One hundred and forty-nine soil samples and nineteen heavy mineral till samples were collected in the field and dried at Barker's field office in Quesnel, B.C. Once broken apart and dried the samples were then fine sieved through a series of fining down screen mesh sizes in preparation for analysis.

Soil Samples

The soil samples are located in an area of deep overburden so a larger than normal amount of sample material was collected in order to get as much fine fraction material to provide the best chances to identify patterns of geochemical results. A large 12 inch by 20 inch plastic sample bag of soil or clay material was collected at each sample site to be dried, sieved and then analyzed by XRF at Barker's field office in Quesnel, B.C.

Till Samples

Like most of the Ace property and surrounding area the new logging roads exposed deep overburden and high clay walls above the new roads. The deep overburden typically dilutes the local geochemical patterns and can mask the bedrock geochemistry. As such a series of 19 till samples were collected for heavy mineral sampling and analysis. At each sample site enough till material was screened down to fill a large plastic sample bag measuring 12 inches by 20 inches was collected at each sample site to be hand panned, dried, and then analyzed by XRF at Barker's field office in Quesnel, B.C.

The HMA-01 to HMA-19 heavy mineral till samples were collected above and across the newly logged area in undisturbed areas, to determine if the steep slopes higher up in elevation have a better geochemical response than lower in elevation and throughout the Little River valley, possibly leading to sources of the high grade float boulders scattered throughout the broader Ace Property down-slope in lower elevations.

It is expected as sampling goes up into the higher elevation new roads that outcrop exposure will eventually be found and sampled for analysis in order to trace the local geochemical anomalies back to their bedrock sources.

Ace Property Soil Sample Summary

The 2023 soil samples in general were low in most elements which is typical for the Ace project area and what would be expected in the deep overburdened and glaciated environment.

The geochemical values of the soil samples were overall low in most elements however many samples had scattered low to moderate values of gold pathfinder minerals. Almost half of all samples were slightly to moderately anomalous in Arsenic which is associated with many samples of high grade gold float boulders down-slope. Copper and zinc were low in values with only a few scattered moderate values.

**GEOLOGICAL & GEOCHEMICAL
ASSESSMENT REPORT**

on the

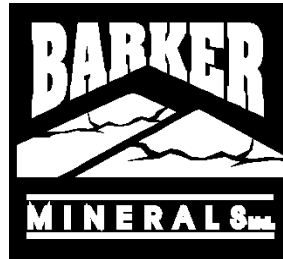
Ace Property

Cariboo Mining Division, British Columbia

The geographic coordinates of the Ace property are:
52.8° North Latitude and 121.1° West Longitude or
625986 E and 5851878 N UTM coordinates (NAD 83)

The relevant map is:
N.T.S. Map No. 93A/14

Work was done in tenure no. 1092643 (Pre-amalgamation)
Work was done in tenure no. 1106206 (Post-amalgamation)



for
Barker Minerals Ltd.
330 Valley Rd.
150 Mile House, B.C.
V0K 2G0

Prepared by:
Louis Doyle

March 1, 2024

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2.0 INTRODUCTION

This report describes assessment work performed in 2023 on Barker Minerals Ltd.'s Ace Property. The work was concentrated in the area of tenure no. 1092643 (pre-amalgamation) and tenure no. 1106206 (post-amalgamation). Soil samples and heavy mineral till samples were collected and then analyzed by X-ray fluorescence (XRF) for multiple elements. The purpose was to add geochemical information to the existing database and to identify potential mineralized horizons in the newly exposed road cuts in an on-going mineral exploration program.

The last 3 years of logging activities have opened up areas with over 25 kilometers of new roads and associated logged off areas in a highly prospective area. These road systems are the basis of a large scale 2023 soil, stream sediment and rock sampling program to help determine the bedrock origin of the original gold discovery on the Ace Property as many of the new access roads are located upslope from the original discovery area.

Definitions of technical terms used in this report are provided in Appendix A, Glossary of Technical Terms and Abbreviations. Geochemical abbreviations are used for the elements discussed. The elements and abbreviations are also in the Glossary:

3.0 PROPERTY DESCRIPTION and LOCATION

The Ace Property consists of contiguous claims listed in Table No. 1 – Ace Mineral Claims Details. The property's location in British Columbia is indicated in Figure No. 1 – Ace Property Location in British Columbia, and the mineral claims are outlined in Figure No. 2 – Barker Minerals Ltd. Mineral Claims.

The mineral claims comprising the property are located approximately 10.0 km east of the north end of Cariboo Lake in the Cariboo Mining Division in British Columbia and are 100% owned by Barker Minerals Ltd. of 150 Mile House, B.C. The property is approximately 35 km northeast of the settlement of Likely and 100 km northeast the City of Williams Lake. The City of Prince George is 160 km to the north.

The geographic coordinates of the Ace property are:
52.8° North Latitude and 121.1° West Longitude or
625986 E and 5851878 N UTM coordinates (NAD 83).

The relevant map is:
N.T.S. Map No. 93A/14.

4.0 MINERAL CLAIMS

Pre-amalgamation

<u>Tenure Number</u>	Owner No.	<u>Owner</u>		<u>Status</u>	<u>Area (ha)</u>
1066779	140410	Barker Minerals Ltd.	100%	Good	431.19
1092643	140410	Barker Minerals Ltd.	100%	Good	11,146.98
1092644	140410	Barker Minerals Ltd.	100%	Good	508.91

Total Area is **12,087.08 ha**

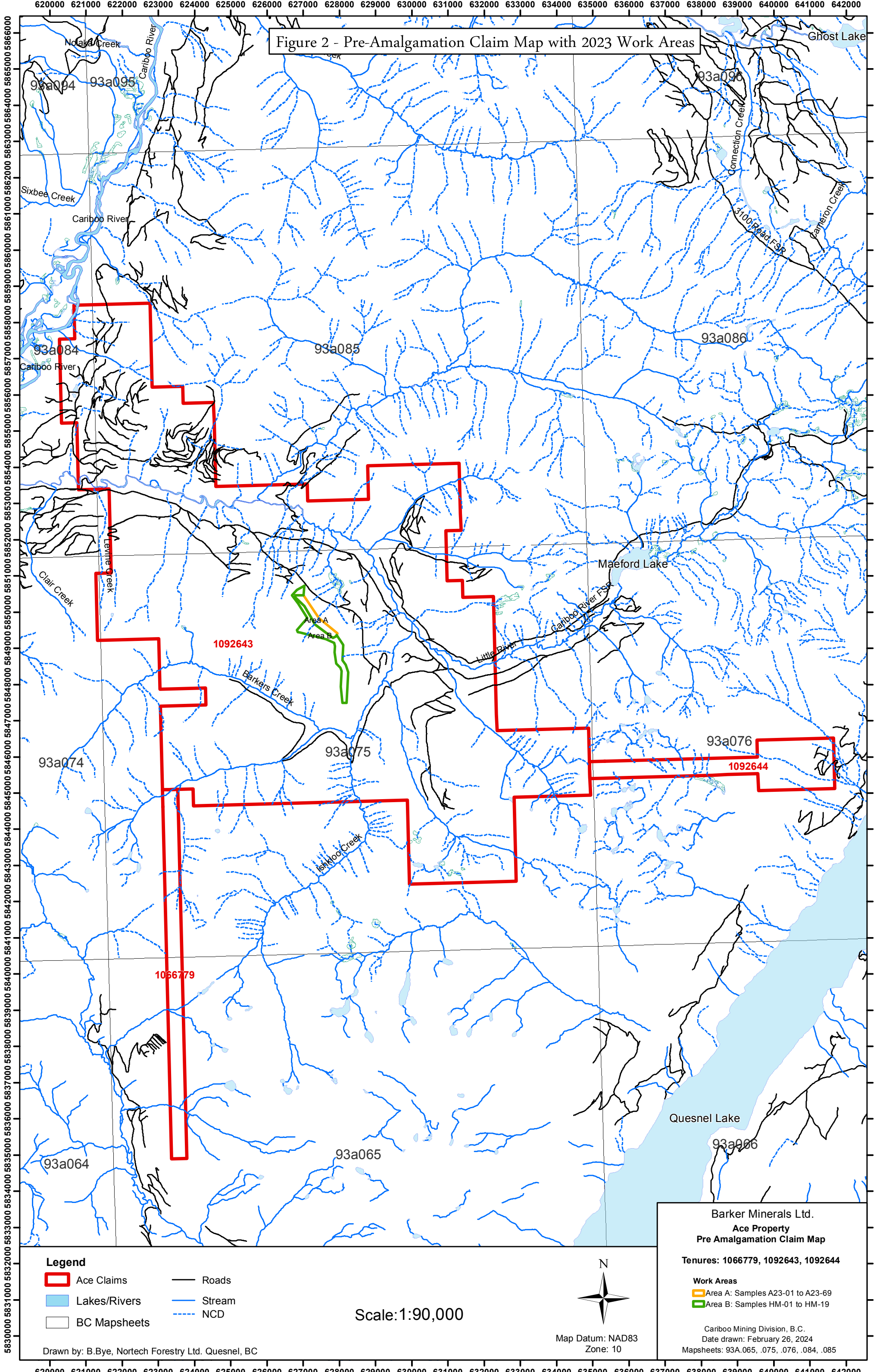
Post-amalgamation

<u>Tenure Number</u>	Owner No.	<u>Owner</u>		<u>Status</u>	<u>Area (ha)</u>
1106204	140410	Barker Minerals Ltd.	100%	Good	19.58
1106205	140410	Barker Minerals Ltd.	100%	Good	19.58
1106206	140410	Barker Minerals Ltd.	100%	Good	11,578.17
1106207	140410	Barker Minerals Ltd.	100%	Good	528.49

Total Area is **12,145.82 ha**

Table No. 1 – Ace Mineral Claim Details, Barker Minerals Ltd.

Figure 2 - Pre-Amalgamation Claim Map with 2023 Work Areas



- Legend**
- Ace Claims
 - Lakes/Rivers
 - BC Mapsheets
 - Roads
 - Stream
 - NCD

Scale: 1:90,000



Map Datum: NAD83
Zone: 10

Barker Minerals Ltd.
Ace Property
Pre Amalgamation Claim Map

Tenures: 1066779, 1092643, 1092644

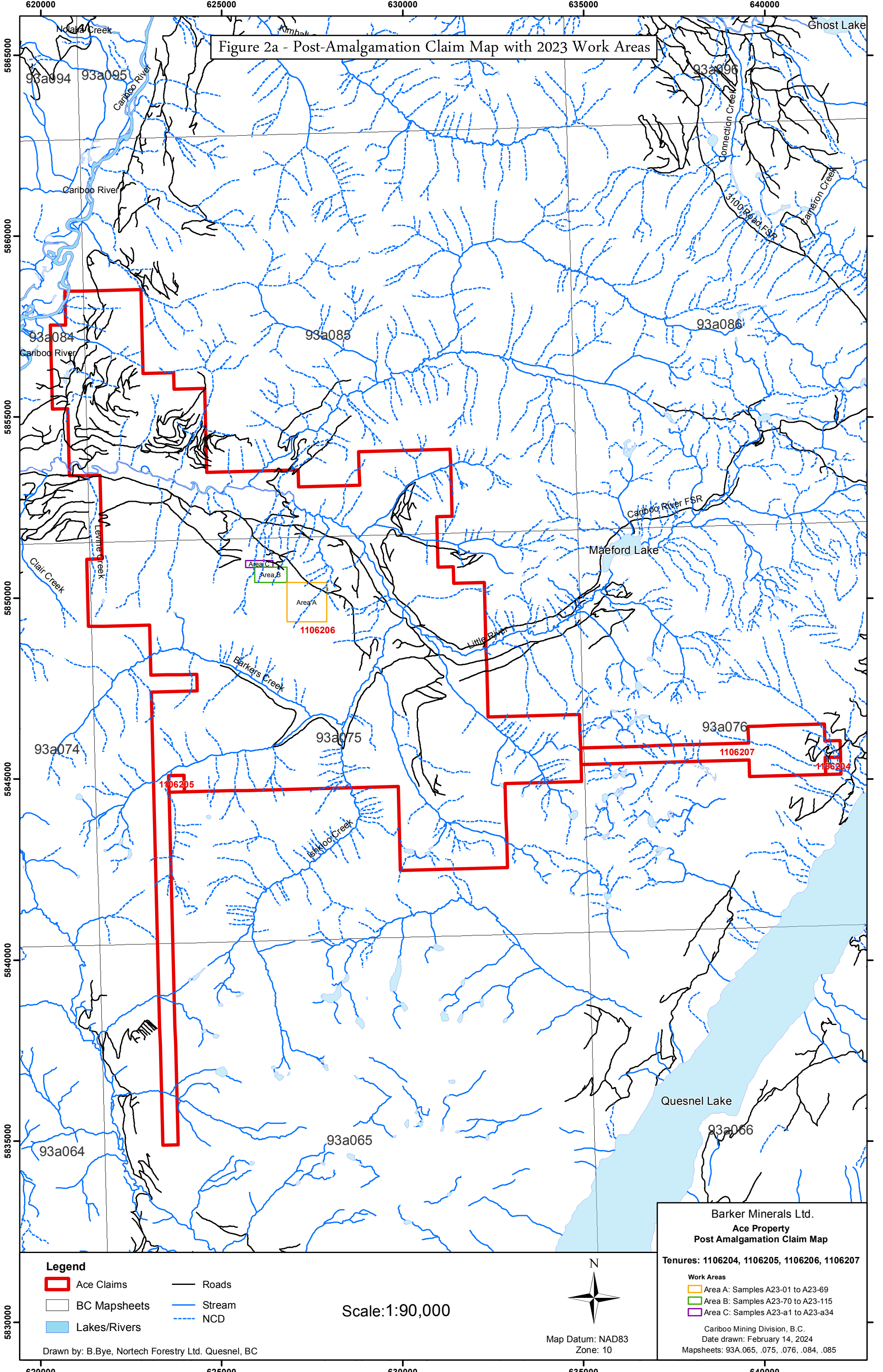
Work Areas

- Area A: Samples A23-01 to A23-69
- Area B: Samples HM-01 to HM-19

Cariboo Mining Division, B.C.
Date drawn: February 26, 2024
Mapsheets: 93A.065, .075, .076, .084, .085

Drawn by: B.Bye, Nortech Forestry Ltd. Quesnel, BC

Figure 2a - Post-Amalgamation Claim Map with 2023 Work Areas



Legend

- Ace Claims
- BC Mapsheets
- Lakes/Rivers
- Roads
- Stream
- NCD

Scale: 1:90,000



Map Datum: NAD83
Zone: 10

Barker Minerals Ltd.
Ace Property
Post Amalgamation Claim Map

Tenures: 1106204, 1106205, 1106206, 1106207

Work Areas

- Area A: Samples A23-01 to A23-69
- Area B: Samples A23-70 to A23-115
- Area C: Samples A23-a1 to A23-a34

Cariboo Mining Division, B.C.
Date drawn: February 14, 2024
Mapsheets: 93A.065, .075, .076, .084, .085

Drawn by: B.Bye, Nortech Forestry Ltd. Quesnel, BC

5.0 PHYSIOGRAPHY and ACCESSIBILITY

The following description in *italics*, is after McKinley, 2004:

The property is situated in the central part of the Quesnel Highland between the eastern edge of the Interior Plateau and the western foothills of the Columbia Mountains. This area contains rounded mountains that are transitional between the rolling plateaus to the west and the rugged Cariboo Mountains to the east. Pleistocene and Recent ice sheets flowed away from the high mountains to the east over these plateaus and down to the southwest (Cariboo River), west (Little River) and northeast (Quesnel Lake), carving U-shaped valleys. The elevation ranges from 700-1650 m.

Precipitation in the region is heavy, as rain in the summer and snow in the winter. Drainage is to the west via the Cariboo, Little and Quesnel Rivers to the Fraser River. Quesnel Lake, the main scenic and topographic feature in the region, is a deep, long, forked, glacier-carved lake with an outlet at 725 m elevation. Vegetation is old-growth spruce, fir, pine, hemlock and cedar forest in all but the alpine regions of the higher mountains (mainly above 1400 m elevation).

Access to the Ace property is via gravel logging roads bearing northeast from Likely. Figure No. 3 shows access roads from Likely to Barker's mineral properties.

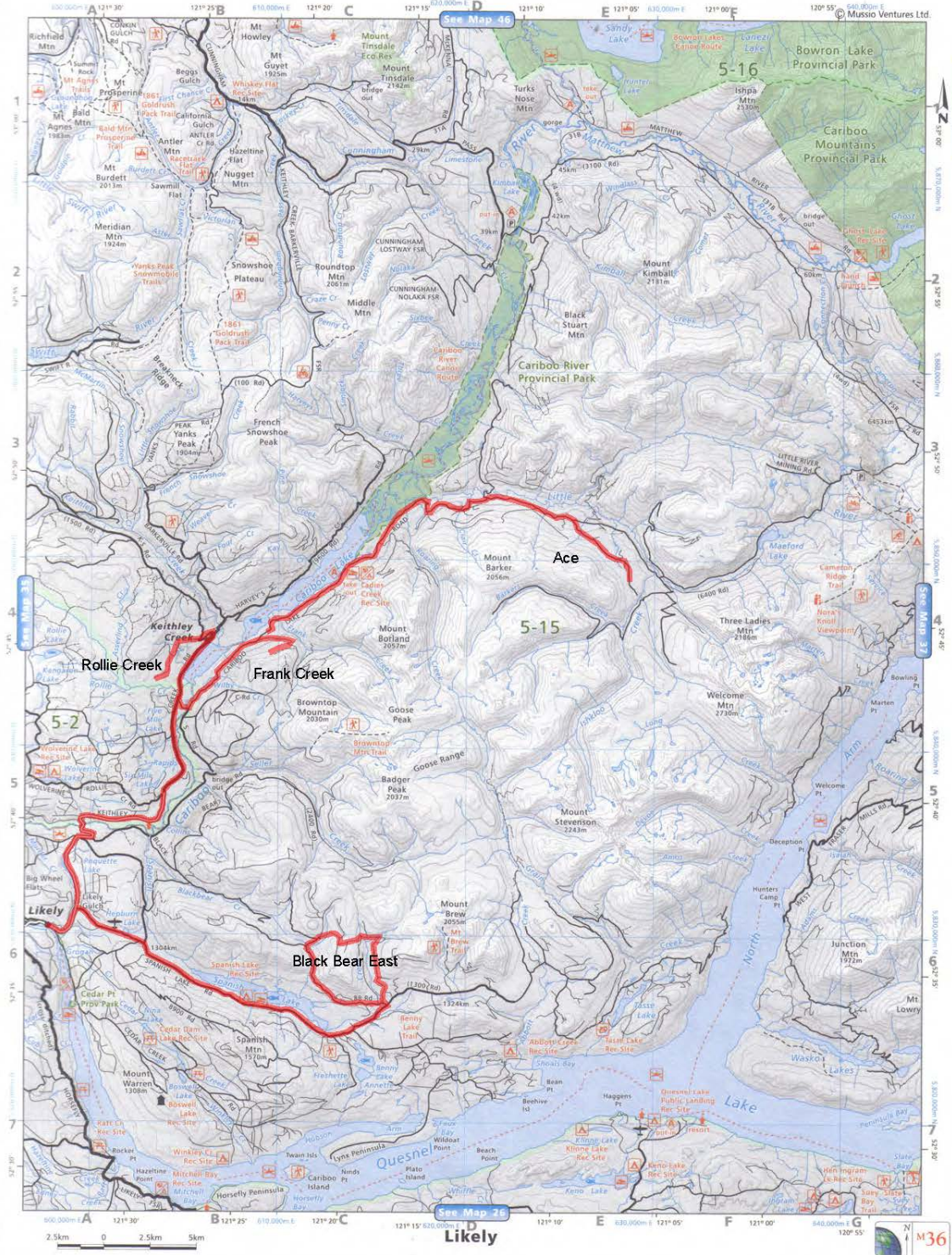


Figure No. 3 - Access roads from Lively to Barker Minerals' properties.

6.0 HISTORY

6.1 History of Work Done on the Ace Property

The Ace property has an extensive exploration work history beginning in 1980. There is no record of any mineral exploration work in the area of the current Ace property prior to 1980.

6.1.1 Work done in 1980

The relevant report is Assessment Report 9666 by M.G. Larsen.

