Assessment Report

Rock Geochemistry and Geological Mapping on the Aspen Grove Property

Nicola and Similkameen Mining Divisions

92H/15, 92H/10

672200mE 5522000mN UTM Z10 NAD83
49.826°N 120.606°W NAD83

For

West Cirque Resources Ltd.

By

John Bradford

November 2013

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Rock Geochemistry and Geological Mapping on the Aspen Grove Property

Introduction

The Aspen Grove Property was examined by the author, geologist Tony Barresi and prospector John Fleishman over the course of eleven days on May 2-12, 2013. The primary focus of the work program was to re-examine the known mineralized areas in order to document the style of mineralization and alteration and determine the likely deposit model. Representative rock samples were collected in mineralized areas to document the distribution and tenor of mineralization. All work including report writing was completed at a cost of $36,246.80.

Location and Access

The Aspen Grove Property is located about halfway between Merritt and Princeton in south-central B.C (Figure 1). The property is located in 92H/15 and 92H/10, near UTM 672200mE, 5522000mN, 49.826°N 120.606°W NAD83. The northern property boundary is about 7.5 kilometers south of the hamlet of Aspen Grove. Highway 5A cuts through the western part of the property (Figure 2) and a powerline bisects the property north-south. A variety of gravel logging roads and older dirt roads provide good access to most of the property.

Physiography, Climate and Vegetation

The Aspen Grove property occupies a rolling upland area with elevations ranging from 945 meters near Otter Creek in the west to 1525 meters in the south. Local relief is moderate in most of the area.

Three main vegetation zones of the Southern Interior Ecoprovince exist within the property. Most of the valley bottoms are characterized by sagebrush-steppe and steppe (Bunchgrass Zone). In other valleys, the vegetation forms an open parkland zone with ponderosa pine (Ponderosa Pine Zone) and Douglas-fir intermixed with shrub-grassland communities (Interior Douglas-fir Zone). Stands of black cottonwood, spruces, and trembling aspen are also present. A lower montane vegetation zone occurs at slightly higher elevations (the Interior Douglas-fir Zone).

Ranching and logging are the main economic activities. Large areas of grassland devoted to grazing are found in the relatively flat terrain in the western part of the Property and around Ketchan Lake.

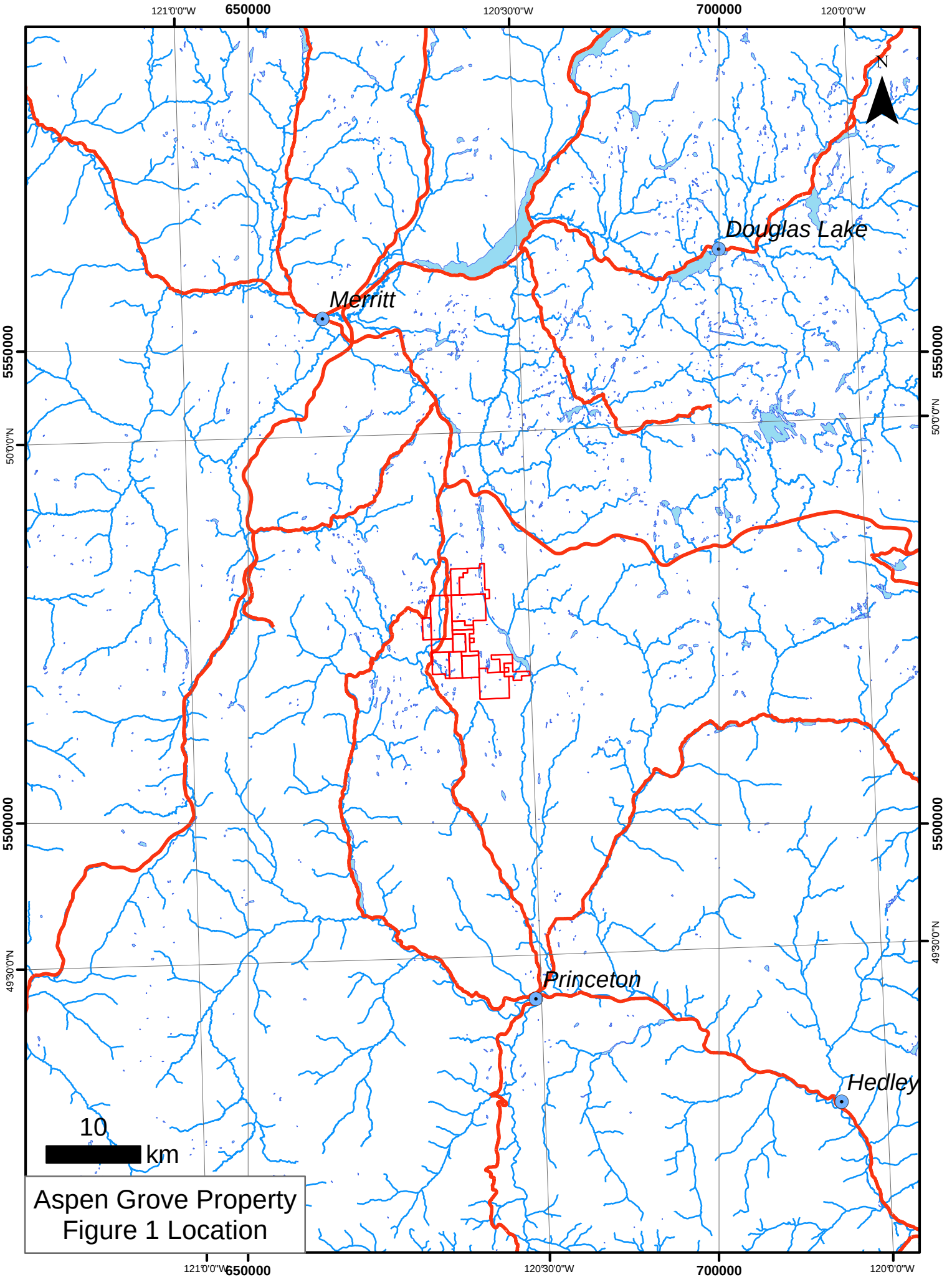
The climate is characterized by hot, dry summers and cold winters.

Claims and Ownership

The Aspen Grove Property consists of 17 contiguous claims which total 7110 hectares, as indicated in Table 1 and Figure 2. They are owned 100% by West Cirque Resources Ltd., 510-530 Burrard St., Vancouver, BC.

Table 1: Claim Status

Project	Tenure	Owner Name	Owner FMC	Good to Date	Area
Aspen Grove	1015095	West Cirque	251682 (100%)	2015/mar/30	417.29
Aspen Grove	1016245	West Cirque	251682 (100%)	2015/mar/30	1042.21
Aspen Grove	1016253	West Cirque	251682 (100%)	2015/mar/30	897.50
Aspen Grove	1016254	West Cirque	251682 (100%)	2015/mar/30	208.62
Aspen Grove	1016255	West Cirque	251682 (100%)	2015/mar/30	229.54
Aspen Grove	1019182	West Cirque	251682 (100%)	2015/mar/30	208.49
Aspen Grove	1019411	West Cirque	251682 (100%)	2015/mar/30	166.67
Aspen Grove	1019816	West Cirque	251682 (100%)	2015/mar/30	250.26
Aspen Grove	1019817	West Cirque	251682 (100%)	2015/mar/30	312.83
Aspen Grove	1019821	West Cirque	251682 (100%)	2015/mar/30	375.54
Aspen Grove	1019823	West Cirque	251682 (100%)	2015/mar/30	438.12
Aspen Grove	1020078	West Cirque	251682 (100%)	2015/mar/30	271.11
Aspen Grove	1020079	West Cirque	251682 (100%)	2015/mar/30	20.85
Aspen Grove	1020080	West Cirque	251682 (100%)	2015/mar/30	166.78
Aspen Grove	1020081	West Cirque	251682 (100%)	2015/mar/30	1042.03
Aspen Grove	1020082	West Cirque	251682 (100%)	2015/mar/30	749.88
Aspen Grove	1020083	West Cirque	251682 (100%)	2015/mar/30	312.43
					7110.15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Princeton
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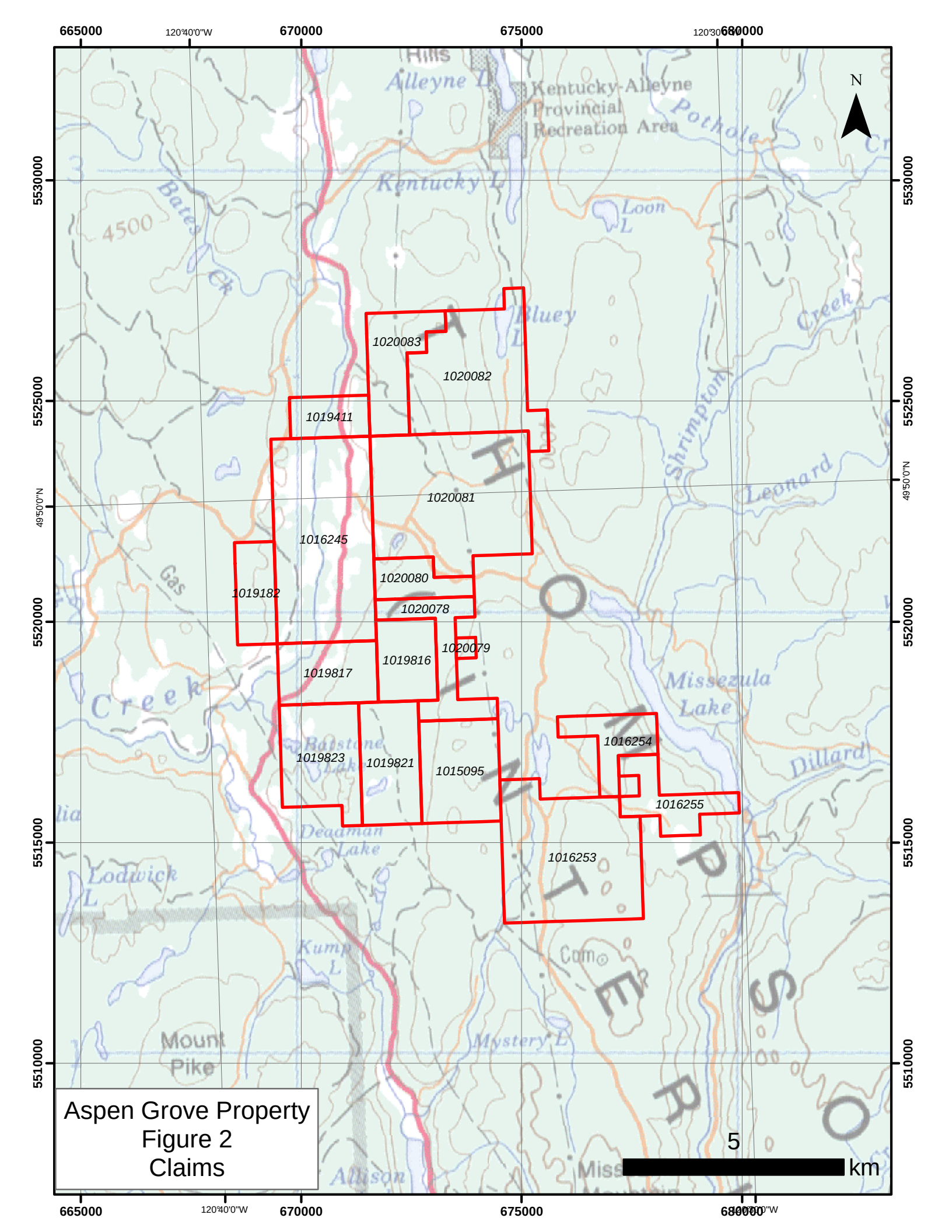
10
km
Aspen Grove Property
Figure 1 Location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1019182
1020078
1020079
1019816
1019817
1019823
1019821
1015095
1016254
1016255
1016253
Kentucky-Alleyne Provincial Recreation Area
Alleyne L
Kentucky L
Bluey L
Loon L
Shrimpton Creek
Leonard
Missezula Lake
Dillard
Deadman Lake
Lodwick L
Kump L
Mystery L
Mount Pike
Allison
Gas
Creek
4500
Aspen Grove Property
Figure 2
Claims
5
km

Exploration History

The Aspen Grove area has been prospected since around 1900 when discoveries of high grade copper were made near Aspen Grove, about 7 kilometers north of the present property. The following summary of the exploration history of the Aspen Grove project is modified from Bergey (2009).

North Area: Zig-Nor, Thalia, Boss, Thor 5

1979: Cominco Ltd. drilled 6 percussion holes, based on I.P., magnetic and geochemical surveys. Only two holes reached bedrock, both intersecting altered diorite. One hole averaged 0.141% Cu over 32 metres (Mehner, 1979).

1985: Vanco Exploration carried out geochemical and geological mapping (Lisle, 1985).

1988: Laramide Resources carried out a geochemical survey for gold (Watson, 1988).

1990-1: Minequest Exploration carried out 56 kilometres of I.P. surveying. Rayrock Yellowknife Mines drilled 9 percussion holes on the Minequest property. No significant Cu or Au values are reported, but a significant, but untested, copper prospect on Zig 3 Claim was noted (Gourlay, 1990, 1991).

2005: Geological mapping, VLF and magnetic surveys were carried out by William Bergey for Copper Belt Resources (Bergey, 2005)

Ketchan Lake Area

1962: Plateau Metals Ltd. staked the present Ketchan Lake prospect area. Later the same year, they carried out a magnetometer survey and completed 3 diamond drill holes.

1966: Adera Mining Ltd. optioned the property and carried out geological and geophysical surveys, along with 512 metres of diamond drilling and 512 metres of trenching (Lammle, 1966).

1973: Bethlehem Copper Corporation staked the Log Group of mineral claims following a large-scale regional exploration program.

1974: Bethlehem Copper carried out geological mapping and geochemical sampling, followed by drilling of 10 percussion holes. No information pertaining to this drilling is on record.

1975: Bethlehem Copper completed 351 metres of diamond drilling in 4 holes (Anderson, 1975, 1976).

1980: Bethlehem Copper completed 410 metres in 2 diamond drill holes to test the results of an I.P. survey carried out earlier in the year (Anderson, 1979).

1991: Cominco Ltd. completed 15 percussion drill holes -- 1067 metres (Aulis, 1991).

1992: Cominco Ltd drilled 8 percussion holes -- 640 metres (Aulis, 1992).

2005: Copper Belt Resources drilled 10 diamond drill holes – 1210 metres.

2006: Copper Belt Resources drilled 2 diamond drill holes – 485 metres (Thomson, 2006).

2007: Midland Resources drilled 5 diamond drill holes – 931 metres (Thomson, 2007).

Par Area

1962-1965: Tormont Mines Ltd, completed 2759 metres of diamond drilling in 18 holes, ostensibly to test a skarn Cu showing west of Otter Creek (Coutts et al, 1962-1965).

1970: Andrew Robertson completed a vertical diamond drill hole to a depth of 123 metres at the site of the original showing (Cryderman, 1977).

1998-2004: W.R.Bergey carried out detailed mapping supplemented by magnetometer and VLF-EM surveys (Bergey, 2002, 2004).

Coke Area

This prospect was discovered in 1962 by Plateau Metals Ltd. Between 1963 and 1976 numerous geological, geophysical and geochemical soil surveys were carried out on the Coke prospect by Plateau Metals, Adera Mining, Amax Exploration, Kalco Valley Mines and Ruskin Developments. Two diamond drill holes totalling 229 metres and three percussion holes totalling 235 metres were drilled by these companies between 1966 and 1972. Since then, several geophysical and soil and rock geochemical surveys were conducted by Cominco Ltd. in 1980, P.Peto in 1985 and Mingold Resources in 1987. The work on the Coke Prospect was carried out in conjunction with exploration that also included the Rum prospect, located about one kilometre to the south (Mark, 1976; Mehner, 1981; Peto, 1985; Yarrow, 1987).

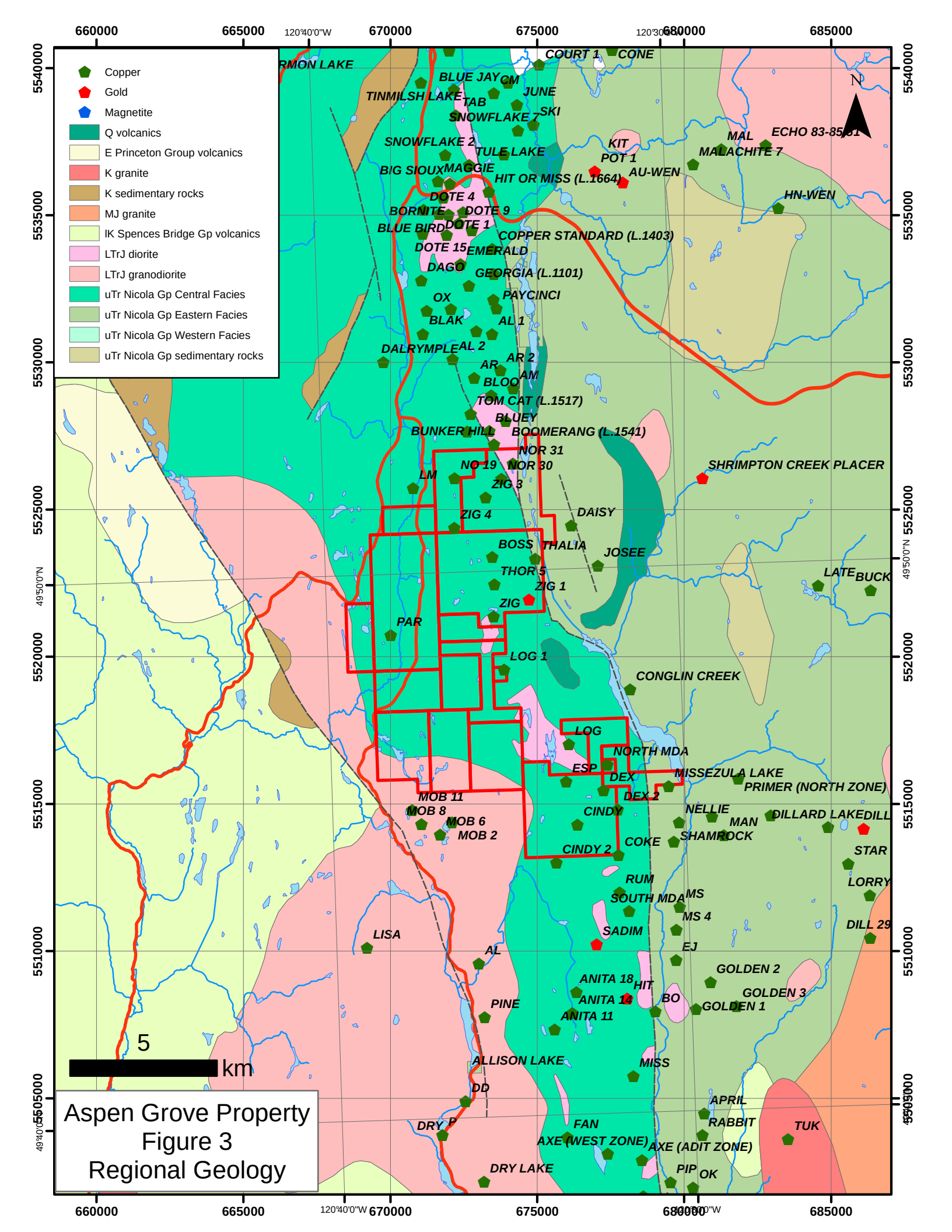
Regional Geological Setting

Most of the Aspen Grove property is underlain by the Central Volcanic Facies of the Late Triassic Nicola Group volcanic arc (Figure 3).