“Huge boulders of well mineralized rock” were said to lie on a logged-off slope on the south side of Little River. Bornite, chalcopyrite, sphalerite and pyrite were noted in strongly metamorphosed sedimentary rocks.

6.1.2 Work done in 1993 - 1994

The relevant report is Assessment Report 23733 by H.P. Salat and C.A.R. Lammle.

Prospecting, geological mapping and stream silt and soil sampling were done on the Ace claims, owned by Barker Minerals Ltd. Prospecting by L.E. Doyle, later president of Barker Minerals Ltd., discovered coarse gold flakes in a rivulet on the north side of the ridge east of Mount Barker. The original sediment Sample No. 93-11-1001 from culvert #7, approximately 4.5 km up the F Road, assayed 129.0 g/t Au. Check Sample Nos. 93-11-1002 and 1003 from the same location as the original sample assayed 73.8 g/t and 41.8 g/t Au.

Outcrop was sparse but an extensive train of mineralized quartz vein float, up to 1 to 2 metres in size, and a few outcrops, often sulphide-rich, contained pyrite, pyrrhotite and arsenopyrite, with lesser chalcopyrite, bornite, galena and sphalerite. The quartz samples were often anomalous in Bi, Cu, Cr, As, Ag, Pb and Zn besides Au. Bi, Cu and Cr were considered the best pathfinders for Au in the quartz samples. Geochemical and assay results from samples of mineralized quartz float were:

<u>F Road</u> <u>sample no.</u>	<u>geochem or</u> <u>assay results</u>
1047	555 ppb Au
1085	505 ppb Au
1123	775 ppb Au
1160	22.03 g/t Au, 8.80% As
1162	1.02 g/t Au
1163	0.59 g/t Au
1187	990 ppb Au
1188	1,900 ppb Au
1345	1.76 g/t Au

Hardychuck (S) Road

<u>sample no.</u>	<u>assay results</u>
1261	18.8 g/t Au, 2,025 ppm Bi, 1,252 ppm Pb
1263	1.51 g/t Au
1280	10.70% Pb, 1.42% Zn

<u>sample no.</u>	<u>assay results</u>
1326	>10,000 ppm Pb, >10,000 ppm Zn
1327	0.19 g/t Au
1328	0.16 g/t Au
1329	0.19 g/t Au
1344	3,750 ppm Pb, 2,294 ppm Zn
1358	23.71 g/t Au
1359	1.13 g/t Au

At certain locations mineralized quartz veins in outcrop were discovered. Grab samples from these returned:

<u>sample no.</u>	<u>assay results</u>
1124	355 ppb Au

Slopes above end of F Road

<u>sample no.</u>	<u>assay results</u>
1148	0.41 g/t Au
1150	0.36 g/t Au

Colleen Road

<u>sample no.</u>	<u>assay results</u>
1287	1.52 g/t Au
1289	6.05 g/t Au

Main Cirque

<u>sample no.</u>	<u>assay results</u>
1176	140 ppb Au
1195	300 ppb Au
1196	425 ppb Au

The most prominent quartz vein in outcrop was at the site of Sample No. 1150 approximately 1.0 km uphill, SE of the highly anomalous stream sediment at culvert #7 on the F Road. Here a 0.5 m to 2.0 m wide rusty vein was observed to trend over 100 m.

Approximately 25 km of lines were cut and flagged for subsequent soil sampling. 750 soil samples were collected.

It was considered the quartz-related Au mineralization on the Ace property may be generally comparable with similar gold-bearing veins known at the Mosquito Creek and Cariboo Mountain gold mines and Island Mountain deposit in the Well-Barkerville area, 40 km to the NW. The similarities were:

Sulphide-rich quartz veins hosted in metamorphosed sediments in a similar geological setting. Bi, Ag and base metal sulphides with Au Cr-mica in alteration zones.

Comprehensive follow-up work was recommended.

6.1.3 Work done in 1995

The relevant report is Assessment Report 24286 by C.A.R. Lammle.

Prospecting, geological, petrographic, geochemical and geophysical work was done on the Ace claims by Barker Minerals Ltd.

Approximately 100 km of grid lines were cut and flagged and 1,780 soil samples were collected in the area of Colleen Road and the lower part of F road. 2,040 additional soils were collected to await analysis on a selective basis. Ground magnetometer and VLF-EM surveys were done over 109.7 line km.

The most significant geochemical and geophysical anomalies were assigned letters A to K, with the large "boron halo" feature given letter V. Individual magnetic anomalies varied from 200 m to 1,000 m in length and tended to parallel the NW-SE regional geological trend. Numerous electromagnetic conductors varying from 200 m to 600 m in length were defined.

Petrographic studies were done on several rock polished sections. Gold-bearing telluride minerals, bismuthenite, native bismuth and gold were observed in quartz in Sample No. 94-10-1358, the same sample from Colleen Road which assayed 23.71 g/t Au in the previous year's work. In this sample the volume of Au-Te and Au-Bi minerals were much higher than native gold. It was estimated that telluride minerals in the quartz was 100 times greater than that of native gold. It was suggested that the economic potential of Au in compounds with Te and Bi was probably higher than in native Au itself.

Further EM and soil sampling was recommended to complete the geophysical and geochemical surveys southeast toward the 1994 survey grid. Trenching and diamond drilling were also recommended.

6.1.4 Work done in 1996

The relevant report is Assessment Report 24988 by L.E. Doyle.

A magnetic survey was done on 8 placer claim units owned by Barker Minerals Ltd., situated in the west end of the Ace mineral claims, north of Mount Barker.

6.1.5 Work done in 1996

The relevant report is Assessment Report 24989 by C.A.R. Lammle, G.A. Shore & S.N. Roach.

600 fill-in soil samples were collected. Ground VLF-EM and magnetic surveys were done over 77.3 line km .

A conventional pole-dipole induced polarization (IP) geophysical survey was done over 26.4 line km.

A resistivity (3-D E-SCAN) survey was done around the location of culvert #7 on the F Road where coarse gold flakes were discovered in 1993. A shallow strong low resistivity anomaly, approximately 400 m x 400 m in area, was centered 1.5 km north of culvert #7 and occurred astride the quartz float train outlined in 1994. This was deemed to be a prime low resistivity anomaly worthy of follow-up, along with others, and it was recommended to enlarge the 3-D E-SCAN survey area and correlate the data with geological mapping before determining drill targets.

36 prospecting test pits and 280 metres of mechanical trenching were done. Rock samples from Test Pit 30 on F Road returned 1,065 ppb and 1,386 ppb Au. Rocks from trenches on Colleen and Hardychuck Roads had values up to 296 ppb and 213 ppb Au.

Further work was recommended to be done on the Ace property; this to include geological mapping, detailed stream sediment sampling and detailed mapping and sampling of existing trenches and 22 line km of detailed VLF-EM and magnetic surveys.

6.1.6 Work done in 1997

The relevant report is Assessment Report 25437 by J.G. Payne.

The Ace Grid was enlarged with 31.0 km of cut line. 11.9 km of magnetometer prospecting was done as a guide in locating trenches, 20 trenches (1,084 m total) were excavated, generally near the foot of Hardychuck Road, 343 rock chip and grab samples were collected, 336 soil samples, collected in 1996 on the periphery of the Ace grid, were analyzed in 1997, and stream sediment samples were collected.

Trenches exposed zones up to 10 m thick of semi-massive sulphide. Sample No. A97-50 on 'M Road' was quartz float with 6,420 ppb Au. The M Road is crossed by HLEM Conductor A, which would be discovered in the 2000 HLEM survey.

The rocks were considered to show many of the characteristics of the footwall rocks to a volcanogenic massive sulphide deposit. The major chargeability and resistivity anomaly which passes through the area of the main trenches and runs parallel with the host rocks was interpreted as being caused by a massive to semi-massive sulphide body at the top (northeast) side of a felsic rock unit. Drilling was recommended along the main zone of the felsic volcanic rocks.

6.1.7 Work done in 1998

The relevant report is Assessment Report 25904 by J.G. Payne.

Seven DDH holes (1,260 m) were drilled on the Ace property. Geological mapping was done. The 7 drill holes targeted conductivity, low resistivity and magnetic anomalies in a zone suspected to be underlain by the felsic rocks with a potential for massive sulphides.

An unspecified number of rock samples were collected in prospecting. Of 31 samples deemed anomalous on Table 1b of the assessment report, several sulphide-rich quartz floats were high in gold:

Sample no.	Au (ppb)	grid location
#148	9,130	16+75S 12+00 E at the foot of Jim Road
9821	14,620	13+50S 4+90E on main creek 500 m east of Colleen Road.

Other samples had >1,000 ppb Au or were highly anomalous in base metals or pathfinder elements. The common and widespread occurrence of sulphide-rich quartz float with high Au values were indications of a local source on the Ace property but the general lack of outcrop in the areas of most interest continued to challenge the discovery of bedrock sources.

Payne's opinion was that data from the 1998 work tended to confirm the presence of a volcanogenic massive sulphide environment associated with metamorphosed felsic volcanic rock along the trend of the quartz boulder field and the massive sulphides and gold-bearing quartz-sulphide veins were from the same geological environment. The area west of DDH 98-3 was considered to be a major exploration target. A broad geophysical anomaly in an area of 'felsite' rubble and abundant boulders of quartz veins anomalous in precious and base metals northeast of the 1998 drilling was also recommended for further exploration.

It was recommended to extend the geophysical and geochemical surveys east and west of the surveys along the axis of the main zone of the felsic volcanic rocks.

6.1.8 Work done in 2000

The relevant report is Assessment Report 26504 by J.G. Payne .

HLEM and magnetometer surveys were done to locate conductors that could be attributable to massive sulphide mineralization. Three conductors were discerned. Conductor A had a strike length of 1,200 m, was associated with a magnetic high and was open to the east. It was also associated with the main resistivity low anomaly from the 3-D E-SCAN survey of 1996. Conductor A crossed the M Road on which rock Sample No. A97-50 had 6,420 ppb Au in quartz float in 1997.

Sixteen float rock samples collected during prospecting were variously anomalous in precious, base and pathfinder elements. Sample No. 2106 had 4,100 ppb Au.

Geological mapping was recommended, especially in areas of potential felsic volcanic rocks that had not yet been examined. The HLEM anomalies were recommended to have a gravity survey done over them. It was anticipated that follow-up of this work would include trenching and diamond drilling.

6.1.9 Work done in 2001

The relevant report is Assessment Report 26805 by P.E. Walcott.

HLEM and gravity surveys were done on Ace property. The purpose of the HLEM survey was to better define existing EM anomalies. The gravity survey was to assist in the discrimination of graphitic and sulphide conductors, based on the premise that a conductor with an associated gravity anomaly could be attributed to a possible massive sulphide body. Several gravity anomalies were detected, some coincident with known conductors from the previous year's work. It was recommended that these gravity-conductor anomalies be investigated by drilling.

6.1.10 Work done in 2002

The relevant report is Assessment Report 27125 by L.E. Doyle.

Limited magnetic, HLEM and gravity surveys were continued at targeted areas.

Five DDH holes (646 m) were drilled . The small drill program, consisting of five widely spaced holes, tested only a few of the numerous geophysical, geochemical and geological targets on the property. Compilation of all existing data was recommended before further drilling would be proposed.

Expansion of the HLEM and gravity surveys along the strike of the favorable horizons in exploration for VMS massive sulphide mineralization was recommended.

6.1.11 Work done in 2003 - 2004

The relevant report is Assessment Report 27655 by L.E. Doyle.

Eleven trenches (428 m) were excavated, targeting magnetic, HLEM and geochemical anomalies. The most significant outcome of the trenching may have been the discovery of

'coticule' rocks, inferred to represent metamorphosed Mn exhalites formed around subaqueous hydrothermal systems and can provide a marker unit and guide for exploration.

Recommendations for further work included:

prospecting to be continued for mineralized boulders as well as 'coticule' rocks; further trenching to test geophysical and geochemical anomalies in the F Road area and in the eastern part of the property; a reconnaissance program including geological mapping and litho-geochemical sampling to include delimiting the area of the 'felsite' rocks and to improve understanding of the regional structure and local geology; soil sampling was recommended in specific areas. An enzyme leach geochemical technique was recommended to analyze soils due to its effectiveness to 'see through' deep glacial cover; a Titan-24 IP geophysical survey to be done over the eastern part of the Ace property; additional drilling was recommended at known zones of alteration.

6.1.12 Work done in 2014-2016

The relevant assessment reports are by Turna, R., dated February 18, 2015 (AR 35157), July 31, 2015 (AR 35468), November 30, 2015 [AR 35717] and March 15, 2016 (AR 36160) and May 1, 2016. and July 20, 2016

In 2014 (AR 35157), 80 rock samples were collected on the flanks of Mount Barker.

In 2015 (AR 35468), 32 rocks were sampled on the ridge east of the mountain and 85 rock and 96 stream samples were collected in the vicinity of F Road. Three rock samples had 10.00 ppm Au, 10.50 ppm Au and 23.07 ppm Au.

In follow up work (AR 35717), 189 rock and 364 soils were sampled on the F and 8400 Roads. Three soils had 9.46 ppm Au, 11.35 ppm Au, 9.81 ppm Au.

In follow up work (AR 36160), 53 stream samples were collected from streams and seeps crossing the F Road. Two streams had 11.45 ppm Au and 12.55 ppm Au.

In follow up (AR dated May 1, 2016) work 193 rock samples were collected above the F Road. Some of these had anomalous results in Zn.

Continued exploration was recommended for quartz vein and intrusion related mineralization.

6.1.13 Work done in 2017

The relevant report is Assessment Report 37329 by Rein Turna.

226 rock samples were collected off the 8400 Road and F Road. Seven rock samples had gold values of 9.73 ppm, 10.67 ppm, 10.81 ppm, 11.15 ppm, 11.27 ppm, 11.99 ppm and 21.61 ppm Au. Continued exploration was recommended in accordance with regard to a synthesis of all previous work done and recommendations.

6.1.14 Work done in 2018

Work performed in 2018 is described in Assessment Reports 37739 and 37999 both by Rein Turna. Both of these Assessment Reports describe rock sampling done in follow up to soils sampled previously.

Assessment Report 37739 describes the analysis results of 225 float rock samples collected during this program. Eight rock samples had highly anomalous gold values (10.02 ppm, 10.45 ppm, 10.50 ppm, 10.71 ppm, 11.39 ppm, 11.57 ppm, 11.59 ppm, and 12.06 ppm Au).

Assessment Report 37999 describes the analysis results of 264 float rock samples. Ten of the samples had high results in gold (847.90, 13.18, 12.85, 12.62, 11.93, 10.97, 10.37, 9.65, 9.49 and 9.14 ppm Au).

More intensive and extensive rock and soil sampling was recommended along with a synthesis of the extensive work history be made to guide future work programs on the Ace property.

6.1.15 Work done in 2019

Rock sampling was done off the F Road branch of the 8400 Road on the south side of Little River on the central portion of the Ace property. A total of 303 float rock samples from 101 locations were analysed. The economic target was gold in quartz veins or within the rocks hosting the veins. Zn and Cu results are plotted on the Figure Nos. 9 and 10 after page 22. These elements were chosen for the maps as they are often best pathfinder elements for Au, and were more frequently detected during the survey than other elements. "<LOD" signifies the result is below the level of detection.

Rock Sampling XRF Results:

Area A (For complete results see Appendix G)

111 rock samples from Area A were analyzed. None of the samples contained detectable gold. 29 of the samples had elevated results in Zn and/or Cu.

Area B (For complete results see Appendix G)

192 rock samples from Area B were analyzed. 66 of the samples had elevated results in Zn and/or Cu. Five of the samples contained gold. None of the samples containing Au had significantly elevated results in Zn or Cu. The five samples high in Au are listed below.

6.1.16 Work done in 2020 and 2021

Work performed in 2020 and 2021 on Barker Minerals Ltd.'s Ace property consisted of rock sampling programs on new logging roads and in newly logged areas with follow up XRF analysis. Three hundred and forty-seven in-situ float rock samples in the field were analyzed 3 times each during this program while Two hundred and twenty-two float rock samples

were collected in the field and analyzed by XRF at Barker's field office in Quesnel, B.C. This report describes the work done and associated geochemical results.

Twenty-one of the rock samples had highly anomalous gold values which are listed below. There appears to be no significant association of gold with any other elements. Previous petrographic studies on the Ace project determined that native gold was present as well as gold mineralization being associated with Bismuth and Tellurium elements.

The thirty-one samples high in Au are listed below.

<u>XRF No.</u>	<u>Au (ppm)</u>
3749	11.79
3768	10.48
3828	11.40
3905	25.86
3919	12.20
3927	9.94
3986	11.13
4105	10.41
4162	10.99
4186	20.46
4425	10.93
4455	11.12
4534	14.92
4544	10.95
4550	11.18
A2-1	9.81
A2-27	17.62
A2-28	12.55
A2-62	12.59
A2-145	10.54
A2-165	16.42

6.1.17 Work done 2022

Field work performed in the 2022 field season on Barker Minerals Ltd's. Ace Property consisted of soil and rock sampling programs on new logging roads, and in newly logged areas, which was followed up with XRF geochemical analysis. Samples were collected in the field and dried at Barker's field office in Quesnel, B.C. Once broken apart and dried the samples were then fine sieved through a series of fining down screen mesh sizes in preparation for analysis.

In order to get as much information from each sample location one hundred and three float rock samples were also collected within a metre from each of the soil samples. The new logging roads exposed deep overburden and high clay walls above the new roads.

Rock samples collected were chosen by the angularity of, and by the most common rock type in the immediate sample areas which are more likely to represent the underlying covered bedrock. It is expected as sampling goes up into the higher elevation new roads that outcrop exposure will eventually be found which can be then sampled for analysis.

Ace Float Rock Sample Summary

On the Ace Property gold has been proven to be associated mostly within quartz veins so the rock sample collection program had a focus on collecting as many quartz vein samples as possible when rock type choice allowed. Highly altered quartz rich rocks were also collected as they are proximal to the quartz veining locations identified in previous programs.

Most of the rock samples were quartz rich and are extremely weathered from glaciation and erosion over time. Many rocks are highly altered which would be expected as proximity to the intrusive host rock is approached nearer.

Ace float quartz rich schist samples have minor pyrite sometimes with magnetic pyrrhotite. The more altered and oxidized samples are non-magnetic and are a lighter rusty color. The odd sample was graphitic and dark black and also non-magnetic. Biotite is also present in a number of samples which also indicates higher temperatures and also close proximity to the main intrusive body.

Highly weathered diorite samples were found in a few locations which were blocky in nature and indicate proximity to bedrock. On the top of Mt, Barker gold bearing quartz veins occur in outcrop within diorite host rocks so these observations and findings are important to follow up on to locate their bedrock sources.

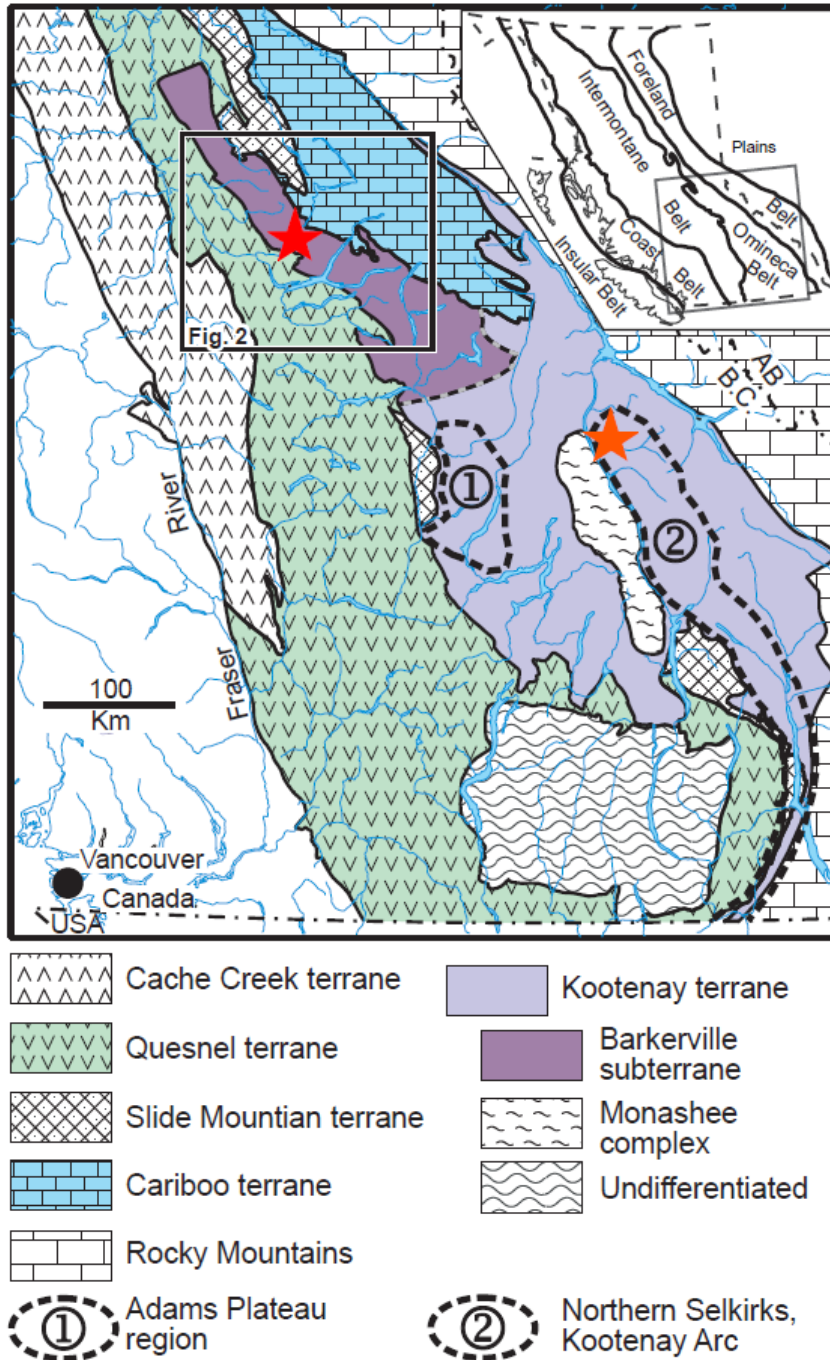
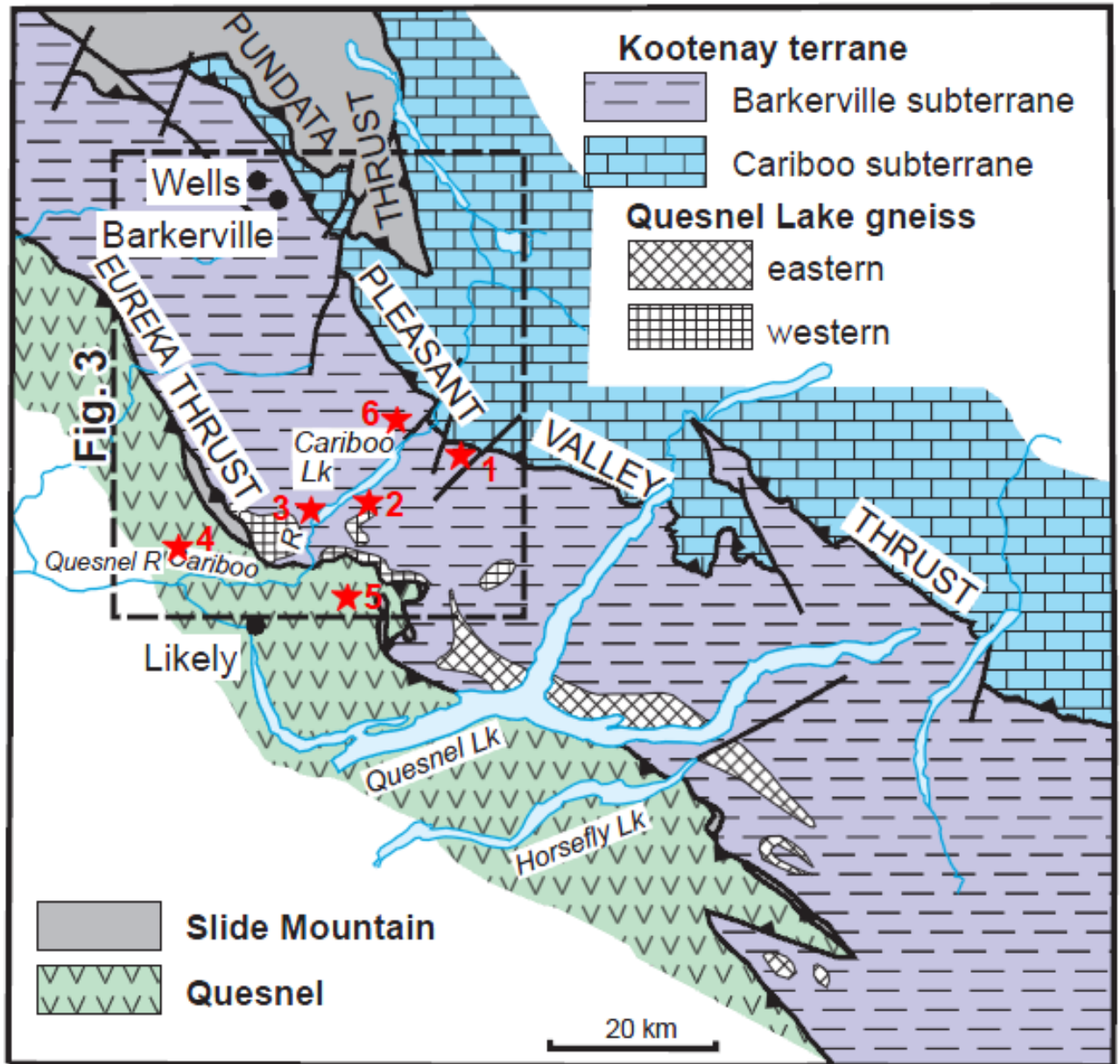


Figure No. 4 - Terrane Map of Southern British Columbia. Barker Minerals' properties are indicated by the red star over the Barkerville subterrane. The brown star to the SE is the Barkerville Gold Mine Ltd.' Goldstream volcanogenic massive sulphide deposit. Map is from Ferri, F. & Schiarizza, P., 2006.



- ★1 Ace
- ★2 Frank Ck
- ★3 Unlikely
- ★4 Kangaroo
- ★5 Black Bear East
- ★6 Simlock

Figure No. 5 - Terrane Map of Cariboo Lake – Wells Area. Several Barker Minerals' properties are indicated by red stars. Map is from Ferri, F. & Schiarizza, P., 2006.

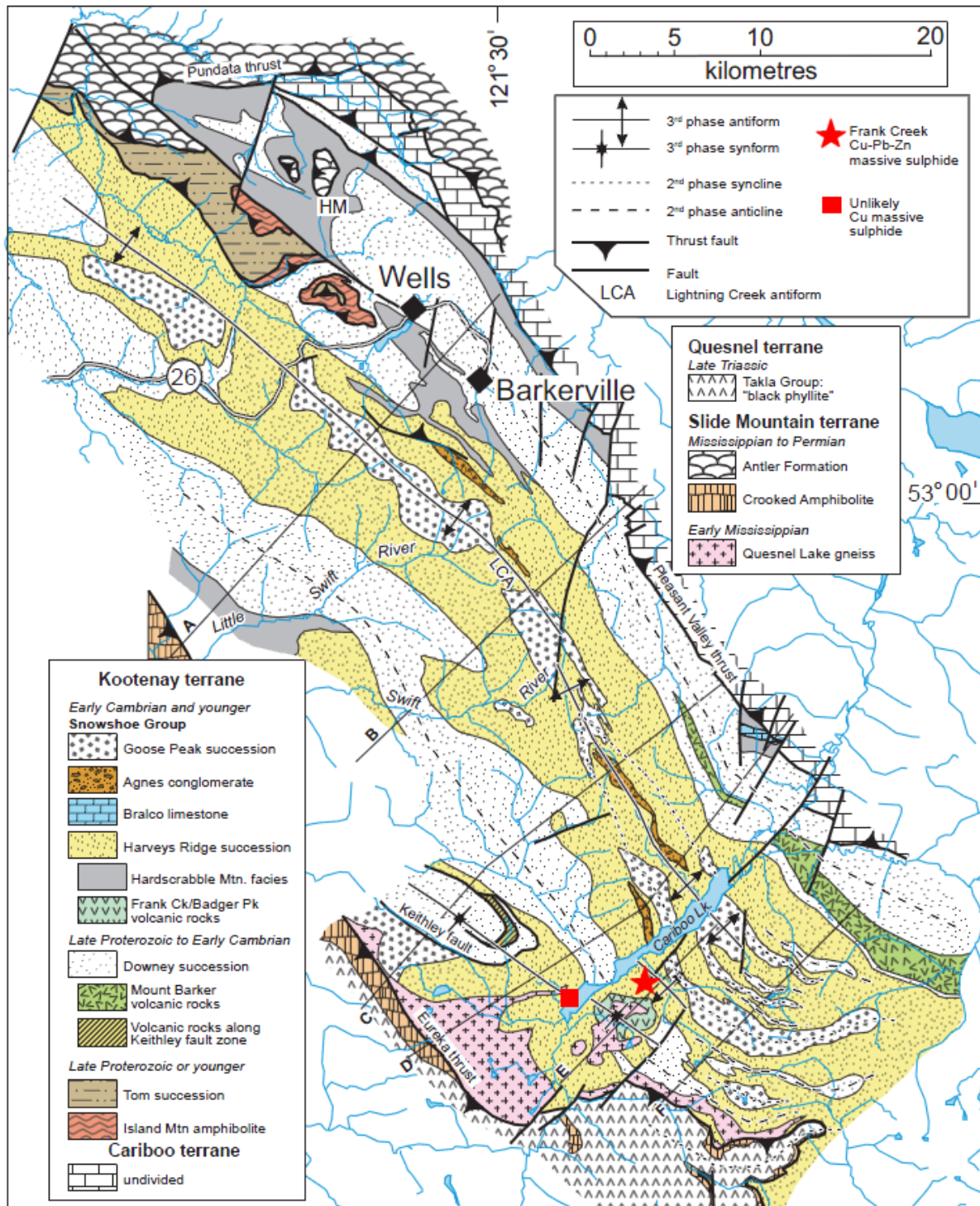


Figure No. 6 - Geology of Wells-Cariboo Lake area. Highlighted on the BCGS map are Barker Minerals' Frank Creek and Unlikely massive sulphide prospects. The Harveys Ridge succession consists of siltstone, quartzite and the Frank Creek volcanics. Map is from Ferri, F. & Schiarizza, P., 2006.

The geological descriptions below derive mainly from Struik (1988), Panteleyev et al. (1996) and Payne and Perry (2001).

During the mid-Jurassic the North American continental plate collided with a group of island arcs to the west. Regional deformation and metamorphism are related to these events.

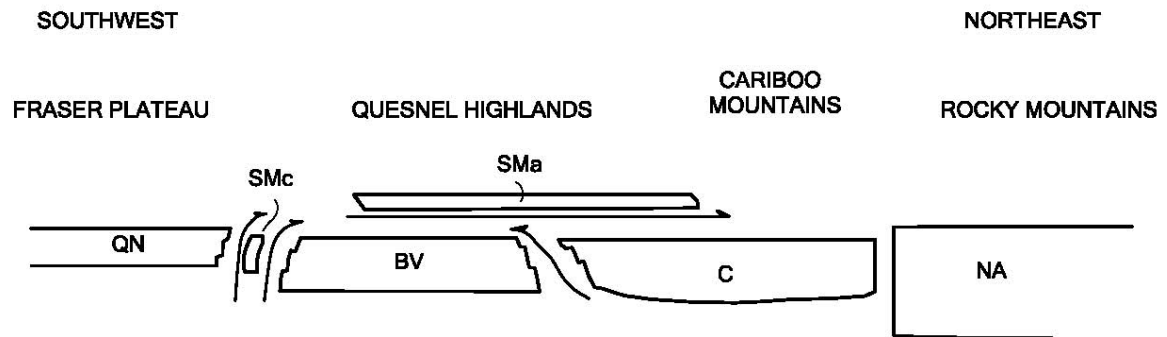


Figure No. 7 - Schematic regional structural section from southwest to northeast across the four Terranes in Barker Minerals' claims area, showing the relative structural position of the Terranes. The Terrane symbols are BV-Barkerville, C-Cariboo, Sma-Slide Mountain (Antler Formation), SMc-Slide Mountain (Crooked amphibolite), QN-Quesnel and NA-North American. (after Struik, 1988).

7.0 GEOLOGY

7.1 Regional Geology

Quesnel Terrane

The Late Triassic to Early Jurassic Quesnel Terrane...was accreted to the North American continent, in part by subduction and in part by obduction. The Eureka Thrust fault marks the boundary between the Quesnel and Barkerville terranes. The terrane is partly submarine and partly subaerial, consisting of volcanic and volcanoclastic rocks and co-magmatic intrusions, with minor carbonate lenses and related sedimentary rocks.

The principal assemblage in the Quesnel Terrane is the Triassic-Jurassic Nicola Group island arc – marginal basin sequence. The underlying rocks are the Crooked Amphibolite, part of the Slide Mountain assemblage, a mylonitized mafic and ultramafic unit of oceanic marginal basin volcanic and sedimentary rocks. Rocks of Quesnel Terrane and Crooked Amphibolite are structurally coupled and tectonically emplaced by the Eureka Thrust onto the Barkerville Terrane, to the east.

Two lithostratigraphic subdivisions of the Quesnel Terrane consists of: a basal Middle to Late Triassic metasedimentary unit of dominantly black phyllitic rocks, approximately 7 km

thick, and an overlying Late Triassic to Early Jurassic volcanic arc assemblage, approximately 9 km thick. The overlying volcanic rocks outline a northwesterly trending belt of subaqueous and subaerial volcanic rocks, deposited along a series of volcanic-intrusive centres that define the Quesnel island arc of predominantly alkalic basalts.

Within...the northern extension of the Quesnel Trough, the term...Takla Group has been applied to rocks identical to the Quesnel belt rocks...Equivalent rocks to the south...are generally referred to as Nicola Group...Baily (1978) pointed out the similarity of the Quesnel volcanic units with both the Nicola Group rocks to the south and the Takla Group rocks to the north...The term Takla leads to ambiguity because in northern British Columbia it has been used for rocks in both Quesnel and Stikine terranes...The usage for the Triassic-Jurassic volcanic arc and related rocks in Quesnellia currently preferred is Nicola Group. The term Takla Group possibly should be discarded... (Panteleyev et al., (1996).

The Quesnel Trough is a well-mineralized region typical of other Late Triassic to Early Jurassic volcano-plutonic island arcs in the Cordillera. It hosts a wide variety of mineral deposits. The principal recent exploration and economic development targets in the central Quesnel belt are alkalic intrusion-related porphyry copper-gold deposits and gold-bearing propylitic alteration zones formed in volcanic rocks peripheral to some of the intrusions. Other important targets are auriferous quartz veins in the black phyllite metasedimentary succession. The veins in some black phyllite members have potential to be mined as large tonnage, low-grade deposits. Tertiary rocks are mineralized with copper and gold. Antimony-arsenic and mercury mineralization in some apparently low temperature quartz-calcite veins indicated the potential for epithermal deposits. Placer mining for gold, said to occur together with platinum, has been of major historical and economic importance.

Slide Mountain Terrane

Rocks of the Devonian to Late Triassic Slide Mountain Terrane were partly obducted, partly subducted during collision of an oceanic plate with the continent. Small slices of mainly mafic volcanic rocks and ultramafic rocks of the Slide Mountain Terrane occur in and parallel to the Eureka thrust. Minor lithologies include chert, meta-siltstone and argillite.

The Crooked Amphibolite, considered to likely be a part of the Slide Mountain Terrane, includes three major constituent rock types: greenstone, metagabbro and meta-ultramafite. North of Quesnel Lake, the map units consist of mafic metavolcanics, amphibolite, chlorite schist, serpentinite, ultramafic rocks and pillow lavas. Chemical analyses indicate subalkaline tholeiitic compositions of basalts formed on the ocean floor. If the Crooked Amphibolite is a sheared and metamorphosed equivalent of the Antler Formation and is part of the Slide Mountain Terrane, it is separated from the underlying Barkerville Terrane by the Eureka Thrust, a wide zone of mylonitization. The Crooked amphibolite and the overlying rocks of Quesnel Terrane are structurally coupled and emplaced tectonically onto Barkerville Terrane.

Barkerville Terrane

The Barkerville Terrane is made up of the Snowshoe Group and Quesnel Lake gneiss. The Snowshoe Group rocks are Upper Proterozoic to Upper Devonian metasediments, considered correlative in age with the Eagle Bay Formation in the Kootenay Terrane to the south. The Snowshoe Group rocks are dominated by varieties of grit, quartzite, pelite.

limestone and volcanoclastic rocks. The stratigraphic sequence is not well understood. The region was deformed by intense, complex, in part isoclinal folding and overturning. Locally, strong shear deformation produced mylonitic textures. The Quesnel Lake Gneiss is a Devonian to Mississippian intrusive unit varying in composition from diorite to granite to syenite. It is generally coarse grained, leucocratic, often with megacrysts of potassium feldspar. The main body of gneiss is 30 km long by 3 km wide and is elongated parallel to the eastern border of the Intermontane belt. Its contacts are in part concordant with, and in part perpendicular to, metamorphic layering.

The contact between the Barkerville Terrane and Cariboo Terrane to the east is the Pleasant Valley Thrust. The Barkerville and Cariboo Terranes were juxtaposed prior to emplacement of the Slide Mountain Terrane which was thrust over both of them. The northeastern third of the Barkerville Terrane is the main zone of economic interest in the Cariboo district. Struik described it as “gold-enriched”, because it contains the historic Wells and Barkerville gold mines and the Cariboo Hudson deposit, approximately 40 km and 20 km northwest of the project area, respectively.

Cariboo Terrane

The northeastern part of Barker Minerals’ ‘Peripheral’ claim group is underlain by Precambrian to Permo-Triassic marine peri-cratonic sedimentary strata of the Cariboo terrane. The Cariboo Terrane consists mainly of limestone and dolomite with lesser siliceous, clastic, sedimentary rocks and argillite. Some geologists believe that the Cariboo Terrane is a shallow, near-shore facies and the Barkerville is a deeper, offshore facies of the same erosion-deposition system. No rifting is suspected between the Cariboo Terrane and the North American continent, in contrast to that between the Barkerville Terrane and the North American continent. Lithologies within the Cariboo Terrane correlate well with parts of the Classier Platform and Selwyn Basin of Yukon and northern British Columbia.

The Cariboo and Barkerville Terranes are separated by the regional Pleasant Valley Thrust fault, which dips moderately to steeply northeast. Struik (1988) states the Cariboo block was thrust from the east over the Barkerville block along a strike length of over 100 km. The Cariboo Terrane was cut by the Jurassic-Cretaceous Little River stock, a medium-grained granodiorite grading to quartz monzonite. Some of the carbonate layers in the lowest part of the Cariboo terrane (or upper part of the Barkerville Terrane) are enriched in zinc and lead. Since the 1970's, preliminary exploration on stratiform Zn-Pb targets has been conducted in this area.

Glaciation and glacial deposits

The last glacial stage that affected the Quesnel Highland, the Fraser glaciation, began 30,000 years ago. Much of this ice had melted by 10,000 years ago, but small remnants are preserved high in the alpine areas of the Cariboo Mountains. At lower elevations, glaciers of this age scoured the debris left by preceding ice advances, almost completely destroying them, leaving a chaotic assemblage of unsorted till, moraine and drift, with lenses of gravel and sand that had been roughly sorted by melt water and rivers, leaving behind beds of silt and clay that were stratified by settlement in ice-dammed lakes. In the Cariboo area, the debris covers bedrock in valleys below 1,700 m, leaving typical glacial features such as U-shaped valleys, ice-sculpted drumlins, moraine terraces and glacier and river benches. On the Barker Minerals properties, glacial deposits range from one to a few tens of metres thick. Some glacial till deposits are overlain by well-bedded glaciolacustrine clay and silt deposits up to a few tens of metres thick.

In much of the Cariboo district, a layer of distinctive, hard, compact, semi-rigid blue clay sits either on or slightly above bedrock and acts as “false” bedrock. It was formed from glacial drift left behind by the last ice advance prior to the Fraser glaciation and was compacted by the weight of the Fraser stage ice. In the placer-gold areas of the Cariboo, large amounts of gold were recovered from gravel resting on this clay. In places the clay layer was penetrated by the placer miners to reach richer “pay streaks” on true bedrock below.