Preto (1979) recognized three major divisions within the volcanic sequence -- Western, Central and Eastern facies -- separated by a pair of regional faults. He believed that these faults were related to Nicola volcanism. Preto (1979) states, “All structures in the volcanic and intrusive rocks are dominated by the same northerly trend as the major faults. Such structural conformity is probably the result of an old system of major deep-seated crustal fractures which dominated the structural framework of the region in Early Triassic time and caused Nicola volcanic centres to be distributed in northerly trending belts flanked by basins.”

The core of the Central Volcanic Facies is intruded by coeval and comagmatic diorite to monzodiorite intrusive bodies, some of which host alkalic porphyry copper mineralization. To the west, the granodiorite to quartz monzonite calc-alkaline Allison Lake pluton is about the same age (205 Ma) but does not share magmatic affinities with the Nicola.

Many of the copper occurrences in the Aspen Grove district have been classified in the B.C. MINFILE database as “volcanic redbed copper”, primarily on the basis of volcanic host rocks and sulfide and other mineralogy (chalcocite and in some cases native copper). These characteristics are non-diagnostic of a volcanic redbed model (the most notable B.C. example is the Sustut copper deposit), especially in an alkalic porphyry belt where volcanic hosted mineralization is common in porphyry systems and chalcocite, bornite and native copper are not unknown. More geological work in this belt is required in order to understand the genesis of mineralization and possible relationships between porphyry centers and more distal volcanic hosted mineralization.



Aspen Grove Property
Figure 3
Regional Geology

Property Geology, Alteration and Mineralization

Given the size of the Aspen Grove property no attempt was made to generate a comprehensive map of the property, which is already well mapped in some detail by Christopher et al., 1973. The following observations were made in specific areas of the property where an assessment of the economic potential was being made in 2013.

Par

The Par prospect is located near Otter Creek on the east side of the Allison Lake intrusive stock where it is cut by the Allison (or Otter Creek) fault system. Reported radiometric age dates (Preto, 1979) for the Allison Lake pluton are 200 and 203±5 Ma (million years), making the pluton approximately the same age as the Guichon and Iron Mask Batholiths (hosts of the Highland Valley and Afton mines) as well as the Copper Mountain and Granite Mountain (Gibraltar) stocks. According to Bergey (2004), "granitic rocks of the Allison Lake suite have intruded along the [Otter Creek] fault zone for almost the entire five kilometre length of the map area".

The Par area (Figure 4) is underlain by a suite of quartz and/or feldspar phyric felsic porphyries intruding Nicola Group volcanic and volcaniclastic rocks. The porphyries are associated with an extensive zone of silicification, brecciation and phyllic (quartz-sericite-pyrite) to advanced argillic (silica-pyrite-clay) alteration. Altered porphyry has been mapped over a strike length of 800 meters and is exposed primarily on the west bank of Otter Creek. An additional 200 meters strike length to the alteration system is inferred from iron-rich ferricrete deposits north of the silicified zone, some of which consist almost entirely of silica altered porphyry clasts. The iron in the ferricrete deposits is derived from weathering of unexposed pyritic altered rocks.

A variety of porphyritic intrusive rocks is exposed at Par. One distinctive intrusive phase is a crowded quartz porphyry with large (up to 1 cm) quartz phenocrysts. This phase resembles the Bethsaida phase of the Guichon Batholith, which hosts the large Valley copper deposit. Other phases including a finer grained quartz porphyry, and a quartz-feldspar porphyry, are also present, mainly as dykes.

Intrusive and volcanic rocks and polymictic hydrothermal or phreato-magmatic breccias are exposed in several trenches, adits and outcrops near the top and eastern flank of a 380 meter long, northeast trending ridge west of the silicified zone. The intrusive rocks have undergone intense alteration varying from pervasive phyllic (quartz-sericite-pyrite) to advanced argillic (quartz, dickite, pyrophyllite, nacrite or kaolinite) with sulfide stockworks and clots of chalcopyrite and bornite as well as quartz-molybdenite veins. Magnetite and/or hematite veining and stockwork is accompanied by variable silica, sericite, clay and chlorite. Breccias contain altered, quartz-feldspar phyric intrusive clasts, clasts of massive, fine grained magnetite-chalcopyrite, and a matrix containing variable proportions of chalcopyrite, hematite and magnetite. Magnetite and hematite are

commonly overprinted by sulfide and quartz-sulfide veins. Total width of porphyry style alteration at Par is poorly defined because of sparse outcrop exposure, but a minimum width of 350 meters has been outlined.

Drilling of the Par prospect by Tormont Mines Ltd. between 1962 and 1965 intersected significant mineralization in 13 out of 17 drill holes over a 250 by 250 meter area (Figure 4). Comparison of logs and core assays suggests that many mineralized intervals were never assayed (Coutts et al., 1962-1965). The longest continuously assayed interval recorded an intersection of 0.86% Cu and 44 g/t Ag over 20.42 meters (110.03-130.45 meters) in drill hole H-27. Drill hole H-29, collared about 65 meters northwest of H-27, included three continuously assayed intervals within a 56 meter intersection: 0.73% Cu and 31 g/t Ag over 10.67 meters (23.16-33.83 meters), 0.41% Cu and 26 g/t Ag over 15.24 meters (38.1-53.34 meters) and 0.32% Cu and 9 g/t Ag over 9.15 meters (70.1-79.25 meters). Three gold assays of 0.03 ounces per ton (1 g/t) over 1.52 meters each are recorded in this hole. Mineralization occurs as disseminations and veins, comprising pyrite, chalcopyrite, bornite, magnetite and hematite.

Mapping and interpretation of Par drill logs suggests that the porphyry system has not been closed off in any direction, and is demonstrably open to the north where outcrop is almost nonexistent. Drilling has also not closed off the system at depth; for example drill hole H-31, collared at the northern extent of Tormont drilling east of the main silicified zone, was terminated at 125 meters in heavy sulfide mineralization assaying 0.37% Cu, 38 g/t Ag and 0.68 g/t Au over 1.52 meters (Coutts et al., 1962-1965).

Ketchan Lake North

A zone of alkalic porphyry-style alteration and mineralization was traced over a strike length of 300 meters on West Cirque's claims at the north end of the Ketchan Lake porphyry copper-gold-silver prospect. The Ketchan Lake prospect (Log MINFILE showing, Figure 3) extends over a northwest trending strike of at least 1.5 km along the northeast margin of the Ketchan Lake diorite stock. The Ketchan Lake North zone is hosted in a feldspar hornblende monzodiorite porphyry intrusion. Copper-gold-silver mineralization is associated with widespread magnetite veining and variable alteration including potassium feldspar, epidote, chlorite, calcite and sericite. The zone has been extensively trenched and tested by one historical diamond drill hole (Adera Mining, 1966), which intersected 0.22% Cu over 39.6 meters from surface, including individual assays up to 0.72% Cu over 3.05 meters (drill hole P-3; Lammle, 1963). Gold and silver were not assayed. The zone may be open to the northwest where a regional magnetic high underlies an area with no outcrop exposure.

Coke

Two large (~100 and 150 meters long) cat trenches dating from the 1960's are located just off a logging road in the southeastern corner of the property; this represents the northernmost exposure of the Coke prospect (Figure 3). Mapping and sampling in the vicinity of the trenches was hampered by snow and water in May 2013. Contiguous historical chip samples from the south trench returned average assays of 0.23% Cu over 30 meters and 0.28% Cu and 9.0 g/t Ag over 24 meters within a microdiorite intrusive body (Figure 1: Mark, 1976; gold assays not available). Alteration in the few exposures available in May 2013 ranges from chlorite-pyrite to quartz-sericite-pyrite with strong disseminated and local stockwork pyrite-chalcopyrite.

Thor 5

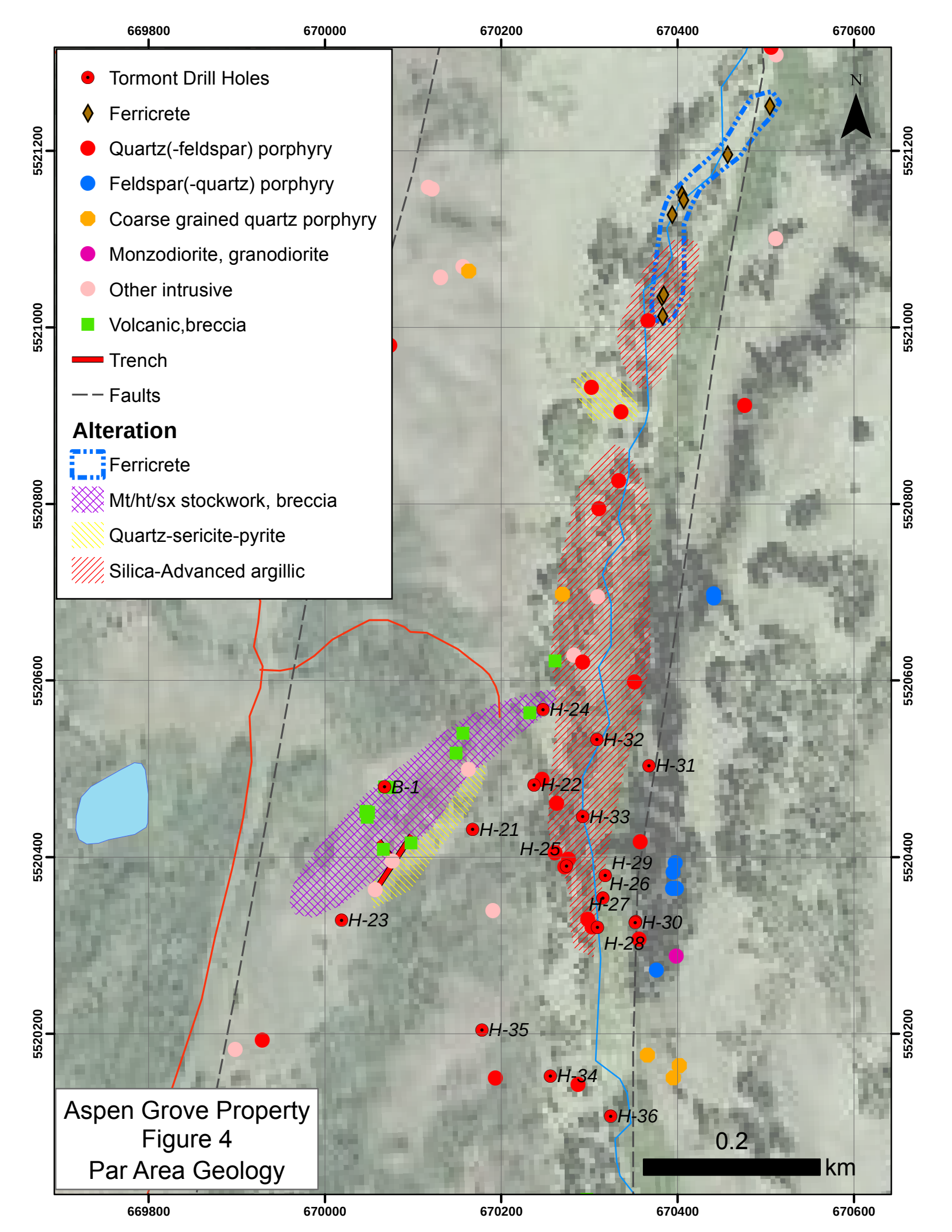
The Thor 5 prospect is located in the north-central part of the property (Figure 3) on the east flank of a strong 2 by 3 kilometer magnetic high which is underlain by a dioritic intrusive breccia complex (Figure 5). Outcrops within the complex range from massive, strongly magnetic diorite, to incipient diorite intrusive breccia, to well fragmented monomictic diorite breccia. The diorite breccias grade out into and intrude polymictic, diorite clast bearing volcanic tuff breccias (mapped as "syenite" clast breccias, Christopher et al., 1973). Along strike to the south and north of the intrusive center in the vicinity of the Zig and Zig 3 prospects, more distal breccias are locally reworked and interbedded with volcanic sandstones. Within the intrusive complex itself epidote alteration and carbonate veinlets are widespread. Mineralization, consisting of very fine chalcopyrite, chalcocite, copper pitch and malachite, was traced over a strike length of about 350 meters in a series of old trenches and blast pits.

Zig 3

The Zig 3 prospect is located two kilometers north of the Thor 5 intrusive breccia complex (Figure 5) where mineralization is exposed in outcrops, trenches and a small shaft over a strike length of at least 155 meters. Overall dimensions of the zone are undefined. Mineralization is hosted in reddish to maroon polymictic volcanic breccia, commonly containing intrusive ("syenite") as well as volcanic clasts. Volcanic sandstone interbeds are present locally. Epidote alteration and carbonate veinlets are common. In the northern part of the zone a distinctive white matrix breccia is present, possibly produced by carbonate replacement of the breccia matrix. The same carbonate (dolomite?) is present as veins. Mineralization consists mainly of disseminated and veinlet hosted chalcocite, disseminated native copper and fracture controlled malachite.

Thalia

Copper mineralization is sporadically exposed in outcrops and trenches over a strike length of about 1 kilometer at the Thalia prospect. Mineralization is in part structurally controlled, forming in both diorite and amygdaloidal basalt between two north-northwest trending splays of the Kentucky-Alleyne fault system. The zone occupies the core of a ~1 kilometer long magnetic low on the west side of a strong regional fault (Figure 5). Mineralization is associated with strong carbonate, sericite and hematite alteration and consists mainly of disseminated and vein hosted chalcocite and copper carbonates. Continuous trench samples near the southern end of this trend have returned 0.38% Cu over 15 meters and 0.24% Cu over 10 meters (Mehner, 1979).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N
Tormont Drill Holes
Ferricrete
Quartz(-feldspar) porphyry
Feldspar(-quartz) porphyry
Coarse grained quartz porphyry
Monzodiorite, granodiorite
Other intrusive
Volcanic,breccia
Trench
Faults
Alteration
Ferricrete
Mt/ht/sx stockwork, breccia
Quartz-sericite-pyrite
Silica-Advanced argillic
H-24
H-32
H-31
B-1
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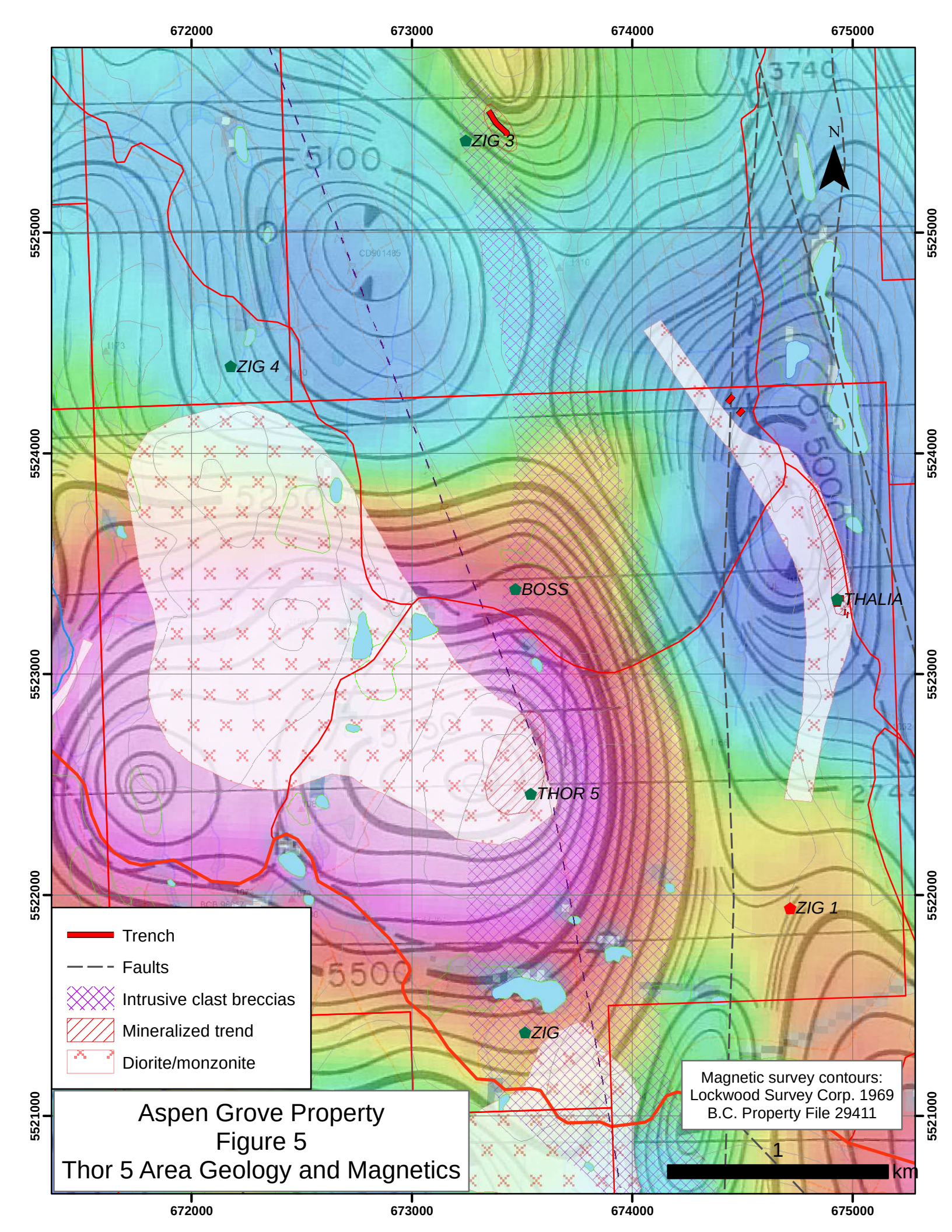
Aspen Grove Property
Figure 4
Par Area Geology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BOSS
THALIA
THOR 5
ZIG 1
ZIG
N
Trench
Faults
Intrusive clast breccias
Mineralized trend
Diorite/monzonite
Magnetic survey contours:
Lockwood Survey Corp. 1969
B.C. Property File 29411
1
km
Aspen Grove Property
Figure 5
Thor 5 Area Geology and Magnetics

Rock Geochemistry 2013

The Aspen Grove Property was examined by the author over the course of eleven days on May 2-12, 2013. The primary focus of the work program was to re-examine the known mineralized areas in order to document the style of mineralization and alteration and determine the likely deposit model. Representative rock samples (94 in total) were collected in mineralized areas to document the distribution and tenor of mineralization.