7.2 Local Geology at Ace Area

The Ace property, and Little River area in general, are situated on the Barkerville Terrane which is in fault contact with the Cariboo Terrane to the northeast. The property is underlain by the Palaeozoic Downey succession of the Snowshoe Group. The Downey succession consists of micaceous quartzite, phyllite and schist, with some marble and amphibolite.

The Ace property is underlain by a sequence of metamorphosed and strongly deformed sedimentary and possibly intermediate volcanic rocks. The most prevalent lithologies are quartz-feldspar-muscovite-chlorite±biotite±garnet-bearing schists. Notable as well, is a thick, pyrite and pyrrhotite-rich graphitic layer. Black, locally graphitic phyllites, containing pyrite and pyrrhotite, occur on lower slopes. Calcareous argillite, quartzite and limestone are also present but are poorly exposed.

All rock formations in the area have experienced greenschist facies metamorphism. Metamorphic grade increases toward the southeast. All the rocks show at least one foliation or pervasive cleavage. The original bedding is rarely evident and relationships between units are difficult to determine.

8.0 EXPLORATION PROGRAM, 2023

8.1 Sampling Method and Approach

Soil samples collected, were processed and analyzed for multiple elements using the Niton XL3t handheld X-ray fluorescence analyzer from Thermo Scientific Inc. Further information on this instrument is at the Niton website <http://www.niton.com/en/niton-analyzers-products/xl3/xl3t>. An overview of sample analysis using energy dispersive X-ray fluorescence (EDXRF), adapted from the Niton website, is in Appendix B.

Coordinates were collected at all sample locations. The coordinates are provided in Appendix F. Barren granite was used for calibration of the XRF analyzer.

The XRF analysis method does not replace laboratory assay. It detects the presence or absence of multiple elements in prospecting and, up to a certain point, the intensity of mineralization and correlation among elements in a specimen. The XRF is very useful in analysis for base economic and pathfinder metals though Au needs to be in relatively high grade in order to be detected by the XRF.

8.2 Economic Targets and Work Done

The economic target is gold in quartz veins or within the rocks hosting the veins.

Field work performed in the 2023 field season on Barker Minerals Ltd's. Ace property consisted of the collections of one hundred and forty eight soil, and 19 heavy mineral clay till samples, on new logging roads and in newly logged areas, which were then followed up with XRF geochemical analysis.

During the pre-amalgamation, before July 22, 2023, of the mineral claims there were sixty nine soil, and nineteen heavy mineral till samples collected in the field to be dried and processed at Barker's field office in Quesnel, B.C. (See Figure 8, located after page 27)

During the post-amalgamation, after July 22, 2023, there were an additional seventy nine soil and clay till samples collected that were also taken to Barker's field office in Quesnel, B.C. for processing and follow up geochemical analysis. (See Appendix G)

Once the samples were broken apart and dried all the samples that were collected both pre-amalgamation and post-amalgamation samples were then fine sieved through a series of screen mesh sizes in preparation for analysis. The soil samples were located in an area of widespread deep overburden so a larger than normal amount of sample material was collected in order to get as much fine fraction material to provide the best opportunity to get more representative geochemical results.

For soil sample collecting a plastic sample bag of soil or clay material measuring 12 inches by 20 inches was collected at each sample site to be dried, screened and then analyzed by XRF at Barker's field office in Quesnel, B.C.

At each heavy mineral till sample site enough till material was screened down in the field to fill a plastic sample bag measuring 12 inches by 20 inches to then be hand panned, dried, and analyzed by XRF at Barker's field office in Quesnel, B.C.

Ace Soil Sample Summary

The 2023 soil samples in general were low in most elements which is what would be expected in the deep overburdened and glaciated environment. However, many samples had scattered values of gold pathfinder minerals. Almost half of all samples were slightly to moderately anomalous in Arsenic which is associated with many samples of high grade gold float boulders down-slope. Copper and zinc were low in values with only a few scattered moderate values.

Ace Till Samples

Like most of the Ace property and surrounding area the new logging roads exposed deep overburden and high clay walls above the new roads. The deep overburden typically dilutes the local geochemical patterns and can mask the bedrock geochemistry. As such a series of nineteen till samples were collected for heavy mineral sampling and analysis. Like the soil samples in general the till sample results were low in most elements which is what would be also expected in the deep overburdened and glaciated environment. However, many samples had scattered values of gold pathfinder minerals for future follow up when integrated with past surveys and studies on the Ace project.

9.0 CONCLUSIONS

The 2023 soil and clay till samples in general were low in most elements which is what would be expected in the deep overburdened and glaciated environment. In the past it is the geochemical patterns in the surveys which have been the most effective at locating the best targets for follow up.

The sample areas with anomalous arsenic should be prioritized in the future programs. The locations of these samples should be followed up by more intensive and extensive rock, till, stream sediment and soil sampling, as well as outcrop wherever it can be found. Due to the deep overburden future sampling should include profiled till samples to depth, or samples taken from hand dug pits, in order to get a better reflection of geochemical patterns nearer the buried bedrock below.

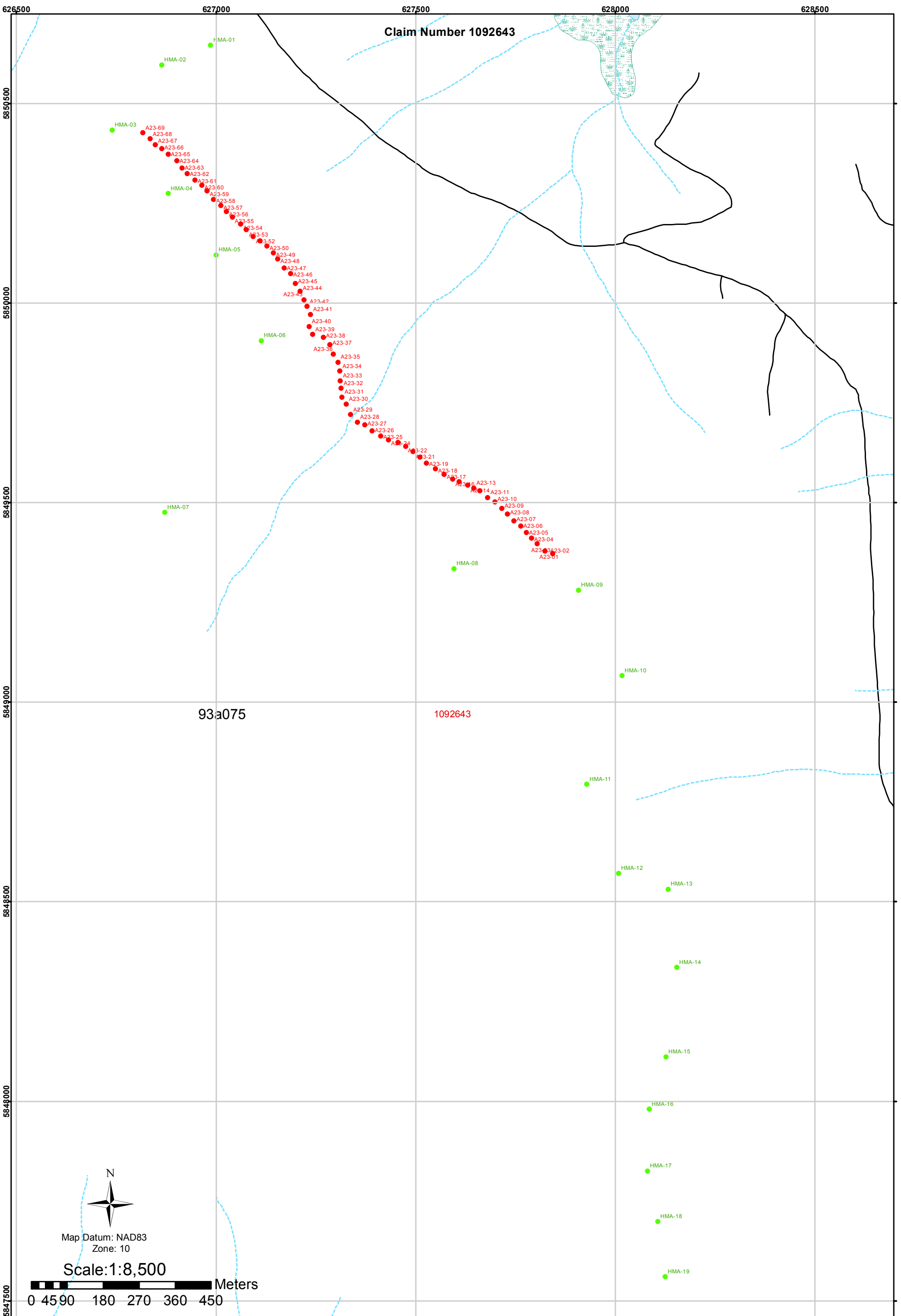
Historic work in the Ace Property area determined gold occurs in quartz veins on the property. The 2023 sampling program was of limited scope. The previous elevated gold values on the property were not accompanied by elevated results in the elements deemed to be possible

pathfinders, (zinc and copper). This suggests that most gold that may occur in host veins as a single native metal, it may be less associated with arsenic and rare telluride minerals which have been confirmed to be associated with gold in previous petrographic studies and analysis of gold rich samples on the Ace project.

10.0 RECOMMENDATIONS

More intensive and extensive rock and soil sampling is recommended to follow up the anomalous gold and gold pathfinder minerals results from the 2023 program and to extend sample coverage on the new road systems and logged off areas in order to identify areas of interest to follow up on. A synthesis of the historical work should be done along with work recommended by the previous programs in order to help plan the future stages of exploration.

As systematic sampling of the new road systems are conducted it is expected that outcrops will eventually be found exposed on some of the new roads on the north slope of Mt. Barker. Heavy mineral samples should be collected as deep down in the till as possible in the most clay rich areas of the new road systems. Stream sediment sampling should be conducted on all the newly exposed seasonal drainages and creeks. Due to the deep and extensive overburden sample collected should be of a large enough size in order to identify the local geochemical patterns which may reflect important bedrock mineralization below. Once bedrock exposure is found it should be sampled thoroughly in detail to assist in vectoring in to potential gold rich, or gold pathfinder, mineralized zones.



Claim Number 1092643

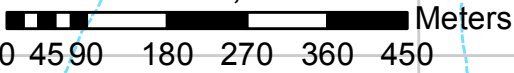
93A075

1092643



Map Datum: NAD83
Zone: 10

Scale: 1:8,500



- Legend**
- A23 Sample Locations
 - HM Sample Locations
 - Ace Claims
 - BC Mapsheets
 - Lakes/Rivers
 - Stream
 - NCD
 - Roads
- Drawn by: B.Bye, Nortech Forestry Ltd. Quesnel, BC

Barker Minerals Ltd.
**Ace Property
Pre-amalgamation Map
Soil Sample Locations**

Cariboo Mining Division, B.C.
Date: February 26, 2024 Mapsheet: 93A075
Claim Number: 1092643

APPENDIX A

Glossary of Technical Terms and Abbreviations

Ag	Silver.
Anomalous	Chemical and mineralogical changes and higher than typical background values in elements in a rock resulting from reaction with hydrothermal fluids or increase in pressure or temperature.
Anomaly	The geographical area corresponding to anomalous geochemical or geophysical values.
As	Arsenic.
Au	Gold.
Background	The typical concentration of an element or geophysical response in an area, generally referring to values below some threshold level, above which values are designated as anomalous.
BCGS	British Columbia Geological Survey.
B.C. MEMPR	British Columbia Ministry of energy Mines and Petroleum Resources.
Bi	Bismuth.
Cd	Cadmium.
cm	Centimetre.
Co	Cobalt.
Cu	Copper.
Cratonic	Pertaining to a craton, an old part of the continental crust, generally making up the interior portion of a continent such as North America.
DCIP	An electrical method which uses the injection of current and the measurement of voltage and its rate of decay to determine the subsurface resistivity and chargeability.
DDH	Diamond drill hole.
eg.	<i>exempli grātiā</i> (for the sake of example).
EM	Electromagnetic.
E-W	East-West.
F	Fluorine.
Float	Loose rocks or boulders; the location of the bedrock source is not known.

GBC	Geoscience British Columbia.
Grab sample	A sample of a single rock or selected rock chips collected from within a restricted area of interest.
GSC	Geological Survey of Canada.
g/t	Grams per tonne (metric tonne). 34.29 g/t (metric tonnes) = 1.00 oz/T (short tons).
Ha	Hectare - an area totalling 10,000 square metres, e.g., an area 100 metres by 100 metres.
Heavy mineral concentrate	A 10 kg sample is sieved and submitted to heavy liquid separation. The resultant heaviest concentrate is then separated into magnetic and non-magnetic portions. These are then examined under microscope or assayed.
Hg	Mercury.
HLEM	Horizontal loop electromagnetic.
Intrusive	A magmatic rock that cuts into and alters older rocks and may be the source of minerals deposited into the rocks intruded, creating skarn or porphyry type mineral deposits.
IP	Induced polarization geophysical survey.
kg	Kilogram.
km	Kilometre.
lb.	Pound.
Leucocratic	Light-coloured.
<LOD	Below the level of detection.
m	Metre.
Max-Min	An HLEM technique to test for resistivity and conductivity of rocks.
µm	Micron, micro-metre, one millionth of a metre.
Mn	Manganese.
Mo	Molybdenum.
MT	Magnetotelluric. A electrical method that uses natural variations in the Earth's magnetic field to induce electric current in the ground to determine the subsurface resistivity.

my	Million years.
NE-SW	Northeast-Southwest.
NNW-SSE	North northwest – South southeast.
NW	Northwest.
NW-SE	Northwest - Southeast.
N-S	North-South.
OF	Open File.
Orogenic	The physical manifestations of the process of mountain building. Orogens are usually long, thin, arcuate tracts of rock that are geologically active and have a pronounced linear structure resulting in terranes.
oz.	Ounce.
oz/st	ounces per short ton (Imperial measurement, same as oz/T). 34.29 g/t (metric tonnes) = 1.00 oz/st (short tons).
oz/T	ounces per ton (Imperial measurement). 34.29 g/t (metric tonnes) = 1.00 oz/T (short tons).
Pathfinder	A metallic element associated with an ore element such as silver or gold. Areas of anomalous “pathfinder” elements can suggest the possible presence of ore elements though the latter may not be detected initially.
Pb	Lead.
Porphyry	A deposit where primarily Cu-bearing minerals occur in disseminated grains or veinlets through a large volume of rock within or in close association with intrusive igneous rocks. Au and Mo are also important products of porphyry deposits.
Potassic alteration	Typical of porphyry copper and lode gold deposits, results in production of micaceous, potassic minerals such as biotite in iron-rich rocks, muscovite mica or sericite in felsic rocks, and orthoclase (adularia) alteration, often quite pervasive and producing distinct salmon-pink alteration zones.
ppb	Parts per billion.
ppm	Parts per million (1 ppm = 1,000 ppb = 1 g/t).
Propylitic alteration	Alteration of rocks due to hot fluids that have a high sodium ion composition. It typically results in epidote–chlorite-albite alteration with pyrite.
Protolith	The original rock before it was metamorphosed.

QUEST	Quesnellia Exploration Strategy, a BCGS geophysical survey.
Sedex	Sedimentary-exhalative mineral deposit type.
SE	Southeast.
Skarn	Forms by chemical metasomatism of rocks in the contact zone of intrusive rocks with rocks often containing carbonate minerals. Skarns in the igneous environment are associated with hornfels and wider zones of calc-silicate rocks. Skarns are often hosts for copper, lead, zinc, iron, gold, molybdenum, tin, and tungsten ore deposits.
Sb	Antimony.
Talus	A collection of rock fragments at the base of crags or mountain cliffs, that has accumulated through rockfall from adjacent cliff faces. Also called scree.
Te	Tellurium.
TEM or TDEM	Time Domain EM.
Tensor-magnetotelluric	See MT.
Terrain	An arbitrarily defined geographic location.
Terrane	A major crustal block with a particular geologic history.
Tholeiitic	A type of basalt. The most common volcanic rocks on Earth, produced by submarine volcanism at mid-ocean ridges and make up much of the ocean crust. Chemically, these basalts have been described as subalkaline, that is, they contain less (Na_2O plus K_2O) at similar SiO_2 than alkali basalt.
TRIM	Terrain Resource Information Management, series of 1:20,000 scale maps.
VLF	Very low frequency.
VLF-EM	Very low frequency electromagnetic.
VMS	Volcanic-related massive sulphide.
VHMS	Volcanic-hosted massive sulphide. Same as VMS.
XRF	X-ray florescence.
Zn	Zinc.

APPENDIX B

Analytical Methods

Overview of sample analysis using energy dispersive X-ray fluorescence using the Thermo Scientific Niton XL3t handheld XRF analyzer

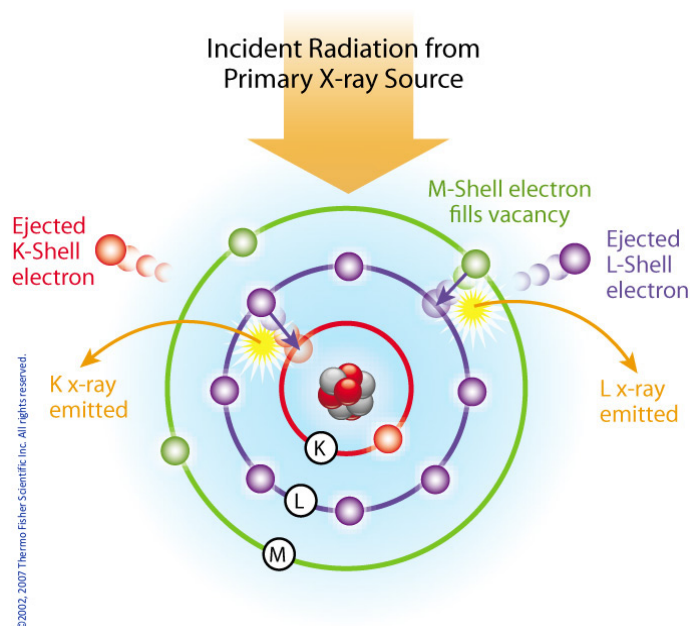
Thermo Scientific portable energy-dispersive x-ray fluorescence (EDXRF) analyzers, commonly known as XRF analyzers, can quickly and nondestructively determine the elemental composition of metal and precious metal samples of rocks, ore and soil.

Up to 40 elements may be analyzed simultaneously by measuring the characteristic fluorescence x-rays emitted by a sample. XRF analyzers can quantify elements ranging from magnesium (Mg - element 12) through uranium (U - element 92) and measure x-ray energies from 1.25 keV up to 85 keV in the case of Pb K-shell fluorescent x-rays excited with a ^{109}Cd isotope. These instruments also measure the elastic (Rayleigh) and inelastic (Compton) scatter x-rays emitted by the sample during each measurement to determine, among other things, the approximate density and percentage of the light elements in the sample.

Elemental Analysis - A Unique Set of Fingerprints

How does XRF work? Each of the elements present in a sample produces a unique set of characteristic x-rays that is a "fingerprint" for that specific element. XRF analyzers determine the chemistry of a sample by measuring the spectrum of the characteristic x-ray emitted by the different elements in the sample when it is illuminated by x-rays. These x-rays are emitted either from a miniaturized x-ray tube, or from a small, sealed capsule of radioactive material.

1. A fluorescent x-ray is created when an x-ray of sufficient energy strikes an atom in the sample, dislodging an electron from one of the atom's inner orbital shells.
2. The atom regains stability, filling the vacancy left in the inner orbital shell with an electron from one of the atom's higher energy orbital shells.
3. The electron drops to the lower energy state by releasing a fluorescent x-ray, and the energy of this x-ray is equal to the specific difference in energy between two quantum states of the electron.



Atom emits characteristic X-rays when illuminated by x-rays from a primary source.

When a sample is measured using XRF, each element present in the sample emits its own unique fluorescent x-ray energy spectrum. By simultaneously measuring the fluorescent x-rays emitted by the different elements in the sample, the Thermo Scientific portable XRF analyzers can rapidly determine those elements present in the sample and their relative concentrations - in other words, the elemental chemistry of the sample.



Overview of the Thermo Scientific Niton XL3t handheld XRF analyzer.

APPENDIX C

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Reports listed below which are Assessment Reports are available for free download from the BC Geological Survey (BCGS) Assessment Report Indexing System (ARIS) at the Ministry of Energy, Mines and Petroleum Resources' website. www.empr.gov.bc.ca/Mining/Geoscience/ARIS

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APPENDIX D

STATEMENT of AUTHOR'S QUALIFICATIONS

This report was prepared by Louis E. Doyle, Prospector, who has 27 years experience prospecting and managing exploration projects in the Cariboo Region of British Columbia.

APPENDIX E

Statement of Expenditures

Barker Minerals Ltd.

Work was completed between June 1, 2023 to July 19, 2023

Work was done on claim # 1092643 (Pre-amalgamation)

Event # 5990930

Ace Property - Geological - Office

	Date	Days	Rate	Sub-total
Louis Doyle				
Planning & managing		1	\$ 600.00	\$ 600.00
Room & board		1	\$ 100.00	\$ 100.00
				<u>\$ 700.00</u>

Ace Property - Geological - Field

Louis Doyle				
Soil sample collection	June 18, 2023	1	\$ 600.00	\$ 600.00
Soil sample collection	June 19, 2023	1	\$ 600.00	\$ 600.00
Soil sample collection	June 20, 2023	1	\$ 600.00	\$ 600.00
Soil sample collection	June 21, 2023	1	\$ 600.00	\$ 600.00
Soil sample collection	June 22, 2023	1	\$ 600.00	\$ 600.00
Vehicle & gas		5	\$ 150.00	\$ 750.00
Room & board		5	\$ 100.00	\$ 500.00
Colleen Doyle				
Soil sample collection	June 18, 2023	1	\$ 300.00	\$ 300.00
Soil sample collection	June 19, 2023	1	\$ 300.00	\$ 300.00
Soil sample collection	June 20, 2023	1	\$ 300.00	\$ 300.00
Soil sample collection	June 21, 2023	1	\$ 300.00	\$ 300.00
Soil sample collection	June 22, 2023	1	\$ 300.00	\$ 300.00
Room & board		5	\$ 100.00	\$ 500.00
Louis Doyle				
Heavy metal soil sample collection	June 23, 2023	1	\$ 600.00	\$ 600.00
Heavy metal soil sample collection	June 24, 2023	1	\$ 600.00	\$ 600.00
Heavy metal soil sample collection	June 25, 2023	1	\$ 600.00	\$ 600.00
Heavy metal soil sample collection	June 26, 2023	1	\$ 600.00	\$ 600.00
Vehicle & gas		4	\$ 150.00	\$ 600.00
Room & board		4	\$ 100.00	\$ 400.00
Colleen Doyle				
Heavy metal soil sample collection	June 23, 2023	1	\$ 300.00	\$ 300.00
Heavy metal soil sample collection	June 24, 2023	1	\$ 300.00	\$ 300.00
Heavy metal soil sample collection	June 25, 2023	1	\$ 300.00	\$ 300.00
Heavy metal soil sample collection	June 26, 2023	1	\$ 300.00	\$ 300.00
Room & board		4	\$ 100.00	\$ 400.00
				<u>\$ 11,250.00</u>

Barker Minerals Ltd.
Work was completed between June 1, 2023 to July 19, 2023
Work was done on claim # 1092643 (Pre-amalgamation)
Event # 5990930

Ace Property - Geochemical - Camp

Louis Doyle

Soil sample prep	July 4, 2023	1	\$	600.00	\$	600.00
Soil sample prep	July 5, 2023	1	\$	600.00	\$	600.00
Heavy metal soil sample prep	July 6, 2023	1	\$	600.00	\$	600.00
Heavy metal soil sample prep	July 7, 2023	1	\$	600.00	\$	600.00
Room & board		4	\$	100.00	\$	400.00
						\$ 2,800.00

Ace Property - Travel

Louis Doyle

Travel in/out	June 17, 2023	1	\$	600.00	\$	600.00
Travel in/out	June 27, 2023	1	\$	600.00	\$	600.00
Room & board		2	\$	100.00	\$	200.00
Vehicle & gas		2	\$	150.00	\$	300.00

Colleen Doyle

Travel in/out	June 17, 2023	1	\$	300.00	\$	300.00
Travel in/out	June 27, 2023	1	\$	300.00	\$	300.00
Room & board		2	\$	100.00	\$	200.00
						\$ 2,500.00

Ace Property - Misc. expenditures

Safety equipment (MTC), exploration supplies & equipment, communication devices & quad

Exploration supplies & equipment					\$	175.00
First aid equipment		9	\$	50.00	\$	450.00
Quad rental		9	\$	100.00	\$	900.00

Communication devices

Hand held radios, satellite phones & SPOT locators		9	\$	24.00	\$	216.00
						Sub-total \$ 1,741.00

Ace Property Expenditure Summary

Geological Office	Sub-total	\$	700.00
Geological - Soils - Field	Sub-total	\$	11,250.00
Geochemical - Soil sample prep - Camp	Sub-total	\$	2,800.00
Travel	Sub-total	\$	2,500.00
Misc. expenditures	Sub-total	\$	1,741.00
			Ace Expenditure Total \$ 18,991.00

Barker Minerals Ltd.

Work was completed between July 24, 2023 to September 15, 2023

Work was done on claim no. 1106206

Event # 5999033

Ace Property - Geological - Office

	Date	Days	Rate	Sub-total
Louis Doyle				
Report writing		4	\$ 600.00	\$ 2,400.00
Planning & Managing		1	\$ 600.00	\$ 600.00
Room & board		5	\$ 100.00	\$ 500.00
Brenda Bye				
Map drafting		3	\$ 500.00	\$ 1,500.00
Room & board		3	\$ 100.00	\$ 300.00
Colleen Doyle				
Report compilation and filing		2	\$ 300.00	\$ 600.00
Room & board		2	\$ 100.00	\$ 200.00
				<u>\$ 6,100.00</u>

Ace Property - Geological - Field

Louis Doyle				
Soil sample collection	August 23, 2023	1	\$ 600.00	\$ 600.00
Vehicle & gas		1	\$ 150.00	\$ 150.00
Room & board		1	\$ 100.00	\$ 100.00
Colleen Doyle				
Soil sample collection	August 23, 2023	1	\$ 300.00	\$ 300.00
Room & board		1	\$ 100.00	\$ 100.00
Brian Hall				
Soil sample collection	August 23, 2023	1	\$ 600.00	\$ 600.00
Soil sample collection	August 24, 2023	1	\$ 600.00	\$ 600.00
Soil sample collection	August 25, 2023	1	\$ 600.00	\$ 600.00
Soil sample collection	August 26, 2023	1	\$ 600.00	\$ 600.00
Vehicle & gas		4	\$ 150.00	\$ 600.00
Room & board		4	\$ 100.00	\$ 400.00
Karen Hall				
Soil sample collection	August 23, 2023	1	\$ 300.00	\$ 300.00
Soil sample collection	August 24, 2023	1	\$ 300.00	\$ 300.00
Soil sample collection	August 25, 2023	1	\$ 300.00	\$ 300.00
Soil sample collection	August 26, 2023	1	\$ 300.00	\$ 300.00
Room & board		4	\$ 100.00	\$ 400.00
				<u>\$ 6,250.00</u>

Barker Minerals Ltd.

Work was completed between July 24, 2023 to September 15, 2023

Work was done on claim no. 1106206

Event # 5999033

Ace Property - Geochemical - Camp

Brian Hall

XRF operator	September 10, 2023	1	\$	600.00	\$	600.00
XRF operator	September 11, 2023	1	\$	600.00	\$	600.00
XRF operator	September 12, 2023	1	\$	600.00	\$	600.00
XRF operator	September 13, 2023	1	\$	600.00	\$	600.00
Room & board		4	\$	100.00	\$	400.00

Louis Doyle

Soil sample preparations	August 28, 2023	1	\$	600.00	\$	600.00
Soil sample preparations	August 29, 2023	1	\$	600.00	\$	600.00
Soil sample preparations	August 30, 2023	1	\$	600.00	\$	600.00
Soil sample preparations	September 9, 2023	1	\$	600.00	\$	600.00
Soil sample preparations	September 10, 2023	1	\$	600.00	\$	600.00
Room & board		5	\$	100.00	\$	500.00
XRF rental		4	\$	200.00	\$	800.00

\$ 7,100.00

Ace Property - Travel

Brian Hall

Travel in/out	August 22, 2023	1	\$	600.00	\$	600.00
Room & board		1	\$	100.00	\$	100.00
Vehicle & gas		1	\$	150.00	\$	150.00

Karen Hall

Travel in/out	August 22, 2023	1	\$	300.00	\$	300.00
Room & board		1	\$	100.00	\$	100.00

\$ 1,250.00

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Barker Minerals Ltd.

Work was completed between July 24, 2023 to September 15, 2023

Work was done on claim no. 1106206

Event # 5999033

Ace Property - Misc. expenditures

Safety equipment (MTC), exploration supplies & equipment, communication devices & quad

Exploration supplies & equipment \$ 265.00

First aid equipment 4 \$ 50.00 \$ 200.00

Quad rental 4 \$ 100.00 \$ 400.00

Communication devices

Hand held radios, satellite phones & SPOT locators 4 \$ 24.00 \$ 96.00

Sub-total \$ 961.00

Ace Property Expenditure Summary

Geological - Office Sub-total \$ 6,100.00

Geological - Field Sub-total \$ 6,250.00

Geochemical Sub-total \$ 7,100.00

Travel Sub-total \$ 1,250.00

Misc. expenditures Sub-total \$ 961.00

Ace Expenditure Total \$ 21,661.00

APPENDIX F

2023 Sample Locations and Geochemical Cu & Zn

2023 Soil Sample Locations**Post-Amalgamation - Locations and
Geochemical (Cu & Zn) Results**

Sample #	Easting	Northing	Copper	Zinc
A23-01	627844	5849372	25.05	62.92
A23-02	627824	5849378	70.31	88.79
A23-03	627805	5849397	25.23	95.57
A23-04	627791	5849410	22.89	73.77
A23-05	627778	5849425	23.84	67.62
A23-06	627764	5849441	45.06	100.68
A23-07	627746	5849454	26.59	71.13
A23-08	627730	5849471	40.68	74.05
A23-09	627716	5849485	33.54	72.20
A23-10	627699	5849501	20.94	77.92
A23-11	627681	5849512	22.02	76.78
A23-12	627661	5849529	31.81	61.56
A23-13	627646	5849536	47.73	66.20
A23-14	627631	5849543	42.18	65.54
A23-15	627609	5849552	26.63	50.29
A23-16	627593	5849558	43.94	80.89
A23-17	627572	5849570	31.13	52.35
A23-18	627550	5849584	25.81	69.59
A23-19	627527	5849598	45.91	58.24
A23-20	627511	5849614	26.25	66.02
A23-21	627494	5849628	43.85	66.54
A23-22	627475	5849641	48.50	63.43
A23-23	627456	5849650	66.46	72.88
A23-24	627432	5849657	38.13	63.24
A23-25	627413	5849666	34.92	45.41
A23-26	627391	5849679	36.34	52.51
A23-27	627373	5849694	35.68	55.71
A23-28	627355	5849701	22.69	69.41
A23-29	627337	5849720	30.23	76.00
A23-30	627327	5849746	25.10	70.78
A23-31	627316	5849764	40.99	63.53
A23-32	627314	5849786	41.94	64.15
A23-33	627311	5849805	64.07	73.97
A23-34	627310	5849829	49.55	52.54
A23-35	627306	5849851	66.49	75.95
A23-36	627294	5849871	64.46	56.87
A23-37	627286	5849895	53.49	70.63
A23-38	627269	5849914	70.05	76.64
A23-39	627242	5849921	59.41	80.33
A23-40	627234	5849941	43.99	70.48
A23-41	627237	5849971	47.93	62.77
A23-42	627228	5849991	59.12	45.79

2023 Soil Sample Locations**Post-Amalgamation - Locations and
Geochemical (Cu & Zn) Results**

Sample #	Easting	Northing	Copper	Zinc
A23-43	627221	5840008	44.03	73.91
A23-44	627211	5850029	48.32	54.23
A23-45	627199	5850048	68.89	69.24
A23-46	627187	5850073	67.31	74.76
A23-47	627171	5850087	55.38	69.23
A23-48	627155	5850110	85.93	85.30
A23-49	627144	5850125	76.33	79.02
A23-50	627128	5850142	68.12	76.58
A23-51	627111	5850155	65.09	62.83
A23-52	627093	5850166	40.31	61.47
A23-53	627076	5850183	58.76	72.25
A23-54	627062	5850198	52.49	41.20
A23-55	627041	5850215	71.13	66.67
A23-56	627026	5850229	36.81	92.70
A23-57	627012	5850244	29.42	51.75
A23-58	626994	5850259	61.48	78.30
A23-59	626978	5850281	35.13	59.85
A23-60	626965	5850295	86.54	79.27
A23-61	626948	5850308	32.18	45.95
A23-62	626928	5850324	21.17	46.22
A23-63	626915	5850338	31.92	37.11
A23-64	626902	5850356	47.11	67.00
A23-65	626881	5850372	45.52	57.84
A23-66	626865	5850386	51.54	61.44
A23-67	626848	5850396	73.12	62.44
A23-68	626835	5850411	45.88	43.53
A23-69	626817	5850426	61.07	73.24
A23-70	626795	5850440	33.77	65.78
A23-71	626781	5850454	50.44	83.09
A23-72	626765	5850463	39.64	70.94
A23-73	626746	5850474	30.85	74.23
A23-74	626729	5850488	69.83	84.59
A23-75	626713	5850502	135.8	77.31
A23-76	626694	5850516	42.17	57.04
A23-77	626677	5850529	72.72	79.94
A23-78	626662	5850540	48.94	61.25
A23-79	626643	5850554	46.54	62.99
A23-80	626624	5850566	48.16	60.00
A23-81	626608	5850568	95.34	107.33
A23-82	626578	5850577	63.30	71.43
A23-83	626560	5850586	31.80	49.51
A23-84	626541	5850595	50.91	72.92

2023 Soil Sample Locations**Post-Amalgamation - Locations and
Geochemical (Cu & Zn) Results**

Sample #	Easting	Northing	Copper	Zinc
A23-85	626519	5850609	58.26	74.19
A23-86	626504	5850622	50.21	64.19
A23-87	626483	5850632	41.79	57.86
A23-88	626469	5850643	46.04	70.39
A23-89	626451	5850653	31.61	99.65
A23-90	626427	5850657	30.52	70.03
A23-91	626417	5850667	71.65	84.98
A23-92	626391	5850684	53.12	82.22
A23-93	626377	5850695	31.71	86.43
A23-94	626355	5850702	36.67	90.37
A23-95	626336	5850714	29.70	85.25
A23-96	626318	5850722	23.96	115.19
A23-97	626297	5850724	36.32	84.95
A23-98	626272	5850738	22.19	79.12
A23-99	626259	5850752	35.05	69.89
A23-100	626238	5850761	47.26	74.97
A23-101	626218	5850770	27.79	64.82
A23-102	626196	5850779	37.19	73.63
A23-103	626182	5850790	39.58	62.19
A23-104	626157	5850801	52.81	52.91
A23-105	626136	5850799	28.70	49.50
A23-106	629109	5850807	28.02	50.27
A23-107	626088	5850818	47.55	65.84
A23-108	626063	5850823	68.80	84.74
A23-109	626045	5850831	31.05	53.63
A23-110	626026	5850830	43.90	67.24
A23-111	626008	5850833	53.59	77.20
A23-112	625991	5850834	26.21	61.09
A23-113	625958	5850836	76.32	81.02
A23-114	625945	5850835	35.07	61.43
A23-115	625926	5850836	77.95	78.31

2023 Soil Sample Locations**Post-Amalgamation - Locations and Geochemical (Cu & Zn) Results**

Sample #	Easting	Northing	Copper	Zinc
A23-a1	626393	5850871	50.62	52.84
A23-a2	626371	5850866	28.09	71.13
A23-a3	626349	5850875	46.84	82.63
A23-a4	626321	5850879	38.27	63.95
A23-a5	626297	5850884	32.62	76.63
A23-a6	626275	5850888		203.37
A23-a7	626252	5850893	23.9	80.21
A23-a8	626230	5850899	27.17	36.74
A23-a9	626208	5850899	41.07	46.09
A23-a10	626187	5850916		56.47
A23-a11	626166	5850924	18.26	53.82
A23-a12	626149	5850926	61.23	59.13
A23-a13	626123	5850937	44.93	60.15
A23-a14	626101	5850943	72.67	66.39
A23-a15	626089	5850952	33.89	68.50
A23-a16	626061	5850957	37.78	80.33
A23-a17	626038	5850965	32.38	73.96
A23-a18	626015	5850975	37.80	64.29
A23-a19	625995	5850985	40.00	79.50
A23-a20	625982	5850974	76.66	76.80
A23-a21	625960	5850965	72.66	83.72
A23-a22	625938	5850973	62.04	64.90
A23-a23	625908	5850972	90.84	81.78
A23-a24	625889	5850973	37.98	51.81
A23-a25	625866	5850977	59.19	58.33
A23-a26	625839	5850977	44.02	75.41
A23-a27	625816	5850983	43.27	65.28
A23-a28	625796	5850987	55.92	72.0
A23-a29	625776	5850999	16.45	85.34
A23-a30	625748	5851003	51.69	120.74
A23-a31	625725	5850999	19.56	50.29
A23-a32	625705	5850996	86.60	96.48
A23-a33	625681	5850998	50.28	71.78
A23-a34	625667	5851002	90.19	57.89

Appendix F - 2023 Clay Till Sample Locations

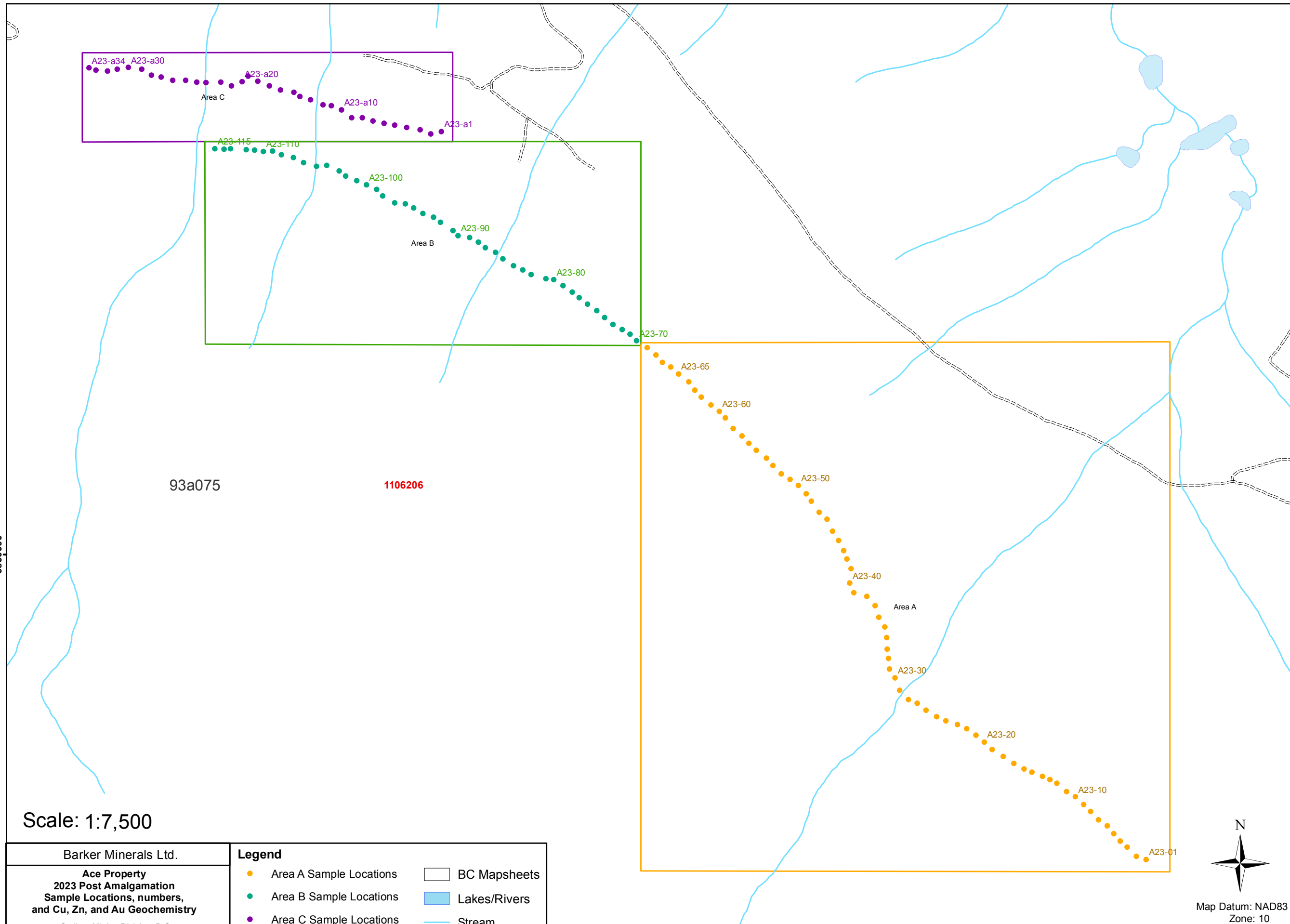
Post-amalgamation - Locations & Geochemical (Cu & Zn) Results