Procedure

Rock samples were collected from mineralized zones in order to define the character and potential of these zones. The samples comprise representative grabs from both outcrops and float boulders (usually loose material in old trenches). Samples were collected in plastic sample bags and sealed with plastic zip ties. Sample locations were recorded by GPS. Sample locations are marked with flagging tape and embossed aluminum tags. Samples were bundled in security sealed rice bags and trucked to ALS Minerals laboratory in North Vancouver.

At the laboratory, the samples were dried, crushed and pulverized using standard rock preparation procedures. The pulps were then analyzed for Au using a 30 gram fire assay with ICP-AES finish and for 35 elements by ICP-AES. Aqua regia digestion was utilized for the ICP analyses. Ore grade (>1%) lead and zinc were re-analyzed by ICP-AES. Quality control at the laboratory is maintained by submitting blanks, standards and re-assaying duplicate samples from each analytical batch.

Rock sample descriptions and analytical results are in Appendix C. Sample locations and copper assays are plotted on Figures 6 through 10.

Results

Northern Area

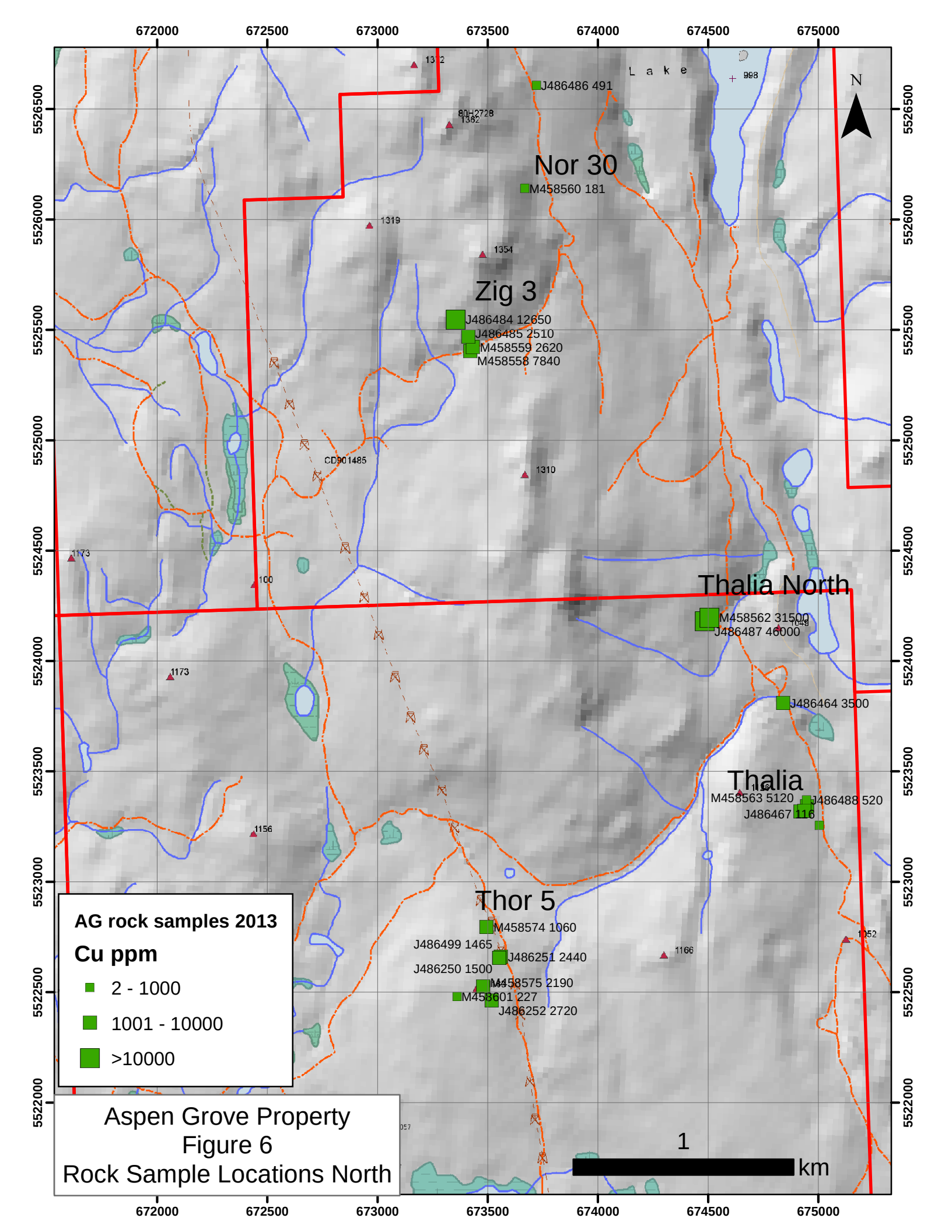
Rock samples from the northern part of the property are plotted in Figure 6. Seven representative trench and outcrop grab samples over 340 meters from the diorite and breccia hosted Thor 5 zone assayed 227 to 2720 ppm Cu, 7 to 192 ppb Au and <0.2 to 2.5 g/t Ag. Four representative trench and outcrop grab and chip samples over 160 meters from the tuff and volcaniclastic hosted Zig 3 zone assayed 2510 ppm to 1.265% Cu (average 0.64% Cu), 6 to 11 ppb Au and 0.5 to 6.4 g/t Ag. Six representative trench and outcrop grab samples from the diorite hosted Thalia zone assayed 116 ppm to 9320 ppm Cu (average 0.36% Cu), 1 to 2 ppb Au and <0.2 to 5.7 g/t Ag. A separate occurrence to the north (Thalia North) contained locally high grade chalcocite veinlets, pods and disseminations in plagioclase phyric volcanics returned 3.15 and 4.6% Cu, 1 ppb Au and 13.7 and 21.0 g/t Ag from two select grab samples.

Par

Rock samples from the Par area are plotted in Figures 7 and 8. Assays of 54 rock chip and grab samples from the Par range from <0.001 to 0.589 g/t Au, 2 parts per million (ppm) to 1.105% Cu, and <0.2 to 9.5 g/t Ag. Molybdenum ranges from <1 to 272 ppm. The highest Au (0.589 g/t, with 0.764% Cu) is from a trench sample of pervasively phyllic altered porphyry with clots of chalcopyrite and bornite. The highest Cu (1.1%, with 0.29 g/t Au) is from magnetite-chalcopyrite veined, clay altered intrusive rock. Silica to advanced argillic altered porphyry is locally anomalous in Au (up to 0.22 g/t), Ag (up to 9.5 g/t) and Mo (up to 257 ppm).

Southern Area

Rock samples from the southern part of the property are plotted in Figures 9 and 10. Twelve representative trench and outcrop grab samples over a strike length of 300 meters from the diorite hosted Ketchan Lake North zone assayed 80 ppm to 1.07% Cu, <1 to 458 ppb Au and <0.2 to 52.5 g/t Ag. Four trench and outcrop grab samples from the Coke prospect assayed 87 ppm to 0.652% Cu, 7 to 233 ppb Au and 0.5 to 52.2 g/t Ag.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AG rock samples 2013
Cu ppm
2 - 1000
1001 - 10000
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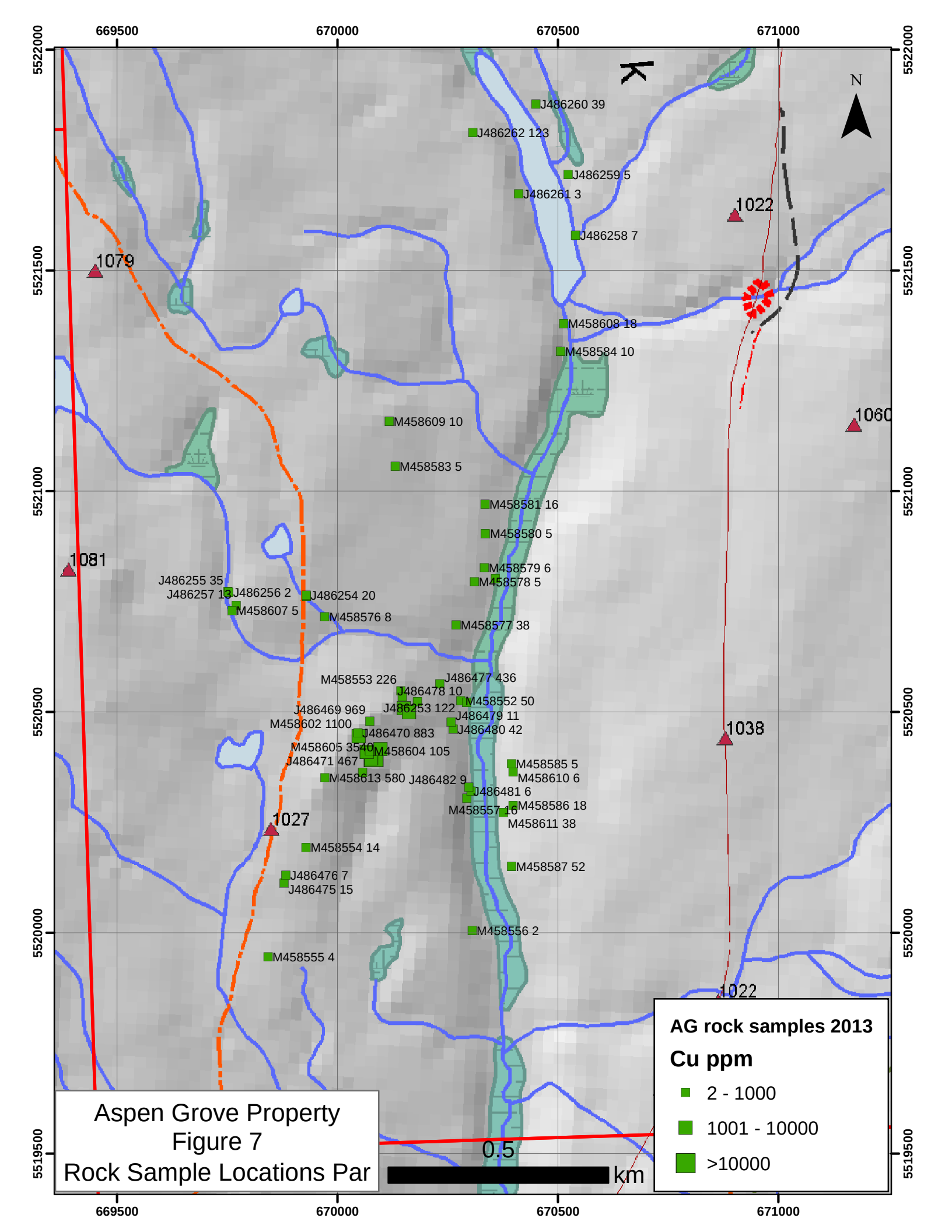
Aspen Grove Property
Figure 6
Rock Sample Locations North
1
km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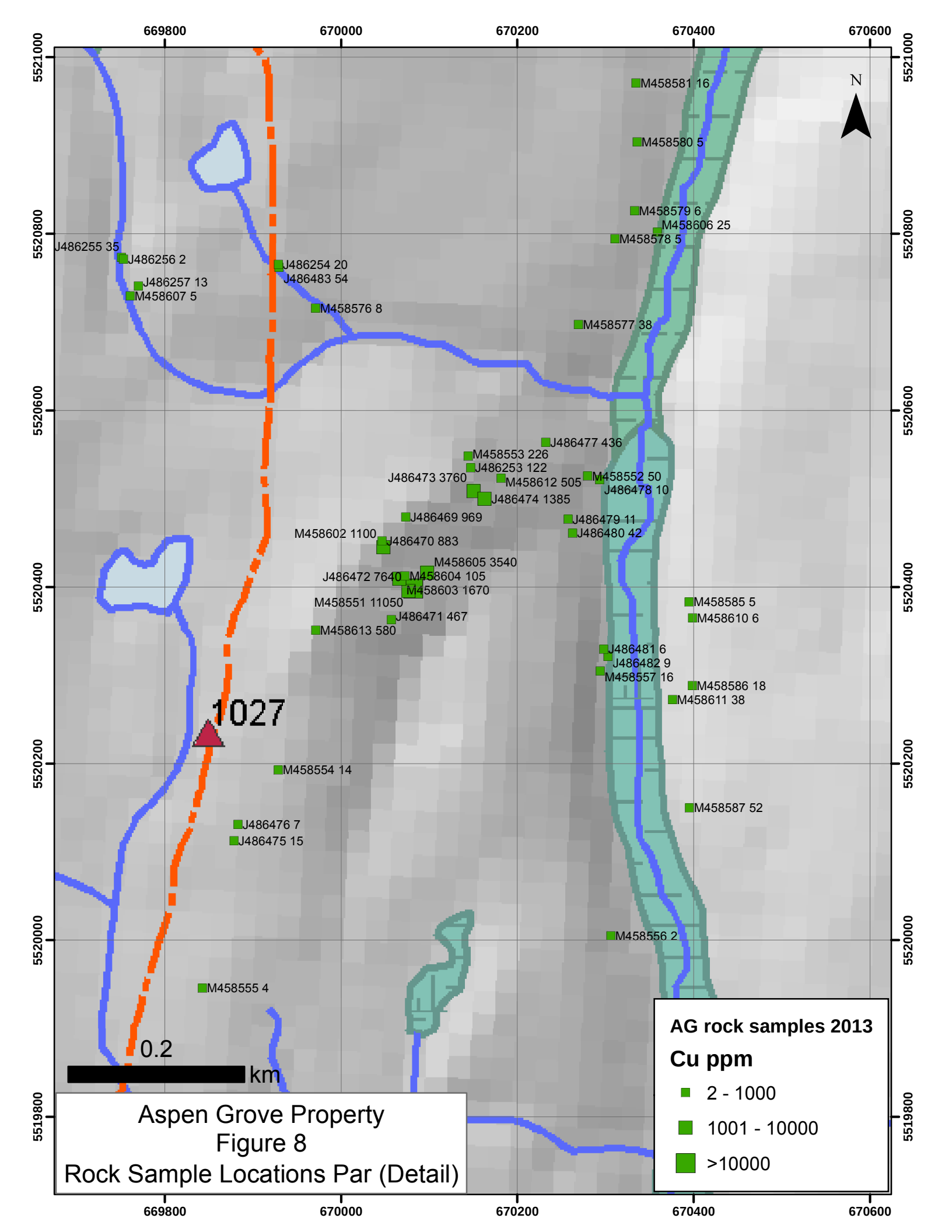
M458557 16
M458611 38
M458554 14
M458587 52
J486476 7
J486475 15
M458556 2
M458555 4
1079
1081
1027
1022
1060
1038
1022
AG rock samples 2013
Cu ppm
2 - 1000
1001 - 10000
>10000
Aspen Grove Property
Figure 7
Rock Sample Locations Par
0.5
km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J486256 2
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M458607 5
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J486253 122
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M458552 50
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M458610 6
J486471 467
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J486482 9
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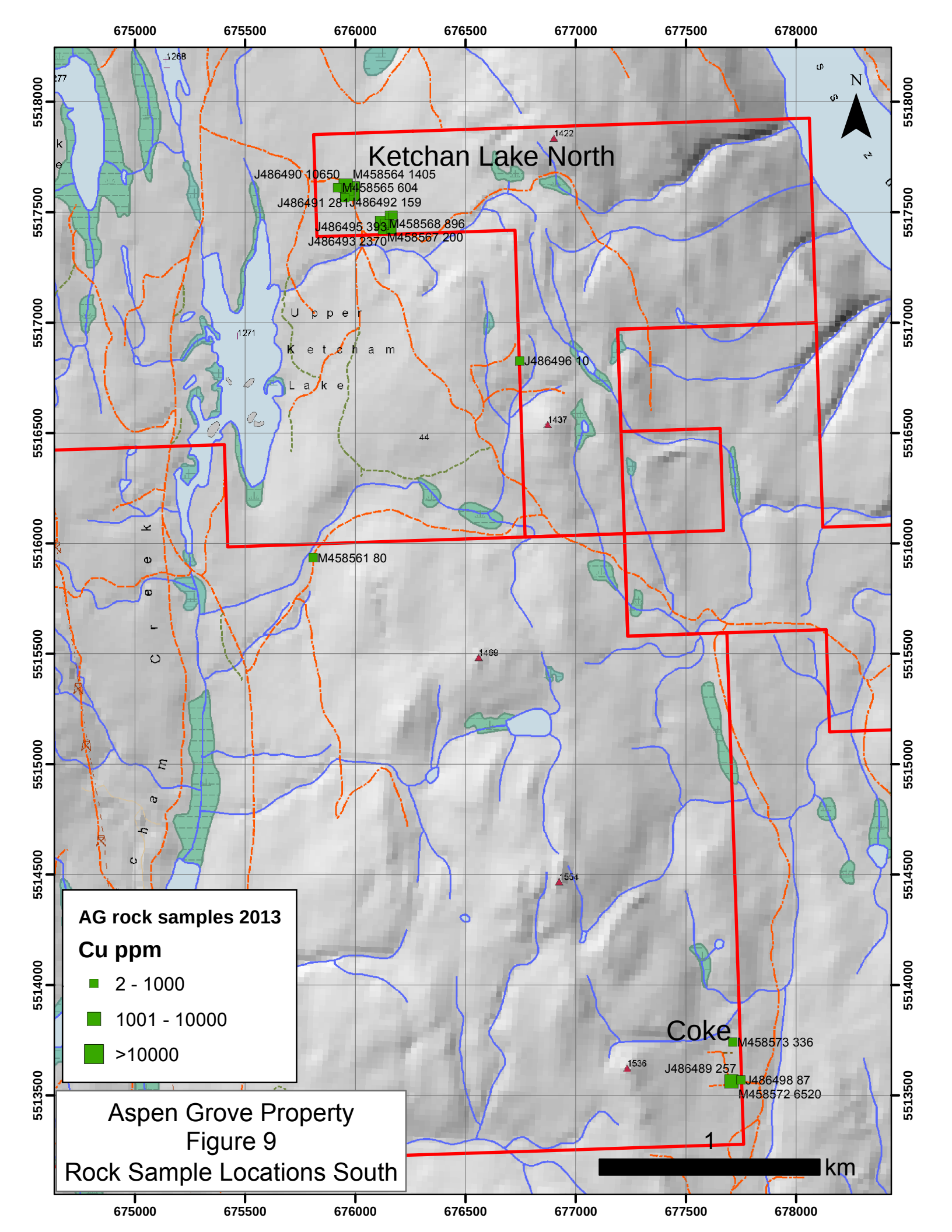
M458586 18
M458611 38
1027
M458554 14
M458587 52
J486476 7
J486475 15
M458556 2
M458555 4
0.2
km
AG rock samples 2013
Cu ppm
2 - 1000
1001 - 10000
>10000
Aspen Grove Property
Figure 8
Rock Sample Locations Par (Detail)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678000
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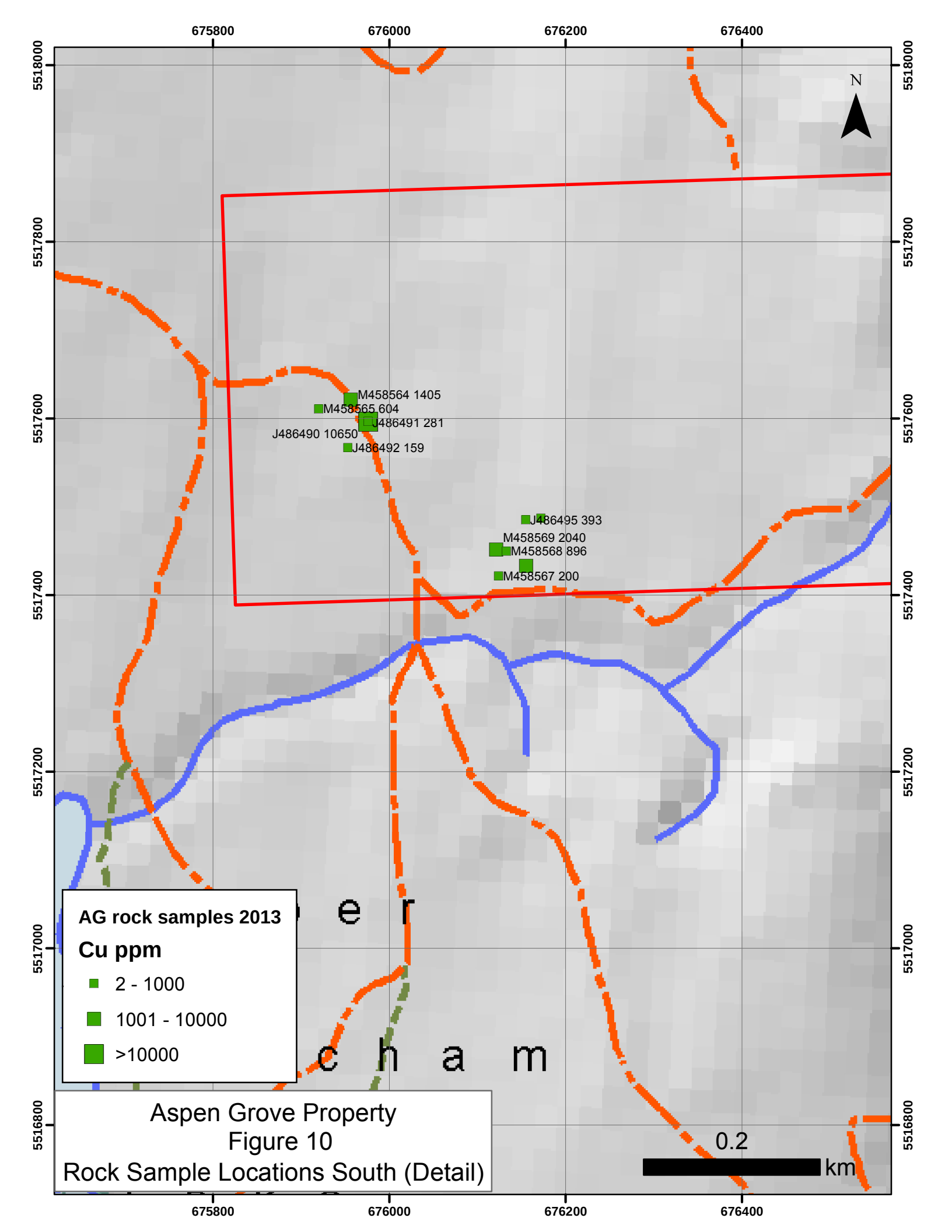
5515000
5514500
5514000
5513500
N
Ketchan Lake North
J486490 10650
M458564 1405
M458565 604
J486491 281
J486492 159
J486495 393
M458568 896
J486493 2370
M458567 200
J486496 10
M458561 80
Upper Ketcham Lake
Ketcham Creek
1422
1271
1437
1469
1554
1536
Coke
M458573 336
J486489 257
J486498 87
M458572 6520
AG rock samples 2013
Cu ppm
2 - 1000
1001 - 10000
>10000
Aspen Grove Property
Figure 9
Rock Sample Locations South
1
km