Sample #	Easting	Northing	Cu	Zn
HMA-01	626987	5850646	0	62.91
HMA-02	626864	5850596	72.95	93.02
HMA-03	626740	5850433	26.85	91.7
HMA-04	626881	5850274	33.54	73.2
HMA-05	627000	5850120	33.5	56.89
HMA-06	627114	5849905	41.87	88.49
HMA-07	626872	5849475	34.46	63.73
HMA-08	627596	5849334	31.52	78
HMA-09	627908	5849280	18.48	78.23
HMA-10	628017	5849066	33.5	67.33
HMA-11	627929	5848794	30.02	68.38
HMA-12	628009	5848571	23.09	64.29
HMA-13	628133	5848531	50.14	56.82
HMA-14	628155	5844335	42.83	72.24
HMA-15	628127	5848111	27.87	56.67
HMA-16	628085	5847980	45.14	75.79
HMA-17	628081	5847825	37.93	53.84
HMA-18	628107	5847698	34.37	66.54
HMA-19	628125	5847560	63.77	59.07

APPENDIX G

Pre-Amalgamation & Post-Amalgamation

Soil Sample Locations and XRF Geochemical Results



Ace Property Soil Samples Cu Zn Results (ppm)					
Sample #	Copper	Zinc	Sample #	Copper	Zinc
	(ppm)	(ppm)		(ppm)	(ppm)
A23-01	25.05	62.92	A23-86	50.21	64.19
A23-02	70.31	88.79	A23-87	41.79	57.86
A23-03	25.23	95.57	A23-88	46.04	70.39
A23-04	22.89	73.77	A23-89	31.61	99.65
A23-05	23.84	67.62	A23-90	30.52	70.03
A23-06	45.06	100.68	A23-91	71.65	84.98
A23-07	26.59	71.13	A23-92	53.12	82.22
A23-08	40.68	74.05	A23-93	31.71	86.43
A23-09	33.54	72.20	A23-94	36.67	90.37
A23-10	20.94	77.92	A23-95	29.70	85.25
A23-11	22.02	76.78	A23-96	23.96	115.19
A23-12	31.81	61.56	A23-97	36.32	84.95
A23-13	47.73	66.20	A23-98	22.19	79.12
A23-14	42.18	65.54	A23-99	35.05	69.89
A23-15	26.63	50.29	A23-100	47.26	74.97
A23-16	43.94	80.89	A23-101	27.79	64.82
A23-17	31.13	52.35	A23-102	37.19	73.63
A23-18	25.81	69.59	A23-103	39.58	62.19
A23-19	45.91	58.24	A23-104	52.81	52.91
A23-20	26.25	66.02	A23-105	28.70	49.50
A23-21	43.85	66.54	A23-106	28.02	50.27
A23-22	48.50	63.43	A23-107	47.55	65.84
A23-23	66.46	72.88	A23-108	68.80	84.74
A23-24	38.13	63.24	A23-109	31.05	53.63
A23-25	34.92	45.41	A23-110	43.90	67.24
A23-26	36.34	52.51	A23-111	53.59	77.20
A23-27	35.68	55.71	A23-112	26.21	61.09
A23-28	22.69	69.41	A23-113	76.32	81.02
A23-30	25.10	70.78	A23-114	35.07	61.43
A23-31	40.99	63.53	A23-115	77.95	78.31
A23-32	41.94	64.15	A23-a1	50.62	52.84
A23-33	64.07	73.97	A23-a2	28.09	71.13
A23-34	49.55	52.54	A23-a3	46.84	82.63
A23-35	66.49	75.95	A23-a4	38.27	63.95
A23-36	64.46	56.87	A23-a5	32.62	76.63
A23-37	53.49	70.63	A23-a6		203.37
A23-38	70.05	76.64	A23-a7	23.9	80.21
A23-39	59.41	80.33	A23-a8	27.17	36.74
A23-40	43.99	70.48	A23-a9	41.07	46.09
A23-41	47.93	62.77	A23-a10		56.47
A23-42	59.12	45.79	A23-a11	18.26	53.82
A23-43	44.03	73.91	A23-a12	61.23	59.13
A23-44	48.32	54.23	A23-a13	44.93	60.15
A23-45	68.89	69.24	A23-a14	72.67	66.39
A23-46	67.31	74.76	A23-a15	33.89	68.5
A23-47	55.38	69.23	A23-a16	37.78	80.33
A23-48	85.93	85.30	A23-a17	32.38	73.96
A23-49	76.33	79.02	A23-a18	37.8	64.29
A23-50	68.12	76.58	A23-a19	40	79.5
A23-51	65.09	62.83	A23-a20	76.66	76.8
A23-52	40.31	61.47	A23-a21	72.66	83.72
A23-53	58.76	72.25	A23-a22	62.04	64.9
A23-54	52.49	41.20	A23-a23	90.84	81.78
A23-55	71.13	66.67	A23-a24	37.98	51.81
A23-56	36.81	92.70	A23-a25	59.19	58.33
A23-57	29.42	51.75	A23-a26	44.02	75.41
A23-58	61.48	78.30	A23-a27	43.27	65.28
A23-59	35.13	59.85	A23-a28	55.92	72
A23-60	86.54	79.27	A23-a29	16.45	85.34
A23-61	32.18	45.95	A23-a30	51.69	120.74
A23-62	21.17	46.22	A23-a31	19.56	50.29
A23-63	31.92	37.11	A23-a32	86.6	96.48
A23-64	47.11	67.00	A23-a33	50.28	71.78
A23-65	45.52	57.84	A23-a34	90.19	57.89
A23-66	51.54	61.44	HMA-01	0	62.91
A23-67	73.12	62.44	HMA-02	72.95	93.02
A23-68	45.88	43.53	HMA-03	26.85	91.7
A23-69	61.07	73.24	HMA-04	33.54	73.2
A23-70	33.77	65.78	HMA-05	33.5	56.89
A23-71	50.44	83.09	HMA-06	41.87	88.49
A23-72	39.64	70.94	HMA-07	34.46	63.73
A23-73	30.85	74.23	HMA-08	31.52	78
A23-74	69.83	84.59	HMA-09	18.48	78.23
A23-75	135.8	77.31	HMA-10	33.5	67.33
A23-76	42.17	57.04	HMA-11	30.02	68.38
A23-77	72.72	79.94	HMA-12	23.09	64.29
A23-78	48.94	61.25	HMA-13	50.14	56.82
A23-79	46.54	62.99	HMA-14	42.83	72.24
A23-80	48.16	60.00	HMA-15	27.87	56.67
A23-81	95.34	107.33	HMA-16	45.14	75.79
A23-82	63.30	71.43	HMA-17	37.93	53.84
A23-83	31.80	49.51	HMA-18	34.37	66.54
A23-84	50.91	72.92	HMA-19	63.77	59.07
A23-85	58.26	74.19			

Scale: 1:7,500

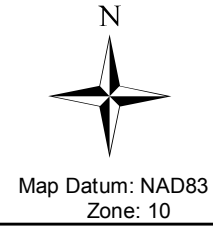
Barker Minerals Ltd.
Ace Property
2023 Post Amalgamation
Sample Locations, numbers,
and Cu, Zn, and Au Geochemistry
 Cariboo Mining Division, B.C.
 Mapsheets: 93A.065,.075,.076,.084,.085
 Date: February 26, 2024
 Claim Numbers: 1106204, 1106205, 1106206, 1106207

Legend

- Area A Sample Locations
- Area B Sample Locations
- Area C Sample Locations
- Ace Claims
- BC Mapsheets
- Lakes/Rivers
- Stream
- ==== Roads

Drawn by: B.Bye, Nortech Forestry Ltd. Quesnel, BC

Appendix G - Post-Amalgamation Sample Locations and Geochemistry Results



Appendix G - Post-Amalgamation
2023 Soil Sample No.'s A23-01 to A23-115

Geochemical Results

Sample #	Units	Mo	Zr	Sr	U	Rb	Th	Pb	Se	As	Hg	Au
A23-01	ppm	< LOD	169.62	130.8	< LOD	98.38	12.45	< LOD	< LOD	< LOD	< LOD	< LOD
A23-02	ppm	< LOD	169.35	148.29	10.36	78.84	12.26	< LOD	< LOD	< LOD	< LOD	< LOD
A23-03	ppm	< LOD	188.58	141.3	8.75	116.24	9.81	< LOD	< LOD	< LOD	< LOD	< LOD
A23-04	ppm	< LOD	179.09	132.49	8.23	89.02	8.97	< LOD	< LOD	9.57	< LOD	< LOD
A23-05	ppm	< LOD	167.93	127.16	7.68	75.38	9.7	< LOD	< LOD	5.67	< LOD	< LOD
A23-06	ppm	< LOD	190.91	142.59	< LOD	107.61	16.3	10.16	< LOD	< LOD	< LOD	< LOD
A23-07	ppm	< LOD	197.6	120.62	21.32	111.13	12.46	< LOD	< LOD	5.18	< LOD	< LOD
A23-08	ppm	< LOD	160.22	151.8	8.47	93.86	13.47	< LOD	< LOD	< LOD	< LOD	< LOD
A23-09	ppm	< LOD	171.5	267.03	12.88	82.16	8.88	< LOD	< LOD	< LOD	< LOD	< LOD
A23-10	ppm	< LOD	168.7	134.82	< LOD	91.46	8.76	< LOD	< LOD	< LOD	< LOD	< LOD
A23-11	ppm	< LOD	188.3	130.58	7.94	90.77	10.69	< LOD	< LOD	< LOD	< LOD	< LOD
A23-12	ppm	< LOD	160.61	166.92	< LOD	84.79	12.52	< LOD	< LOD	< LOD	< LOD	< LOD
A23-13	ppm	< LOD	184.64	159.36	10.9	87.22	13.47	< LOD	< LOD	< LOD	< LOD	< LOD
A23-14	ppm	< LOD	177.53	154.01	< LOD	96.2	11.75	< LOD	< LOD	6.58	< LOD	< LOD
A23-15	ppm	< LOD	179.26	153.09	10.92	78.37	8.67	< LOD	< LOD	< LOD	< LOD	< LOD
A23-16	ppm	< LOD	206.09	194.51	16.74	89.76	18.57	< LOD	< LOD	6.69	< LOD	< LOD
A23-17	ppm	< LOD	152.23	201.54	20.81	59.33	13.13	< LOD	< LOD	5.45	< LOD	< LOD
A23-18	ppm	< LOD	141.7	171.62	< LOD	64.09	9.83	< LOD	< LOD	7.26	< LOD	< LOD
A23-19	ppm	< LOD	135.73	248.2	7.15	51.21	11.03	< LOD	< LOD	< LOD	< LOD	< LOD
A23-20	ppm	< LOD	152.82	162.35	9.55	63.16	12.71	< LOD	< LOD	< LOD	< LOD	< LOD
A23-21	ppm	< LOD	166.88	218.53	< LOD	64.6	10.34	< LOD	< LOD	< LOD	< LOD	< LOD
A23-22	ppm	< LOD	217.96	188.03	9.19	59.5	11.66	< LOD	< LOD	< LOD	< LOD	< LOD
A23-23	ppm	< LOD	162.81	218.18	12.48	79.72	10.87	< LOD	< LOD	6.7	< LOD	< LOD
A23-24	ppm	< LOD	180.44	147.37	7.03	48.83	9.52	< LOD	< LOD	5.39	< LOD	< LOD
A23-25	ppm	< LOD	156.84	169.26	8	62.71	16.43	< LOD	< LOD	< LOD	< LOD	< LOD
A23-26	ppm	< LOD	153.92	186.42	12.3	79.4	10.91	< LOD	< LOD	6.02	< LOD	< LOD
A23-27	ppm	< LOD	161.21	194.73	6.84	46.27	10.09	< LOD	< LOD	< LOD	8.94	< LOD
A23-28	ppm	< LOD	155.95	167.25	7.4	75.52	10.63	< LOD	< LOD	4.9	< LOD	< LOD
A23-29	ppm	< LOD	159.77	223.24	8.71	90.73	12.72	< LOD	< LOD	< LOD	< LOD	< LOD
A23-30	ppm	< LOD	126.27	208.66	< LOD	49.79	11.42	< LOD	< LOD	< LOD	< LOD	< LOD
A23-31	ppm	< LOD	163.13	166.25	< LOD	84.92	10.35	< LOD	< LOD	6.06	< LOD	< LOD
A23-32	ppm	< LOD	196.52	162.6	< LOD	77.28	12.83	< LOD	< LOD	< LOD	< LOD	< LOD
A23-33	ppm	< LOD	150.47	180.08	13.82	89.88	13.73	< LOD	< LOD	6.64	< LOD	< LOD
A23-34	ppm	< LOD	166.75	151.72	6.73	77.3	10.3	< LOD	< LOD	< LOD	7.35	< LOD
A23-35	ppm	< LOD	203.16	267.58	16.1	91.92	16.71	< LOD	< LOD	7.12	< LOD	< LOD
A23-36	ppm	< LOD	196.71	219.58	12.81	79.51	13.98	< LOD	< LOD	5.98	< LOD	< LOD
A23-37	ppm	< LOD	155.73	187.49	12.44	90.59	12.86	< LOD	< LOD	5.81	< LOD	< LOD
A23-38	ppm	< LOD	162.62	210.42	9.18	74.56	12.48	< LOD	< LOD	< LOD	< LOD	< LOD
A23-39	ppm	< LOD	246.06	225.51	13.98	96.16	16.16	< LOD	< LOD	7.69	< LOD	< LOD
A23-40	ppm	< LOD	181.96	189.19	< LOD	70.8	13.27	< LOD	< LOD	7.39	< LOD	< LOD
A23-41	ppm	< LOD	149.87	203.62	9.59	68.83	13.08	< LOD	< LOD	6.42	< LOD	< LOD
A23-42	ppm	< LOD	180.46	232.58	9.66	64.06	9.64	< LOD	< LOD	< LOD	< LOD	< LOD
A23-43	ppm	< LOD	137.31	187.78	13.88	64.12	12.38	< LOD	< LOD	< LOD	< LOD	< LOD
A23-44	ppm	< LOD	169.73	182.89	7.93	74.13	17.77	< LOD	< LOD	5.24	< LOD	< LOD
A23-45	ppm	< LOD	204.14	157.63	11.72	80.68	17.06	< LOD	< LOD	< LOD	< LOD	< LOD

Appendix G - Post-Amalgamation
2023 Soil Sample No.'s A23-01 to A23-115
Geochemical Results

Sample #	Units	Mo	Zr	Sr	U	Rb	Th	Pb	Se	As	Hg	Au
A23-46	ppm	< LOD	132.54	183.48	10.19	80.73	9.65	< LOD	< LOD	< LOD	< LOD	< LOD
A23-47	ppm	< LOD	171.13	176.68	13.98	96.21	16.5	< LOD	< LOD	5.15	< LOD	< LOD
A23-48	ppm	< LOD	157.79	224.34	15.46	95.75	16.54	< LOD	< LOD	< LOD	< LOD	< LOD
A23-49	ppm	< LOD	172.1	216.41	9.11	77.88	18.24	< LOD	< LOD	7.95	< LOD	< LOD
A23-50	ppm	< LOD	172.72	157.13	11.27	67.18	14.42	< LOD	< LOD	< LOD	< LOD	< LOD
A23-51	ppm	< LOD	165.84	171.87	11.8	90.57	13.6	< LOD	< LOD	< LOD	< LOD	< LOD
A23-52	ppm	< LOD	190.52	181.15	10.55	90.71	11.41	< LOD	< LOD	4.8	7.55	< LOD
A23-53	ppm	< LOD	208.4	171.57	9.5	84.85	12.74	< LOD	< LOD	5.01	7.58	< LOD
A23-54	ppm	< LOD	153.39	132.84	9.71	77.53	9.28	< LOD	< LOD	6.78	< LOD	< LOD
A23-55	ppm	< LOD	186.83	181.05	12.49	86.81	20.07	< LOD	< LOD	5.43	< LOD	< LOD
A23-56	ppm	< LOD	185.99	131.84	< LOD	107.11	9.95	< LOD	< LOD	7.55	< LOD	< LOD
A23-57	ppm	< LOD	245.96	159.73	8.31	85.57	12.45	< LOD	< LOD	< LOD	< LOD	< LOD
A23-58	ppm	< LOD	217.2	202.85	19.62	84.34	16.38	< LOD	< LOD	< LOD	< LOD	< LOD
A23-59	ppm	< LOD	151.44	141.08	10.62	81.74	13.26	< LOD	< LOD	5.38	< LOD	< LOD
A23-60	ppm	< LOD	106.55	289.37	9.26	55.19	17.46	< LOD	< LOD	6.21	< LOD	< LOD
A23-61	ppm	< LOD	175.56	129.83	25.35	55.66	11.43	< LOD	< LOD	5.49	< LOD	< LOD
A23-62	ppm	< LOD	218.04	157.13	8.66	78.68	7.96	< LOD	< LOD	< LOD	< LOD	< LOD
A23-63	ppm	< LOD	255.84	106.63	17.68	82.34	21.78	< LOD	< LOD	5.49	< LOD	< LOD
A23-64	ppm	< LOD	191.55	154.63	10.14	85.72	12.53	< LOD	< LOD	6.68	9.59	< LOD
A23-65	ppm	< LOD	164.88	150.97	< LOD	81.38	13.18	< LOD	< LOD	6.17	< LOD	< LOD
A23-66	ppm	< LOD	147.23	143.12	< LOD	86.06	10.87	< LOD	< LOD	< LOD	< LOD	< LOD
A23-67	ppm	< LOD	190.62	147.32	11.07	100.77	16.1	< LOD	< LOD	5.6	< LOD	< LOD
A23-68	ppm	< LOD	168.17	135.79	11.71	54.02	12.93	< LOD	< LOD	< LOD	< LOD	< LOD
A23-69	ppm	< LOD	176.4	151.66	14.89	71.72	17.43	< LOD	< LOD	5.8	< LOD	< LOD
A23-70	ppm	< LOD	149.65	125.75	< LOD	62.45	12.36	< LOD	< LOD	7.23	< LOD	< LOD
A23-71	ppm	< LOD	205.19	182.68	12.58	100.49	13.33	< LOD	< LOD	6.42	< LOD	< LOD
A23-72	ppm	< LOD	170.03	154.89	14.17	81.94	10.04	< LOD	< LOD	< LOD	< LOD	< LOD
A23-73	ppm	< LOD	270.37	141.66	< LOD	59.15	14.35	< LOD	< LOD	8.61	< LOD	< LOD
A23-74	ppm	< LOD	187.53	160.9	11.86	118.44	19.49	< LOD	< LOD	5.61	< LOD	< LOD
A23-75	ppm	< LOD	136.57	184.85	11.87	83.18	20.27	9.44	< LOD	5.99	< LOD	< LOD
A23-76	ppm	< LOD	189.12	202.93	8.98	80.46	12.44	< LOD	< LOD	6.24	< LOD	< LOD
A23-77	ppm	< LOD	165.9	172.16	< LOD	99.26	13.53	< LOD	< LOD	< LOD	< LOD	< LOD
A23-78	ppm	< LOD	187.39	160.74	18.23	80.64	10.84	< LOD	< LOD	6.94	< LOD	< LOD
A23-79	ppm	< LOD	178.38	183.76	< LOD	87.66	13.55	< LOD	< LOD	< LOD	< LOD	< LOD
A23-80	ppm	< LOD	135.76	121.94	< LOD	64.02	12.71	< LOD	< LOD	< LOD	< LOD	< LOD
A23-81	ppm	< LOD	147.66	73.28	19.89	167.3	25.75	< LOD	< LOD	12.19	< LOD	< LOD
A23-82	ppm	< LOD	177.22	202.41	< LOD	70.54	11.5	< LOD	< LOD	7.94	< LOD	< LOD
A23-83	ppm	< LOD	159.71	160.96	10.36	91.42	11.2	< LOD	< LOD	< LOD	< LOD	< LOD
A23-84	ppm	< LOD	241.51	183.84	9.05	89.3	13.94	< LOD	< LOD	8.28	< LOD	< LOD
A23-85	ppm	< LOD	183.3	168.7	12.14	91.01	13.88	< LOD	< LOD	< LOD	< LOD	< LOD
A23-86	ppm	< LOD	152.36	151.63	8.52	74.42	8.81	< LOD	< LOD	5.14	6.9	< LOD
A23-87	ppm	< LOD	226.97	177.98	17.37	99.72	15.49	< LOD	< LOD	6.03	< LOD	< LOD
A23-88	ppm	< LOD	195.94	169.53	12.73	96.56	11.59	< LOD	< LOD	< LOD	< LOD	< LOD
A23-89	ppm	< LOD	168.14	172.34	12.98	113.11	12.06	< LOD	< LOD	6.97	8.03	< LOD
A23-90	ppm	< LOD	191.85	143.88	8.21	79.7	10.45	< LOD	< LOD	< LOD	< LOD	< LOD

Appendix G - Post-Amalgamation
2023 Soil Sample No.'s A23-01 to A23-115
Geochemical Results

Sample #	Units	Mo	Zr	Sr	U	Rb	Th	Pb	Se	As	Hg	Au
A23-91	ppm	< LOD	181.3	65.94	15.3	140.44	16.87	< LOD	< LOD	9.25	< LOD	< LOD
A23-92	ppm	< LOD	239.82	112.07	10.98	116.29	22.65	11.22	< LOD	8.18	< LOD	< LOD
A23-93	ppm	< LOD	206.02	75.98	13.84	149.85	12.11	9.74	< LOD	< LOD	7.87	< LOD
A23-94	ppm	< LOD	179.09	113.09	8.9	118.99	12.82	< LOD	< LOD	< LOD	< LOD	< LOD
A23-95	ppm	< LOD	167.84	128.4	9.16	83.46	10.84	< LOD	< LOD	< LOD	< LOD	< LOD
A23-96	ppm	< LOD	176.21	120.79	7.27	65.9	11.81	31.69	< LOD	< LOD	< LOD	< LOD
A23-97	ppm	< LOD	172.35	165.53	< LOD	87.46	11.54	< LOD	< LOD	< LOD	< LOD	< LOD
A23-98	ppm	< LOD	202.28	176.66	9.96	101.72	11.77	< LOD	< LOD	< LOD	< LOD	< LOD
A23-99	ppm	< LOD	180.41	170.67	8.76	82.13	9.87	< LOD	< LOD	5.75	< LOD	< LOD
A23-100	ppm	< LOD	187.53	168.21	< LOD	83.57	19.62	< LOD	< LOD	5.85	< LOD	< LOD
A23-101	ppm	< LOD	210.76	175.29	9.83	108.81	12.83	< LOD	< LOD	6.12	< LOD	< LOD
A23-102	ppm	< LOD	176.77	176.5	10.74	88.99	11.3	< LOD	< LOD	6.79	< LOD	< LOD
A23-103	ppm	< LOD	174.95	149.33	11.19	72.52	13.78	< LOD	< LOD	5.71	< LOD	< LOD
A23-104	ppm	< LOD	167.06	184.58	9.05	63.94	15.16	< LOD	< LOD	4.97	< LOD	< LOD
A23-105	ppm	< LOD	174.01	246.28	12.38	55.38	12.52	< LOD	< LOD	5.7	< LOD	< LOD
A23-106	ppm	< LOD	230.22	177.85	16.27	36.87	13.23	< LOD	< LOD	< LOD	< LOD	< LOD
A23-107	ppm	< LOD	166.31	152.37	< LOD	93.39	12.96	< LOD	< LOD	7.66	< LOD	< LOD
A23-108	ppm	< LOD	186.57	163.31	12.77	91.6	17.17	< LOD	< LOD	< LOD	< LOD	< LOD
A23-109	ppm	< LOD	176.58	179.14	8.16	80.78	10.01	< LOD	< LOD	< LOD	< LOD	< LOD
A23-110	ppm	< LOD	186.6	179.94	7.4	72.09	15.07	< LOD	< LOD	< LOD	< LOD	< LOD
A23-111	ppm	< LOD	204.94	184.24	11.62	93.19	14.6	< LOD	< LOD	5.05	< LOD	< LOD
A23-112	ppm	< LOD	209.34	148.17	< LOD	96.37	8.44	< LOD	< LOD	5.42	9.67	< LOD
A23-113	ppm	< LOD	165.25	126.21	11.63	106.11	16.71	< LOD	< LOD	< LOD	< LOD	< LOD
A23-114	ppm	< LOD	164.6	153.21	< LOD	73.77	11.71	< LOD	< LOD	5.13	< LOD	< LOD
A23-115	ppm	< LOD	153.07	181.59	15.27	95.62	14.15	< LOD	< LOD	< LOD	< LOD	< LOD

Appendix G - Post-Amalgamation
 2023 Soil Sample No.'s A23-01 to A23-115
 Geochemical Results

Sample #	Units	Zn	W	Cu	Ni	Co	Fe	Mn	Cr	V	Ti	Sc
A23-01	ppm	62.92 < LOD		25.05 < LOD		< LOD	56399.5	957.01	98.66	131.99	3461.49 < LOD	
A23-02	ppm	88.79 < LOD		70.31	49.05	< LOD	75126.8	1594.7	77.57	143.17	3415.36	19.54
A23-03	ppm	95.57 < LOD		25.23	63.65	< LOD	55547.55	641.46	106.97	103.06	3335.85 < LOD	
A23-04	ppm	73.77 < LOD		22.89 < LOD		< LOD	55683.36	537.53	108.13	92.99	2583.42 < LOD	
A23-05	ppm	67.62 < LOD		23.84	41.52	< LOD	57230.99	1839.28	103.96	122.37	3475.2 < LOD	
A23-06	ppm	100.68 < LOD		45.06 < LOD		< LOD	56963.89	1166.22	104.57	111.52	2797.24 < LOD	
A23-07	ppm	71.13 < LOD		26.59	73.55	< LOD	39134.47	651.47	97.21	82.46	3260.13 < LOD	
A23-08	ppm	74.05 < LOD		40.68 < LOD		< LOD	50917.82	806.59	77.51	106.55	2846.4 < LOD	
A23-09	ppm	72.2 < LOD		33.54 < LOD		< LOD	46048.31	650.14	98.82	118.41	3280.93	25.33
A23-10	ppm	77.92 < LOD		20.94 < LOD		< LOD	52172.08	919.8	93.79	88.77	2924.6 < LOD	
A23-11	ppm	76.78 < LOD		22.02	66.28	< LOD	51813.16	1283.67	91.86	121.44	3852.2 < LOD	
A23-12	ppm	61.56 < LOD		31.81	61.05	< LOD	41363.88	642.08	87.84	121.89	2684.5	18.98
A23-13	ppm	66.2 < LOD		47.73	59.87	< LOD	43194.44	627.27	106.07	92.5	2819.72	15.51
A23-14	ppm	65.54 < LOD		42.18	45.18	< LOD	55988.82	633.67	93.98	133.2	3921.78 < LOD	
A23-15	ppm	50.29 < LOD		26.63 < LOD		< LOD	39698.57	467.28	110.48	146.51	3530.4 < LOD	
A23-16	ppm	80.89 < LOD		43.94	90.63	< LOD	38381.17	542.97	143.79	146.69	3807.5	30.5
A23-17	ppm	52.35 < LOD		31.13	27.01	< LOD	39053.8	1010.62	116.43	145.95	3313.71	40.83
A23-18	ppm	69.59 < LOD		25.81 < LOD		< LOD	38143.29	553.31	109.27	104.59	2794.02	28.82
A23-19	ppm	58.24 < LOD		45.91	53	< LOD	59438.69	549.08	80.91	124.53	3395.2	42.87
A23-20	ppm	66.02 < LOD		26.25	84.56	< LOD	40380.94	688.48	84.89	139.72	4000.76	31.04
A23-21	ppm	66.54 < LOD		43.85	63.13	< LOD	47802.75	684.09	90.37	124.48	2741.11	25.2
A23-22	ppm	63.43 < LOD		48.5	41.71	< LOD	47334.36	668.9	95.96	144.44	3480.32	31.62
A23-23	ppm	72.88 < LOD		66.46	39.37	< LOD	41888.92	1076.07	107.54	97.73	2509.25	20.02
A23-24	ppm	63.24 < LOD		38.13	46.99	< LOD	30190.56	470.24	101.04	105.68	3118.7	41.77
A23-25	ppm	45.41 < LOD		34.92 < LOD		< LOD	40283.39	724.57	111.28	67.85	1906.07	16.9
A23-26	ppm	52.51 < LOD		36.34	28.32	< LOD	44385.96	387.8	88.87	102.99	2416.08	16.42
A23-27	ppm	55.71 < LOD		35.68	58.36	< LOD	40619.09	669.55	97.79	114.02	3231.99	34.63
A23-28	ppm	69.41 < LOD		22.69	45.72	< LOD	49540.18	500.4	79.31	105.38	2740.33	17.84
A23-29	ppm	76 < LOD		30.23	40.09	< LOD	44221.12	534.43	105.75	122.07	3840.14	29.39
A23-30	ppm	70.78 < LOD		25.1	82.96	< LOD	59311.86	3503.41	98.46	148.93	2938.66	29.6
A23-31	ppm	63.53 < LOD		40.99	24.05	< LOD	42582.32	542.05	98.43	104.76	3256.59	18.22
A23-32	ppm	64.15 < LOD		41.94	57.42	< LOD	42724.39	1385.3	81.8	144.65	3566.34	25.7
A23-33	ppm	73.97 < LOD		64.07	55.59	< LOD	49851.16	699.96	112.21	149.7	3549.91	19.65
A23-34	ppm	52.54 < LOD		49.55	63.64	< LOD	40990.8	620.75	79.37	116.99	3009.43	19.76
A23-35	ppm	75.95 < LOD		66.49	80.48	< LOD	51300.79	927.19	107.4	140.88	3117.62	28.77
A23-36	ppm	56.87	26.23	64.46	62.85	< LOD	41266.67	814.93	95.09	125.82	3409.84	37.22
A23-37	ppm	70.63 < LOD		53.49	158.46	< LOD	44515.58	800.55	113.19	134.33	3328	19.38
A23-38	ppm	76.64 < LOD		70.05	42.55	< LOD	51040.05	1509.2	101.8	125.46	2443.2	20.58
A23-39	ppm	80.33 < LOD		59.41	96.33	< LOD	48513.69	1086.04	93.84	145.69	3596.76	28.58
A23-40	ppm	70.48 < LOD		43.99 < LOD		< LOD	45332.46	1145.87	64.2	116.98	2770.62	21.73
A23-41	ppm	62.77 < LOD		47.93	39.82	< LOD	57065.63	780.61	108.15	164.27	3849.34	48.48
A23-42	ppm	45.79 < LOD		59.12 < LOD		< LOD	42398.46	714.59	79.12	147.92	2900.49	51.75
A23-43	ppm	73.91 < LOD		44.03	77.83	< LOD	46019.53	952.65	93.45	164.35	3923.06	40.51
A23-44	ppm	54.23 < LOD		48.32	67.24	< LOD	54130.22	586.25	95.2	161.42	3737.43 < LOD	
A23-45	ppm	69.24 < LOD		68.89	48.8	< LOD	52966.7	829.09	114.21	118.63	3748.41	17.56

Appendix G - Post-Amalgamation
2023 Soil Sample No.'s A23-01 to A23-115
Geochemical Results

Sample #	Units	Zn	W	Cu	Ni	Co	Fe	Mn	Cr	V	Ti	Sc
A23-46	ppm	74.76 < LOD		67.31 < LOD		< LOD	49594.82	1074.17	92.06	88.01	2180.54	21.4
A23-47	ppm	69.23 < LOD		55.38	79.75	< LOD	45438.48	792.53	132.24	150.04	3593.76	24.84
A23-48	ppm	85.3 < LOD		85.93	35.53	< LOD	48865.57	1126.63	105.42	132.27	3332.91	57.1
A23-49	ppm	79.02 < LOD		76.33	73.71	< LOD	55663.66	976.11	98.27	162.92	4125.69	26.79
A23-50	ppm	76.58 < LOD		68.12	29.26	< LOD	50446.83	688.38	101.72	113.66	2863.16	< LOD
A23-51	ppm	62.83 < LOD		65.09	33.33	< LOD	44573.54	899.93	97.59	112.16	2958.55	31.57
A23-52	ppm	61.47 < LOD		40.31	40.5	< LOD	48042.21	975.69	91.99	128.18	3678.98	23.55
A23-53	ppm	72.25 < LOD		58.76	56.62	< LOD	47395.43	887.04	106.35	155.82	3556.4	28.55
A23-54	ppm	41.2 < LOD		52.49	39.79	< LOD	65844.86	481.63	78.12	138.59	4586.74	< LOD
A23-55	ppm	66.67 < LOD		71.13	60.62	< LOD	44904.05	836.67	107.48	85.42	3201.84	29.59
A23-56	ppm	92.7 < LOD		36.81	63.48	< LOD	54872.5	754.47	83.61	118.71	3423.95	18.74
A23-57	ppm	51.75 < LOD		29.42	59.09	< LOD	36474.81	694.66	86.17	149.75	3863.4	16.64
A23-58	ppm	78.3 < LOD		61.48	40.65	< LOD	45217.84	877.11	89.41	98.66	3334.41	32.07
A23-59	ppm	59.85 < LOD		35.13	64.8	< LOD	39602.84	660.5	112.13	127.89	2597.61	19.76
A23-60	ppm	79.27 < LOD		86.54	112.5	< LOD	82100.69	1565.11	60.98	167.99	2738.43	< LOD
A23-61	ppm	45.95 < LOD		32.18 < LOD		< LOD	53289.42	1242.59	99.77	103.96	2689.53	20.35
A23-62	ppm	46.22	31.51	21.17 < LOD		< LOD	41942.49	722.21	93.17	114.23	3330.63	< LOD
A23-63	ppm	37.11 < LOD		31.92	29.33	< LOD	38394.39	606.23	110.3	75.42	1847.89	19.44
A23-64	ppm	67 < LOD		47.11	33.91	< LOD	43982.55	1244.79	91.89	103.15	3123.71	< LOD
A23-65	ppm	57.84 < LOD		45.52 < LOD		< LOD	59261.45	825.14	87.87	116.91	3121.63	18.09
A23-66	ppm	61.44 < LOD		51.54	49.34	< LOD	51989.98	833.82	93.75	123.13	2647.03	< LOD
A23-67	ppm	62.44 < LOD		73.12	33.66	< LOD	43789.01	896.1	94.14	81.91	2212.36	< LOD
A23-68	ppm	43.53 < LOD		45.88	55.07	< LOD	42206.73	526.68	101.13	124.43	2762.43	23.42
A23-69	ppm	73.24 < LOD		61.07	93.65	< LOD	44124.97	890.26	96.97	126.77	2998.79	19.46
A23-70	ppm	65.78 < LOD		33.77	41.09	< LOD	46338.59	598.74	83.57	89.74	2400.06	14
A23-71	ppm	83.09 < LOD		50.44	37.39	< LOD	51354.14	1093.43	87.85	134.76	3925.44	16.73
A23-72	ppm	70.94 < LOD		39.64 < LOD		< LOD	50235.1	1140.6	98.61	84.5	2466.39	< LOD
A23-73	ppm	74.23 < LOD		30.85	36.53	< LOD	40960.07	1245.14	68.51	89.33	2482.15	22.73
A23-74	ppm	84.59 < LOD		69.83	93.27	< LOD	51904.69	939.79	109.4	93	2548.52	< LOD
A23-75	ppm	77.31 < LOD		135.8	31.14	< LOD	51833.6	1254.18	110.67	123.78	2478.15	35.56
A23-76	ppm	57.04 < LOD		42.17 < LOD		< LOD	47997.18	815.66	58.44	115.71	2862.92	22.96
A23-77	ppm	79.94 < LOD		72.72	50.5	< LOD	50315.34	783.65	105.66	138.85	3089.84	31.12
A23-78	ppm	61.25 < LOD		48.94	60.77	< LOD	57686.3	1004.21	85.06	135.41	3210.2	28.22
A23-79	ppm	62.99 < LOD		46.54 < LOD		< LOD	58242.64	561.39	90.62	102.91	2578.9	< LOD
A23-80	ppm	60 < LOD		48.16	43	< LOD	39783.45	779.64	93.99	95.23	2339.48	< LOD
A23-81	ppm	107.33 < LOD		95.34	127.49	< LOD	61033.27	1040.24	122.79	124.8	1497.33	< LOD
A23-82	ppm	71.43 < LOD		63.3	65.58	< LOD	41463.16	876.67	110.25	120.65	4708.21	27.65
A23-83	ppm	49.51 < LOD		31.8	42.01	< LOD	51266.85	627.85	98.46	122.3	3062.28	< LOD
A23-84	ppm	72.92 < LOD		50.91	37.98	< LOD	48973.26	695.6	76.17	121.49	3029.1	18.07
A23-85	ppm	74.19 < LOD		58.26	39.43	< LOD	47103.55	929.12	78.29	84.26	2386.73	13.49
A23-86	ppm	64.19 < LOD		50.21	53.6	< LOD	47812.25	907.58	79.54	143.17	3420.07	30.83
A23-87	ppm	57.86 < LOD		41.79	61.86	< LOD	46800.5	787.29	90.08	138.09	4158.22	22.3
A23-88	ppm	70.39 < LOD		46.04	42.6	< LOD	44763.56	1008.17	92.39	113.29	3428.97	23.02
A23-89	ppm	99.65 < LOD		31.61	91.94	< LOD	53561.61	1402.04	88.56	142.26	4381.72	25.31
A23-90	ppm	70.03 < LOD		30.52	74.09	< LOD	47088.59	608.57	115.09	106.39	3172.39	29.08

Appendix G - Post-Amalgamation
2023 Soil Sample No.'s A23-01 to A23-115
Geochemical Results

Sample #	Units	Zn	W	Cu	Ni	Co	Fe	Mn	Cr	V	Ti	Sc
A23-91	ppm	84.98	34.07	71.65	58.78	< LOD	81722.85	781.29	109.91	78.72	2852.53	< LOD
A23-92	ppm	82.22	< LOD	53.12	50.28	< LOD	56909.08	770.83	109.48	107.05	3245.35	< LOD
A23-93	ppm	86.43	< LOD	31.71	76.19	< LOD	74664.23	490.79	148.98	146.02	4214.37	< LOD
A23-94	ppm	90.37	< LOD	36.67	35.99	< LOD	46414.06	605.51	90.95	103.56	2869.99	< LOD
A23-95	ppm	85.25	< LOD	29.7	67.22	< LOD	47578.09	522.69	99.6	108.3	2747.42	14.39
A23-96	ppm	115.19	< LOD	23.96	74.51	< LOD	54057.74	1703.88	94.73	130.2	3152.93	27.37
A23-97	ppm	84.95	< LOD	36.32	< LOD	< LOD	49034.86	579.75	110.27	132.69	3281.92	< LOD
A23-98	ppm	79.12	< LOD	22.19	38.63	< LOD	50798.39	844.81	82.69	158.32	4040.68	20.96
A23-99	ppm	69.89	< LOD	35.05	56.55	< LOD	46954.68	575.7	83.42	127.59	2646.15	< LOD
A23-100	ppm	74.97	< LOD	47.26	62.26	< LOD	44505.17	1005.07	84.66	106.17	2661.08	< LOD
A23-101	ppm	64.82	< LOD	27.79	25.7	< LOD	50597.08	561.21	102.58	147.9	3561.75	20.74
A23-102	ppm	73.63	< LOD	37.19	45.13	< LOD	52596.45	912.83	88.41	140.77	3264.37	< LOD
A23-103	ppm	62.19	< LOD	39.58	63.25	< LOD	48349.86	538.36	103.5	102.6	2397.71	< LOD
A23-104	ppm	52.91	< LOD	52.81	86.93	< LOD	49218.6	2450.59	104	116.04	2844.12	25.9
A23-105	ppm	49.5	< LOD	28.7	64.31	< LOD	39826.18	395.74	71.85	143.29	3003.37	29.74
A23-106	ppm	50.27	< LOD	28.02	52.12	< LOD	36162.2	1393.18	96.27	120.95	2950.09	16.47
A23-107	ppm	65.84	< LOD	47.55	33.24	< LOD	53224.76	700.81	97.57	137.18	3222.09	< LOD
A23-108	ppm	84.74	< LOD	68.8	70.19	< LOD	56457.66	782.61	92.68	117.64	3006.88	26.07
A23-109	ppm	53.63	< LOD	31.05	44.45	< LOD	39324.26	519.41	101.13	126.63	2945.76	17.32
A23-110	ppm	67.24	< LOD	43.9	51.59	< LOD	44388.66	937.34	98.8	125.42	3502.02	28.92
A23-111	ppm	77.2	< LOD	53.59	102.9	< LOD	52308.39	957.63	100.13	131.27	2782	18.75
A23-112	ppm	61.09	< LOD	26.21	51.56	< LOD	35720.95	547.17	96.99	97.59	3081.48	19.05
A23-113	ppm	81.02	< LOD	76.32	44.5	< LOD	46707.93	871.95	102.96	126.62	2204.99	20.22
A23-114	ppm	61.43	< LOD	35.07	54	< LOD	41235.63	460.07	89.47	86.04	2678.43	15.02
A23-115	ppm	78.31	< LOD	77.95	69.89	< LOD	54033.22	1060.83	93.94	155.52	3152.6	33.11