Aspen Grove Property
Figure 10
Rock Sample Locations South (Detail)

Conclusions and Recommendations

Preliminary mapping and sampling of the Aspen Grove Property has shown:

(1) A previously unrecognized porphyry system has been defined at Par, and is associated with a calc-alkaline felsic intrusive complex which may be related to the ~200-203 Ma Allison Lake stock. High level phyllic and advanced argillic alteration as well as magnetite and sulfide stockworks and polymictic magmatic-hydrothermal breccias with magnetite-chalcopyrite and intrusive clasts are associated with a variety of quartz porphyries. Mineralization, including chalcopyrite, molybdenite and gold, is disseminated and in veins and breccia clasts and matrix.

(2) Alkalic (diorite to monzodiorite) intrusive rocks containing significant copper mineralization occur at the Thalia, Thor 5, Ketchan Lake and Coke showings. At Thalia, mineralization is primarily oxidized and occurs with specular hematite and carbonate-sericite alteration. At Thor 5, mineralization is associated with the variably brecciated eastern lobe of a diorite stock, which grades to the north and south into volcanic breccias with intrusive clasts likely derived from the same intrusion (e.g. Zig 3 prospect). At Ketchan Lake and Coke, mineralization is more typical of alkalic copper-gold porphyry systems, including an association with magnetite veins and K-feldspar and albite alteration (Ketchan Lake) and local phyllic alteration (Coke).

(3) Further mapping and sampling is warranted throughout the Aspen Grove district as most of the known mineralization is poorly understood. In particular, classification of many of the more distal (volcanic-hosted) copper occurrences as “volcanic redbed copper” is inconsistent with the strong regional association between copper mineralization and alkalic porphyry systems, many of which contain significant resources in volcanic rocks (e.g. Copper Mountain). Detailed mapping and sampling is recommended for the Zig 3 occurrence, where the extent and distribution of high grade copper mineralization is unknown and the controls on mineralization are enigmatic.

(4) The Par porphyry prospect is lacking most basic exploration data such as soil sampling, magnetics, and IP (induced polarization). A program integrating all of these exploration techniques with the aim of generating drill targets is warranted.

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Appendix A Statement of Qualifications

I, John Bradford, P.Geo., certify that:

1. I am presently Vice President Exploration for West Cirque Resources Ltd. with a business address located at:
   530-510 Burrard St.
   Vancouver, BC, Canada
   V6C 3A8

2. I am a member in good standing of the Association of Professional Engineers and Geoscientists of B.C.

3. I graduated from the University of British Columbia in 1985 with a Bachelor of Science in Geology and from the University of British Columbia in 1988 with a Master of Science in Geology.

4. Since 1988 I have been continuously employed in exploration for base and precious metals in North America, South America and China.

5. I supervised and participated in the 2013 exploration program at Aspen Grove and am therefore personally familiar with the geology of the Aspen Grove Property and the work conducted in 2013. I have co-prepared all sections of this report.

Dated this 21st Day of October, 2013

Signature

John Bradford, M.Sc, Pgeo

Appendix B Statement of Expenditures

Item	Name	Date	#	Cost	Item sub-total	Sub-totals
Aspen Grove Expenditures						
Geological - salaries and wages			days	daily rate		
	John Bradford		13	600	$ 7,800.00	
	John Fleishman		13	500	$ 6,500.00	
	Tony Barresi		13	600	$ 7,800.00	
						$ 22,100.00
Food & Accommodation						
	Hotel		12	240.8	$ 2,889.60	
	Food		39	85	$ 3,315.00	
						$ 6,204.60
Supplies						
	Chainsaw, sample bags, tags, etc.				$ 425.00	
						$ 425.00
Report			days	daily rate		
	Data compilation		2	600	$ 1,200.00	
	Report preparation		3	600	$ 1,800.00	
						$ 3,000.00
Geochemical						
	Rock sample assays		94		$ 2,617.20	
						$ 2,617.20
Vehicle						
	Truck rental		13	100	$ 1,300.00	
	Fuel				$ 600.00	
						$ 1,900.00
					Assessment work to claim:	**$ 36,246.80**

Appendix C Rock Samples

Area	Geol	y_proj	x_proj	Elev	Date	Sample	Comment
Coke	JB	5513571.22	677749.42	1426.71	08-MAY-13 10:35:27AM	J486489	Big trench abund ferricrete slabs intensely py+/-cp alt brx text intrus
Coke	JB	5513569.81	677750.33	1426.95	08-MAY-13 10:44:04AM	J486498	intensely pyritized rock cut by blk stringers, qtz+sx vns and late sheeted cal stringers
Coke	TB	5513564.52	677706.79	1435.07	2013/05/08 17:55:26+00	M458572	Quartz sericite pyrite boulder on edge of snow-filled trench. Rock is soft due to sericite replacement of fld. Rock is shot through with disseminated pyrite, pyrite stockwork and minor qz-pyrite stockwork - average 7% py but up to 20% in some areas. Weak malachite staining on fracture surfaces and a possible trace of chalcopyrite.
Coke	TB	5513742.24	677713.64	1427.26	2013/05/08 18:31:43+00	M458573	Chlorite + Pyrite altered fine grained diorite. In a few places approaching QSP with accompanying bleaching, but very patchy. 5% pyrite disseminated and in stringers. Strong manganese staining and minor black hematite veins/weathering surfaces.
Ketchan Lake	JB	5517596.81	675975.91	1244.54	07-MAY-13 8:55:12AM	J486490	f.g. dior, cb+/-qtz vnlets, Ksp vnlets, Mt+/-act/chl vnlets and loc flooding, strong mal
Ketchan Lake	JB	5517596.81	675975.91	1244.54	07-MAY-13 8:55:12AM	J486491	f.g. dior, cb+/-qtz vnlets, Ksp vnlets, Mt+/-act/chl vnlets and loc flooding, strong mal
Ketchan Lake	JB	5517566.86	675953.03	1268.82	07-MAY-13 9:12:13AM	J486492	5-10 cm wide pegmatitic Ksp+/-hb vns cutting dior
Ketchan Lake	JB	5517432.85	676155.22	1314.48	07-MAY-13 9:42:21AM	J486493	top of big trench rusty dior abund mal minor Mt Ksp, cal vns
Ketchan Lake	JB	5517486.99	676171.75	1325.05	07-MAY-13 10:11:45AM	J486494	dark grey maf volc, abund epid stringers, tr py/cp, cal vnlets
Ketchan Lake	JB	5517485.44	676154.66	1321.45	07-MAY-13 10:14:33AM	J486495	porph dior, rare Ksp stringers
Ketchan Lake	JB	5516827.13	676746.35	1408.45	07-MAY-13 11:31:14AM	J486496	dior, strong epid-Mt, Mt vnlets
Ketchan Lake	TB	5515935.95	675809.20	1303.22	2013/05/05 15:43:37+00	M458561	Sample from a roadside OC of Lap Tuff strongly epidote altered with 1% volume white qz veins with thick 30cm wide epidote selvages grading into minor chlorite.
Ketchan Lake	TB	5517621.20	675956.22	1284.64	2013/05/07 15:58:58+00	M458564	Mod-strongly carbonate altered with weak chlorite alteration. MG Monzodiorite with abundant malachite on fracture and weathering surfaces. Minor calcite veining. Rock is moderately magnetic.
Ketchan Lake	TB	5517610.90	675920.03	1290.40	2013/05/07 16:15:15+00	M458565	Weak sericite alteration where the feldspars in the monzodiorite are a pale greenish waxy colour and soft. K-feldspar replacement stringers occupy 10% volume and are 2mm to 1 cm wide, and somewhat irregular with rare egg sized blowouts. Hbl are preserved within the K-spar altered zones.
Ketchan Lake	TB	5517421.58	676123.84	1324.05	2013/05/07 16:38:37+00	M458567	Boulder right at end of trench. Nice weak sericite alteration of fld. Some weak K-spar alt. Is apparent on weathered surface as pinkish altered fld. X-cut by a 1 cm wide magnetite vein with splays and minor additional magnetite stockwork.
Ketchan Lake	TB	5517449.69	676132.80	1323.34	2013/05/07 17:01:12+00	M458568	K-spar and magnetite veins and replacement zones in weakly sericite altered monzodiorite fld hbl porphyry. X-cut by 2% late epidote stringers.
Ketchan Lake	TB	5517451.75	676120.99	1323.49	2013/05/07 17:12:27+00	M458569	Sampled from trench dump. Rock is weakly to moderately sericite altered, to the point of occasionally approaching QSP. Monzodiorite porphyry with magnetite + calcite stockwork, K-feldspar replacement pods and malachite on fracture. Late narrow epidote veins.

Area	Geol	y_proj	x_proj	Elev	Date	Sample	Comment
Coke	JB	5513571.22	677749.42	1426.71	08-MAY-13 10:35:27AM	J486489	Big trench abund ferricrete slabs intensely py+/-cp alt brx text intrus
Par	JF	5520535.00	670147.00			J486253	old trench massive py, silc. vol? rusty limonite
Par	JF	5520765.00	669929.00			J486254	gossan zone just off road, altered silicified intrusive rusty chips
Par	JF	5520773.00	669751.00			J486255	intrusive, limon vns, Ht
Par	JF	5520771.00	669753.00			J486256	Qtz porphyry, weakly silicd
Par	JF	5520741.00	669770.00			J486257	Qtz porphyry, strongly silicd, py clots
Par	JF	5521580.00	670540.00			J486258	outcrop in drainage cut, QFP? altered ,silicifed, minor py, some strong py in qtz, veins also,strong lim
Par	JF	5521717.00	670523.00			J486259	small outcrop on ridge spine above creek,more mafic intrusive? diorite? seems silicified, minor py ,limomite
Par	JF	5521877.00	670450.00			J486260	scrappy outcrop above creek, same as 259 but some sericite
Par	JF	5521673.00	670411.00			J486261	West side of creek, old pit?, random chip on a scrappy outcrop above creek, intrusive QSP?
Par	JF	5521812.00	670307.00			J486262	West side on creek near old cabin, outcrop very silicifed, maybe a felsic dyke? rusty in spots and minor lim
Par	JB	5520479.09	670073.46	1034.98	02-MAY-13 11:38:26AM	J486469	drill collar on o/c. skarny altd' volc? or brx'd altd intrus, loc strong Mt +/- py, cp brx, vn/stkwk
Par	JB	5520452.27	670046.52	1039.06	02-MAY-13 11:59:02AM	J486470	o/c Mt stkwk'd volcanic/tuff with strong py+/- cp overprint with Qtz-sx vns Bdg 205/30
Par	JB	5520363.23	670057.00	1022.24	02-MAY-13 12:24:32PM	J486471	S end of major trench, v. intense phyllic alt intrus, loc pyritic brx cut by sheeted qtz-sx vns
Par	JB	5520395.73	670076.44	1027.05	02-MAY-13 1:10:25PM	J486472	trench boulders strong phyllic alt intrus, mal-azur stain, clots cp+bo+/- cc
Par	JB	5520508.72	670150.34	1027.05	02-MAY-13 1:44:53PM	J486473	short adit into hillside, perv alt intrus stkwk to brx mt/ht cut by Ht>qtz vns, 2-5% diss py+/-cp
Par	JB	5520499.81	670162.57	1012.87	02-MAY-13 2:21:25PM	J486474	short adit intensely py alt'd loc mt/ht brx'd intrus
Par	JB	5520112.84	669878.56	1021.52	03-MAY-13 8:35:12AM	J486475	abund o/c strongly shrd intrus, loc sil, oxid'd py stringers, diss py. Shr fabric 020/65E
Par	JB	5520130.86	669883.07	1020.56	03-MAY-13 9:02:40AM	J486476	intense rusty silica
Par	JB	5520563.59	670232.36	980.18	03-MAY-13 10:31:24AM	J486477	s/c or o/c volcaniclastic, lap size rounded to ang clasts, hematite+/- magnetite matrix, includes intrus and qtz frags
Par	JB	5520521.43	670293.32	961.44	03-MAY-13 10:56:22AM	J486478	big o/c rusty shrd and perv silic'd rock, abund FeOx, poss ser/ill or clay, looks like adv arg
Par	JB	5520476.93	670257.46	972.25	03-MAY-13 11:16:27AM	J486479	big o/c massive silica rib, silica brx, py boxworks, loc coarse ser in vugs
Par	JB	5520461.12	670262.60	975.86	03-MAY-13 11:43:17AM	J486480	4-5 m wide strongly jarositic/hematitic silica altd QFP, loc perv kaol alt'd Fs phenos, strong f.g. py with silica where not oxid'd - adv arg?!
Par	JB	5520329.76	670297.88	970.81	03-MAY-13 12:45:58PM	J486481	big o/c QP dyke, perv silica, riddled with clear qtz stringers, clots v.f.g. diss py
Par	JB	5520321.18	670302.85	975.86	03-MAY-13 1:09:55PM	J486482	big o/c QP riddled with qtz stringers, FeOx boxworks. Drill steel in swamp just below

Area	Geol	y_proj	x_proj	Elev	Date	Sample	Comment
Coke	JB	5513571.22	677749.42	1426.71	08-MAY-13 10:35:27AM	J486489	Big trench abund ferricrete slabs intensely py+/-cp alt brx text intrus
Par	TB	5520762.03	669929.59	1030.65	2013/05/03 20:42:20+00	J486483	Gossan just off the road - mainly subcrop but very discreet so probably local. It is comprised of strongly limonitic soil, pebbles and cobbles of phyllic altered feldspar porphyry, and strong hematite overprint including hematite veins and vein breccia. JB - subcrop silic'd volc or intrus, loc sil-ht vnlets
Par	TB	5520398.51	670081.75	1018.43	2013/05/02 20:10:58+00	M458551	Sample collected in a historic trench from two heavily Cu stained boulders. Rocks are comprised primarily of massive magnetite and magnetite stockwork hosted in clay altered rock with obliterated texture. 1-2% chalco in 1-2mm Qz+ magnetite +Cu veins and in wispy pods disseminated in magnetite. JB trench boulders mal stained alt intrus Mt/Ht +/- py, cp stkwk
Par	TB	5520525.82	670279.78	969.35	2013/05/02 21:05:06+00	M458552	Possibly a boulder or insitu - not far traveled - large and angular. Totally silica flooded with x-cutting later sheeted qz veins and qz stockwork. Minor pyrite and rare trace of incandescent black mineral. JB - intense perv multiphase silic'n
Par	JB	5520548.08	670144.19	1014.07	02-MAY-13 2:31:44PM	M458553	small trench intense silica-py to pyritic alt
Par	TB	5520192.94	669928.80	1023.50	2013/05/03 15:58:27+00	M458554	Sheared quartz porphyry intrusive? X-cut by 1-3mm Qz veins. 2% pyrite. S1 000/90
Par	TB	5519945.76	669842.68	1023.64	2013/05/03 16:27:25+00	M458555	Sheared silicified intrusive rock with 1% Py and tr hematite. JB -shrd silic'd gran, py, loc silic'd flt brx
Par	TB	5520004.99	670305.88	974.48	2013/05/03 18:43:03+00	M458556	Quartz-Feldspar porphyry with 5% quartz eyes (1-2mm) and variable amounts of fld phenos up to 30% volume. Minor oxidized pyrite and black hematite. Moderate Fe-Ca alteration
Par	TB	5520304.71	670293.75	963.85	2013/05/03 20:22:56+00	M458557	sintery boxwork of massive silica replacement and fine stockwork. Strongly Fe stained with minor limonite crust.
Par	TB	5520715.60	669971.16	1017.29	2013/05/10 15:39:29+00	M458576	Scrappy OC. OC pattern looks a bit like breccia but fresh surfaces expose a homogenous light gray green rock with little primary texture. <1mm limonite seams x-cut the rock and form small pods and in places rim now-destroyed feldspar phenocrysts. Rock was probably feldspar porphyry - now it is weakly sericite altered and Fe-Ca altered, although it does not react to HCL. Little evidence of strong tectonism, but the rock probably is sheared. Tr. Py.
Par	TB	5520697.41	670269.25	986.24	2013/05/10 16:22:11+00	M458577	A number of exposures here under fallen trees (really OC though). The rock is strongly silicified to the point of complete textural destruction and then brecciated with kaolin matrix to the breccia. Breccia is variably developed with some areas having 50% 2mm-2cm silica clasts in a kaolin matrix, others areas comprising massive but fractured silica. 1% py dis in the silica and in a few locations there are py stringers equaling about 4% volume. Strongly hematite stained probably partly due to forest fire. Exposed over 12X3m area.

Area	Geol	y_proj	x_proj	Elev	Date	Sample	Comment
Coke	JB	5513571.22	677749.42	1426.71	08-MAY-13 10:35:27AM	J486489	Big trench abund ferricrete slabs intensely py+/-cp alt brx text intrus
Par	TB	5520794.52	670310.47	983.41	2013/05/10 16:41:47+00	M458578	Highly siliceous feldspar porphyry (possibly with quartz pheno's). Contains 1-2% dis py. Fld phenos where visible are replaced by white soft clay. Some minor brecciation with clay in-filling is present. Orange and red rusty rock. 12X2 exposure.
Par	TB	5520826.17	670333.01	979.55	2013/05/10 16:53:00+00	M458579	Very siliceous fld porphyry. Probably altered QFP, with clay altered fld. 1% py. Rusty yellow and red. Slight sheared due to fault in creek?
Par	TB	5520904.15	670335.66	983.61	2013/05/10 17:10:33+00	M458580	Siliceous fld phyric intrusive rock with mod to strong phyllic alteration + 1% pyrite. Abundant rusty surfaces.
Par	TB	5520970.65	670334.49	985.41	2013/05/10 17:30:38+00	M458581	Sheared strongly clay altered rock with seams of limonite and hematite between clay rich domains. Some rare siliceous angular fragments remain. Roughly 335/80 Tr py.
Par	TB	5521056.37	670131.05	1011.33	2013/05/11 21:03:27+00	M458583	Strongly Fe-Ca altered, bleached rock with coarse calcite veins and tr. Py. Texture is annihilated - probably intrusive.
Par	TB	5521316.81	670506.14	973.51	2013/05/11 21:26:00+00	M458584	Moderate to strongly clay altered sheared quartz porphyry. Probably originally a QFP but groundmass and fld are altered to clay and sheared until no texture except 1-mm, Qz crystals remain. In places 1-3% pyrite is disseminated and minor pyrite stringers are rare. A lot of limonite but little calcite. Sample includes a quartz vein with pyrite.
Par	TB	5520383.01	670394.68	982.44	2013/05/12 16:40:48+00	M458585	QFP intrusion with 6% 2mm qz eyes and 60% altered fld which are altered to calcite. GM is silicified and has a pale green hue with possible sericite. Weakly rusty but no visible py.
Par	TB	5520288.32	670398.39	982.63	2013/05/12 17:01:27+00	M458586	Possibly sampled from a boulder but large and angular = local. Equigranular m.g. Hbl monzodiorite x-cut by quartz-epidote veins that have 1-2 cm K-fld selvages where all fld in the selvage is altered to K-feldspar.
Par	TB	5520150.01	670394.98	975.17	2013/05/12 17:38:17+00	M458587	Quartz porphyry granite with 30% 3-5mm an-subhedral quartz eyes in a silicified groundmass with a trace or euhedral disseminated Py.
Par	JB	5520445.09	670048.02	1034.50	10-MAY-13 8:17:10AM	M458602	skarny altd volcanic, strong Mt, loc poddy massive Mt, variable bleaching, silicn, tr mal, azur
Par	JB	5520409.04	670066.17	1020.80	10-MAY-13 8:38:34AM	M458603	170 trench with 15m long exposure v rusty sx+Mt+/-Ht stockworked volc and intense pervasive silica-adv arg altered intrus? Sample is stockworked volc with azur on frct
Par	JB	5520412.39	670072.54	1022.00	10-MAY-13 9:06:59AM	M458604	trench boulders massive silica with abund boxworks, flaky sericite on fract, FeOx stringers
Par	JB	5520416.26	670097.58	1023.44	10-MAY-13 9:18:30AM	M458605	Mt/Ht+/- cp stkwk altered rock with abund mal/azur on frcts
Par	JB	5520801.97	670358.52	964.56	10-MAY-13 10:06:54AM	M458606	rusty limonitic silica+/-py altd brx
Par	JB	5520729.75	669760.70	1036.66	11-MAY-13 1:38:24PM	M458607	c.g. gran, tr py, jar/ht
Par	JB	5521379.37	670512.67	970.33	11-MAY-13 2:32:25PM	M458608	strongly FeCb-sil-tr py alt int? no texture preserved
Par	JB	5521158.26	670117.31	1016.47	11-MAY-13 2:57:33PM	M458609	patchy FeCb-sil-tr py
Par	JB	5520364.98	670398.55	978.02	12-MAY-13 9:46:15AM	M458610	crdd FQP, mod sil, sheeted lim stringers
Par	JB	5520272.35	670375.96	964.08	12-MAY-13 9:57:54AM	M458611	shrd crdd FQP, rusty weath, lim on shr planes

Area	Geol	y_proj	x_proj	Elev	Date	Sample	Comment
Coke	JB	5513571.22	677749.42	1426.71	08-MAY-13 10:35:27AM	J486489	Big trench abund ferricrete slabs intensely py+/-cp alt brx text intrus
Par	JB	5520523.35	670181.39	1005.66	18-JUN-13 11:45:25AM	M458612	proximal angular talus boulder per sil-py poss vein; other boulders of porphyry clast breccia with hematitic matrix, bleb/stringers cp
Par	JB	5520351.34	669971.27	1041.71	18-JUN-13 1:21:45PM	M458613	inytensely silic'd rusty porphyry, mt/ht stringers
Thalia	JB	5523809.78	674840.66	1020.32	10-APR-13 12:05:18PM	J486464	vaguely plag phyric dior, tr spec ht, qtz, cal, epid vnlets, loc sheeted, loc strong mal on shrs
Thalia	JB	5523342.18	674949.26	1040.02	10-APR-13 12:46:12PM	J486465	big trench, mod cb altd dior, qtz, cal vnlets, strong mal on abund frct's
Thalia	JB	5523321.04	674936.01	1047.71	10-APR-13 12:56:41PM	J486466	smaller trench, mod cb altd dior, qtz, cal vnlets, strong mal on abund frct's, shrs
Thalia	JB	5523255.40	675004.57	1033.78	10-APR-13 1:16:40PM	J486467	small trench mod cb alt dior, poss spec ht
Thalia	JB	5523371.93	674946.32	1055.16	05-MAY-13 1:15:19PM	J486488	strong brittle shr fabric 035/90 in int, abund ht, cal stringers, pink Fs
Thalia	TB	5523318.72	674919.68	1059.70	2013/05/05 19:47:57+00	M458563	Small trench up slope of main trench and drill hole. Sample taken from diorite with fine to medium grain preserved texture. Rock is moderately calcite altered and some Hbl is replaced by specular hematite. Sample is from a small trench with one zone of well mineralized rock with intense malachite + calcite veining.
Thalia North	JB	5524182.79	674483.75	1079.68	05-MAY-13 11:20:35AM	J486487	Plag phyric amyg bas, variable cal filled amygs, brick red matrix, cal vns, cal assoc with cc and mal
Thalia North	TB	5524197.08	674504.87	1072.54	2013/05/05 18:13:00+00	M458562	Sample of Cu mineralized rock from a trench. Brick red fld phyric volcanic rock x-cut by abundant malachite and chalcosite veins and replacement pods. Chalcosite is finely disseminated in the rock. Sample is taken only from mineralized rocks in the trench but much of the exposed rock is unmineralizaed red fld phyric volcanic. Epidote and calcite are closely associated with mineralization but not pervasive.
Thor 5	JB	5522655.75	673551.98	1156.82	09-MAY-13 12:51:37PM	J486250	blast pit deep green int? chl+/-Ksp alt, nonmagnetic, diss Cp+cu pitch/cc, mal frcts
Thor 5	JB	5522659.64	673559.01	1153.70	09-MAY-13 12:54:57PM	J486251	blast pit deep green int? chl+/-Ksp alt, nonmagnetic, diss Cp+cu pitch/cc, mal frcts
Thor 5	TB	5522461.47	673517.09	1152.31	2013/05/09 20:58:02+00	J486252	Location of historical sample and small blasted excavation into OC. Surface of OC has malachite stains and visible outlines of fluoidal monzodiorite clasts in a monzodiorite groundmass. The rock is very magnetic and appears homogenous on fresh surfaces. A little bit of malachite in on rock surfaces in the blast dump as well. Incipient intrusive breccia.
Thor 5	JB	5522655.75	673551.98	1156.82	09-MAY-13 12:51:37PM	J486499	blast pit deep green int? chl+/-Ksp alt, nonmagnetic, diss Cp+cu pitch/cc, mal frcts

Area	Geol	y_proj	x_proj	Elev	Date	Sample	Comment
Coke	JB	5513571.22	677749.42	1426.71	08-MAY-13 10:35:27AM	J486489	Big trench abund ferricrete slabs intensely py+/-cp alt brx text intrus
Thor 5	TB	5522794.90	673493.98	1130.67	2013/05/09 18:20:45+00	M458574	Rd cut with a variety of local rubble. Mainly monomict breccia with angular clasts of white hbl phyric intrusive rock in a highly epidote altered g.m. Which is essentially the same composition as the clasts but very green and altered. A "vein" of highly Fe-Ca altered rock goes up the slope (as a rubble train). Fleishman collected a few pieces of breccia rock with weak malachite staining for the sample. Lots of epidote and calcite veins here and many boulders are covered with a secondary calcite crust.
Thor 5	TB	5522525.58	673479.47	1160.52	2013/05/09 21:27:26+00	M458575	OC of pretty homogenous monzodiorite with fld + hbl phenocrysts moderately-strongly magnetic. Not really brecciated but some colour variation/mottled green to pinkish white colour due to epidote alteration. Sample is of a few strongly malachite stained spots on the OC - most of the OC is not mineralized and the source of the Cu staining is invisible.
Thor 5	JB	5522479.61	673360.38	1160.91	09-MAY-13 1:57:23PM	M458601	int brx, mod epid, epid frcts, loc wk ht
Zig-Nor	JB	5525547.61	673353.82	1265.69	04-MAY-13 10:03:48AM	J486484	small shaft, extensive trenching/blasting; rock is polymictic volc cong/brx with variably rounded to angular mafic to int volc and intrusive clasts, loc interbeds volc sst abund cal vning, epid on frcts, mal +/- cc mainly on frcts. High grade sample
Zig-Nor	JB	5525468.80	673411.51	1238.53	04-MAY-13 10:41:39AM	J486485	orange weath volc sst to cobble cong, cal/ank veins commons, abund mal. Chip 1.5 m
Zig-Nor	TB	5525404.05	673420.46	1222.04	2013/05/04 17:25:35+00	M458558	Polymict agglomerate with subangular clasts including red fld + Hbl phyric volcanics, white vein qz and white QFP. Rock has patchy malachite staining on surface and fractures and 1-2mm qz-calcopyrite veins and patchy malachite replacement of fld. 10% QFP clasts - possibly intrusive. Rock is moderately Fe-Ca altered.
Zig-Nor	TB	5525422.56	673431.95	1230.74	2013/05/04 17:47:39+00	M458559	Agglomerate with white and pink magnetic fld + Hbl intrusive clasts (30%) + brick red clasts. Rock is x-cut by epidote veins and has patchy malachite staining on fracture surfaces.
Zig-Nor	JB	5526608.63	673721.33	1216.67	04-MAY-13 1:22:31PM	J486486	maroon/green volc'clastics, variable epid alt, qtz-cb stringers loc Mt as selvage, tr mal in veins and on frcts
Zig-Nor	TB	5526140.60	673668.29	1238.85	2013/05/04 18:49:34+00	M458560	Mostly red Fs. phyric lap tuff flooded with slightly greenish calcite and calcite veins. GM replacement. Tr py.

Sample	Wt	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb
	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
J486489	1.22	0.010	0.5	2.83	29	-10	530	-0.50	-2	1.64	3.80	12	5	257	5.68	10	1	0.18	-10	2.78	2560	-1	0.02	6	1840	8
J486498	2.98	0.007	0.9	1.94	168	-10	30	-0.50	-2	0.52	8.40	24	10	87	5.94	10	1	0.21	-10	1.96	1650	1	0.01	9	1330	45
M458572	1.22	0.233	52.2	0.39	119	-10	10	-0.50	-2	2.96	3.40	25	1	6520	5.26	-10	1	0.30	-10	0.35	1395	8	0.01	3	1350	294
M458573	1.40	0.007	0.6	2.24	26	-10	210	-0.50	-2	0.76	-0.50	23	12	336	5.87	10	-1	0.21	-10	1.88	1255	3	0.03	10	1580	8
J486490	1.30	0.024	52.5	2.06	4	-10	30	0.60	10	5.01	1.40	24	3	10650	6.72	10	1	0.10	20	1.62	2360	-1	0.03	5	3120	7
J486491	1.74	0.019	0.3	1.54	31	-10	60	-0.50	-2	1.52	0.60	16	2	281	3.91	10	1	0.11	10	0.82	1315	-1	0.03	-1	1730	27
J486492	2.08	0.005	-0.2	0.76	-2	-10	40	-0.50	-2	1.62	-0.50	9	1	159	2.25	-10	-1	0.11	10	0.38	533	-1	0.04	-1	820	4
J486493	1.88	0.458	0.9	1.48	-2	-10	40	0.50	-2	4.42	-0.50	16	6	2370	4.79	10	-1	0.12	10	1.30	2320	-1	0.03	3	1900	5
J486494	1.86	0.006	0.7	2.11	6	-10	20	0.50	-2	2.38	1.10	21	9	301	4.94	10	-1	0.06	10	1.86	3310	-1	0.02	6	1900	138
J486495	1.38	0.013	0.2	2.45	9	10	50	0.50	-2	3.09	1.10	26	13	393	5.86	10	1	0.07	10	2.19	5050	-1	0.03	8	1980	23
J486496	1.58	0.003	0.2	2.30	13	10	110	-0.50	-2	1.47	-0.50	25	10	10	9.59	10	1	0.06	-10	2.07	1925	-1	0.03	13	1550	-2
M458561	1.40	-0.001	-0.2	1.09	3	-10	1910	-0.50	-2	7.02	-0.50	13	3	80	1.75	-10	1	0.05	-10	1.04	1320	-1	0.02	2	880	2
M458564	1.08	0.074	0.5	1.37	2	-10	370	-0.50	-2	3.28	-0.50	15	1	1405	4.20	10	-1	0.12	10	1.13	1805	-1	0.04	2	1860	19
M458565	1.18	0.030	0.4	1.19	4	10	30	0.50	-2	3.19	-0.50	14	2	604	4.23	10	1	0.13	10	0.85	925	-1	0.06	1	1980	4
M458567	1.16	0.036	-0.2	1.78	15	-10	30	-0.50	-2	4.40	-0.50	48	1	200	16.30	10	-1	0.06	60	1.47	1820	-1	0.03	7	5840	3
M458568	1.06	0.216	0.3	1.40	4	-10	60	-0.50	-2	1.40	-0.50	26	3	896	4.30	10	-1	0.08	10	1.07	1510	1	0.03	3	2120	41
M458569	1.64	0.255	1.2	1.33	-2	-10	40	-0.50	-2	2.53	-0.50	18	2	2040	5.50	10	1	0.11	10	0.83	1645	-1	0.04	2	1930	20

Sample	Wt	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb
	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
J486489	1.22	0.010	0.5	2.83	29	-10	530	-0.50	-2	1.64	3.80	12	5	257	5.68	10	1	0.18	-10	2.78	2560	-1	0.02	6	1840	8
J486253	2.42	0.015	0.2	0.87	-2	-10	20	-0.50	-2	0.02	-0.50	12	4	122	5.85	-10	-1	0.11	-10	0.24	87	5	0.02	2	300	2
J486254	1.40	0.001	-0.2	0.27	-2	-10	220	-0.50	-2	0.07	-0.50	1	2	20	1.30	-10	-1	0.12	-10	0.02	34	1	0.03	-1	170	2
J486255	1.98	0.003	-0.2	0.27	12	-10	60	-0.50	-2	0.14	-0.50	7	3	35	1.78	-10	1	0.18	-10	0.05	309	1	0.04	1	330	2
J486256	1.30	0.001	-0.2	0.18	-2	-10	340	-0.50	-2	1.05	-0.50	1	4	2	0.74	-10	-1	0.13	10	0.10	429	1	0.04	2	170	-2
J486257	0.96	0.001	-0.2	0.20	3	-10	310	-0.50	-2	0.13	-0.50	1	4	13	0.66	-10	1	0.13	10	0.01	234	1	0.03	-1	160	-2
J486258	1.66	0.005	0.3	0.48	-2	-10	20	-0.50	-2	0.38	-0.50	2	5	7	1.57	-10	1	0.05	-10	0.31	369	4	0.07	1	180	-2
J486259	1.22	0.004	-0.2	1.05	-2	-10	20	-0.50	-2	0.07	-0.50	2	5	5	2.40	10	-1	0.03	-10	0.57	516	-1	0.05	1	430	-2
J486260	1.10	0.001	-0.2	1.83	-2	-10	10	-0.50	-2	2.19	-0.50	12	2	39	5.22	10	1	0.03	-10	0.79	894	-1	0.04	-1	880	-2
J486261	2.06	-0.001	-0.2	0.30	-2	-10	280	-0.50	-2	0.49	-0.50	1	4	3	1.25	-10	-1	0.11	10	0.07	399	-1	0.05	-1	340	-2
J486262	1.80	0.001	0.3	0.40	8	-10	230	-0.50	-2	0.41	-0.50	5	4	123	2.23	-10	1	0.09	10	0.79	378	-1	0.06	1	520	-2
J486469	1.80	0.108	0.4	1.56	14	-10	10	-0.50	-2	0.05	-0.50	26	4	969	24.70	10	-1	0.03	-10	0.50	211	49	-0.01	2	270	-2
J486470	2.14	0.052	0.3	1.20	9	-10	20	-0.50	3	0.02	-0.50	12	7	883	21.30	-10	1	0.08	-10	0.21	65	8	0.02	1	280	-2
J486471	1.80	0.013	0.5	0.24	6	-10	30	-0.50	-2	0.02	-0.50	30	13	467	3.89	-10	-1	0.09	-10	0.03	36	39	0.01	3	140	-2
J486472	2.14	0.589	1.1	0.57	938	-10	20	-0.50	-2	0.04	-0.50	26	10	7640	%	-10	11	0.12	-10	0.01	18	9	0.02	4	330	-2
J486473	2.64	0.113	1.7	0.56	8	-10	30	-0.50	2	0.08	-0.50	97	7	3760	11.55	-10	-1	0.10	-10	0.50	511	14	0.01	7	100	-2
J486474	2.34	0.195	1.0	1.39	2	-10	50	-0.50	3	0.03	-0.50	65	7	1385	13.35	-10	-1	0.08	-10	0.50	374	272	0.01	4	200	-2
J486475	2.12	0.002	-0.2	0.27	4	-10	20	-0.50	-2	0.02	-0.50	1	7	15	1.60	-10	-1	0.15	-10	0.01	65	3	0.04	1	320	3
J486476	2.38	0.002	-0.2	0.23	5	-10	70	-0.50	-2	0.01	-0.50	2	12	7	1.65	-10	-1	0.14	10	0.01	40	7	0.03	1	300	2
J486477	1.38	0.058	0.5	1.43	-2	-10	20	-0.50	-2	0.02	-0.50	9	3	436	18.60	-10	-1	0.13	-10	0.35	191	28	0.01	8	190	3
J486478	1.48	0.003	-0.2	0.22	-2	-10	120	-0.50	-2	0.01	-0.50	-1	4	10	0.81	-10	-1	0.14	-10	0.01	15	4	0.02	3	80	4
J486479	1.24	0.070	0.8	0.04	5	-10	10	-0.50	-2	0.01	-0.50	-1	18	11	0.79	-10	-1	0.02	-10	-0.01	22	9	-0.01	2	130	9
J486480	1.78	0.220	4.5	0.02	30	-10	100	-0.50	-2	0.01	-0.50	-1	16	42	2.56	-10	1	0.09	-10	-0.01	27	11	0.01	1	160	30
J486481	1.06	0.030	1.5	0.02	-2	-10	1270	-0.50	2	0.02	-0.50	-1	16	6	0.61	-10	-1	0.03	-10	0.01	25	3	-0.01	1	40	122
J486482	1.62	0.051	2.1	0.02	12	-10	210	-0.50	2	0.03	-0.50	-1	21	9	1.06	-10	1	0.02	-10	0.01	31	13	-0.01	1	140	106

Sample	Wt	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb
	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
J486489	1.22	0.010	0.5	2.83	29	-10	530	-0.50	-2	1.64	3.80	12	5	257	5.68	10	1	0.18	-10	2.78	2560	-1	0.02	6	1840	8
J486483	2.16	0.001	-0.2	0.29	7	-10	210	-0.50	-2	0.38	-0.50	1	6	54	1.62	-10	-1	0.12	-10	0.06	922	2	0.03	-1	250	3
M458551	1.28	0.290	1.6	0.66	7	-10	30	-0.50	-2	0.01	-0.50	41	2	11050	18.80	-10	-1	0.06	-10	0.25	274	2	0.01	15	120	-2
M458552	0.84	0.034	0.5	0.03	-2	-10	10	-0.50	-2	0.01	-0.50	-1	13	50	0.50	-10	-1	0.02	-10	-0.01	36	1	-0.01	-1	60	3
M458553	1.16	0.013	-0.2	0.82	-2	-10	50	-0.50	-2	0.02	-0.50	32	4	226	8.07	-10	-1	0.12	-10	0.24	110	10	0.02	4	210	-2
M458554	0.68	0.006	0.3	0.29	21	-10	40	-0.50	-2	0.12	-0.50	1	3	14	1.17	-10	-1	0.17	-10	0.04	205	1	0.02	-1	600	9
M458555	1.46	-0.001	-0.2	0.33	-2	-10	110	-0.50	-2	0.22	-0.50	1	2	4	1.09	-10	-1	0.17	10	0.06	415	-1	0.02	1	340	-2
M458556	0.96	-0.001	-0.2	0.36	-2	-10	30	-0.50	-2	1.69	-0.50	3	3	2	1.48	-10	1	0.12	10	0.16	551	-1	0.02	-1	280	-2
M458557	1.32	0.033	9.5	0.03	5	-10	2330	-0.50	4	0.01	-0.50	-1	14	16	0.54	-10	1	0.02	-10	-0.01	25	6	-0.01	1	140	202
M458576	1.16	-0.001	-0.2	0.53	-2	-10	630	-0.50	-2	0.87	-0.50	2	4	8	1.83	-10	1	0.04	-10	0.55	545	-1	0.05	-1	320	2
M458577	1.10	0.010	-0.2	0.07	-2	-10	240	-0.50	-2	0.03	-0.50	-1	4	38	0.76	-10	-1	0.03	-10	0.01	23	1	0.01	-1	50	-2

Sample	Wt	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb
	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
J486489	1.22	0.010	0.5	2.83	29	-10	530	-0.50	-2	1.64	3.80	12	5	257	5.68	10	1	0.18	-10	2.78	2560	-1	0.02	6	1840	8
M458578	1.26	0.005	-0.2	0.34	3	-10	60	-0.50	-2	0.03	-0.50	-1	5	5	0.89	-10	-1	0.09	10	0.21	195	-1	0.05	1	200	14
M458579	1.42	0.011	-0.2	0.17	12	-10	50	-0.50	-2	0.07	-0.50	1	6	6	1.16	-10	1	0.09	-10	0.02	127	-1	0.06	1	250	6
M458580	1.12	0.002	0.2	0.18	6	-10	40	-0.50	-2	0.03	-0.50	-1	5	5	1.36	-10	-1	0.09	-10	0.02	47	1	0.06	-1	280	5
M458581	1.04	0.006	0.2	0.30	-2	-10	60	-0.50	2	0.02	-0.50	-1	2	16	1.25	-10	1	0.12	10	0.05	19	1	0.04	-1	90	15
M458583	1.52	-0.001	-0.2	0.38	-2	-10	90	-0.50	-2	1.90	-0.50	2	2	5	1.33	-10	1	0.17	10	0.08	1185	-1	0.02	-1	350	-2
M458584	1.42	0.004	-0.2	0.25	2	-10	290	-0.50	-2	0.54	-0.50	2	3	10	1.26	-10	-1	0.11	10	0.05	345	-1	0.04	-1	310	6
M458585	0.88	-0.001	-0.2	0.90	-2	-10	50	-0.50	-2	1.29	-0.50	3	4	5	1.78	-10	1	0.16	10	0.56	519	-1	0.04	-1	350	2
M458586	1.52	-0.001	-0.2	1.46	2	-10	170	-0.50	-2	1.57	-0.50	9	16	18	2.12	-10	-1	0.04	10	0.67	454	-1	0.02	4	670	2
M458587	1.10	0.004	0.3	0.62	14	-10	90	-0.50	-2	1.12	1.50	4	3	52	1.98	-10	1	0.12	-10	0.72	478	1	0.04	3	340	23
M458602	1.92	0.034	0.2	0.69	10	-10	40	-0.50	-2	0.05	-0.50	18	2	1100	22.90	-10	1	0.07	-10	0.13	134	4	0.01	6	300	-2
M458603	2.18	0.062	0.7	0.72	12	-10	20	-0.50	-2	0.06	-0.50	98	3	1670	28.30	-10	1	0.06	-10	0.19	411	18	0.01	9	340	-2
M458604	1.44	0.014	-0.2	0.08	-2	-10	10	-0.50	-2	0.02	-0.50	4	10	105	3.16	-10	-1	0.01	-10	0.01	60	257	-0.01	1	80	-2
M458605	1.50	0.087	0.4	2.79	-2	-10	10	-0.50	-2	0.01	-0.50	26	3	3540	17.40	-10	1	0.05	-10	0.87	163	10	-0.01	10	200	-2
M458606	1.12	0.145	0.8	0.03	-2	-10	10	-0.50	-2	0.01	-0.50	-1	13	25	0.77	-10	-1	0.01	-10	-0.01	22	5	-0.01	-1	110	2
M458607	0.76	0.002	-0.2	0.26	-2	-10	1470	-0.50	-2	0.06	-0.50	5	8	5	0.71	-10	-1	0.20	10	0.02	254	1	0.02	2	150	-2
M458608	1.46	0.001	-0.2	0.33	-2	-10	40	-0.50	-2	1.17	-0.50	2	6	18	1.70	-10	1	0.11	10	0.33	595	-1	0.04	1	360	2
M458609	1.92	0.001	-0.2	0.63	-2	-10	50	-0.50	-2	1.17	-0.50	3	5	10	1.60	-10	-1	0.14	10	0.27	810	-1	0.04	-1	400	-2
M458610	1.00	0.002	-0.2	0.35	2	-10	140	-0.50	-2	0.39	-0.50	3	8	6	1.44	-10	-1	0.07	10	0.18	258	1	0.06	3	320	6
M458611	1.08	0.007	0.4	0.57	9	-10	40	-0.50	-2	0.14	4.60	5	4	38	2.71	-10	1	0.14	10	0.21	159	5	0.04	10	410	45

Sample	Wt	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb
	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
J486489	1.22	0.010	0.5	2.83	29	-10	530	-0.50	-2	1.64	3.80	12	5	257	5.68	10	1	0.18	-10	2.78	2560	-1	0.02	6	1840	8
M458612	1.94	0.226	1.1	0.09	2	-10	10	-0.50	2	0.01	-0.50	94	13	505	15.90	-10	-1	0.02	-10	0.01	13	48	-0.01	17	10	-2
M458613	1.78	0.038	0.5	0.35	14	-10	90	-0.50	-2	0.02	-0.50	4	5	580	8.42	-10	-1	0.12	-10	0.02	80	13	0.01	1	350	-2
J486464		0.002	0.9	0.96	7	10	530	0.50	-2	2.98	-0.50	16	2	3500	2.36	-10	-1	0.15	10	1.92	1440	-1	0.04	2	1430	-2
J486465		0.001	5.7	1.31	3	-10	60	0.50	5	3.25	-0.50	14	4	9320	3.27	10	-1	0.11	10	1.50	892	1	0.08	2	1540	32
J486466		0.002	3.5	1.17	3	-10	280	-0.50	-2	4.15	-0.50	15	4	3180	2.62	10	-1	0.10	10	1.48	930	-1	0.06	2	1540	21
J486467		0.002	-0.2	0.81	3	10	800	0.50	-2	3.07	0.50	11	3	116	3.38	-10	-1	0.20	10	0.70	1130	-1	0.03	2	1330	9
J486488	1.16	0.001	0.2	0.45	-2	10	460	-0.50	-2	3.82	0.50	12	2	520	2.99	-10	-1	0.25	10	1.22	1045	-1	0.04	3	1620	10
M458563	1.46	0.001	1.5	1.41	-2	10	200	0.60	-2	3.35	-0.50	11	2	5120	1.94	-10	1	0.19	10	1.21	600	-1	0.03	1	1530	8
J486487	1.80	0.001	21.0	2.19	5	10	20	1.20	-2	7.20	-0.50	18	10	46000	2.54	10	1	0.04	10	0.83	863	-1	0.04	6	2180	24
M458562	1.36	0.001	13.7	2.38	5	10	130	1.20	-2	6.55	-0.50	12	9	31500	1.79	10	1	0.03	10	0.65	655	-1	0.05	5	1840	18
J486250	1.54	0.010	0.6	3.28	3	20	390	0.80	-2	6.76	0.50	24	1	1500	4.80	10	1	0.16	20	1.49	1910	-1	0.03	2	2220	6
J486251	1.92	0.008	0.5	3.91	2	30	70	1.30	-2	6.37	0.70	31	2	2440	6.66	20	1	0.02	20	1.65	2240	-1	0.05	2	2480	5
J486252	1.86	0.192	2.5	5.28	5	20	900	0.90	-2	6.73	0.50	16	3	2720	4.18	20	-1	0.03	10	1.48	1250	-1	0.04	5	1770	12
J486499	1.44	0.009	0.5	3.84	4	30	1030	1.00	-2	6.68	-0.50	27	2	1465	5.66	20	1	0.10	30	1.69	2100	-1	0.03	2	2420	7

Sample	Wt	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb
	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
J486489	1.22	0.010	0.5	2.83	29	-10	530	-0.50	-2	1.64	3.80	12	5	257	5.68	10	1	0.18	-10	2.78	2560	-1	0.02	6	1840	8
M458574	1.60	0.033	0.3	4.40	2	20	140	0.80	-2	5.33	-0.50	21	5	1060	4.58	20	1	0.04	10	1.43	1305	-1	0.03	4	2120	3
M458575	1.44	0.003	1.0	2.22	9	10	170	0.80	-2	3.04	-0.50	19	5	2190	4.29	10	-1	0.10	10	1.31	1210	-1	0.03	5	2230	2
M458601	1.24	0.002	-0.2	2.61	10	10	50	0.90	-2	2.80	-0.50	24	9	227	4.95	10	1	0.06	10	1.70	1135	-1	0.03	9	2750	2
J486484	1.76	0.006	6.4	3.55	3	10	220	0.70	-2	2.27	-0.50	17	7	12650	4.51	10	-1	0.09	10	1.43	1280	-1	1.09	5	1890	11
J486485	1.12	0.006	2.2	0.49	-2	10	150	0.50	-2	4.24	1.10	15	2	2510	3.43	-10	1	0.28	10	1.40	1405	-1	0.02	3	2040	9
M458558	1.18	0.011	3.0	0.44	-2	-10	180	0.50	-2	5.00	-0.50	10	3	7840	3.04	-10	-1	0.25	10	0.84	1130	-1	0.03	2	1810	9
M458559	1.00	0.007	0.5	1.62	8	-10	40	-0.50	-2	1.41	-0.50	20	11	2620	4.06	10	1	0.06	10	1.66	1290	-1	0.03	7	1900	4
J486486	1.94	0.004	0.2	1.54	4	-10	20	0.60	-2	3.64	-0.50	21	11	491	4.75	10	-1	0.12	10	1.97	1420	-1	0.05	8	2120	4
M458560	1.52	0.001	-0.2	2.49	5	20	30	0.90	-2	5.31	-0.50	12	3	181	2.65	10	-1	0.07	10	1.05	904	-1	0.05	1	1720	7

Sample	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
J486489	0.50	2	9	37	-20	0.08	-10	-10	142	-10	766
J486498	3.51	2	4	20	-20	0.01	-10	-10	73	-10	665
M458572	5.30	6	3	85	-20	-0.01	-10	-10	16	-10	416
M458573	0.74	3	7	26	-20	0.01	-10	-10	112	-10	265
J486490	-0.01	-2	12	99	-20	0.05	-10	-10	242	-10	205
J486491	-0.01	3	4	54	-20	0.10	-10	-10	146	-10	101
J486492	-0.01	-2	2	56	-20	0.11	-10	-10	84	-10	29
J486493	-0.01	-2	8	114	-20	0.01	-10	-10	186	-10	188
J486494	0.02	-2	7	124	-20	0.23	-10	-10	180	-10	399
J486495	-0.01	-2	10	198	-20	0.15	-10	-10	214	-10	348
J486496	-0.01	-2	5	76	-20	0.20	-10	-10	228	-10	164
M458561	0.05	2	4	291	-20	0.15	-10	-10	54	-10	39
M458564	0.02	2	5	110	-20	0.09	-10	-10	147	-10	149
M458565	0.01	2	3	106	-20	0.17	-10	-10	153	-10	79
M458567	-0.01	2	4	161	-20	0.13	-10	-10	282	-10	135
M458568	0.04	2	4	186	-20	0.17	-10	-10	130	-10	154
M458569	0.01	-2	4	77	-20	0.13	-10	-10	181	-10	176

Sample	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
J486489	0.50	2	9	37	-20	0.08	-10	-10	142	-10	766
J486253	2.21	-2	1	13	-20	-0.01	-10	-10	6	-10	18
J486254	0.07	-2	1	12	-20	-0.01	-10	-10	3	-10	8
J486255	0.06	-2	1	6	-20	-0.01	-10	-10	2	-10	17
J486256	0.01	-2	1	20	-20	-0.01	-10	-10	3	-10	10
J486257	0.10	-2	-1	9	-20	-0.01	-10	-10	1	-10	6
J486258	0.15	-2	4	5	-20	-0.01	-10	-10	1	-10	19
J486259	0.03	-2	8	2	-20	-0.01	-10	-10	7	-10	45
J486260	0.07	-2	15	12	-20	-0.01	-10	-10	48	-10	37
J486261	0.01	-2	2	17	-20	0.01	-10	-10	4	-10	42
J486262	0.01	-2	5	14	-20	-0.01	-10	-10	13	-10	104
J486469	0.43	-2	2	21	-20	0.01	-10	-10	12	-10	90
J486470	0.40	-2	1	39	-20	0.01	-10	-10	11	-10	38
J486471	3.06	-2	1	5	-20	-0.01	-10	-10	2	-10	27
J486472	0.34	68	1	23	-20	-0.01	-10	-10	2	-10	6
J486473	0.85	-2	1	8	-20	-0.01	-10	-10	12	-10	120
J486474	5.28	-2	2	8	-20	0.01	-10	-10	11	-10	93
J486475	0.19	-2	2	9	-20	-0.01	-10	-10	2	-10	9
J486476	0.21	-2	1	4	-20	-0.01	-10	-10	2	-10	11
J486477	0.18	-2	1	7	-20	0.01	-10	-10	16	-10	75
J486478	0.06	-2	-1	5	-20	-0.01	-10	-10	1	-10	6
J486479	0.01	2	-1	3	-20	-0.01	-10	-10	1	-10	3
J486480	0.42	3	-1	14	-20	-0.01	-10	-10	2	-10	4
J486481	0.22	-2	1	27	-20	-0.01	-10	-10	1	-10	3
J486482	0.05	2	-1	6	-20	-0.01	-10	-10	2	-10	3

Sample	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
J486489	0.50	2	9	37	-20	0.08	-10	-10	142	-10	766
J486483	0.14	-2	2	13	-20	-0.01	-10	-10	2	-10	63
M458551	0.46	-2	1	8	-20	-0.01	-10	-10	6	-10	136
M458552	0.04	2	-1	3	-20	-0.01	-10	-10	-1	-10	2
M458553	4.88	-2	-1	17	-20	-0.01	-10	-10	3	-10	27
M458554	0.14	2	2	5	-20	-0.01	-10	-10	1	-10	39
M458555	0.01	-2	3	6	-20	0.01	-10	-10	4	-10	28
M458556	0.01	-2	2	9	-20	-0.01	-10	-10	3	-10	32
M458557	0.11	2	-1	82	-20	-0.01	-10	-10	1	-10	2
M458576	0.02	-2	3	19	-20	-0.01	-10	-10	5	-10	95
M458577	0.27	-2	-1	11	-20	-0.01	-10	-10	1	-10	-2

Sample	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
J486489	0.50	2	9	37	-20	0.08	-10	-10	142	-10	766
M458578	0.11	-2	1	8	-20	-0.01	-10	-10	2	-10	27
M458579	0.22	-2	2	10	-20	-0.01	-10	-10	1	-10	18
M458580	0.18	-2	1	10	-20	-0.01	-10	-10	2	-10	16
M458581	0.07	-2	1	7	-20	-0.01	-10	-10	1	-10	13
M458583	0.07	-2	2	14	-20	-0.01	-10	-10	3	-10	33
M458584	0.12	-2	2	9	-20	-0.01	-10	-10	1	-10	51
M458585	0.02	-2	2	16	-20	-0.01	-10	-10	7	-10	65
M458586	0.05	-2	5	106	-20	0.17	-10	-10	56	-10	34
M458587	0.46	-2	2	18	-20	-0.01	-10	-10	11	-10	257
M458602	0.10	-2	1	47	-20	0.01	-10	-10	4	-10	44
M458603	1.75	-2	1	37	-20	0.01	-10	-10	6	-10	103
M458604	0.04	-2	-1	7	-20	-0.01	-10	-10	2	-10	22
M458605	0.14	-2	1	29	-20	0.01	-10	-10	8	-10	117
M458606	0.06	-2	-1	4	-20	-0.01	-10	-10	1	-10	3
M458607	0.05	-2	1	23	-20	-0.01	-10	-10	1	-10	5
M458608	-0.01	-2	3	21	-20	0.01	-10	-10	6	-10	55
M458609	-0.01	-2	2	11	-20	-0.01	-10	-10	4	-10	66
M458610	0.08	-2	2	15	-20	-0.01	-10	-10	9	-10	23
M458611	0.18	-2	2	12	-20	-0.01	-10	-10	16	-10	323

Sample	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
J486489	0.50	2	9	37	-20	0.08	-10	-10	142	-10	766
M458612	>10.0	-2	-1	2	-20	-0.01	-10	-10	3	-10	-2
M458613	0.19	-2	1	28	-20	-0.01	-10	-10	6	-10	36
J486464	0.07	-2	6	112	-20	0.02	-10	-10	52	-10	89
J486465	0.05	-2	10	73	-20	0.19	-10	-10	158	-10	87
J486466	0.04	-2	8	92	-20	0.12	-10	-10	118	-10	112
J486467	0.02	-2	6	77	-20	0.02	-10	-10	76	-10	86
J486488	-0.01	-2	8	99	-20	0.03	-10	-10	65	-10	58
M458563	0.02	-2	5	94	-20	0.02	-10	-10	60	-10	38
J486487	0.59	3	7	76	-20	0.16	-10	-10	176	-10	60
M458562	0.48	-2	5	75	-20	0.13	-10	-10	171	-10	47
J486250	0.06	-2	9	173	-20	0.09	-10	-10	183	-10	97
J486251	-0.01	-2	11	161	-20	0.14	-10	-10	244	-10	152
J486252	0.03	-2	7	151	-20	0.18	-10	-10	165	-10	70
J486499	0.03	2	9	231	-20	0.16	-10	-10	213	-10	123

Sample	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
J486489	0.50	2	9	37	-20	0.08	-10	-10	142	-10	766
M458574	-0.01	-2	7	189	-20	0.13	-10	-10	201	-10	78
M458575	0.02	-2	5	164	-20	0.11	-10	-10	166	-10	78
M458601	-0.01	-2	6	311	-20	0.18	-10	-10	209	-10	115
J486484	0.22	-2	7	109	-20	0.16	-10	-10	208	-10	78
J486485	0.02	-2	10	172	-20	0.02	-10	-10	92	-10	77
M458558	0.12	-2	7	180	-20	0.03	-10	-10	105	-10	47
M458559	0.06	-2	4	107	-20	0.12	-10	-10	158	-10	105
J486486	-0.01	-2	11	109	-20	0.19	-10	-10	197	-10	58
M458560	-0.01	-2	5	118	-20	0.11	-10	-10	174	-10	64

Appendix D Analytical Certificates

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

To: **WEST CIRQUE RESOURCES LTD**
530-510 BURRARD STREET
VANCOUVER BC V6C 3A8

Finalized Date: 13-APR-2013
Account: WESCIR

CERTIFICATE VA13061759

Project: AG

P.O. No.:

This report is for 4 Rock samples submitted to our lab in Vancouver, BC, Canada on 11-APR-2013.

The following have access to data associated with this certificate:

JOHN BRADFORD3	NIGEL LUCKMAN	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **WEST CIRQUE RESOURCES LTD**
ATTN: JOHN BRADFORD3
530-510 BURRARD STREET
VANCOUVER BC V6C 3A8

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **WEST CIRQUE RESOURCES LTD**
530 - 510 BURRARD STREET
VANCOUVER BC V6C 3A8

Finalized Date: 13 - APR - 2013
Account: WESCIR

Project: AG

CERTIFICATE OF ANALYSIS VA13061759

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
J486464		2.76	0.002	0.9	0.96	7	10	530	0.5	<2	2.98	<0.5	16	2	3500	2.36
J486465		2.06	0.001	5.7	1.31	3	<10	60	0.5	5	3.25	<0.5	14	4	9320	3.27
J486466		2.00	0.002	3.5	1.17	3	<10	280	<0.5	<2	4.15	<0.5	15	4	3180	2.62
J486467		2.72	0.002	<0.2	0.81	3	10	800	0.5	<2	3.07	0.5	11	3	116	3.38

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VANCOUVER BC V6C 3A8

Finalized Date: 13 - APR - 2013
Account: WESCIR

Project: AG

CERTIFICATE OF ANALYSIS VA13061759

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
J486464		<10	<1	0.15	10	1.92	1440	<1	0.04	2	1430	<2	0.07	<2	6	112
J486465		10	<1	0.11	10	1.50	892	1	0.08	2	1540	32	0.05	<2	10	73
J486466		10	<1	0.10	10	1.48	930	<1	0.06	2	1540	21	0.04	<2	8	92
J486467		<10	<1	0.20	10	0.70	1130	<1	0.03	2	1330	9	0.02	<2	6	77

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VANCOUVER BC V6C 3A8

Finalized Date: 13 - APR - 2013
Account: WESCIR

Project: AG

CERTIFICATE OF ANALYSIS VA13061759

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
J486464		<20	0.02	<10	<10	52	<10	89
J486465		<20	0.19	<10	<10	158	<10	87
J486466		<20	0.12	<10	<10	118	<10	112
J486467		<20	0.02	<10	<10	76	<10	86

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

To: **WEST CIRQUE RESOURCES LTD**
530-510 BURRARD STREET
VANCOUVER BC V6C 3A8

Finalized Date: 18-MAY-2013
Account: WESCIR

CERTIFICATE VA13085817

Project: AG

P.O. No.:

This report is for 92 Rock samples submitted to our lab in Vancouver, BC, Canada on 13-MAY-2013.

The following have access to data associated with this certificate:

JOHN BRADFORD	NIGEL LUCKMAN	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE

To: **WEST CIRQUE RESOURCES LTD**
ATTN: JOHN BRADFORD
11571 7TH AVE
RICHMOND BC V7E 3B7

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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

To: **WEST CIRQUE RESOURCES LTD**
530 - 510 BURRARD STREET
VANCOUVER BC V6C 3A8

Finalized Date: 18 - MAY - 2013
Account: WESCIR

Project: AG

CERTIFICATE OF ANALYSIS VA13085817

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
J486468		2.04	0.001	<0.2	0.46	7	<10	260	0.6	2	5.87	0.9	27	68	81	4.47
J486469		1.80	0.108	0.4	1.56	14	<10	10	<0.5	<2	0.05	<0.5	26	4	969	24.7
J486470		2.14	0.052	0.3	1.20	9	<10	20	<0.5	3	0.02	<0.5	12	7	883	21.3
J486471		1.80	0.013	0.5	0.24	6	<10	30	<0.5	<2	0.02	<0.5	30	13	467	3.89
J486472		2.14	0.589	1.1	0.57	938	<10	20	<0.5	<2	0.04	<0.5	26	10	7640	1.36
J486473		2.64	0.113	1.7	0.56	8	<10	30	<0.5	2	0.08	<0.5	97	7	3760	11.55
J486474		2.34	0.195	1.0	1.39	2	<10	50	<0.5	3	0.03	<0.5	65	7	1385	13.35
J486475		2.12	0.002	<0.2	0.27	4	<10	20	<0.5	<2	0.02	<0.5	1	7	15	1.60
J486476		2.38	0.002	<0.2	0.23	5	<10	70	<0.5	<2	0.01	<0.5	2	12	7	1.65
J486477		1.38	0.058	0.5	1.43	<2	<10	20	<0.5	<2	0.02	<0.5	9	3	436	18.6
J486478		1.48	0.003	<0.2	0.22	<2	<10	120	<0.5	<2	0.01	<0.5	<1	4	10	0.81
J486479		1.24	0.070	0.8	0.04	5	<10	10	<0.5	<2	0.01	<0.5	<1	18	11	0.79
J486480		1.78	0.220	4.5	0.02	30	<10	100	<0.5	<2	0.01	<0.5	<1	16	42	2.56
J486481		1.06	0.030	1.5	0.02	<2	<10	1270	<0.5	2	0.02	<0.5	<1	16	6	0.61
J486482		1.62	0.051	2.1	0.02	12	<10	210	<0.5	2	0.03	<0.5	<1	21	9	1.06
J486483		2.16	0.001	<0.2	0.29	7	<10	210	<0.5	<2	0.38	<0.5	1	6	54	1.62
J486484		1.76	0.006	6.4	3.55	3	10	220	0.7	<2	2.27	<0.5	17	7	>10000	4.51
J486485		1.12	0.006	2.2	0.49	<2	10	150	0.5	<2	4.24	1.1	15	2	2510	3.43
J486486		1.94	0.004	0.2	1.54	4	<10	20	0.6	<2	3.64	<0.5	21	11	491	4.75
J486487		1.80	0.001	21.0	2.19	5	10	20	1.2	<2	7.2	<0.5	18	10	>10000	2.54
J486488		1.16	0.001	0.2	0.45	<2	10	460	<0.5	<2	3.82	0.5	12	2	520	2.99
J486489		1.22	0.010	0.5	2.83	29	<10	530	<0.5	<2	1.64	3.8	12	5	257	5.68
J486490		1.30	0.024	52.5	2.06	4	<10	30	0.6	10	5.01	1.4	24	3	>10000	6.72
J486491		1.74	0.019	0.3	1.54	31	<10	60	<0.5	<2	1.52	0.6	16	2	281	3.91
J486492		2.08	0.005	<0.2	0.76	<2	<10	40	<0.5	<2	1.62	<0.5	9	1	159	2.25
J486493		1.88	0.458	0.9	1.48	<2	<10	40	0.5	<2	4.42	<0.5	16	6	2370	4.79
J486494		1.86	0.006	0.7	2.11	6	<10	20	0.5	<2	2.38	1.1	21	9	301	4.94
J486495		1.38	0.013	0.2	2.45	9	10	50	0.5	<2	3.09	1.1	26	13	393	5.86
J486496		1.58	0.003	0.2	2.30	13	10	110	<0.5	<2	1.47	<0.5	25	10	10	9.59
J486497		2.38	0.225	5.9	1.56	21	<10	40	<0.5	<2	1.45	2.8	26	16	3040	4.32
J486498		2.98	0.007	0.9	1.94	168	<10	30	<0.5	<2	0.52	8.4	24	10	87	5.94
J486499		1.44	0.009	0.5	3.84	4	30	1030	1.0	<2	6.68	<0.5	27	2	1465	5.66
M458601		1.24	0.002	<0.2	2.61	10	10	50	0.9	<2	2.80	<0.5	24	9	227	4.95
M458602		1.92	0.034	0.2	0.69	10	<10	40	<0.5	<2	0.05	<0.5	18	2	1100	22.9
M458603		2.18	0.062	0.7	0.72	12	<10	20	<0.5	<2	0.06	<0.5	98	3	1670	28.3
M458604		1.44	0.014	<0.2	0.08	<2	<10	10	<0.5	<2	0.02	<0.5	4	10	105	3.16
M458605		1.50	0.087	0.4	2.79	<2	<10	10	<0.5	<2	0.01	<0.5	26	3	3540	17.4
M458606		1.12	0.145	0.8	0.03	<2	<10	10	<0.5	<2	0.01	<0.5	<1	13	25	0.77
M458607		0.76	0.002	<0.2	0.26	<2	<10	1470	<0.5	<2	0.06	<0.5	5	8	5	0.71
M458608		1.46	0.001	<0.2	0.33	<2	<10	40	<0.5	<2	1.17	<0.5	2	6	18	1.70

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

ALS Canada Ltd.
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To: **WEST CIRQUE RESOURCES LTD**
530 - 510 BURRARD STREET
VANCOUVER BC V6C 3A8

Finalized Date: 18 - MAY - 2013
Account: WESCIR

Project: AG

CERTIFICATE OF ANALYSIS VA13085817

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
J486468		<10	<1	0.17	10	2.66	1010	1	0.03	79	380	8	0.01	<2	18	121
J486469		10	<1	0.03	<10	0.50	211	49	<0.01	2	270	<2	0.43	<2	2	21
J486470		<10	1	0.08	<10	0.21	65	8	0.02	1	280	<2	0.40	<2	1	39
J486471		<10	<1	0.09	<10	0.03	36	39	0.01	3	140	<2	3.06	<2	1	5
J486472		<10	11	0.12	<10	0.01	18	9	0.02	4	330	<2	0.34	68	1	23
J486473		<10	<1	0.10	<10	0.50	511	14	0.01	7	100	<2	0.85	<2	1	8
J486474		<10	<1	0.08	<10	0.50	374	272	0.01	4	200	<2	5.28	<2	2	8
J486475		<10	<1	0.15	<10	0.01	65	3	0.04	1	320	3	0.19	<2	2	9
J486476		<10	<1	0.14	10	0.01	40	7	0.03	1	300	2	0.21	<2	1	4
J486477		<10	<1	0.13	<10	0.35	191	28	0.01	8	190	3	0.18	<2	1	7
J486478		<10	<1	0.14	<10	0.01	15	4	0.02	3	80	4	0.06	<2	<1	5
J486479		<10	<1	0.02	<10	<0.01	22	9	<0.01	2	130	9	0.01	2	<1	3
J486480		<10	1	0.09	<10	<0.01	27	11	0.01	1	160	30	0.42	3	<1	14
J486481		<10	<1	0.03	<10	0.01	25	3	<0.01	1	40	122	0.22	<2	1	27
J486482		<10	1	0.02	<10	0.01	31	13	<0.01	1	140	106	0.05	2	<1	6
J486483		<10	<1	0.12	<10	0.06	922	2	0.03	<1	250	3	0.14	<2	2	13
J486484		10	<1	0.09	10	1.43	1280	<1	1.09	5	1890	11	0.22	<2	7	109
J486485		<10	1	0.28	10	1.40	1405	<1	0.02	3	2040	9	0.02	<2	10	172
J486486		10	<1	0.12	10	1.97	1420	<1	0.05	8	2120	4	<0.01	<2	11	109
J486487		10	1	0.04	10	0.83	863	<1	0.04	6	2180	24	0.59	3	7	76
J486488		<10	<1	0.25	10	1.22	1045	<1	0.04	3	1620	10	<0.01	<2	8	99
J486489		10	1	0.18	<10	2.78	2560	<1	0.02	6	1840	8	0.50	2	9	37
J486490		10	1	0.10	20	1.62	2360	<1	0.03	5	3120	7	<0.01	<2	12	99
J486491		10	1	0.11	10	0.82	1315	<1	0.03	<1	1730	27	<0.01	3	4	54
J486492		<10	<1	0.11	10	0.38	533	<1	0.04	<1	820	4	<0.01	<2	2	56
J486493		10	<1	0.12	10	1.30	2320	<1	0.03	3	1900	5	<0.01	<2	8	114
J486494		10	<1	0.06	10	1.86	3310	<1	0.02	6	1900	138	0.02	<2	7	124
J486495		10	1	0.07	10	2.19	5050	<1	0.03	8	1980	23	<0.01	<2	10	198
J486496		10	1	0.06	<10	2.07	1925	<1	0.03	13	1550	<2	<0.01	<2	5	76
J486497		10	1	0.07	<10	1.03	1055	6	0.03	10	2270	176	0.48	<2	5	252
J486498		10	1	0.21	<10	1.96	1650	1	0.01	9	1330	45	3.51	2	4	20
J486499		20	1	0.10	30	1.69	2100	<1	0.03	2	2420	7	0.03	2	9	231
M458601		10	1	0.06	10	1.70	1135	<1	0.03	9	2750	2	<0.01	<2	6	311
M458602		<10	1	0.07	<10	0.13	134	4	0.01	6	300	<2	0.10	<2	1	47
M458603		<10	1	0.06	<10	0.19	411	18	0.01	9	340	<2	1.75	<2	1	37
M458604		<10	<1	0.01	<10	0.01	60	257	<0.01	1	80	<2	0.04	<2	<1	7
M458605		<10	1	0.05	<10	0.87	163	10	<0.01	10	200	<2	0.14	<2	1	29
M458606		<10	<1	0.01	<10	<0.01	22	5	<0.01	<1	110	2	0.06	<2	<1	4
M458607		<10	<1	0.20	10	0.02	254	1	0.02	2	150	<2	0.05	<2	1	23
M458608		<10	1	0.11	10	0.33	595	<1	0.04	1	360	2	<0.01	<2	3	21

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

ALS Canada Ltd.
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To: **WEST CIRQUE RESOURCES LTD**
530 - 510 BURRARD STREET
VANCOUVER BC V6C 3A8

Finalized Date: 18 - MAY - 2013
Account: WESCIR

Project: AG

CERTIFICATE OF ANALYSIS VA13085817

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-OG46 Cu % 0.001
J486468		<20	<0.01	<10	<10	97	<10	96	
J486469		<20	0.01	<10	<10	12	<10	90	
J486470		<20	0.01	<10	<10	11	<10	38	
J486471		<20	<0.01	<10	<10	2	<10	27	
J486472		<20	<0.01	<10	<10	2	<10	6	
J486473		<20	<0.01	<10	<10	12	<10	120	
J486474		<20	0.01	<10	<10	11	<10	93	
J486475		<20	<0.01	<10	<10	2	<10	9	
J486476		<20	<0.01	<10	<10	2	<10	11	
J486477		<20	0.01	<10	<10	16	<10	75	
J486478		<20	<0.01	<10	<10	1	<10	6	
J486479		<20	<0.01	<10	<10	1	<10	3	
J486480		<20	<0.01	<10	<10	2	<10	4	
J486481		<20	<0.01	<10	<10	1	<10	3	
J486482		<20	<0.01	<10	<10	2	<10	3	
J486483		<20	<0.01	<10	<10	2	<10	63	
J486484		<20	0.16	<10	<10	208	<10	78	1.265
J486485		<20	0.02	<10	<10	92	<10	77	
J486486		<20	0.19	<10	<10	197	<10	58	
J486487		<20	0.16	<10	<10	176	<10	60	4.60
J486488		<20	0.03	<10	<10	65	<10	58	
J486489		<20	0.08	<10	<10	142	<10	766	
J486490		<20	0.05	<10	<10	242	<10	205	1.065
J486491		<20	0.10	<10	<10	146	<10	101	
J486492		<20	0.11	<10	<10	84	<10	29	
J486493		<20	0.01	<10	<10	186	<10	188	
J486494		<20	0.23	<10	<10	180	<10	399	
J486495		<20	0.15	<10	<10	214	<10	348	
J486496		<20	0.20	<10	<10	228	<10	164	
J486497		<20	0.19	<10	<10	111	<10	273	
J486498		<20	0.01	<10	<10	73	<10	665	
J486499		<20	0.16	<10	<10	213	<10	123	
M458601		<20	0.18	<10	<10	209	<10	115	
M458602		<20	0.01	<10	<10	4	<10	44	
M458603		<20	0.01	<10	<10	6	<10	103	
M458604		<20	<0.01	<10	<10	2	<10	22	
M458605		<20	0.01	<10	<10	8	<10	117	
M458606		<20	<0.01	<10	<10	1	<10	3	
M458607		<20	<0.01	<10	<10	1	<10	5	
M458608		<20	0.01	<10	<10	6	<10	55	

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To: **WEST CIRQUE RESOURCES LTD**
530 - 510 BURRARD STREET
VANCOUVER BC V6C 3A8

Finalized Date: 18 - MAY - 2013
Account: WESCIR

Project: AG

CERTIFICATE OF ANALYSIS VA13085817

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M458609		1.92	0.001	<0.2	0.63	<2	<10	50	<0.5	<2	1.17	<0.5	3	5	10	1.60
M458610		1.00	0.002	<0.2	0.35	2	<10	140	<0.5	<2	0.39	<0.5	3	8	6	1.44
M458611		1.08	0.007	0.4	0.57	9	<10	40	<0.5	<2	0.14	4.6	5	4	38	2.71
J486251		1.92	0.008	0.5	3.91	2	30	70	1.3	<2	6.37	0.7	31	2	2440	6.66
J486252		1.86	0.192	2.5	5.28	5	20	900	0.9	<2	6.73	0.5	16	3	2720	4.18
J486253		2.42	0.015	0.2	0.87	<2	<10	20	<0.5	<2	0.02	<0.5	12	4	122	5.85
J486254		1.40	0.001	<0.2	0.27	<2	<10	220	<0.5	<2	0.07	<0.5	1	2	20	1.30
J486255		1.98	0.003	<0.2	0.27	12	<10	60	<0.5	<2	0.14	<0.5	7	3	35	1.78
J486256		1.30	0.001	<0.2	0.18	<2	<10	340	<0.5	<2	1.05	<0.5	1	4	2	0.74
J486257		0.96	0.001	<0.2	0.20	3	<10	310	<0.5	<2	0.13	<0.5	1	4	13	0.66
J486258		1.66	0.005	0.3	0.48	<2	<10	20	<0.5	<2	0.38	<0.5	2	5	7	1.57
J486259		1.22	0.004	<0.2	1.05	<2	<10	20	<0.5	<2	0.07	<0.5	2	5	5	2.40
J486260		1.10	0.001	<0.2	1.83	<2	<10	10	<0.5	<2	2.19	<0.5	12	2	39	5.22
J486261		2.06	<0.001	<0.2	0.30	<2	<10	280	<0.5	<2	0.49	<0.5	1	4	3	1.25
J486262		1.80	0.001	0.3	0.40	8	<10	230	<0.5	<2	0.41	<0.5	5	4	123	2.23
M458551		1.28	0.290	1.6	0.66	7	<10	30	<0.5	<2	0.01	<0.5	41	2	>10000	18.8
M458552		0.84	0.034	0.5	0.03	<2	<10	10	<0.5	<2	0.01	<0.5	<1	13	50	0.50
M458553		1.16	0.013	<0.2	0.82	<2	<10	50	<0.5	<2	0.02	<0.5	32	4	226	8.07
M458554		0.68	0.006	0.3	0.29	21	<10	40	<0.5	<2	0.12	<0.5	1	3	14	1.17
M458555		1.46	<0.001	<0.2	0.33	<2	<10	110	<0.5	<2	0.22	<0.5	1	2	4	1.09
M458556		0.96	<0.001	<0.2	0.36	<2	<10	30	<0.5	<2	1.69	<0.5	3	3	2	1.48
M458557		1.32	0.033	9.5	0.03	5	<10	2330	<0.5	4	0.01	<0.5	<1	14	16	0.54
M458558		1.18	0.011	3.0	0.44	<2	<10	180	0.5	<2	5.00	<0.5	10	3	7840	3.04
M458559		1.00	0.007	0.5	1.62	8	<10	40	<0.5	<2	1.41	<0.5	20	11	2620	4.06
M458560		1.52	0.001	<0.2	2.49	5	20	30	0.9	<2	5.31	<0.5	12	3	181	2.65
M458561		1.40	<0.001	<0.2	1.09	3	<10	1910	<0.5	<2	7.02	<0.5	13	3	80	1.75
M458562		1.36	0.001	13.7	2.38	5	10	130	1.2	<2	6.55	<0.5	12	9	>10000	1.79
M458563		1.46	0.001	1.5	1.41	<2	10	200	0.6	<2	3.35	<0.5	11	2	5120	1.94
M458564		1.08	0.074	0.5	1.37	2	<10	370	<0.5	<2	3.28	<0.5	15	1	1405	4.20
M458565		1.18	0.030	0.4	1.19	4	10	30	0.5	<2	3.19	<0.5	14	2	604	4.23
M458567		1.16	0.036	<0.2	1.78	15	<10	30	<0.5	<2	4.40	<0.5	48	1	200	16.3
M458568		1.06	0.216	0.3	1.40	4	<10	60	<0.5	<2	1.40	<0.5	26	3	896	4.30
M458569		1.64	0.255	1.2	1.33	<2	<10	40	<0.5	<2	2.53	<0.5	18	2	2040	5.50
M458570		1.42	0.372	6.4	1.52	16	<10	10	<0.5	<2	5.09	<0.5	17	16	3340	3.43
M458571		1.40	0.091	1.8	0.90	<2	<10	60	<0.5	<2	0.84	0.6	23	83	2890	5.93
M458572		1.22	0.233	52.2	0.39	119	<10	10	<0.5	<2	2.96	3.4	25	1	6520	5.26
M458573		1.40	0.007	0.6	2.24	26	<10	210	<0.5	<2	0.76	<0.5	23	12	336	5.87
M458574		1.60	0.033	0.3	4.40	2	20	140	0.8	<2	5.33	<0.5	21	5	1060	4.58
M458575		1.44	0.003	1.0	2.22	9	10	170	0.8	<2	3.04	<0.5	19	5	2190	4.29
M458576		1.16	<0.001	<0.2	0.53	<2	<10	630	<0.5	<2	0.87	<0.5	2	4	8	1.83

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530 - 510 BURRARD STREET
VANCOUVER BC V6C 3A8

Finalized Date: 18 - MAY - 2013
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Project: AG

CERTIFICATE OF ANALYSIS VA13085817

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
M458609		<10	<1	0.14	10	0.27	810	<1	0.04	<1	400	<2	<0.01	<2	2	11
M458610		<10	<1	0.07	10	0.18	258	1	0.06	3	320	6	0.08	<2	2	15
M458611		<10	1	0.14	10	0.21	159	5	0.04	10	410	45	0.18	<2	2	12
J486251		20	1	0.02	20	1.65	2240	<1	0.05	2	2480	5	<0.01	<2	11	161
J486252		20	<1	0.03	10	1.48	1250	<1	0.04	5	1770	12	0.03	<2	7	151
J486253		<10	<1	0.11	<10	0.24	87	5	0.02	2	300	2	2.21	<2	1	13
J486254		<10	<1	0.12	<10	0.02	34	1	0.03	<1	170	2	0.07	<2	1	12
J486255		<10	1	0.18	<10	0.05	309	1	0.04	1	330	2	0.06	<2	1	6
J486256		<10	<1	0.13	10	0.10	429	1	0.04	2	170	<2	0.01	<2	1	20
J486257		<10	1	0.13	10	0.01	234	1	0.03	<1	160	<2	0.10	<2	<1	9
J486258		<10	1	0.05	<10	0.31	369	4	0.07	1	180	<2	0.15	<2	4	5
J486259		10	<1	0.03	<10	0.57	516	<1	0.05	1	430	<2	0.03	<2	8	2
J486260		10	1	0.03	<10	0.79	894	<1	0.04	<1	880	<2	0.07	<2	15	12
J486261		<10	<1	0.11	10	0.07	399	<1	0.05	<1	340	<2	0.01	<2	2	17
J486262		<10	1	0.09	10	0.79	378	<1	0.06	1	520	<2	0.01	<2	5	14
M458551		<10	<1	0.06	<10	0.25	274	2	0.01	15	120	<2	0.46	<2	1	8
M458552		<10	<1	0.02	<10	<0.01	36	1	<0.01	<1	60	3	0.04	2	<1	3
M458553		<10	<1	0.12	<10	0.24	110	10	0.02	4	210	<2	4.88	<2	<1	17
M458554		<10	<1	0.17	<10	0.04	205	1	0.02	<1	600	9	0.14	2	2	5
M458555		<10	<1	0.17	10	0.06	415	<1	0.02	1	340	<2	0.01	<2	3	6
M458556		<10	1	0.12	10	0.16	551	<1	0.02	<1	280	<2	0.01	<2	2	9
M458557		<10	1	0.02	<10	<0.01	25	6	<0.01	1	140	202	0.11	2	<1	82
M458558		<10	<1	0.25	10	0.84	1130	<1	0.03	2	1810	9	0.12	<2	7	180
M458559		10	1	0.06	10	1.66	1290	<1	0.03	7	1900	4	0.06	<2	4	107
M458560		10	<1	0.07	10	1.05	904	<1	0.05	1	1720	7	<0.01	<2	5	118
M458561		<10	1	0.05	<10	1.04	1320	<1	0.02	2	880	2	0.05	2	4	291
M458562		10	1	0.03	10	0.65	655	<1	0.05	5	1840	18	0.48	<2	5	75
M458563		<10	1	0.19	10	1.21	600	<1	0.03	1	1530	8	0.02	<2	5	94
M458564		10	<1	0.12	10	1.13	1805	<1	0.04	2	1860	19	0.02	2	5	110
M458565		10	1	0.13	10	0.85	925	<1	0.06	1	1980	4	0.01	2	3	106
M458567		10	<1	0.06	60	1.47	1820	<1	0.03	7	5840	3	<0.01	2	4	161
M458568		10	<1	0.08	10	1.07	1510	1	0.03	3	2120	41	0.04	2	4	186
M458569		10	1	0.11	10	0.83	1645	<1	0.04	2	1930	20	0.01	<2	4	77
M458570		10	1	0.05	10	1.49	1250	4	0.03	9	2530	6	0.03	3	9	193
M458571		10	<1	0.09	<10	0.92	976	<1	0.03	24	1080	4	0.06	<2	4	42
M458572		<10	1	0.30	<10	0.35	1395	8	0.01	3	1350	294	5.30	6	3	85
M458573		10	<1	0.21	<10	1.88	1255	3	0.03	10	1580	8	0.74	3	7	26
M458574		20	1	0.04	10	1.43	1305	<1	0.03	4	2120	3	<0.01	<2	7	189
M458575		10	<1	0.10	10	1.31	1210	<1	0.03	5	2230	2	0.02	<2	5	164
M458576		<10	1	0.04	<10	0.55	545	<1	0.05	<1	320	2	0.02	<2	3	19

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CERTIFICATE OF ANALYSIS VA13085817

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-OG46 Cu % 0.001
M458609		<20	<0.01	<10	<10	4	<10	66	
M458610		<20	<0.01	<10	<10	9	<10	23	
M458611		<20	<0.01	<10	<10	16	<10	323	
J486251		<20	0.14	<10	<10	244	<10	152	
J486252		<20	0.18	<10	<10	165	<10	70	
J486253		<20	<0.01	<10	<10	6	<10	18	
J486254		<20	<0.01	<10	<10	3	<10	8	
J486255		<20	<0.01	<10	<10	2	<10	17	
J486256		<20	<0.01	<10	<10	3	<10	10	
J486257		<20	<0.01	<10	<10	1	<10	6	
J486258		<20	<0.01	<10	<10	1	<10	19	
J486259		<20	<0.01	<10	<10	7	<10	45	
J486260		<20	<0.01	<10	<10	48	<10	37	
J486261		<20	0.01	<10	<10	4	<10	42	
J486262		<20	<0.01	<10	<10	13	<10	104	
M458551		<20	<0.01	<10	<10	6	<10	136	1.105
M458552		<20	<0.01	<10	<10	<1	<10	2	
M458553		<20	<0.01	<10	<10	3	<10	27	
M458554		<20	<0.01	<10	<10	1	<10	39	
M458555		<20	0.01	<10	<10	4	<10	28	
M458556		<20	<0.01	<10	<10	3	<10	32	
M458557		<20	<0.01	<10	<10	1	<10	2	
M458558		<20	0.03	<10	<10	105	<10	47	
M458559		<20	0.12	<10	<10	158	<10	105	
M458560		<20	0.11	<10	<10	174	<10	64	
M458561		<20	0.15	<10	<10	54	<10	39	
M458562		<20	0.13	<10	<10	171	<10	47	3.15
M458563		<20	0.02	<10	<10	60	<10	38	
M458564		<20	0.09	<10	<10	147	<10	149	
M458565		<20	0.17	<10	<10	153	<10	79	
M458567		<20	0.13	<10	<10	282	<10	135	
M458568		<20	0.17	<10	<10	130	<10	154	
M458569		<20	0.13	<10	<10	181	<10	176	
M458570		<20	0.15	<10	<10	147	<10	51	
M458571		<20	0.19	<10	<10	156	<10	95	
M458572		<20	<0.01	<10	<10	16	<10	416	
M458573		<20	0.01	<10	<10	112	<10	265	
M458574		<20	0.13	<10	<10	201	<10	78	
M458575		<20	0.11	<10	<10	166	<10	78	
M458576		<20	<0.01	<10	<10	5	<10	95	

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **WEST CIRQUE RESOURCES LTD**
530 - 510 BURRARD STREET
VANCOUVER BC V6C 3A8

Finalized Date: 18 - MAY - 2013
Account: WESCIR

Project: AG

CERTIFICATE OF ANALYSIS VA13085817

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M458577		1.10	0.010	<0.2	0.07	<2	<10	240	<0.5	<2	0.03	<0.5	<1	4	38	0.76
M458578		1.26	0.005	<0.2	0.34	3	<10	60	<0.5	<2	0.03	<0.5	<1	5	5	0.89
M458579		1.42	0.011	<0.2	0.17	12	<10	50	<0.5	<2	0.07	<0.5	1	6	6	1.16
M458580		1.12	0.002	0.2	0.18	6	<10	40	<0.5	<2	0.03	<0.5	<1	5	5	1.36
M458581		1.04	0.006	0.2	0.30	<2	<10	60	<0.5	2	0.02	<0.5	<1	2	16	1.25
M458582		1.10	0.001	0.5	1.63	<2	<10	30	<0.5	<2	1.64	<0.5	9	1	755	4.16
M458583		1.52	<0.001	<0.2	0.38	<2	<10	90	<0.5	<2	1.90	<0.5	2	2	5	1.33
M458584		1.42	0.004	<0.2	0.25	2	<10	290	<0.5	<2	0.54	<0.5	2	3	10	1.26
M458585		0.88	<0.001	<0.2	0.90	<2	<10	50	<0.5	<2	1.29	<0.5	3	4	5	1.78
M458586		1.52	<0.001	<0.2	1.46	2	<10	170	<0.5	<2	1.57	<0.5	9	16	18	2.12
M458587		1.10	0.004	0.3	0.62	14	<10	90	<0.5	<2	1.12	1.5	4	3	52	1.98
J486250		1.54	0.010	0.6	3.28	3	20	390	0.8	<2	6.76	0.5	24	1	1500	4.80

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

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CERTIFICATE OF ANALYSIS VA13085817

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
M458577		<10	<1	0.03	<10	0.01	23	1	0.01	<1	50	<2	0.27	<2	<1	11
M458578		<10	<1	0.09	10	0.21	195	<1	0.05	1	200	14	0.11	<2	1	8
M458579		<10	1	0.09	<10	0.02	127	<1	0.06	1	250	6	0.22	<2	2	10
M458580		<10	<1	0.09	<10	0.02	47	1	0.06	<1	280	5	0.18	<2	1	10
M458581		<10	1	0.12	10	0.05	19	1	0.04	<1	90	15	0.07	<2	1	7
M458582		10	1	0.03	10	1.58	1595	<1	0.07	<1	1550	2	0.01	<2	6	46
M458583		<10	1	0.17	10	0.08	1185	<1	0.02	<1	350	<2	0.07	<2	2	14
M458584		<10	<1	0.11	10	0.05	345	<1	0.04	<1	310	6	0.12	<2	2	9
M458585		<10	1	0.16	10	0.56	519	<1	0.04	<1	350	2	0.02	<2	2	16
M458586		<10	<1	0.04	10	0.67	454	<1	0.02	4	670	2	0.05	<2	5	106
M458587		<10	1	0.12	<10	0.72	478	1	0.04	3	340	23	0.46	<2	2	18
J486250		10	1	0.16	20	1.49	1910	<1	0.03	2	2220	6	0.06	<2	9	173

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CERTIFICATE OF ANALYSIS VA13085817

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Cu
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
M458577		<20	<0.01	<10	<10	1	<10	<2	
M458578		<20	<0.01	<10	<10	2	<10	27	
M458579		<20	<0.01	<10	<10	1	<10	18	
M458580		<20	<0.01	<10	<10	2	<10	16	
M458581		<20	<0.01	<10	<10	1	<10	13	
M458582		<20	0.17	<10	<10	54	<10	108	
M458583		<20	<0.01	<10	<10	3	<10	33	
M458584		<20	<0.01	<10	<10	1	<10	51	
M458585		<20	<0.01	<10	<10	7	<10	65	
M458586		<20	0.17	<10	<10	56	<10	34	
M458587		<20	<0.01	<10	<10	11	<10	257	
J486250		<20	0.09	<10	<10	183	<10	97	

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CERTIFICATE OF ANALYSIS VA13085817

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
Au-ICP21	CRU-31	CRU-QC	Cu-OG46
LOG-21	ME-ICP41	ME-OG46	PUL-31
PUL-QC	SPL-21	WEI-21	