Ace Property
2023 Soil Sample
Geochemical Results

Sample #	Units	Mo	Zr	Sr	U	Rb	Th	Pb	Se	As	Hg	Au	Zn	W
A23-a1	ppm	< LOD	220.3	123.61	9.25	79.73	11.84	< LOD	< LOD	< LOD	< LOD	< LOD	52.84	< LOD
A23-a2	ppm	< LOD	251.31	183.32	6.35	75.8	9.31	< LOD	< LOD	5.52	10.59	< LOD	71.13	< LOD
A23-a3	ppm	< LOD	171.03	177.87	7.76	90.64	13.02	< LOD	< LOD	< LOD	< LOD	< LOD	82.63	< LOD
A23-a4	ppm	< LOD	175.54	145.14	8.07	85.6	14.2	12	< LOD	6.86	< LOD	< LOD	63.95	< LOD
A23-a5	ppm	< LOD	191.61	146.06	8.76	80.6	9.58	< LOD	< LOD	5.44	< LOD	< LOD	76.63	< LOD
A23-a6	ppm	< LOD	218.08	153.89	7.13	71.62	11.44	11.65	< LOD	6.29	< LOD	< LOD	203.37	< LOD
A23-a7	ppm	< LOD	169.91	136.13	9.31	85.54	12.64	< LOD	< LOD	6.24	< LOD	< LOD	80.21	< LOD
A23-a8	ppm	3.54	192.25	171.64	11.77	79.93	8.17	9.5	< LOD	5.07	< LOD	< LOD	36.74	< LOD
A23-a9	ppm	< LOD	249.68	156	< LOD	90.84	13.74	< LOD	< LOD	< LOD	< LOD	< LOD	46.09	< LOD
A23-a10	ppm	< LOD	230.71	171.8	10.58	83.55	7.39	8.72	< LOD	< LOD	< LOD	< LOD	56.47	< LOD
A23-a11	ppm	< LOD	206.14	148.2	< LOD	84.94	10.16	< LOD	< LOD	< LOD	< LOD	< LOD	53.82	< LOD
A23-a12	ppm	< LOD	159.55	157.09	11.94	75.54	24.76	< LOD	< LOD	5.96	< LOD	< LOD	59.13	< LOD
A23-a13	ppm	< LOD	156.92	179.94	7.78	74.88	16.24	< LOD	< LOD	8.31	< LOD	< LOD	60.15	< LOD
A23-a14	ppm	< LOD	144.68	172.39	19.24	82.04	14.73	< LOD	< LOD	6.42	< LOD	< LOD	66.39	< LOD
A23-a15	ppm	< LOD	173.83	152.98	10.02	90.47	12.11	< LOD	< LOD	5.81	< LOD	< LOD	68.5	< LOD
A23-a16	ppm	< LOD	160.42	186.71	10.29	87.01	15.2	< LOD	< LOD	< LOD	< LOD	< LOD	80.33	< LOD
A23-a17	ppm	< LOD	166.81	176.56	10.18	91.75	14.67	< LOD	< LOD	< LOD	< LOD	< LOD	73.96	< LOD
A23-a18	ppm	< LOD	128.26	179.97	9.06	66.18	19.74	< LOD	< LOD	< LOD	< LOD	< LOD	64.29	< LOD
A23-a19	ppm	< LOD	149.98	200.48	17.7	81.88	16.55	< LOD	< LOD	< LOD	6.88	< LOD	79.5	< LOD
A23-a20	ppm	< LOD	151.94	204.52	11.36	104.13	17.07	< LOD	< LOD	6.69	< LOD	< LOD	76.8	< LOD
A23-a21	ppm	< LOD	157.22	225.38	8.04	94.42	18.47	< LOD	< LOD	5.37	< LOD	< LOD	83.72	< LOD
A23-a22	ppm	< LOD	143.39	200.95	< LOD	85.08	12.28	< LOD	< LOD	< LOD	< LOD	< LOD	64.9	< LOD
A23-a23	ppm	< LOD	217.8	172.11	12.41	94.54	16.33	< LOD	< LOD	< LOD	8.14	< LOD	81.78	< LOD
A23-a24	ppm	< LOD	136.98	159.2	< LOD	62.51	14.88	< LOD	< LOD	< LOD	< LOD	< LOD	51.81	< LOD
A23-a25	ppm	< LOD	202.75	172.46	8.14	80.45	14.21	< LOD	< LOD	< LOD	< LOD	< LOD	58.33	< LOD
A23-a26	ppm	< LOD	182.63	166.8	< LOD	93.75	16.26	< LOD	< LOD	5.2	< LOD	< LOD	75.41	< LOD
A23-a27	ppm	< LOD	286.65	186.13	9.37	58.99	11.52	< LOD	< LOD	< LOD	< LOD	< LOD	65.28	< LOD
A23-a28	ppm	< LOD	159.55	193.5	8.65	76.63	15.06	< LOD	< LOD	4.43	< LOD	< LOD	72	< LOD
A23-a29	ppm	< LOD	212.5	168.8	11.63	91.98	9.61	< LOD	< LOD	7.16	< LOD	< LOD	85.34	< LOD
A23-a30	ppm	< LOD	167.02	121.27	14	86.83	17.06	< LOD	< LOD	5.51	< LOD	< LOD	120.74	< LOD
A23-a31	ppm	< LOD	217.32	143.31	7.85	82.97	9.36	< LOD	< LOD	< LOD	< LOD	< LOD	50.29	< LOD
A23-a32	ppm	< LOD	191.7	117.59	11.6	81.59	16.37	< LOD	< LOD	7.07	< LOD	< LOD	96.48	< LOD
A23-a33	ppm	< LOD	211.44	182.75	12.33	110.72	16.59	< LOD	< LOD	< LOD	< LOD	< LOD	71.78	< LOD
A23-a34	ppm	< LOD	203.9	191.76	8.71	98	19.92	9.87	< LOD	5.97	< LOD	< LOD	57.89	< LOD

Ace Property
2023 Soil Sample
Geochemical Results

Sample #	Units	Cu	Ni	Co	Fe	Mn	Cr	V	Ti	Sc	Ca	K
A23-a1	ppm	50.62	89.27 < LOD		74392.46	617.14	117.46	105.69	2934.79 < LOD		5445.88	12967.66
A23-a2	ppm	28.09	95.09 < LOD		55510.25	785.87	89.22	132.78	4051.84	17	3045.8	14812.02
A23-a3	ppm	46.84 < LOD	< LOD		49199.49	556.09	118.56	132.13	2808.45 < LOD		2464.66	17324.07
A23-a4	ppm	38.27	75.85 < LOD		61685.36	702.51	95.32	160.47	3703.7 < LOD		5630.05	14946.34
A23-a5	ppm	32.62	66.47 < LOD		53608.64	1171.68	82.28	124.35	3331.54 < LOD		2661.56	14104.16
A23-a6	ppm	< LOD	62.25 < LOD		60300.71	1022.84	75.11	103.08	3042.09 < LOD		2191.35	11244.89
A23-a7	ppm	23.9	70.94 < LOD		50791.69	660.86	83.91	90.74	2498.45 < LOD		4290.29	15905.72
A23-a8	ppm	27.17	39.98 < LOD		45487.63	965.4	70.21	122.85	3607.8 < LOD		2941.84	15281.46
A23-a9	ppm	41.07 < LOD	< LOD		44560.73	841.9	87.37	131.68	3656.94	22.38	4467.12	12601.39
A23-a10	ppm	< LOD	35.54 < LOD		33589.72	632.69	65.87	128.57	4150.7	18.87	5769.75	14394.76
A23-a11	ppm	18.26	52.46 < LOD		45907.43	383.6	64.85	109.04	2833.45	14.45	2032.92	10827.32
A23-a12	ppm	61.23	61.35 < LOD		54742.96	1214.87	132.15	169.87	4093.08	35.01	12580.99	16290.49
A23-a13	ppm	44.93	50.28 < LOD		56495.45	732.92	110.23	152.69	3916.64 < LOD		7530.64	14512.06
A23-a14	ppm	72.67 < LOD	< LOD		53941.37	933.1	91.87	114.37	2883.7	35.95	9724.07	13793.62
A23-a15	ppm	33.89 < LOD	< LOD		59846.38	664.37	81.44	110.24	2834.46 < LOD		5956.85	13792.15
A23-a16	ppm	37.78 < LOD	< LOD		48447.7	998.42	95.12	116.25	2751.29 < LOD		6658.47	15076.2
A23-a17	ppm	32.38	47.64 < LOD		46146.02	1047.24	95.81	134.62	3325.14	27.41	6772.4	18149.06
A23-a18	ppm	37.8	46.33 < LOD		68700.25	806.81	81.73	142.28	3505.96	42.21	7042.4	11290.28
A23-a19	ppm	40	50.57 < LOD		40030.32	513.55	96.39	125.28	3796.61	34.13	7985.47	17958.66
A23-a20	ppm	76.66	72.89 < LOD		50399.99	873.57	79.75	94.21	2506.62	21.7	4535.71	14280.49
A23-a21	ppm	72.66	75.74 < LOD		66917.3	1054.54	108.76	144.28	3384.04 < LOD		5722.8	14524.23
A23-a22	ppm	62.04 < LOD	< LOD		62533.04	626.9	86.17	133.4	2594.5	16.45	3537.96	11657.95
A23-a23	ppm	90.84	94.07 < LOD		57772.55	988.27	118.84	202.02	2880.58	33.52	5494.57	20051.25
A23-a24	ppm	37.98	41.49 < LOD		41880.24	694.25	77.1	81.23	2215.89 < LOD		2540.73	9620.1
A23-a25	ppm	59.19	57.4 < LOD		44074.58	918.9	97.56	159.72	4333.76	18.97	5132.28	16719.26
A23-a26	ppm	44.02	34.93 < LOD		53923.32	726.81	106.89	138.09	4019.95 < LOD		7827.33	15014.26
A23-a27	ppm	43.27 < LOD	< LOD		37349.55	2101.74	74.74	76.44	2148.01	48.55	13485.3	9488.32
A23-a28	ppm	55.92	71.8 < LOD		46072.57	1084.32	73.19	110.07	2564.13	20.41	6487.85	12677.71
A23-a29	ppm	16.45	93.82 < LOD		53402.51	781.07	80.31	115.87	3282.97 < LOD		4179.11	14561.94
A23-a30	ppm	51.69	79.67 < LOD		79893.04	752.1	121.24	154	3203.55	20.77	3317.46	17267.52
A23-a31	ppm	19.56 < LOD	< LOD		43544.84	438.73	98.8	123.77	3163.82	14.48	2751.51	14598.9
A23-a32	ppm	86.6	102.99 < LOD		48397.84	1052.58	131.78	137.62	3858.27 < LOD		3527.62	18520.6
A23-a33	ppm	50.28	45.71 < LOD		62988.06	773.54	142.03	134.23	3348.13 < LOD		4771.73	17906.38
A23-a34	ppm	90.19	58.4 < LOD		51207.35	1597.24	98.03	98.75	1702.77	20.26	4337.86	14111.42

Appendix G - Post Amalgamation
Heavy Metal Till Samples HMA-01 to HMA-19

Geochemical Results

Sample #	Units	Mo	Zr	Sr	U	Rb	Th	Pb	Se	As	Hg
HMA-01	ppm	< LOD	174.64	133.51	< LOD	100.33	9.36	< LOD	< LOD	5.14	< LOD
HMA-02	ppm	< LOD	172.67	228.08	6.52	85.24	7.95	< LOD	< LOD	7.98	< LOD
HMA-03	ppm	< LOD	182.01	110.76	< LOD	113.27	13.16	< LOD	< LOD	4.7	< LOD
HMA-04	ppm	< LOD	168.3	122.02	< LOD	87.95	13.64	< LOD	< LOD	9.53	< LOD
HMA-05	ppm	< LOD	147.97	106.36	< LOD	70.35	13.69	< LOD	< LOD	7.4	< LOD
HMA-06	ppm	< LOD	160.66	118.36	13.19	111.2	12.62	< LOD	< LOD	6.85	< LOD
HMA-07	ppm	< LOD	198.3	129.99	< LOD	114.77	11.29	< LOD	< LOD	6.73	< LOD
HMA-08	ppm	< LOD	164.26	149.07	7.93	89.15	14.66	< LOD	< LOD	7.63	< LOD
HMA-09	ppm	< LOD	200.18	144.01	9.41	91.14	13.29	< LOD	< LOD	5.93	< LOD
HMA-10	ppm	< LOD	161.55	133.81	< LOD	90.57	11.7	< LOD	< LOD	< LOD	< LOD
HMA-11	ppm	< LOD	179.27	158.03	< LOD	94.36	12.13	< LOD	< LOD	6.17	< LOD
HMA-12	ppm	< LOD	183.2	140.16	< LOD	78.92	10.84	< LOD	< LOD	< LOD	8.17
HMA-13	ppm	< LOD	193.91	119.49	< LOD	68.32	13.47	< LOD	< LOD	< LOD	< LOD
HMA-14	ppm	< LOD	205	160.47	< LOD	102.62	12.51	< LOD	< LOD	10.56	7.61
HMA-15	ppm	< LOD	179.97	174.97	9.33	78.77	10.66	< LOD	< LOD	6.36	< LOD
HMA-16	ppm	< LOD	157.13	162.12	13.12	72.52	15.15	< LOD	< LOD	< LOD	< LOD
HMA-17	ppm	< LOD	136.7	178	30.68	57.95	14.81	< LOD	< LOD	< LOD	< LOD
HMA-18	ppm	< LOD	161.12	213.62	10.54	73.78	13.49	< LOD	< LOD	< LOD	7.72
HMA-19	ppm	< LOD	147.2	254.84	< LOD	52.92	15.09	< LOD	< LOD	7.98	< LOD

Appendix G - Post Amalgamation
Heavy Metal Till Samples HMA-01 to HMA-19

Geochemical Results

Sample #	Units	Au	Zn	W	Cu	Ni	Co	Fe	Mn	Cr
HMA-01	ppm	< LOD	62.91	< LOD	< LOD	33.89	< LOD	54554.86	823.78	86.32
HMA-02	ppm	< LOD	93.02	< LOD	72.95	43.86	< LOD	79614.16	1668.84	82.03
HMA-03	ppm	< LOD	91.7	< LOD	26.85	73.4	< LOD	49717.74	618.31	123.25
HMA-04	ppm	< LOD	73.2	< LOD	33.54	< LOD	< LOD	55749.03	580.03	103.53
HMA-05	ppm	< LOD	56.89	< LOD	33.5	65.2	< LOD	48575.86	1909.22	97.34
HMA-06	ppm	< LOD	88.49	< LOD	41.87	75.53	< LOD	57039.11	689.94	110.57
HMA-07	ppm	< LOD	63.73	< LOD	34.46	< LOD	< LOD	39890.05	411.8	90.94
HMA-08	ppm	< LOD	78	< LOD	31.52	< LOD	< LOD	51062.52	773.02	94.13
HMA-09	ppm	< LOD	78.23	< LOD	18.48	58.8	< LOD	53082.57	782.01	103.92
HMA-10	ppm	< LOD	67.33	< LOD	33.5	40.01	< LOD	54795.21	562.44	93.72
HMA-11	ppm	< LOD	68.38	< LOD	30.02	69.03	< LOD	55754.17	648.99	89.14
HMA-12	ppm	< LOD	64.29	< LOD	23.09	58.75	< LOD	39526.22	472.18	97.24
HMA-13	ppm	< LOD	56.82	< LOD	50.14	76.28	< LOD	36060.01	618.04	89.61
HMA-14	ppm	< LOD	72.24	< LOD	42.83	61.23	< LOD	55388.25	640.24	80.54
HMA-15	ppm	< LOD	56.67	< LOD	27.87	< LOD	< LOD	47804.03	528.82	112.02
HMA-16	ppm	< LOD	75.79	< LOD	45.14	63.54	< LOD	37715.05	599.27	128.36
HMA-17	ppm	< LOD	53.84	< LOD	37.93	23.18	< LOD	44012.3	1111.35	135.15
HMA-18	ppm	< LOD	66.54	< LOD	34.37	70.38	< LOD	43370.35	704.32	106.71
HMA-19	ppm	< LOD	59.07	< LOD	63.77	110.4	< LOD	60927.33	618.53	88.49

Appendix G - Post Amalgamation
Heavy Metal Till Samples HMA-01 to HMA-19

Geochemical Results

Sample #	Units	V	Ti	Sc	Ca	K	S	Ba	Cs
HMA-01	ppm	147.83	3802.08	23.04	2702.52	16225.65	< LOD	375.51	< LOD
HMA-02	ppm	121.56	3018.36	< LOD	2431.04	10708.54	< LOD	417.81	< LOD
HMA-03	ppm	141.16	3695.65	21.79	2835.12	17587.7	< LOD	476.35	< LOD
HMA-04	ppm	94.39	2457.28	< LOD	1700.95	10093.11	< LOD	342.75	< LOD
HMA-05	ppm	145.26	3655.79	16.67	2340.9	14576.25	< LOD	399.49	< LOD
HMA-06	ppm	121.28	2511.06	16.71	2794.03	15928.61	< LOD	537	< LOD
HMA-07	ppm	65.38	2162.45	13.33	1640.69	11281.21	< LOD	328.59	< LOD
HMA-08	ppm	108.46	2578.93	< LOD	2264.39	12299.82	< LOD	323.44	< LOD
HMA-09	ppm	159.14	4215.89	31.4	3656.58	17866.4	< LOD	417.68	< LOD
HMA-10	ppm	130.26	3322.43	15.64	2811.32	12500.46	< LOD	329.63	< LOD
HMA-11	ppm	167.48	4360.18	21.73	3941.57	15849.72	< LOD	305.19	< LOD
HMA-12	ppm	81.22	2635.09	14.59	3498.37	12391.96	< LOD	679.94	40.42
HMA-13	ppm	83.95	2181	11.06	2000.29	11867.4	< LOD	567.51	53.01
HMA-14	ppm	132.24	3538.5	18.13	2578.81	15913.31	< LOD	462.81	< LOD
HMA-15	ppm	155.49	4165.83	23.84	5233.98	15542.53	< LOD	276.1	< LOD
HMA-16	ppm	134.79	3115.4	< LOD	7175.6	14784.87	< LOD	457.54	< LOD
HMA-17	ppm	173.72	2827.92	27.26	12017.46	9908.54	< LOD	113.63	< LOD
HMA-18	ppm	165	3593.19	29.85	7771.07	12988.32	< LOD	431.25	< LOD
HMA-19	ppm	148	3889.48	38.69	8687.94	11611.44	< LOD	651.22	30.19

Appendix G - Post Amalgamation

Heavy Metal Till Samples HMA-01 to HMA-19

Geochemical Results

Sample #	Units	Te	Sb	Sn	Cd	Ag	Pd
HMA-01	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-02	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-03	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-04	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-05	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-06	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-07	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-08	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-09	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-10	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-11	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-12	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-13	ppm	74.19	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-14	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-15	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-16	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-17	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-18	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
HMA-19	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD