Summary

The Arrowhead Lake Project is an attempt to consider the prospects for an economic gold deposit over a large geographic area represented by the northern half of the 105 O 1:250,000 NTS map sheet.

Several areas of were singled out as targets based on regional geochemistry, geology, old showings, and /or a combination of the above. Some infill geochemistry and prospecting was carried out on four different areas. Results were encouraging overall. Weather severely hampered exploration and the staking of additional targets. In addition to the successful prospecting trips on July 26, and September 2 and the successful placement of a fuel cache, three attempts were made to access the project area in 2009 that were unsuccessful due to weather. Trans North did not charge for the first two earlier attempts to access the area. The proponent paid the third. The difficulty arises in part in that there are no weather stations within 200 km of the area. So when conditions look good in Ross (to the south) and Mayo (to the west) and Norman Wells(to the east) there is no evidence to indicate it should not be good at Arrowhead. Further the Rogue Range towers in at over 8,000 feet, creating its own weather. The conditions there are not known until you get to the Hess River, 160 km. into the trip.

Such are the challenges in exploration in remote areas.

Arrowhead Regional Prospecting Project

09-118

Claims:

'A'

Tom

EM

Senoa

AL

NTS Map Sheets

105 O 6, 10, 11, 12

Latitude 63 37' 21" Longitude 131 8' 33"

for work performed intermittently between July - September, 2009

(also self funded work in 2008)

Report by:

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Whitehorse YT. Y1A 6N4

for:

Ron Berdahl/18526 Yukon

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Introduction

This report is prepared to fullfill the requirements for the 2009 YMIP program and to consolidate information from the field program.

History

The earliest prospecting in the area seems to be connected with prospectors and trappers (depending on thw time of year) in the early teens and carried on into the late 1930's. Most of today's major geographic features were named by them or for them. Many of these people are written up in a book by the eminent mine finder, Arho Aho, Hills of Silver.

One account relates to an American furgetive who brought gold laced quartz rock, a foot cubed, into the Mayo assay office, and had returns higher than any previous or future assay from that office. Treadwell attempted to locate that discovery but a personality conflict prevented success.

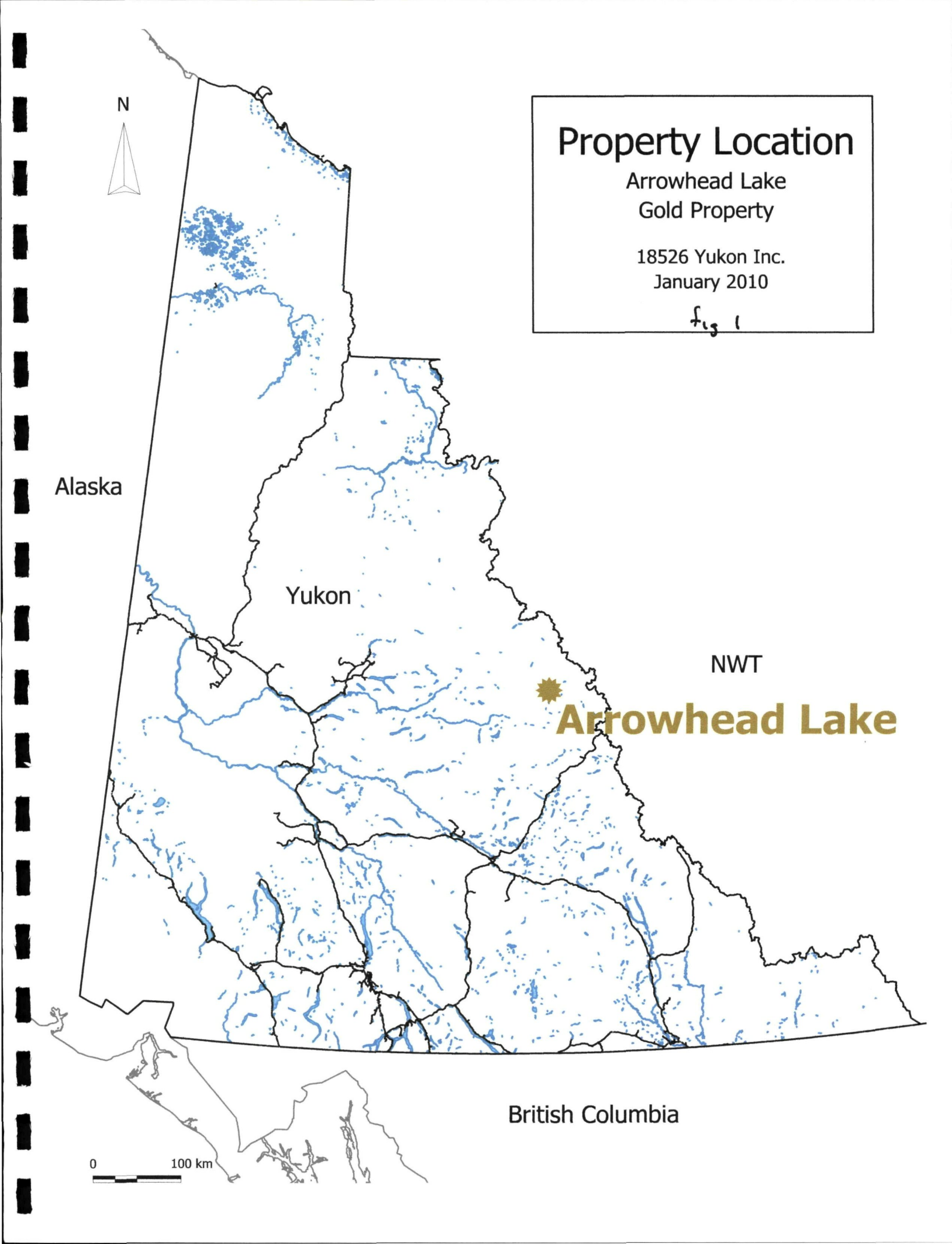
Modern exploration was sparked after the Faro discovery. Atlas Exploration carried out very detailed soils and the regional stream sediment sampling programs through out the area. The analysed for zinc, lead and copper only. Several Major companies staked ground in the region in the 1970's and 80's, for a variety of mineral and deposit types. These were mostly reccy type programs hampered somewhat by distance from the North Canol Road.

The discovery of the Ft. Knox intrusive hosted style of mineralization, and subsequent mining of the deposit in the 1980's attracted a new look at the area, this time for intrusive related gold targets on or near Cretaceous age intrusions. In the mid 1990's Brian Leuks, a Whitehorse based geologist, put together an extensive package of properties that was eventually optioned by Cyprus. After a cursory look, and despite staking claims on their own, dropped the option. Some of the original claims are still held by parties related to the early Lueks work.

The author started to acquire ground in the area based on the above mentioned research in 2008.

Location , Access and Physiogragphy

The project area is 380 km NE of Whitehorse on NTS map sheet 105O (figure 1) and covers an area roughly 70km by 50 km. Five seperate claim blocks have been staked in the area. The area is confined to the headwaters of the Rogue and Hess River systems. The eastern limit is defined by the Yukon/NWT border. The town of Ross River, with a helicopter base, is 200km SSW, MacPass airstrip is 65Km to the SE, and the Plata silver mine airstrip is 55km W.


N
Property Location
Arrowhead Lake
Gold Property
18526 Yukon Inc.
January 2010
fig 1
Alaska
Yukon
NWT
Arrowhead Lake
British Columbia
0
100 km

Access to the project has been by fixed wing aircraft with floats to any one of numerous lakes in the area (Algae, Arrowhead, Emerald), or by helicopter. The Andrew base metal camp, 100 km to the SSW was used as a stage area at one point in the program. A 'Jet A' fuel cash has been established at Emerald Lake using an turbo Otter based out of Mayo.

The country side consists of broad flat valleys on the periphery of the project, punctuated by the Rogue Range a glacier covered precipitous mountain range with heights of 8,100 ft, four thousand feet above the surrounding river valleys. Rolling "hills" to 7,000 feet exted toward the NWT border. Treeline is roughly 4,500 ft, lower on north slopes. Most of the area is well above tree line, and a good portion of that is alpine (without willow) or talus/glacier. The area around Emerald lake is scary steep. Plant species are consistent with the central Yukon, with spuce trees and an understory of willow, alder, buck brush, blueberry, sedges etc.

Property

The Arrowhead project currently consists of 6 seperate claim blocks. Several other targets remain to be staked. The claims are as follows:

Senoa 1-8

Senoa 9-16

Tom 1-6

EM 1-45

AL 1-16

A 1-10

Wilson 1-2

Regional Geology

The region geology has been lifted from Jiang's assessment report as follows:

The Emerald Lake Project lies within the eastern portion of the Selwyn Basin which is

comprised of Late Proterozoic to Triassic marine sediments underlain by clastics

derived from the cratonic margin located to the east. Most of the following are excerpts

18526 Yukon Inc. Properties

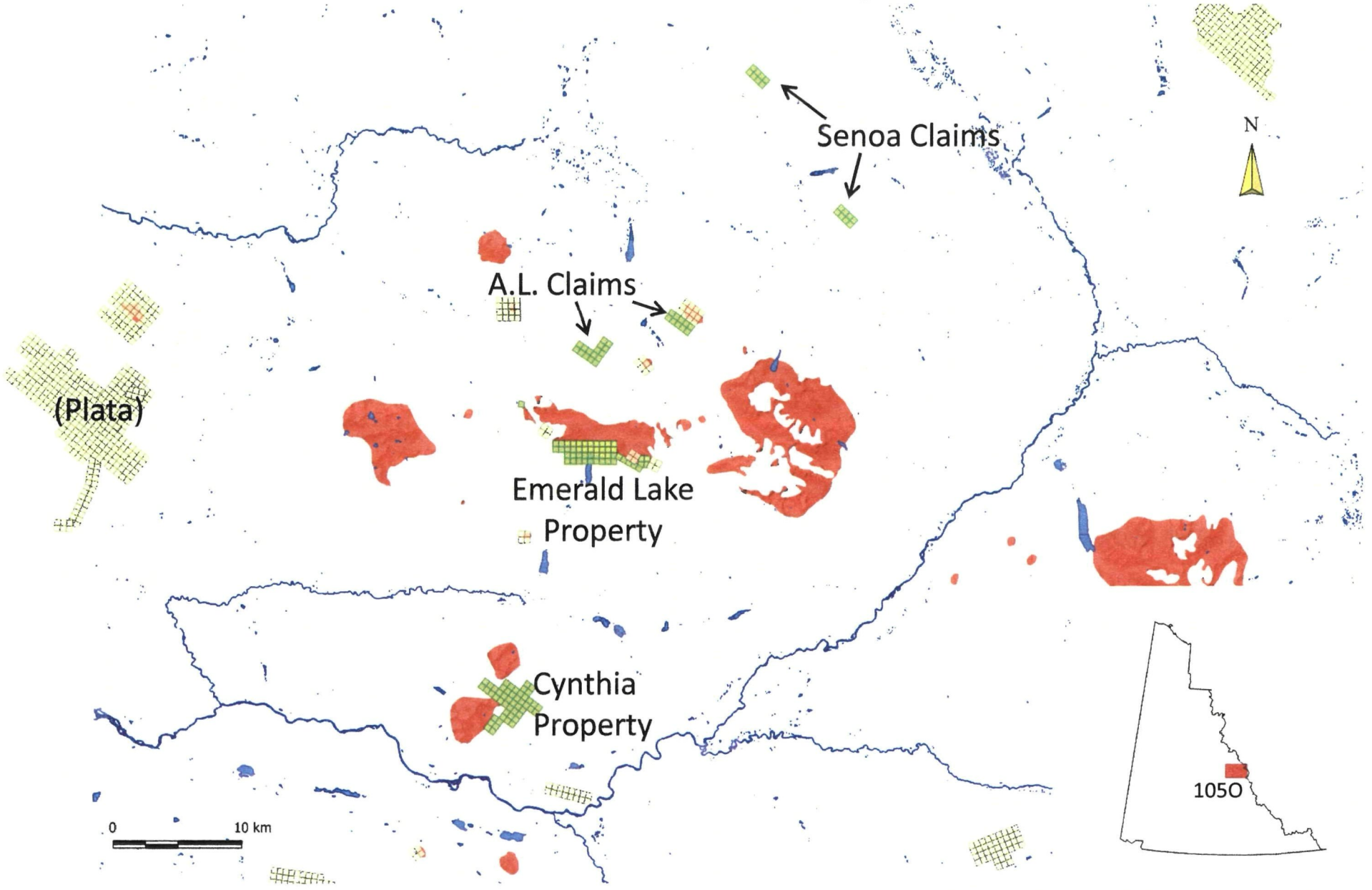


fig 2

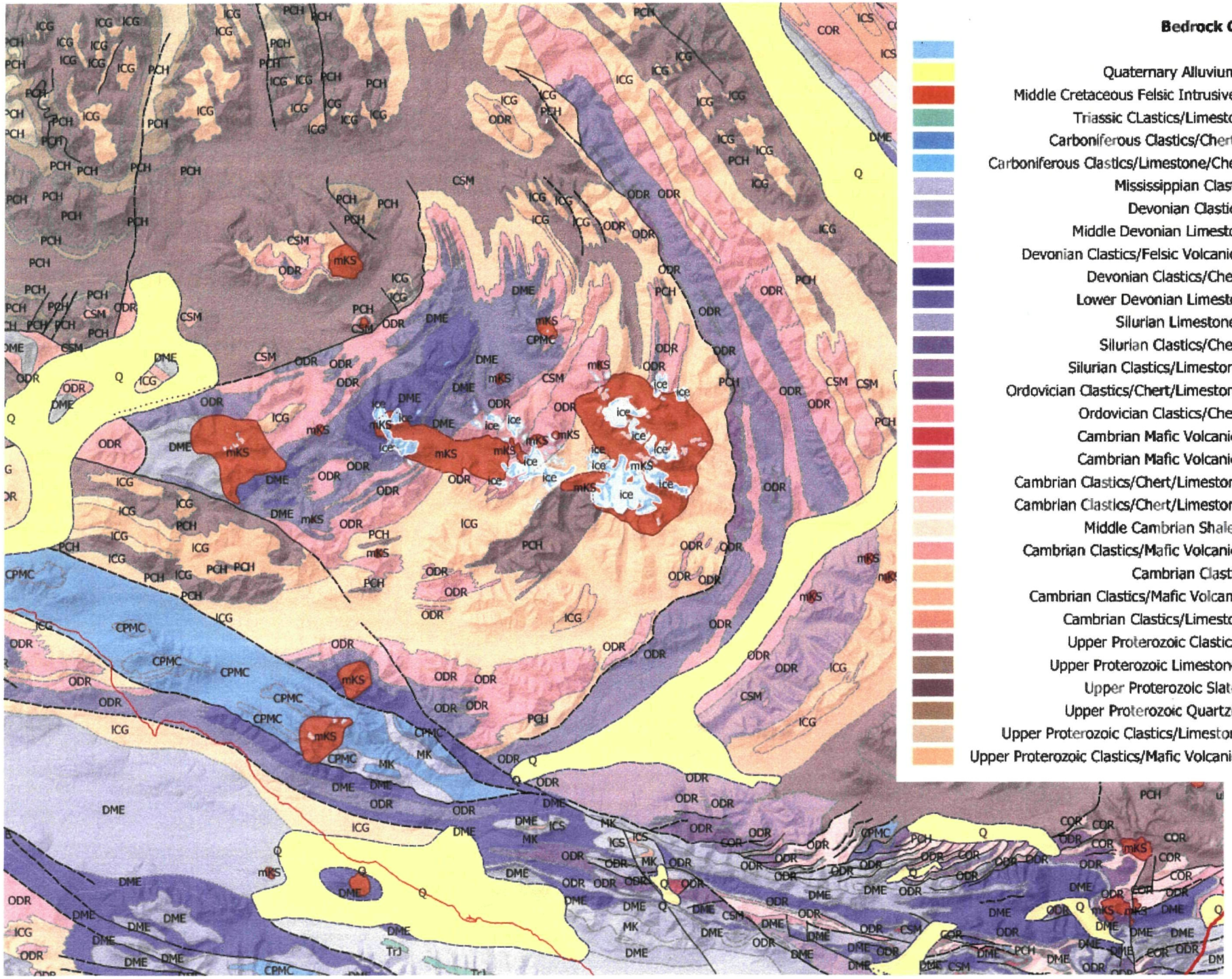
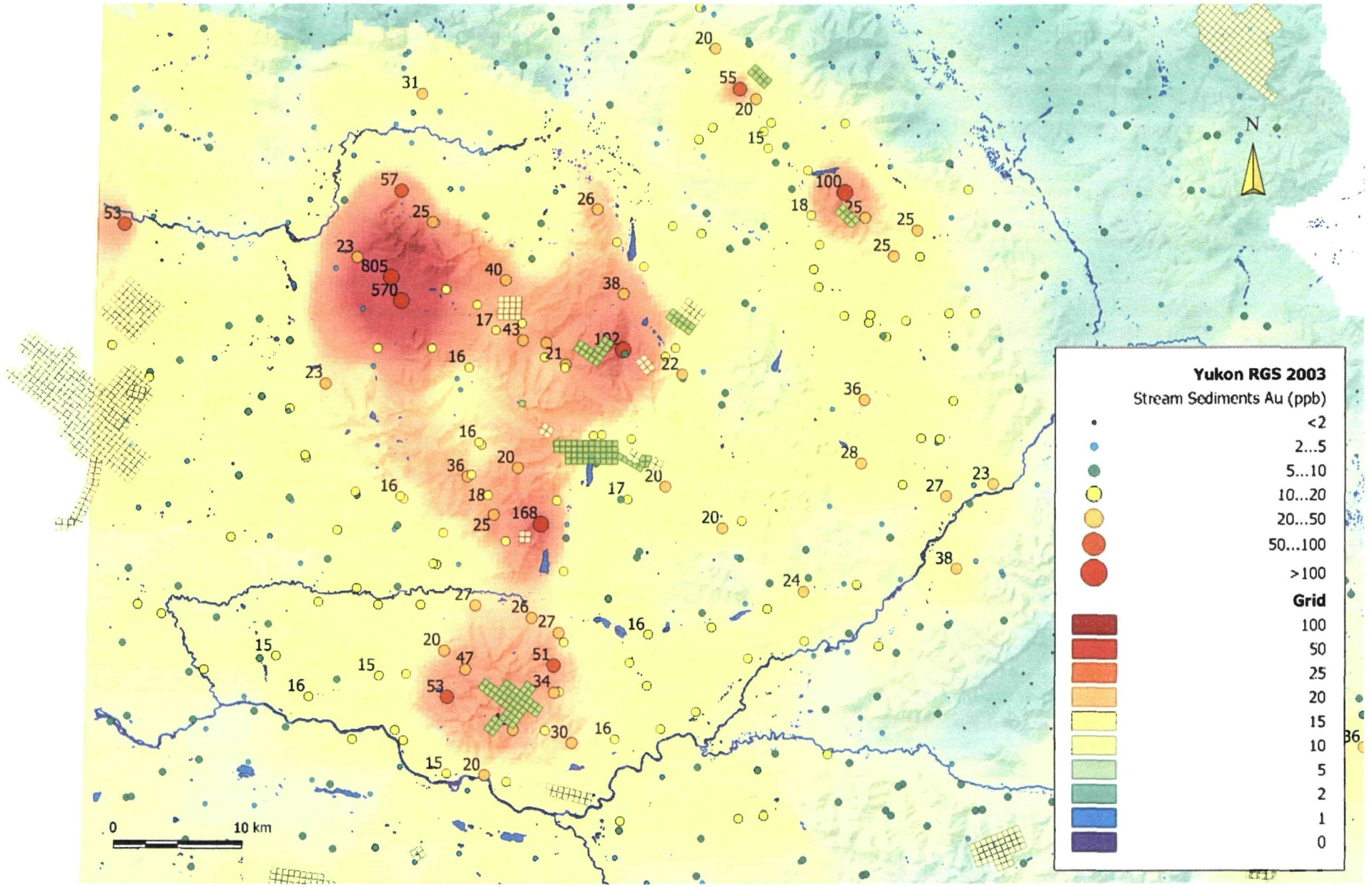
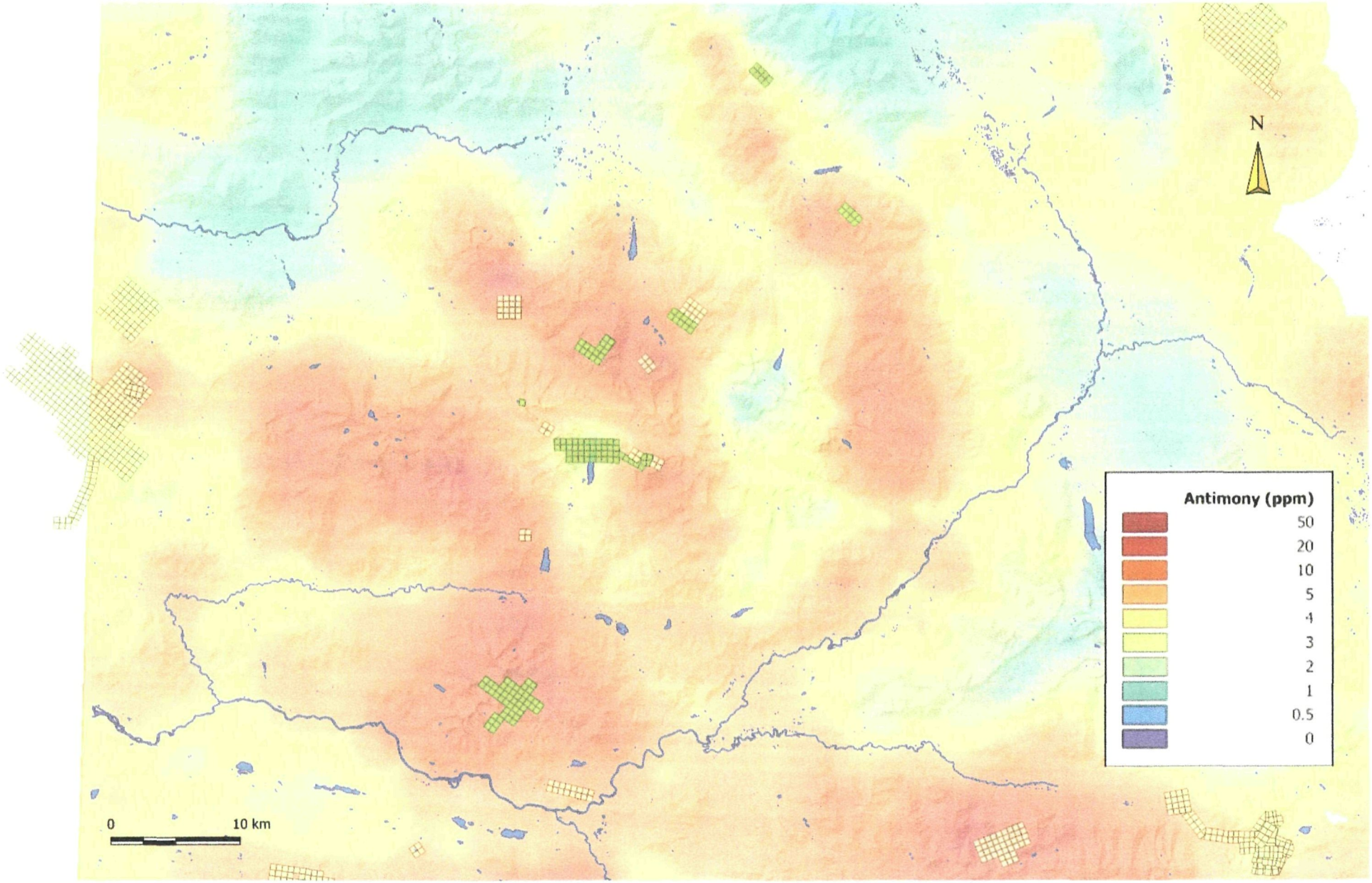

Bedrock Geology
Ice
Quaternary Alluvium/Till - Q
Middle Cretaceous Felsic Intrusives - mKS
Triassic CLastics/Limestone - TrJ
Carboniferous Clastics/Chert - CPMC
Carboniferous Clastics/Limestone/Chert - CPT
Mississippian Clastics - MK
Devonian Clastics - DME
Middle Devonian Limestone - DN
Devonian Clastics/Felsic Volcanics - DME
Devonian Clastics/Chert - DME
Lower Devonian Limestone - DB
Silurian Limestones - ODR
Silurian Clastics/Chert - ODR
Silurian Clastics/Limestone - ODR
Ordovician Clastics/Chert/Limestone - ODR
Ordovician Clastics/Chert - ODR
Cambrian Mafic Volcanics - CSM
Cambrian Mafic Volcanics - CSM
Cambrian Clastics/Chert/Limestone - COR
Cambrian Clastics/Chert/Limestone - COR
Middle Cambrian Shales - mCH
Cambrian Clastics/Mafic Volcanics - CSM
Cambrian Clastics - ICG
Cambrian Clastics/Mafic Volcanics - ICG
Cambrian Clastics/Limestone - ICS
Upper Proterozoic Clastics - uPCV
Upper Proterozoic Limestones - PCH
Upper Proterozoic Slates - PCH
Upper Proterozoic Quartzite - PCB
Upper Proterozoic Clastics/Limestone - PCH
Upper Proterozoic Clastics/Mafic Volcanics - PCH

fig 3

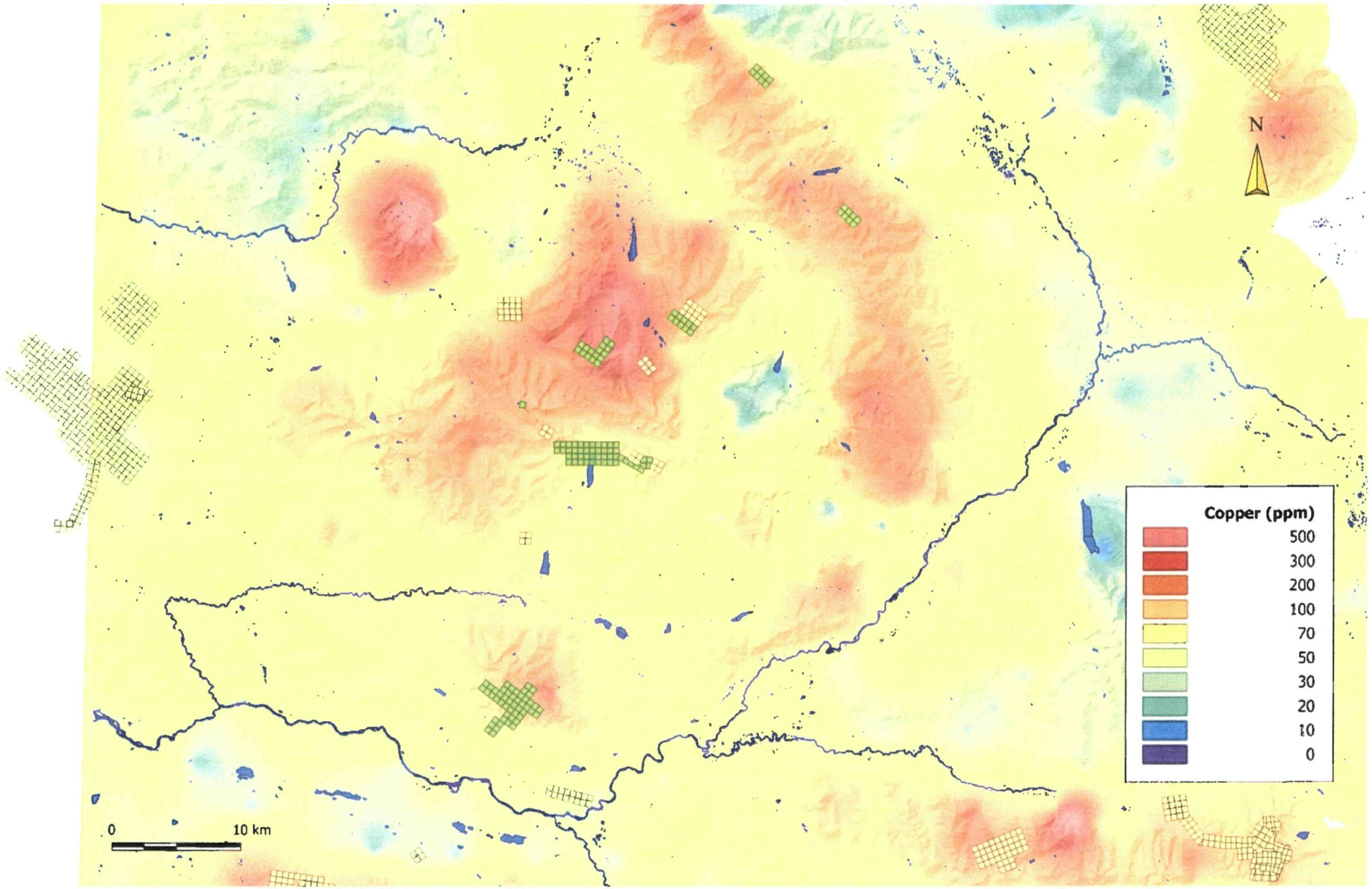
Hess Gold Anomalies - RGS



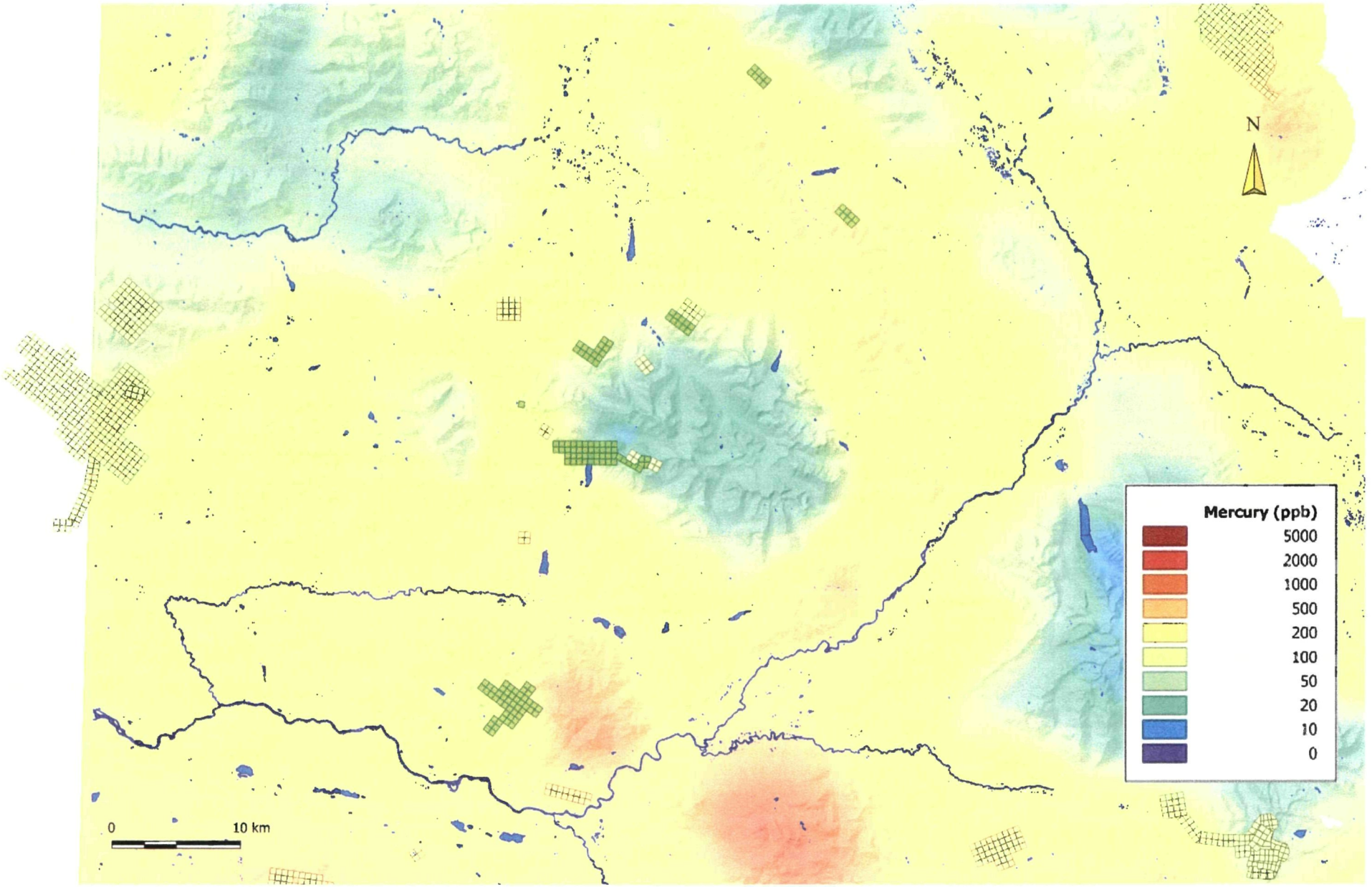
Hess District Antimony



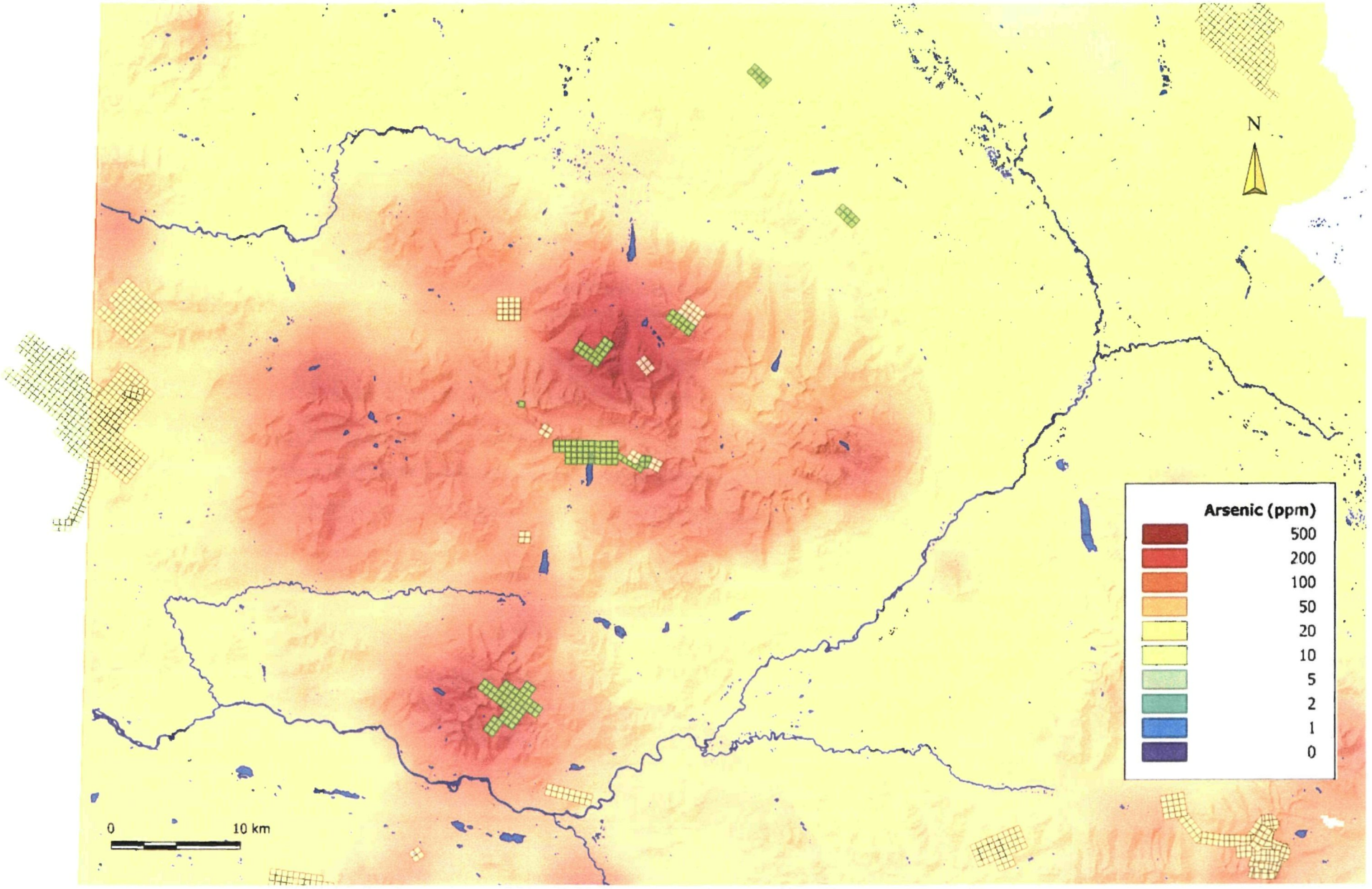
Hess District Copper



Hess District Mercury



Hess District Arsenic



from "Intrusion Related Au Mineralization Associated With Lithophile Elements: An Under-Recognized MetaNogenic Association" - an electronic poster by Lang et a/, 1997, MDRU.

Late Cretaceous felsic to intermediate intrusives were emplaced during a period of regional folding and faulting associated with east-west shortening. Recent work has subdivided these intrusions into two groups; The Tombstone Plutonic Suite and the Tungsten Plutonic suite. Together, these suites form the northernmost magmatic belt in the Yukon, termed the Tombstone-Tungsten Magmatic Belt (ITMB). This narrow belt extends for up to 500 kilometre from just east of the Yukon-Northwest Territories border to the Tintina Fault near Dawson City, Yukon, with an extension of the belt located 450 kilometres to the northwest in the Fairbanks district, Alaska, due to dextral displacement along the Tintina Fault (Fig. 1). Extensive radiometric dating indicates that the entire belt was emplaced between 89 Ma and 95 Ma, with most at 91 k1.5 Ma.

The TTMB has been subdivided into two contemporaneous and partially overlapping suites. The Tungsten Plutonic Suite (WPS) forms the eastern end of the belt, whereas the Tombstone Plutonic Suite (TPS) forms the remainder of the belt to the west. Both suites were emplaced into Proterozoic to Paleozoic rocks of platformal and miogeoclinal facies (Ogilvie-Mackenzie Platform) or of basinal facies (Selwyn Basin). In the central and western Yukon, TPS plutons cut thrust faults which were active between late Jurassic and mid-Cretaceous time. No coeval volcanic rocks are recognized with either the TPS or the WPS.

The TPS comprises the bulk of the TTMB and is discussed in some detail since these intrusions are associated with the gold deposits. Most TPS intrusions are subalkaline, metaluminous biotite-hornblendekpyroxene granodiorite, quartz monzonite,

monzogranite and syenite, with minor granite, and rare gabbro and clinopyroxenite. Abundant associated dikes include lamprophyres, pegrnatites, aplites, and dikes similar in composition to the main intrusive phases. Intrusions range from plugs to small batholiths, with larger intrusions commonly gradationally zoned from relatively mafic marginal phases to more differentiated interior phases. It is not clear if there is a consistent progression in intrusive composition over time.

The medium to coarse-grained intrusions are typically porphyritic and megaphenocrysts of K-feldspar to several centimetres in length are common. Magnetite is almost completely absent, traces of ilmenite are common, and titanite is typically either absent or quite abundant. Miarolitic cavities are common in TPS intrusions and generally are typically less than a few centimetres in size, but within the Emerald Lake pluton they are up to two metres in diameter. Infill of miarolites is commonly zoned and comprises quartz, tourmaline, alkalic feldspar, biotite and locally sulphide or sulphosalt minerals. Two mineralogically and compositionally distinct subsets of the TPS have been recognized.

1. Alkalic rocks are limited to the westernmost end of the belt in the Yukon and comprise monzonite, syenite and tinguaite. These intrusions contain, at least locally, melanite garnet, feldspathoids, alkalic amphiboles and pyroxenes, and rare fluorite.

2. Intrusions of peraluminous compositions are ~olumetrically very minor. As an example, the core of the zoned Syenite Ranges intrusion contains a small zone of weakly to moderately peraluminous, tourmaline-bearing granite that has gradational contacts with the main metaluminous phases of the intrusion. In general, field observations and preliminary geochemical data suggest that these peraluminous phases are late-stage differentiates of the metalurninous magmas.

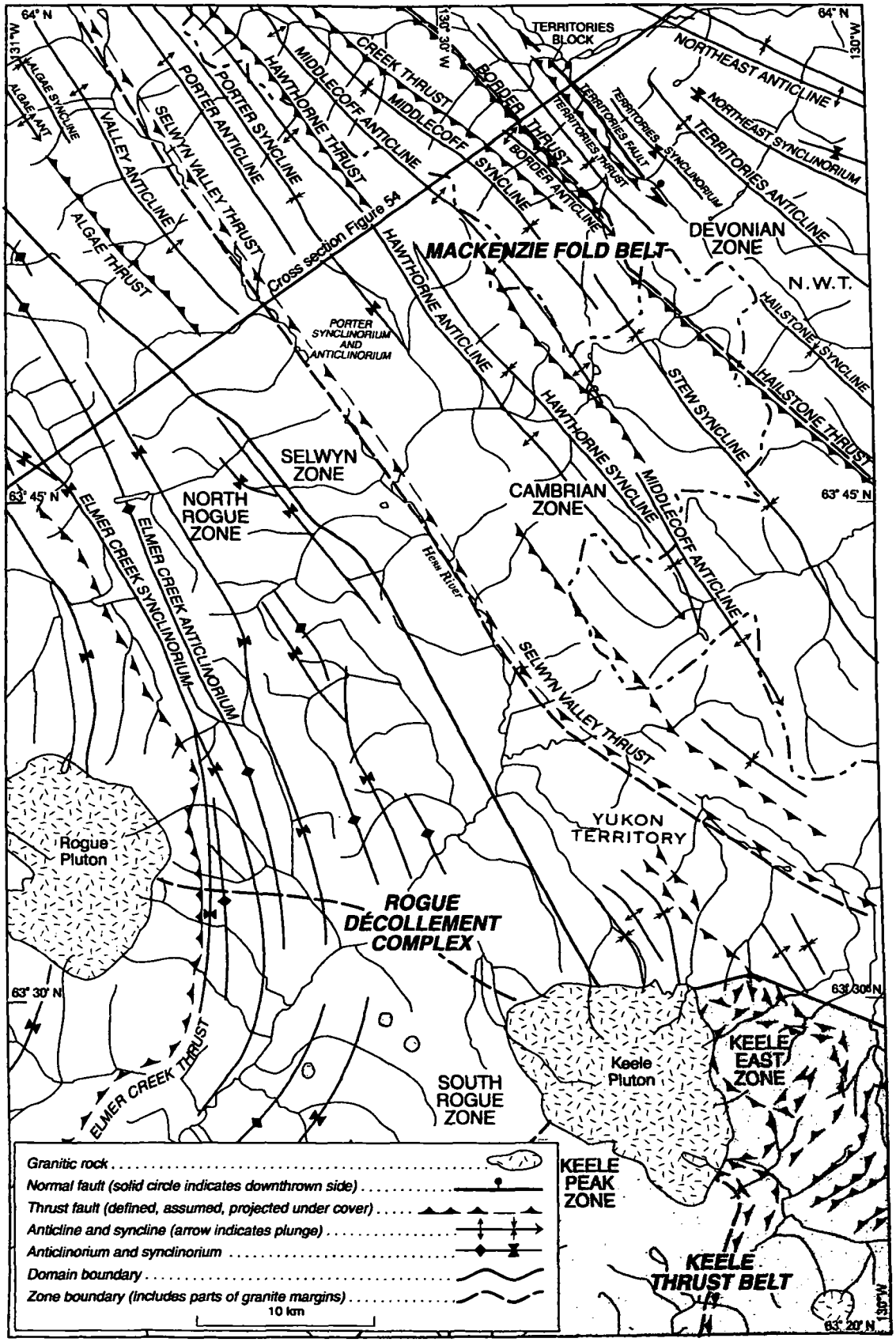
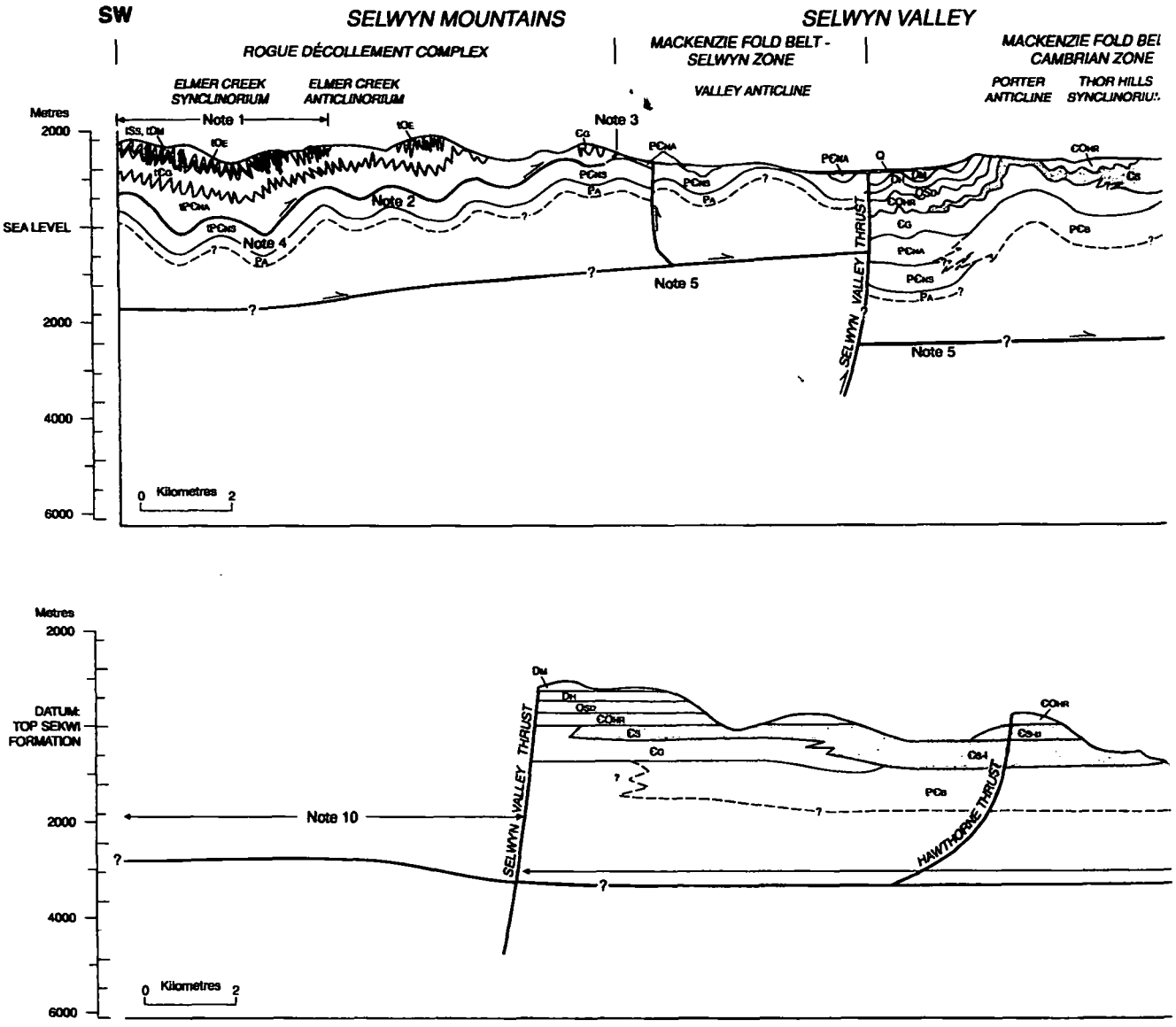


Figure 53. *Major structural features of the northeastern Niddery Lake map area. Based on the geology of Cecile (1997a–d).*

Cecile, 2000 Fig 4a

Fig 46
Cecile, 2000



Note 1 Detailed structure here based on measured traverses (see Fig. 24 and 28).

Note 2 Folds of this scale and size observed north of section. Thinning of the PCNA tectonic unit over PCNS and older unit anticlines observed west of section.

Note 3 Rogue Décollement displacement inferred to dissipate to zero.

Note 4 Rogue Décollement surface inferred from the observation that strata above are shortened to 20% of their original length while strata below the décollement are shortened 60-80% of their original length.

Note 5 Area from the Porter Synclinorium west is a zone with multiple detachments. The top of the PCNA correlates approximately with the top of the Ca. A simple projection of the Mackenzie Fold Belt detachment places it at 2 km depth. Continuing that depth to the other side of the Selwyn Valley Thrust indicates an offset on the fault. If this is correct then the Selwyn Valley Thrust would detach at an even greater depth. This is consistent with calculations of Cecile and Cook (1991) which show a fundamental basal regional detachment at 18 km below the one shown here. There are many other possible interpretations including bringing the detachment to surface at the Selwyn Valley Thrust and running the deeper detachment continuously across the Selwyn Valley area, or running the eastern detachment at its present level, detaching the Selwyn Valley Thrust from it.

Note 6 Faults are steeply dipping at surface. They are projected to the basal detachment in this cross-section only to show a probable connection. The nature of such a connection cannot be determined. The faults may root higher or lower than the detachment shown here.

Note 7 Fold detachment level based on excess-area calculation (right) reduced by 20%. Calculation assumes normal stratigraphic thickness below synclines.

Note 8 Many factors may cause stepdown of detachment eastward. Examples: pre-existing relief on the detachment surface; repetition of sub-Sekwi strata below an upper detachment; offset on faults that extend below this detachment.

Note 9 Detachment lowered to 3+ km because of increased fold wavelengths at surface.

Note 10 Shortening beyond this point is estimated only. Strata above the Rogue Décollement, up to the point where it dissipates to zero, restored by ~80%. Strata below the décollement, and everything east of its zero point, restored by ~20%.

Note 11 Restored length is 36 km (20%).

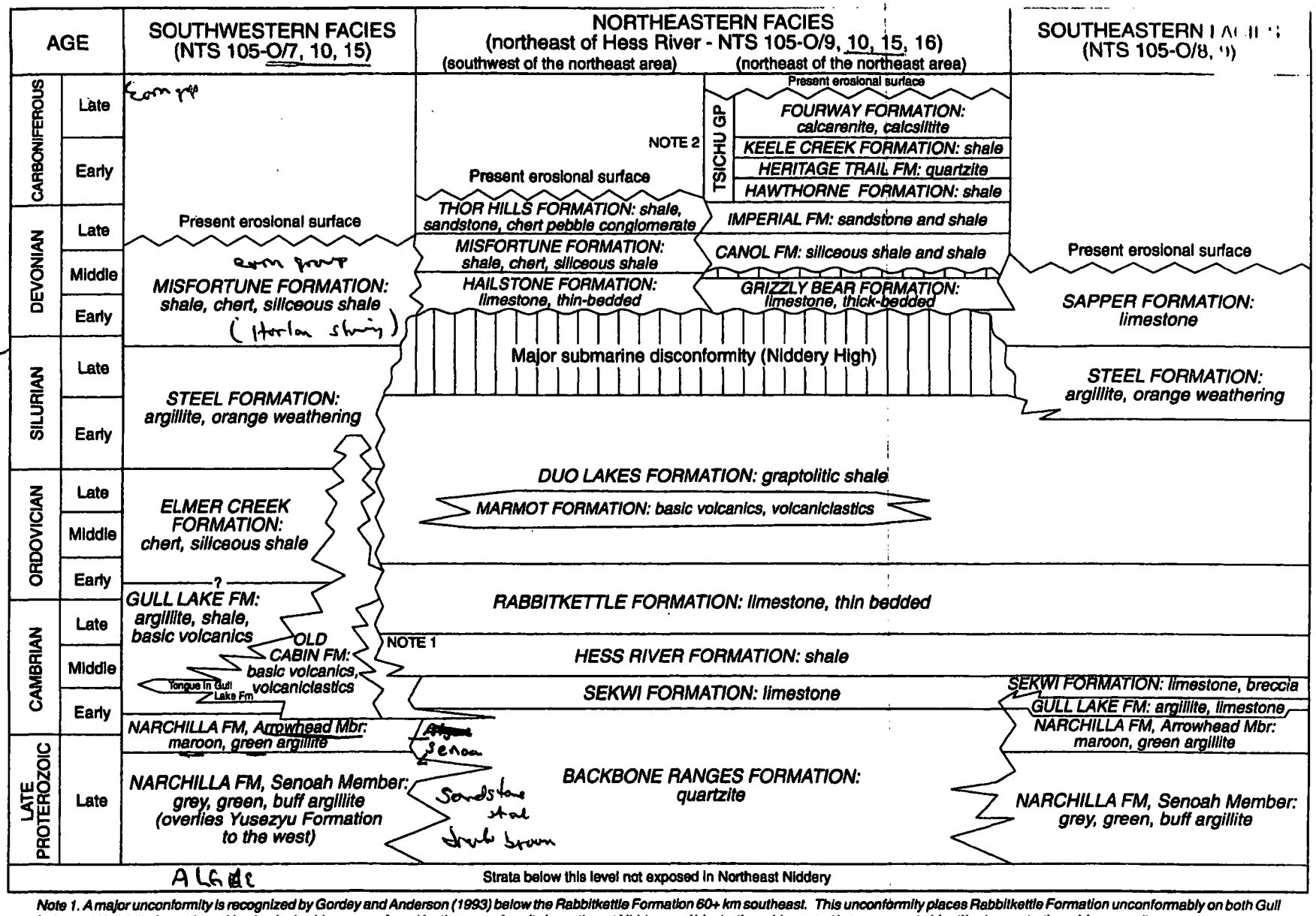
Note 12 Thickening of OSo and COHR toward the northeast reflects the appearance of the Misty Creek Embayment. The base of PCa is the base of known stratigraphy.

Note 13 Stratigraphy unknown. Probably includes various upper Proterozoic units: Rapitan Group, Coppercap-Redstone formations and part of the Little Da Group.

Figure 54. *Composite structural cross-section across northeastern Niddery Lake map area (from cross-section A-A' and B-B' on maps of Cecile (1997a, d) with excess area calculation for sub-Cambrian level of fold detachment).*

Table 1

General composition and relative ages of all formations found in the northeastern Niddery Lake map area



Note 1. A major unconformity is recognized by Gordey and Anderson (1993) below the Rabbitkettle Formation 60+ km southeast. This unconformity places Rabbitkettle Formation unconformably on both Gull Lake and Narchilla formations. No physical evidence was found for the unconformity in northeast Niddery and biostratigraphic control is too sparse to identify chronostratigraphic anomalies.

Note 2. See Figure 50 for additional units in the Tsichu Group.

Fig 5
Cecile, 2000

An important feature of almost all TPS intrusions is the development of extensive contact metamorphic aureoles. These aluminosilicate-bearing hornfels zones are up to several kilometre in width, and are commonly much larger than the associated intrusions. Abundant pyrrhotite generates prominent magnetic highs.

Property Geology

Recent mapping by M.P. Cecile published in 2000 covering the "Northeast Niddery Lake Map Area" sheds new light on the geology of the area. This new information combined with Charlie Roots mid 1990's work on the adjacent Lansing map sheet (105N) immediately to the west,makes for a much greater undersatanding of the complexity (and opportunities) found within the areas geology and structure.

Cecile proposes 10 new formations and three new members. Many of these cannot be mapped at a 1:50,000 scale. Combined with the structural shortening he proposes (80% over the eastern portion of the Arrowhead project area), makes for a potentially structurally well prepared set of strata that are in large part good hosts for mineralization based on other intrusive related gold systems (IRGS).

On the Senoa Claims, in the northeast of the project area, Cecile has made a traverse (see fig. 4b) through folded and faulted Elmer Creek Formation and Steel Formation units. The Elmer Lake Formation consists of Ordivician chertand siliceous shale. The Steel Formation consists of Silurian age orange weathering argillite and has been a host for economic gold deposits elsewhere, most noteabley at the Brewery Creek Mine. (R. Diment , pers comm). The units are tightly folded (up to 80% shortening) and the fold axis bend from a NW strike to a SW strike, in a bent bow pattern.

The geology of the Tom, EM, and Wilson Claims consist of the edge of a mid Cretaceous Pluton (Emerald Lake Stock) and a hornsfel sedimentary rocks consisting of typical Selwyn basin shales, cherts, sandstones, argillites and in places minor carbonates. As in the rest of the project area these sediments range in age from late Proterozoic to Carboniferous. Jiang (1997) describes the 12 x2.5 km pluton as distinctly alkaline and silica deficient in composition. At the Tom Claims numerous parellel to sub parallel quartz veins strike easterly and range in size from 2cm to over 30 centimenters in width. These veins host will developed moly rosettes, at a

centemeter scale. Some >1 inch biotite 'crystals' are also found in the quartz veins at the margins of the intrusive.

To the east, into the horsfeled sediments a series of intrusive dikes cut the sediments. These dikes, most on a meter sized scale, are fine grained and tourmaline rich.

To the north the AL (Arrowhead Lake) Claims cover a sedimentary package that lies 2 km east of a biotite granodiorite plug, probably Cretaceous in age, that, according to Cyrus geologists was emplaced into Devonian argillite, siltstone and dark grey chert and mixed breccia. I would suspect that the rocks also include Ordivician Steel Formation argillites, as most of the Devonian rocks, according to Cecile (2002) are cherts and shales. A second intrusion six kilometers to the east is reported to intrude sediments, including Steele Formation argillite, from Camrian to Devonian.

In the Old Cabin area a Tombstone Suite intrusion cuts Old Cabin Volcanics and upper Proterozoic sediments. The regional magnetic signature suggests that a second, buried intrusion, may be present 3 km to the west. In addition to the volcanics Silurian age limestones are mapped (YGS). Cecile puts the age of the Old Cabin Volcanics from Cambrian to early Silurian. The volcanics overlie the Gull Lake Formation argillites with a sharp contact. and is directly overlain by Steel Formation (Cecile, 2000). The volcanics in the area are up to 500m thick and consist of hyaloclastic breccia and lesser tuffs , massive flows and pillow flows, so sub aqueous.

The volcanics show evidence of intense low temperature hydrothermal alteration (Hart in Cecile 2000). Some of the volcanics seem to have undergone decalcification. These areas show up as red patches on Google Earth images.

Work Program

Work on the "Arrowhead Regional Program" has been ongoing since 2008. In January of that year some initial claim staking was carried out at Emerald Lake. In July two men camped south of Algea Lake (Senoa Claims area) to attempt to reproduce government regional geochem silt data (RGS). In addition infill silt sample were procured and general proispecting of the area was performed. In August two men prospected and silt sampled an area of sediment ary rocks 7 km south of Arrowhead Lake. The area was drained by a stream with a 207 ppb Au silt anomaly. In addition to the prospecting 8 'AL' claims where located. Work consisted of prospecting along a regional mag anomaly and doing fill in silt sampling.

In 2009 additional claims were staked over the two area mentioned above (Senoa and AL respectively) in addition more claims were added at Emerald Lake. A six man day helicopter supported program designated to look at select targets in the Arrowhead regional area was conducted. The reccy program was to verify known showings, consider quartz vein density and distribution in Cretaceous intrusions where known mineralization exists, namely at Emerald

Lake and on the LM claims where 90m of 2.09g Au was drilled in an intrusive; Look at any mineralization in sediments; Consider the Old Cabin Volcanics; Determine, in a gross sense, if there is proper structural preparation for Au deposition.

Senoa: Government regional geochem (RGS) anomalies run in a NNW linear trend along Senoa Creek and continue SSE south of Algae Lake over a thirty kilometer distance. Of 29 samples taken 18, or 62%, are greater than a 70th percentile rating on the 105O map sheet. The highest values are south of Algae lake with a 100ppb (19 repeat). The 70th percentile is at 8ppb, the 90th percentile at 15ppb. Of the set above ten, or over 34%, are at or above the 90th percentile. Thus work in 2008 concentrated on verifying the RGS numbers, doing infil, and prospecting for a source.

All samples at Senoa (see assay sheets) are prefixed by "08O10". St = silt, SL = soil, R=rock. There were a total of 37 samples processed; 1 soil, 13 silts, and 23 rock. All samples in all areas where analysed by Acme Labs in Vancouver using a 15g sample and their 1DX analysis package, Details of the process are found on the appended analytical sheets. Ten man days were spent in the field

AL The RGS data at the AL area (4-6 km south of Arroehead Lake) shows two samples. Both are > 90%, with one sample draining sediments running 207/192(repeat) and the more northerly sample running47/38ppb Au. Work at AL was designed to verify the RGS samples, expand the number os samples and prospect. Due to some communication error the trans north helicopter arrived one day early, cutting the program a bit short. Heavy snow rain made work difficult. An adjacent RGS sample of 34/13 drained the intrusive with a drill hole running 2.09 Au over 90m.

All samples at AL are prefixed with "08O11". 36 samples were processed as described above. 28 were rock samples, 7 silts and 1 soil. Approximately 4 man days were spent in the field.

Emerald Lake Tom Morgan working for a junior (Alliance Pacific) had discovered a sulfide pod that reportedly ran 80 OPT Au. Work in 2009 was to try to relocate the showing and look at the possabilites of expanding it, or finding other showings. Assessment reports filed showed values of .464 OPT over 32.8 ft.; 15.468 OPT over 3.3ft. ; and 1.19 OPT over 65.6 ft. These sorts of values obviously sparked interest in the area.

All samples from Emerald are prefixed 09T, or T. Again the samples were analysed by Acme Labs, Vancouver as described above and on the analysis sheets.

The work program consisted of trying to locate the old showing, investigating intrusive dikes in the horsfelled sediments and sampling quartz veins in the intrusion itself. 11 mandays were spent in the field. 22 rock samples were collected and analysed.

Old Cabin The RGS data from creeks draining, or adjacent to the Old Cabin "massif" are immpressive. Of 14 sample sites all but 2 are below the 90th percentile. High values include 805, 392 570 ppb! 12 rock and 2 soil samples were collected and sent for analysis. They are prefixed with 'OC' or with Brett's dataa simple 4 digit number. The 5 'OC' rocks were analysed by Acme as above. The Brett samples were analysed by ALS in Vancouver using an 35 element

ICP package as described on the assay sheets, appended. Approximately 6 man days were spent at OC.

Work consisted of sampling brecciated volcanics, arseno rich veins, considering a zone of decalcification and prospecting the areas with the highest RGS numbers.

Results

Senoa Ten of thirteen silt samples taken along a trend of anomalous RGS samples returned values of 70 percentile or greater. Four of these thirteen were >90th percentile. Three government sampleswere collected in the area. All were in the 90th percentile. ST1 of 14ppb corresponded to a government # 25/24ppb, however the sample was collected much higher up in the drainage than the govt. sample. ST2 ran 22.1 vs 23/25 and ST5 ran 24.1 vs. 19/100. The three additional samples collected from streams draining east ran13.6, 24.1, and 14.5. The only drainage from the west, ST4 had a value of 28.3 ppb Au.

Generally silt samples that had anomalous Au also showed high copper values, in the 100's to 520ppm Cu, as well as high Zn values, in the 1,000's to 5,051ppm Zn. Mn was elevated through out. Fe values to 39% were high, as expected, in areas draining ferricretes. ST7 had a high Sr value of 1,158 ppm, but was low in everything else but Fe.

The only rock that had an anomalous Au value was R1. The sample consisted of a bleb of pyrite and ran 162.9 Au,263 Cu, but only 6.22% Fe. Most rock samples consisted of quartz, or chert breccia/ferricrete, or limonitic shale and cherts.

AL One quarter (seven of ten) rock samples ran greater than 1g/t Au, using Acme's 3A 15g sample. Five of 28 were over 1g/t Au with the 1DX (aqua regia digestion ICP-MS finish, .5g sample) method, but the values were greaterwith three above 2g/t (max 4.262g/tAu). Either way there is significant gold in the system. Without doing a statistical analysis there seems to be a rough correlation between Pb and Au, though it is not always the same correlation.

Of the 28 rock samples 10 are greater than 100 ppm W; 4 above 1,000Pb; 3 greater than 1,000 Zn and As. No intrusive rocks were noted however 5 of the samples had a Bi value greater than 100ppm. So there may be an intrusive component to the mineralization, which isn't surprising. A mag high just north of the rock samples (and south of the silt sampling) is thought to represent the cooked sediments. It is possible that the mapped intrusion 3 km south of this mag high is the tip of the proverbial iceberg, and the intrusion sits under a good portion of the area beteen the intrusion and mag high. This intrusion is the one running 2.06g over 90m. As the intrusion is buried at the AL claims it would represent a target with a complete cupula intact.

The silt sampling to the north confirms the government RGS sample of 47ppb Au with two samples, a 39.4 below the RGS site and a 44.2 upstream. Four of the seven samples were

greater than the 70th percentile, three greater than 90%. Two very small streams weren't expected to run. The creek draining the area of mineralization in the south that ran 209 on the government survey was not sampled. On soil sample was taken just west of S-4. It is a kill zone of sorts, that looks like an outwash, but elevated well above flood level (SL-1). It ran elevated Cu (232), Au (14.8), As(320), as well as Mn and Fe. Sb,Pb and As values are higher, and Zn values lower than in the silt samples at Senoa.

Emerald Lake Nineteen rock samples were collected and sent for analysis (Brett did not send in any samples collected here). One sample,09TR20 ran over 100,000 ppb Au, >10,000Pb, >2,000Bi,and >2,000 Sb. A repeat had 0 gold. Obviously nugget effect. Even if the values are present, the tonnage apparently isn't. The Tom Morgan showing which the Junior company extrapulated to tremendous widths, and in every direction, had basically been removed. A good book will cover it.

The intrusion under the Tom claims is cut by a myriad of quartz veins, from 1 cm to over 1 foot. They pinch and swell but are more or less continuous for well over one hundred meters, and over a good width. The veins have rosetts of moly, many up to a cm. in size.

Four samples had anomalous gold. R20, mentioned previously, two samples R4,5 were 200 m south of the main zone. #4 was altered intrusive over 1" that ran339Au, with elevated Cu and Pb. Sample 5 was a 1/2 " quartz vien that ran less than a 1/4 gram Au. Finallt 200m east of the main zone a1 " dry fracture in intrusive ran 1.2 (1.6 1DX30) g Au, with high Bi, Sb and Pb, just as in the high grade sample. Sample T-1, float calcite with sulfides and well formed quartz crystals had the same profile. In addition it ran607 ppm U.

Overall the area is disappointing given the hype in earlier assessment reports.

Old Cabin Twelve rock samples and two soils were collected by two Brett/Kinross Geos and myself over a 2 day period. Two samples taken quite close together, both in a 'brecciated' calcium rich volcanic unit tells a tale. The prospectors ran 1.04g/t Au, the geos, 42 ppb. (ALS vs ACME???) The highest value from the geos, in volcanic or Steel Formation 203 ppb. My five samples, two from As rich showings, returned values 3.122g (>10,000 As); 228g (1,521 As); 1.04g (72.2ppm As). Two others had no gold.

The regional geochem for OC is spectacular for gold, good for copper and poor for As, despite there seeming to be a fair bit of the later around (see sample descriptions). In an area of decalcified volcanics Brett returned a copper value in soils of 694 and 82 ppb Au. A second sample (4444) had a > 10,000 P, possibly a fertilizer mine.. Rock samples by Brett returned Cu values of .1% and .14% Cu., mine mostly collected 2 km east were half those values at best.

The most easterly Minfile 105O 039 consisted of a trench across a steep ridge, high winds prevented a landing to look at it.

The geology of Steel Formation rocks over a calcium rich breccia like volcanic, allunderlain by a possible intrusive lend itself to a good potential for some sort of replacement deposit.

Conclusion and Discussion: [1]

Why Arrowhead, Why Now? The Arrowhead Project encompasses a frontier area with all "the bells and whistles" of a new gold district. The intrusive related gold systems (IRGS) allow for a variety of gold deposit types, depending in part, on the geology being intruded. For Arrowhead Ft. Knox, replacement, skarn, sediment hosted and vein type are all viable targets depending on proximity to the intrusion, timing, structure and surrounding geology.

The Arrowhead Area has been explored three times previously. First was the post gold rush era, through to the 1950's. Most of the features in the country derived their respective names by and for prospectors/trappers of that time period. One story is recounted in Aaro Aho's Hills of Silver (Aho, 2006) of a US furgurtive prospecting the upper Hess and bringing to the Mayo assay office " 50 to 60 pounds of quartz, up to a foot across, laced with gold..." To give the story some due, Livingston Werneke actually flew out to Wilson's find with a well known pilot, Everett Wasson, only to be turned back, at gun point after the two strong willed men couldn't decide which lake to land on.

The second surge occurred after the Faro discovery (more on an Atlas discovery later) and included several large companies in the 1970's and 80's looking for base metals, and some gold as its price apprecited in the 1980's.

Finally in the mid 1990's, after the Ft Knox intrusive hosted deposit was deemed economic, the area was again explored for gold and gems. One of the better exploration holes from that time period was drilled by Alliance Pacific with 90m of 2.06 Au in an intrusive. This was follow up to a soil line running 536g Au over 800m. The remoteness of the area and the decrease in gold prices through 2001 discolored any favorable results.

Today there is a better understanding of the area geology and structure (Cecile, 2000) as well as a more mature understanding of intrusive related gold systems. In addition a new generation of geophysics and the hardware/software needed to process information is available. It doesn't hurt that the price of gold is north of $1,000. One 'newer' sampling technique employeed by Newmont in areas with perspective bulk gold targets is BLEG (bulk leach extracted gold) utilizing a large fine grain fraction from the inactive area of a stream. This might work in this area.

Within the Arrowhead Project area several targets have merit. Refer to the Brewery Creek/ Arrowhead Mag comparison map attached with this report. The magnetic signature spectrum at Brewery Creek/Antimony Mtn. is very similar to the Arrowhead area. The Emerald lake Mag looks very similar to Brewery Creek. The geolgy is similar as well.

There are "high grade" samples through out the Arrowhead area. At the Skronk (5 miles west of Emerald Lake) and at the later samples over 1 OPT are found. At Arrowhead Lake and Old Cabin multi gram samples are found. Once galena is located at Senoa (old atlas info) I believe the same will be said for that local. The missing link in the Arrowhead Project Area seems to be structure. Cyprus, during their preliminary investigations of the general area implied they were looking for a structural key (Jiang, 1998). During exploration in 2009 with Rick Diment (Brett/Kinross) in the Arrowhead Project area, structural preparation was continually stressed. (we did not get to the Senoa area) Diment, who was the project geologist at the very similar Brewery Creek Mine, related the difference between Brewery Creek and the nearby Ore Ida property, one having structural preparation, the later not. The mag and other attributes were similar. Specifically the geology has to present an orientation that when faulted, thrust, intruded or otherwise disturbed can "accordian", making openings for gold deposition. The proper host rock obviously was a key role as well, the quartzites and cherts shatter well and limey units if exposed to fluids flowing along structures make good hosts.

Senoa Creek. A series of highly anamalous RGS (regional silt data) can be seen on the accompanying Lueck Project and Cyprus maps. The linear pattern of these anomalies is striking. There is a very subtle mag anomaly that parallels but is offset to the east of the linear N/S Au anomaly. This anomaly may mark the presence of a buried intrusion. Our most recent work here, south of Algae Lake confirms and infills the anomalous silt data (see results section). Only blebs (to 4 cm) of slightly auriferous pytite were found. Interestingly the author, while looking in Atlas Exploration archive material, found a hand drawn map of the Senoa creek north of Algae Lake showing galena float. Atlas's interest and assays were for Pb, Zn and Cu only. Au was not considered. This area is along the lineal Au trend mentioned above. The galena find is significant in that our work in 2008/9, 20 km to the SW (south of Arrowhead Lake) found galena in sediments that ran 4.262g Au. I believe there is a galena/gold correlation in the sediment hosted deposits in this project area.

The strucural preparation might be optimal at Senoa. Cecile (2000) describes the rock units in the immediate area undergoing a shortening of 80%!! In addition he describes the "Rogue Decollement Complex". This detachment occurs at the level of the Arrowhead formation (late Proterozoic and may be 2-18 km deep depending where one is). Apparently there are shallower detachments as well. A series of folds (the 80% shortening) are related to this decollement and result in " a continuous swing in the structural trends, and map units, from northwest to southeast trending" (Cecile 2000). This seems to creat a structural situation, at least at Senoa, where every possible angle between the many fault structures and geology exist. Somewhere in that great bend (see Cecile structural map, attached) the proper habitat for ore deposition must occur. In addition the multiple detachments may be a conduit for fluids from the suspected buried intrusion to the east and the Steel formation geology (host of

Brewery Creek Mine) at Senoa Creek. It all fits. Given the high gold and pathfinder element signature (see RGS color maps attached, and results section), the geology of favorable host rocks, and the structural complexity this remains a good target area.

The Senoa area need to have a comprehensive silt/BLEG survey conducted along the known linear trend, north of the work already done by the author (see results section and assay sheets). In addition prospecting needs to be done to locate more galena mineralization on the same trend and assay it for Au. A structural geologist needs to consider the multiple folds and the Elmer Creek thrust that runs through the Senoa area.

Arrowhead Lake (not to be confused with the all encompassing Arrowhead project area). The AL claims were staked in an area covered by hornsfeled sedimentary rocks (Steel??) adjacent to the pluton running 2.09 g Au over 90 m in drill core (LM Claims).

A 4,262g and a 3.073g sample of auriferous galena float confirms the local derivation of gold in these sediments. In addition the numerous anomalous silts, (39.4, 44.2, 15.5, 207) collected over a much larger area show the promise of the sediment package.

During the 2009 season a helicopter was unable to land in the chosen spot. As with the rest of the greater project area the structural setting has to be considered. This is beyond my capabilities, thus a structural geologist should be hired. Pinpointing mineralization outcrops after followup of silts and float discoveries will narrow the scope of any structural work.

Cyprus staked a claim block over this area during the mid '90's in conjunction with their work on the optioned Alliance Pacific gold (Emerald lake Project). No work was ever filed. But it suggests that the setting was to their liking.

Emerald Lake The Emerald Lake area continues ti hold some promise but work in 2009 proved disappointing. The high grade zone Tom Morgan discovered in the mid 90's was relocated. Most of the showing had been removed by blasting. The remainder was a small pod of shiny black, partially accicular non magnetic sulfide with free gold. This combination leads to a nugget effect. The black sulfides are probably minerals of Bi, Sb and Pb, based on geochemistry results. Previous explorers apparently blended the high grade pod with different lengths of the quartz vien hosting it to come up with impressive, but not wholly representative assays.

The quatz veining within the intrusive margins if mineralized with gold to even a gram would probably be sufficient to make a potentially viable economic target. Within the sedimentary rocks beyond the intrusive, fist size float rocks with elevated (to beyond detection) Bi, Pb Ag and elevated Sb were collected. This may signify that more mineralized pods are present.

The topography at Emerald lake is beyond rugged. That combined with the remoteness makesthis target less interesting in the overall Arrowhead Project.

Old Cabin The geology at Old Cabin (OC) is significantly different than the rest of the Arrowhead Project. At OC alkalic basalts volcanic breccia with carbonates overlie the Steel Formation with the possability, in the west, of an intrusion underlying the volcanics.

These calcareous rich breccia seem to be an ideal host for a replacement deposit of some sort. The RGS data, for gold and copper is very high. As is quite low dispite several auriferous As veins in the area. The areas of decalcification, that show up as red patches on google earth, maybe important in any deposit formation.

Brett/Kinross did not seem overly impressed with the area after six man days on site (they did not see my sample results). Union Carbide has mapped some faults in the area. Given that, a lack of structural preparation may be the problem in Brett's eyes. I am not sure this is as critical given the nature of the volcanics, being brecciated and, at least in places calcareous.

There are significant RGS anaomalies for gold coming off most streams draining the west half of OC. The magnetics mapshows one distinct high. If one assumes the high is caused by pyrhotite in the sediments adjacent to the intrusive it is not clear exactly where the intrusive would be. But it would have a solid cap of Steel formation or limy volcanics in which to mineralize. It is a difficult exploration target despite good exposure. There is a lack of well developed soils. Despite the lack of an As signature in the RGS data all showings located had some arseno component. The area of decalcification (red on the google earth map) needs an explaination. Obviously a fair bit of fluid moved through the rocks.

There are several other areas such as Minfile Occurences 55 and 59 (Christina and Scronk respectively) 10 km east of Emerald Lake, were several > 1 OPT samples have been collected, and the potential for porphry style of mineralization exists. Or #54 the same distance west of Emerald lake where 6g Au was returned in sediments. In 2009 this area was quickly considered by the Brett team. Despite an impressive gossan, and some sulphides they were not impressed. Again they racked it up to limited structure, something I am not sure I understand/agree with.

The Arrowhead Project has good potential to host an economic gold deposit given its combined attributes of geology, structure and mineralization. Due to the remoteness of the area only a high grade deposit would probably be viable at this time. However with time even a bulk minable target may be viable.

Recommendations

Senoa Senoa needs a tight steam sediment program over the twenty kilometer linear anomaly. This might mean a sample every 200m up each creek south of Algae Lake, and a spacing of 500 m in the creeks draining east/west north of Algae Lake. Possibly a BLEG (bulk leach extractable gold) sample could be taken on the larger, north/south Streams (Senoa, and the stream south of Algae.

In addition the galena float reported by Atlas need to be located along Senoa Creek and its origin traced. The area is so large I wouldn't know where to center a soils program at this stage.

Having a structural geologist consider the area would also help. This might be better timed after the silts are analysed.

AL There is enough evidence of gold mineralization for a soils program at AL. However the topograghy and lack of soil profile (talus and cliff) preclude a grid survey. Thus I would reccomend two contour soil lines, with samples taken at 25m intervals, over approximately 8km. This would be about 320 samples. The contour lines location are selected as float to over 4g/t Au are found to the east, and good silt anomalies have been taken on streams draining the west.

Old Cabin A series of stream sediment samples should be taken around the circumfrence of the Old Cabin Massif. This area encompasses the known pluton to the east and the suspected buried pluton in the west. In addition some sampling should ocur just to the south on the 570ppb RGS stream. Work in 2009 revealed volcanics there and a good silt stone host rock with some minor quartz stockwork. 32 silt samples should help define the extent and nature of moineralization at OC. In addition two BLEG samples should be takenon the two major stream draining the pluton and 'buried' pluton respectively.

Emerald Lake No further work is recommended for this area.

Other Areas Several other targets in the Regional Program remain to be tested.

The Skronk/Christian (I am naming JP and Ross) minfile 105O 55 and 59 consist of two exposed plutons (that may be attached) seperated by 4 kilometers. Both have very high associated gold values in float. Eagle Plains evaluated the showings and thought the quartz vein density was too sparse, and grades to low to warrant an economic deposit. A larger silt program in the area might reveal more targets in this rich area. The original discovers' (Elbert, now Dr. Elbert runs a jr company out of Newfoundland) took one silt that ran 141 ppb Au, draining a portion of the pluton not considered. I propose 30 silts for the area around these two minfile occurences.

There are other minfile occurences and anomalous RGS sites that provide a focal point for somewhat larger silt programs. These fit nicely with the Regional naturw of the whole area. Specifically minfile #54 (looked at in 2009 with Brett) with a reported 6 g/t Au sample in argillites. An area between it and Emerald lake with high RGS values, and another high RGS value to the east of the afore mentioned minfile #54.. A total of ten silts would help constrict where mineralization is occuring in this extremely rugged area.

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Appendix A

Arrowhead Program

Senoa

SENOA SOIL / SILT LOCATIONS

Sample	Latitude	Longitude	Date	Time(UTC)	Au	Mo	Cu	Pb	Zn
08O10SL1	63.69128	-130.76345	29-Jul-08	15:21	11.5	12.9	26.5	14.5	2284
08O10ST13	63.711334	-130.793641			3	19.5	64.8	1.2	1577

Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	
	1	213	178.8	>10000	27.07	21.5	5.4	7.4	2.3	20	5.7	5.5	0.2
	0.1	107.8	15.2	373	39.7	6.6	57.4	4.3	0.2	57	53.1	0.8	<0.1

[redacted]

V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	98	0.01	0.188	6	17	0.05	663	0.004	<20	0.71	<0.001	0.06 <0.1
	12	0.25	0.023	17	2	0.07	77	<0.001	<20	0.52	0.002	0.01 <0.1

Hg	Sc	Tl	S	Ga	Se	
	0.1	1.1	0.7	<0.05	3	4.1
	0.75	0.5	0.1	0.73 <1		2

Sample	Latitude	Longitude	Type	Description
08O10R1	63.71823	-130.783	Outcrop	High-grade sample of pyrite bulge in bedded slate outcrop. Minor (ductile)
08O10R2	63.73934	-130.833	Float	Talus below hillside. Clean quartz vein within chert, some limonite and ma
08O10R3	63.72688	-130.851	Outcrop	Sample of layer of rusted, vuggy slate ~ 20cm thick, housed in shale on eitl
08O10R4	63.72426	-130.847	Float	Float. Hairline to 1cm subparallel quartz veins through dark blue-grey cher
08O10R5	63.72245	-130.815	Float and so	Mixed sample of ferrocrete from red stain above 08O10ST3 and ~25% red
08O10R6	63.71036	-130.769	Float	Talus/skree. Sample of dark grey chert with some minor pyrite and limonit
08O10R7	63.71036	-130.769	Float	Talus/skree. Sample of quartz specimens from the same slope, some cross
08O10R8	63.70122	-130.76	Outcrop	Rusty quartz vein cutting across layers of grey shale. Vuggy with patches o
08O10R9	63.70079	-130.759	Float (in cree	Yellow-stained, white vein quartz w/Fe to limonite on fractures and vugs, c
08O10R10	63.69958	-130.786	Float	Greyish to black "quartz" and limonite.
08O10R11	63.70223	-130.79	Float	Greyish to black "quartz" and limonite.
08O10R12	63.711	-130.8	Float	Quartz veins through dark grey slate on talus slope.
08O10R13	63.70934	-130.801	Outcrop	Quartz veining through very dark blue-grey chert. 1 vein ~15cm wide and (
08O10R14	63.70894	-130.802	Outcrop	Similar to 08O10R13, good piece of vein quartz with darker-looking quartz
08O10R15	63.70263	-130.782	Outcrop	Vein-brecciated grey shale, very rusty. One intact quartz vein in bedrock, b
08O10R16	63.70744	-130.778	Outcrop	Rusty quartz vein through rusted grey and dark grey shale, roughly parallel
08O10R17	63.7082	-130.802	Float	Rusty quartz slickenfibres (recrystallized?) along a quartz vein (~4cm thick)
08O10R18	63.71764	-130.788	Float	"Limonitocrete" with manganese, clasts of chert, 6"x6"x6".
08O10R19	63.71407	-130.788	Float	Orange colored, limonitic chert with quartz frag cemented, red to yellow li
08O10R20	63.71382	-130.788	Float	Limonite chert breccia.
08O10R21	63.71359	-130.788	Float	Limonite quartz chert.
08O10R22	63.71359	-130.788	Float	Fe-stained tan shale w/ 50% silvery pyrite in pads with calcite/quartz? <mn

Comments

-grade sample of pyrite bulge in bedded slate outcrop. Minor (ductile) tectonic deformation in beds. Manganese and limonite a
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Found metal tag reading "134372" in outcrop above rust stain.
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Estimated coordinates.

Limonite quartz chert.

Fe-stained tan shale w/ 50% silvery pyrite in pads with calcite/quartz? <mm stringers throughout pyrite.

Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	
	32.2	184	0.5	47.3	41.9	2109	6.22	14.5	2.3
	10	51	<0.1	14.9	10.4	570	1.07	2.4	0.6
	6.7	38	<0.1	21.7	8.8	4177	4.55	1.1	0.7
	4.5	15	<0.1	8.1	2.7	48	0.5	1.5	<0.1
	6.5	120	0.4	7.9	1.9	69	28.44	78.9	1.4
	10.7	222	0.2	77.2	10.3	1007	3.82	3.6	0.7
	2.5	36	<0.1	20.5	1.2	89	0.56	5.5	0.8
	0.8	12	<0.1	2.8	0.5	67	0.57	9.8	0.3
	1.6	27	<0.1	5.9	0.3	31	0.57	3.4	0.3
	4.7	20	0.3	4.9	1	46	0.47	4.7	3.4
	4.9	20	0.2	4.4	0.7	29	0.5	7.4	0.6
	1.9	59	<0.1	19.1	2	74	1.28	3.7	1.2
	1.5	54	<0.1	14.9	4.7	807	1.48	1.9	0.1
	0.8	30	<0.1	11.1	3.1	39	0.56	2.1	0.2
	3.8	31	<0.1	14	3.2	1198	2.06	2.3	0.2
	0.8	36	<0.1	10.2	2.5	785	2.42	0.8	0.3
	4.4	58	<0.1	9.5	6.8	903	1.02	0.9	0.1
	6.9	278	<0.1	52.6	5.9	293	2.79	2.1	0.8
	2.3	2006	<0.1	259	30.5	432	6.65	8	3.4
	6.4	607	0.2	35.1	3.7	88	6.12	23.3	3.1
	4.3	841	0.3	108.6	8.5	169	11.44	18.3	4.1
	34.9	46	0.7	71.5	29.7	83	9.23	50	0.6

Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
	35.2	3.6	33	0.8	8.4	0.3	68	0.25	0.253
	1.5	0.7	235	0.3	0.4	0.2	15	0.42	0.217
<0.5		1.6	590	0.1	1.9	<0.1	13	8.09	0.016
	1.6	0.3	11	<0.1	0.6	<0.1	7	0.03	0.011
	5.4	1.9	18	0.5	3.5	0.1	252	0.05	0.259
	0.6	1.5	38	1.9	0.6	0.1	52	0.1	0.024
<0.5		0.6	115	1.6	0.6	<0.1	9	0.12	0.076
<0.5		0.3	36	0.4	3.7	<0.1	9	0.01	0.032
	4.4	0.3	14	<0.1	3.3	<0.1	11	<0.01	0.023
	0.6	0.6	98	0.5	2	<0.1	18	0.09	0.054
<0.5		0.6	63	<0.1	3	<0.1	18	0.08	0.062
<0.5		0.7	18	<0.1	2.1	0.1	12	0.03	0.03
<0.5		0.4	25	1.7	0.5	<0.1	7	0.25	0.013
	3.6	0.2	7	<0.1	1.5	<0.1	5	0.03	0.018
	0.6	2.4	278	0.1	0.3	0.2	16	2.63	0.107
<0.5		0.5	1158	1.2	0.8	<0.1	4	7.03	0.008
	0.7	0.2	208	1.7	0.3	<0.1	4	1.35	0.009
<0.5		0.5	28	2.6	1	0.1	62	0.09	0.042
	1.5	1.7	6	1.3	1	0.1	52	0.02	0.046
<0.5		3.7	62	1.5	2.5	0.2	40	0.04	0.112
	0.9	3.5	63	2.1	6.6	0.2	60	0.06	0.159
	14.9	2.6	6	<0.1	1.5	0.3	11	0.02	0.018

La	Cr	Mg	Ba	Ti	B	Al	Na	K	
	12	21	0.42	54	0.007	<20	0.77	0.008	0.22
	6	21	0.19	101	0.002	<20	0.44	0.002	0.01
	9	17	4.33	944	0.004	<20	0.77	0.007	0.09
	2	29	0.05	83	<0.001	<20	0.1	0.001	0.02
	3	54	0.16	111	0.004	<20	0.51	0.001	0.06
	9	30	0.76	429	0.002	<20	1.29	0.003	0.06
	3	15	0.07	1269	<0.001	<20	0.39	0.003	0.02
	2	14	<0.01	68	<0.001	<20	0.07	0.007	0.02
<1		14	<0.01	47	<0.001	<20	0.09	0.003	<0.01
	4	26	0.04	389	<0.001	<20	0.18	0.002	0.04
	3	16	<0.01	334	<0.001	<20	0.1	0.003	0.05
	3	22	0.28	434	0.001	<20	0.52	0.001	0.05
	3	18	0.21	94	<0.001	<20	0.2	0.007	0.03
	1	22	0.13	89	<0.001	<20	0.23	<0.001	0.02
	16	21	0.64	236	0.001	<20	0.23	0.031	0.03
	2	10	3.2	651	0.001	<20	0.1	0.003	0.03
<1		11	0.81	59	<0.001	<20	0.27	0.001	<0.01
	3	25	0.82	658	0.001	<20	1.54	<0.001	0.05
	11	41	0.29	182	0.001	<20	0.74	0.002	0.02
	16	14	0.16	663	0.002	<20	0.82	0.011	0.23
	9	19	0.07	630	0.002	<20	0.91	0.005	0.08
	7	12	0.29	7	0.005	<20	0.63	0.009	0.21

W	Hg	Sc	Tl	S	Ga	Se	
<0.1		0.45	4.3	0.2	2.1	4	7.5
<0.1	<0.01		3.3	<0.1	<0.05	2	1
<0.1		0.02	4.1	<0.1	0.13	3	0.5
<0.1		0.03	0.6	<0.1	<0.05	<1	<0.5
<0.1		0.12	1.6	<0.1	0.79	4	5.9
<0.1		0.06	2.1	<0.1	0.26	7	2.4
<0.1		0.03	0.8	<0.1	0.06	<1	0.6
<0.1		0.05	0.2	<0.1	<0.05	<1	1.1
	0.1	0.02	0.3	<0.1	<0.05	<1	0.9
<0.1		0.13	0.4	<0.1	<0.05	<1	1.7
<0.1		0.13	0.5	<0.1	0.07	<1	2.5
<0.1		0.02	1.1	<0.1	0.19	1	2
<0.1		0.01	1.2	<0.1	<0.05	<1	1.3
<0.1		0.01	0.6	<0.1	<0.05	<1	<0.5
<0.1		0.02	3	<0.1	<0.05	<1	<0.5
<0.1	<0.01		1.2	<0.1	<0.05	<1	0.7
<0.1		0.01	0.3	<0.1	<0.05	<1	0.6
<0.1		0.08	1.9	<0.1	<0.05	5	0.9
<0.1		0.08	4.5	<0.1	<0.05	3	1
<0.1		0.06	2.1	0.2	0.19	3	2.1
<0.1		0.12	4.3	<0.1	0.07	1	5.9
<0.1		0.41	1.4	0.3	7.88	2	3.5

Sample	Latitude	Longitude	Au	Mo	Cu	Pb	Zn
08O10ST1	63.71254	-130.75874	14	16.3	210.5	17.5	970
08O10ST2	63.72352	-130.8015	16.6	13.2	365.8	19.2	2366
08O10ST3	63.72947	-130.81288	13.6	8.2	520	14.5	5051
08O10ST4	63.73158	-130.80615	28.3	12.3	237.4	16.7	2186
08O10ST5	63.73725	-130.82655	24.1	8.4	328.3	17	2066
08O10ST6	63.74329	-130.84633	14.5	7	161.6	20.4	318
08O10ST7	63.70139	-130.76205	3.1	7	21.1	6	16
08O10ST8	63.70024	-130.75832	1.4	19.5	18.9	2.6	914
08O10ST9	63.69793	-130.75635	9.7	8.3	125	13	938
08O10ST10	63.69267	-130.76098	10.8	10.3	160.2	15.6	1001
08O10ST11	63.69523	-130.76349	14.9	11.9	154.3	17	414
08O10ST12	63.71894	-130.78724	22.1	17.3	222.2	20.1	1850

Ag	Ni	Co	Mn	Fe	As	U	Au	Th	
	1.5	143.9	22.7	1354	3.4	28.9	10.8	8.2	2.9
	0.9	229.9	97.5	6373	5.96	29.2	17.5	11.6	3.8
	0.6	346.1	128.2	9803	8.8	18.2	19.5	12.7	2.6
	1.1	341.6	71	8129	4.47	21.2	6.4	13.2	2.4
	0.5	292.2	70.3	7976	4.49	19.6	7.5	9.8	2.9
	0.7	62.2	24.6	1321	3.83	16.6	3.4	10.2	2.2
	0.9	3.2	0.4	20	33.06	51.3	1.6	3.7	1.1
	0.2	41.9	8.7	321	33.48	10.6	11.2	2.5	0.6
	0.7	102.5	12.5	478	2.87	18.5	5.2	8.2	1.9
	0.7	163.6	22.2	1219	3.42	20.5	7.2	8.3	2.9
	0.5	65.3	17.8	482	3.26	21.1	6	8.4	3.6
	1	266.1	65.6	5040	8.24	26.2	19.8	13.8	3.7

Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
	85	15.6	7.9	0.3	99	0.35	0.203	22	26
	82	42	4.5	0.3	119	0.29	0.236	24	42
	77	54.8	2.1	0.2	80	0.41	0.201	35	33
	82	36.4	4.5	0.3	77	0.68	0.293	22	29
	78	29.7	3.1	0.2	111	0.35	0.208	19	38
	68	4.5	2.8	0.3	103	0.5	0.209	18	37
	57	0.3	6.7	<0.1	1158	0.03	0.413	5	17
	52	24	2.3	<0.1	12	0.15	0.047	3	3
	67	10.1	4.2	0.2	99	0.3	0.158	12	27
	88	10.6	4.8	0.2	102	0.46	0.216	17	26
	64	3.2	5.4	0.2	131	0.3	0.178	17	29
	86	34.5	6.5	0.3	157	0.32	0.189	20	29

Mg	Ba	Ti	B	Al	Na	K	W	Hg	
	0.35	456	0.004	<20	0.95	0.012	0.16	<0.1	0.38
	1.08	595	0.004	<20	2.26	0.007	0.15	<0.1	0.25
	0.8	356	0.004	<20	3.69	0.008	0.1	0.1	0.17
	0.6	412	0.004	<20	1.12	0.009	0.15	<0.1	0.32
	1.19	344	0.006	<20	2.02	0.009	0.13	<0.1	0.2
	1.19	268	0.005	<20	1.41	0.008	0.14	<0.1	0.29
	0.02	128	0.004	<20	0.17	0.011	0.11	<0.1	0.19
	0.04	112	0.001	<20	0.12	0.003	0.02	0.3	0.09
	0.46	531	0.004	<20	0.81	0.008	0.13	<0.1	0.23
	0.57	496	0.004	<20	1.02	0.008	0.17	<0.1	0.23
	0.64	508	0.005	<20	1.08	0.006	0.18	<0.1	0.25
	0.6	522	0.005	<20	1.42	0.009	0.18	<0.1	0.4

Sc	Tl	S	Ga	Se	
	3.1	0.5	0.22	3	6.6
	5.3	0.5	0.24	5	5.2
	3.5	0.3	0.19	5	4.5
	2.8	0.3	0.13	4	5.6
	4.1	0.3	0.14	6	3.5
	4.2	0.3	0.11	5	3.5
	0.8	<0.1	2.59	1	4.7
	0.6	0.2	<0.05	<1	0.9
	2.7	0.3	0.14	3	4.5
	3.2	0.3	0.19	4	4.2
	3.7	0.3	0.09	4	5.1
	4.3	0.5	0.22	4	6.2

[redacted] SENOA [redacted] SOIL [redacted]

Sample	Datum	Zone	Easting	Northing	Assayed?	Type	Description	Comments	Au PPB	Mo PPM	Cu PPM	Pb PPM	
08O10SL1	NAD83	09 V	412804	7063816	Y	Soil	Dirt from iron-stained slough on hillside; dark grey (nearly black)		11.5	13.9	23.5	16.5	chert, grey sla
08O10ST13	NAD83	09 V	411481	7065897	Y	Stream Sediment	Fine concrete sample (silt)		3	19.5	64.8	1.2	

Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM
2284	1	213	178.8	>10000	27.07	21.5	5.4	7.4	2.3	20	5.7	5.5
1577	0.1	107.8	15.2	373	39.7	6.6	57.4	4.3	0.2	57	53.1	0.8

Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	
PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	
	0.2	98	0.01	0.188	6	17	0.05	663	0.004	<20	0.71	<0.001	0.06
<0.1		12	0.25	0.023	17	2	0.07	77	<0.001	<20	0.52	0.002	0.01

W	Hg	Sc	Tl	S	Ga	Se
PPM	PPM	PPM	PPM	%	PPM	PPM
<0.1	0.1	1.1	0.7	<0.05	3	4.1
<0.1	0.75	0.5	0.1	0.73	<1	2

AL

Sample Descriptions 'AL' Focus Regional Program

all in GPS zone 09

Rock samples:

08-11-R1 @ 0391365E, 7057662N - float in talus,yellow to rusty white quartz with blebs of Crystalline sulfides 1cmx2+cm

08-011-R2 @ 0391401E, 7057753N - Similar to R1 but altered w/ fluids, 1ft cu.

08-O11-R3 @R2, float 2" wide, white to black qtz vein w/ limonite (5%) and possibly Mn stain, sub metallic platy black xtals.

08- O11-R4 @ immed. W of R3, float, 2 ft. cu. rusty weathering chert w/mm scale parallel veins (6 in 2") w/ varying amounts of sulfides

08-O11-R5 @0391247E, 7057662N - float, spongy limonitic rich quartz (70% limo), trace sulfide

08-O11-R6 @float at R% greenish (scoridite?) vuggy quartz w/ arseno blebs to .5cm.

08-O11-R7 @0391190E,7057635N -float, chert with spongy yellow to red limonite , trace qtz and Mn

08-O11-R8 @0391208E,7057438N -6" quartz float w/ trace sulfide ,very small pods of limo.

08-O11-R9 @0391105E, 7057535N - float, Dark Fe stained 6" rock w/blebs of sulfide, pyrite and galena in a finer grey groundmass

08-O11-R10 @0391013E, 7057533N - float, bleached rx w/sub parallel to x cutting brownish veins.

08-O11-R12 @ R11 - Black rock w/ fine to course grained galena and pyrite in orange quartz.

08-O11-R13 @R11- 6" cu. quartz float w/mm dark poss. sulfide veinletts, orange stained, sulfides two colors., trace limo

08-O11-R14 @0390903E, 7057493N- 4 " cu. yellow quartz rich rock w/ fine grained pyrite

08-O11-R15 @100m west R14- various pieces of quartzflt, veins in chert, flt., 3" piece w/accicular needles and galena

08-O11-R16 @0390871E, 7057492N - float semi massive sulfide slab 2"x1', mostly pyrite, some quartz pieces, breccia like.

08-O11-17 @03990845E, 7057487N- float quartz in chert, alt w/Mn and pyrite

08-O11-R18 @west R17 - 'layered rx with .5 cm quartz vein and sulfide bands (pyrite and limo)

O8- O11-R21 50m East R1 - Alt. possible Quartzite with qtz veins w/ limonite and galena

08- O11-R22 @0391263E, 7057825N - outcrop,Fe sulfide veining thru lime green weathering quartz vein

08-O11-R23 @0391255E 7057820N- float, pyrite rich rusty Mn oxide stained quartz boulder, 30cm

08-O11-R24 @390942E 7057448N - massive sulfide vein, 3-4 cm thick thru milkey grey chert w/As, chalco.

08-O11-R25 @0390894E 7057454N- quartz vein thru light colored chert, flt silver mineral??

08-O11-R26 @0390868E 70579462N - rusty quatrz infused rock, float

08-O11-R27 @north side crk, sulfide rich rusty quartz vein, pyrite,limo, similar to R26

Soil Sample:

08-O11-SL-1 @0390665E, 7060126N - possible kill zone? (looks like creek overflow but isn't)

Silt Samples:

08-O11-S1 @0390599E,7059295N -stream sed, ferricrete in creel

08-O11-S-2 @0390880E, 7060060N - 2' wide creek w/white precipitate, esp on moss, poor sample.

08-O11-S3 @0391207E, 7060126N - 2' wide, very small drainage area, shale

08-O11-S4 20m west of SL-1 - main creek of S1 tributary, 3m wide, shallow.

08 -O11-S11 @0389764E 7058893N - 2-3 m wide fast strm, in shale, red /orange precip on bank

08-O11-S12 @0389594E 7058879N, fast water, shales, trib, main channel white precip.

08-O11-S13 @0389732E 70599180N 3m widewhitish/blue precip, poss. organic

Old Cabin

Sample	Longitude	Latitude	Notes	Wgt	Mo	Cu
OC-1	-131.4593	63.6898	West side of OC intrusive; Ur[illegible] Carbide showing 1 cm wide massive (may x-cut	[illegible]	0.5	[illegible]
OC-2	-131.453	63.6931	Arseno in volcanic limonitic 'pod' of 20m x 10m - surrounded by sed (grey shale, c	[illegible]	[illegible]	[illegible]
OC-3	-131.4652	63.7013	Mix of volcanics and sediment (chert "meta arg" some sulf [illegible]% of talus). picture	1.67	0.3	[illegible]
OC-4	-131.5079	63.7028	Volc and sulf from "main" area (where ricks looked @ rocks) - [illegible] cal/cal boundary	1.06	0.7	[illegible]
OC-5	-131.4562	63.6913	White quartz, black clast breccia	0.51	0.3	12.1

Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U
415.9	53	3.4	36.3	101.6	140	25.99	0	0.2
42.1	84	0.6	63.4	38.4	614	20.65	187.4	0.2
148.4	106	2.2	88.6	36.4	656	17.24	1520.8	0.3
255.5	66	1.7	17.3	45.9	1840	9.04	72.2	2.7
18.1	11	0	2.9	1.2	305	0.64	76.6	0

Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
3121.6	3	38	0.4	115.3	374.1	10	0.04	0.092
7.8	1.6	17	0	2	49.9	237	0.39	0.198
228	0.9	25	0.3	24.5	61.1	74	0.31	0.165
1039.6	3.7	154	0.2	1.3	28.9	116	10.65	0.799
3.5	0.1	1	0	0.5	0.9	5	0.02	0.006

La	Cr	Mg	Ba	Ti	B	Al	Na	K
5	24	0.02	7	0.004	2	0.22	0.001	0.12
12	290	2.23	7	0.011	0	3.05	0	0
9	92	1.01	4	0.009	1	1.72	0	0.05
24	0	1.3	110	0.026	2	2.4	0.004	0.22
0	18	0.04	19	0	0	0.08	0.002	0

W	Hg	Sc	Tl	S	Ga	Se
	0.06	1.5	0.8	7.58	1	12.3
<0.1	0	9	0	8.06	19	1.8
<0.1	0.08	5.5	0.3	8.24	9	2.3
<0.1	0.01	6.5	0.2	1.43	12	0.9
<0.1	0	0.2	0	0	0	0

ROCKS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1		ROCKS *Sample Descriptions (Emerald Lake Area)*															WEI-21	Au-AA23	ME-ICP41	ME-ICP41
2		Sample	Date	Sampler	Claim	NTS	(NAD83-zone 9)		Width (m)	Sample	Rock	Rock	Regional	DESCRIPTION	Sample	CERTIFICATE	Recvd Wt.	Au	Ag	
3		Number	d/m/y				Easting	Northing	(size)	Type	Type	Modifier (s)	Formation	(colour, texture, mineralogy, alteration, structure)	Number		kg	ppm	ppm	
4	1	4443	9/2/09	RZ	Old Cabin	105 O/12	376503	7066306	5.00	GB	BAS	sil-alt	CSM	lt pale orange brown; vug; qtz-silica, limonite in vugs, cxl-sil; severely silica flooded volcanic resembles a QTE	4443	VA09098662	2.94	0.203	<0.2	
5	2	4445	9/3/09	RZ	Old Cabin	105 O/12	376248	7066320	25.00	GB	BXA	alt-cal-vol	CSM	mod gy-bn; bxa; 25% meg xln cat; cal-cly alt; formational volcanic bxs w interstitial LST- recrystallized	4445	VA09098662	2.94	0.008	<0.2	
6	3	4446	9/3/09	RZ	Old Cabin	105 O/12	376297	7067058	0.25x0.25x0.25	FL	HFL	poo	ODR	dk gy-bn-blk; mas; 20% MnO2, 20% lim, 25% poo-py, tr cpy; cxl-sil; cooked very hard	4446	VA09098662	2.32	0.021	<0.2	
7	4	4448	9/3/09	RZ	Old Cabin	105 O/12	376239	7067318	0.03	RC	SLT	sx-vnlt	ODR	lt gy; vnlt; 30% py+ poo, qtz; large structure = J 176/75 (sx mineralization); 1/25m	4448	VA09098662	1.44	0.044	1	
8	5	4558	9/2/09	RD	Old Cabin	105 O/12	376207	7066321		FL	CGL	lst-ars	CSM	dk bn-or-blk; tr-3% ars, 1% poo; ser-sil; LST-CGL sub-rounded clasts of LST & intermediate VOL in cxl matrix, ars along fra surfaces	4558	VA09098662	1.94	0.042	<0.2	
9	6	4559	9/3/09	RD	Old Cabin	105 O/12	376182	7067092	2.00	RC	SLT	sil-ser	ODR	mod or-gy; fg; 1-3% poo, tr ars, tr cpr; sil-ser; pervasive ser sil, fg blk metallic sx, along strike from 4558	4559	VA09098662	1.84	0.171	0.7	
10	7	4560	9/3/09	RD	Old Cabin	105 O/12	376956	7066719		FL	BXA	alt-vol-cal	CSM	mod bg-blk; rel0d; 1% py, 1% poo; strong pervasive ser alt, mod sil; random float of top of ridge	4560	VA09098662	1.48	<0.005	<0.2	
11																				

SOILS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1		SOILS *Sample Descriptions (Emerald Lake Area)*																Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41
2		Sample	Date	Sampler	Claim	NTS	Easting	Northing	Colour	Composition (1-10 scale)	Depth	Soil	Regional	Comments	Sample	CERTIFICATE	Recvd Wt.	Au	Ag	Al
3		Number	d/m/y				(NAD83-zone 9)			organics-clay-silt-sand-gravel	(cm)	Horizon	Unit		Number		kg	ppm	ppm	%
4	1	4444	9/3/09	RZ	Old Cabin	105 O/12	376254	7066318	dk bn	0-4-4-0-2	10-20	C	CSM	lt pale orange brown; vug; qtz-silica, limonite in vugs, cxl-sil; severely silica flooded volcanic resembles a QTE	4444	VA09098663	1.08	0.005	<0.2	3.26
5	2	4447	9/3/09	RZ	Old Cabin	105 O/12	376227	7067231	mod bn	0-5-4-0-1	0-10	C	ODR/CSM	below v gossanous o/c & wh ferr-ck gulch (FeSO4); poo-py mineralization in bxn-sil SLT boulders + LST-VOL boulders; in a structural linear	4447	VA09098663	0.56	0.082	0.4	3.39
6																				

Abbreviation Codes

	A	B	C	D	E	F	G

1	**Rock Sample Type**					**Colours**	
2	RockChip	RC		TR	trench	bf	buff
3	Float	FL				bg	biege
4	Grab	GB				bk	black
5						bl	blue
6	**Rock Type**					bn	brown
7	BAS	basalt				br	brass
8	BXA	breccia				bz	bronze
9	CGL	conglomerate				cl	clear
10	CHT	chert				gl	glassy
11	FLT	fault				gn	green
12	HFL	hornfels				go	gold
13	LST	limestone				gy	grey
14	MNZ	monzonite				mt	metallic
15	QFP	quartz feldspar porphyry				ol	olive
16	QTE	quartzite				or	orange
17	SH	shale				pk	pink
18	SLT	siltstone				pu	purple
19						rd	red
20	**Rock Modifiers**					sil	silver
21	alt	altered		tk bd	thick bedded	tn	tan
22	arg	argillic		med bd	medium bedded	tq	turquoise
23	ars	arsenopyrite		tn bd	thin bedded	vo	violet
24	ban	banded		lam	laminated	wh	white
25	bio	biotite				yw	yellow
26	ble	bleached		tr	trace		
27	box	box-work		str	strong	lt	light
28	cal	calcite,calcareous				med	medium
29	cra	crackled				dk	dark
30	dis	disseminated					
31	fel	feldspar					
32	flt	fault					
33	fra	fractured					
34	lea	leached					
35	lim	limonite					
36	Mn02	manganes oxide					
37	oxi	oxidized					
38	poo	pyrrhotite					
39	py	pyrite					
40	ser	seritized					
41	ser	sericite, sericitic					
42	sil	silicified					
43	stn	stain					
44	stwk	stockwork					
45	suc	sucrosic					
46	sx	sulphide					
47	tou	tourmaline					
48	vn	vein					
49	vnlt	veinlet					
50	vol	volcanic					
51	vug	vuggy					
52	xln	crystalline					
53							
54	cog	coarse grain					
55	fig	fine grain					
56	mas	massive					
57	meg	medium grain					
58	por	porphyritic					
59							
60							
61	con	contact					
62	FW	hanging wall					
63	HW	foot wall					
64	J1	predominant joint direction (joints/metre)					
65	J2	secondary joint direction (joints/metre)					

66	S1	first foliation					
67	So	bedding - original surface					

Emerald

EMERALD LAKE

Sample	Waypoint	Easting	Northing	Datum	Latitude	Longitude
09TR1	004			NAD27 Canada	63.55313	-131.14103
09TR2	004			NAD27 Canada	63.55313	-131.14103
09TR4		393729	7048801	NAD27 Canada	63.55137	131.14133
	005	393748	7048800	NAD27 Canada	63.55309	-131.14068
09TR5	012	393729	7048801	NAD27 Canada	63.55137	-131.14133
09TR6	006	393747	7048813	NAD27 Canada	63.55321	-131.1407
09TR7	005			NAD27 Canada	63.55309	-131.14068
09TR8	005			NAD27 Canada	63.55309	-131.14068
09TR9	005			NAD27 Canada	63.55309	-131.14068
09TR10	005			NAD27 Canada	63.55309	-131.14068
09TR11	007	393788	7048818	NAD27 Canada	63.55329	-131.13968
09TR12	007	393788	7048818	NAD27 Canada	63.55329	-131.13968
09TR13		393774	7048805	NAD27 Canada	63.55333	-131.14034
09TR14	009	393765	7048823	NAD27 Canada	63.55333	-131.14034
09TR15	010			NAD27 Canada	63.55361	-131.13643
09TR16				NAD27 Canada		
09TR17				NAD27 Canada		
09TR18				NAD27 Canada		
09TR19	001			NAD27 Canada	63.55225	-131.1333
09TR20	008			NAD27 Canada	63.55322	-131.13988
09TR21	002				63.55392	-131.14012
T-1					63.55282	-131.13615
T-2					63.55282	-131.13615
T-3					63.55282	-131.13615

Description
2" light grey, yellow stained qtz vein in subcrop w/minor sulf(pyrite) includes 1/2" sleeves of alt hrnblnd granodiorite chip across 9" qtz vein; replicates MYDRC95036 (moly vein)
Alt intrusive sleeve- 1" on flt boulder w/ limo, sulf, white alt feldspar, mang, minor qtz.

1/2" qtz vein/sulf thru metaseds, flt.
Chip across a 18" "vug" assoc w/ a fissure w/out visible qtz vein but w/ trace alt on intrus. Vug 18" x 24"
6-7 " qtz vein w/ minor wall rock,from northern most of two parallel 'moly vein'
hi grade
5 ft. Channel sample of both 'upper' moly veins at cliff face
0' up strike from R-9, glassy clear tp glassy black qtz vein w/tr. Sulf. And moly, yellow to limo on fracts
2" quartz vein. No prev. sample. One of a series - qtz veins 1" + striking NE/SW. 'see photo' 673/674.
qtz vein 3" -@/near sed contact -series of parallel veins Fe stained grey qtz w/ trace sulfides (in crk bed)
1-2"glassy grey to yellowish qtz vein w/tr. Sulf
3-4" wht to grey qtz vein w/tr. Moly and some well devel. Cryst.faces
1" dry fracture w/feldspar and black sulfide; prev, sample 135295 w/in 2m
3" rusty to glassy qtz vein
2"grey to glassy to wht qtz vein, yellow on fracts, in 15m2 intrusive 'island' 100m into sed talus
4" grey flt sample thru hornsfel near 17
qtz vein, 6"? Thru dike swarm
100% grey, moly rich sulfide, 3" wide in 4" qtz vein
6" rusty vug in foot and half wide qtz vein
float - calcite in sericite w/ minor galena + quartz (dark clear) - qtz well formed xtal faces
float - _____ pyhrotite
float - qtz vein w/ pyrite pod 1/2" + druzzy. Sericite + limo. On surface - 3 pictures taken

Wgt	Au3B	Mo	Cu	Pb	Zn	Ag	Ni	Co	
	1.57	12	2.6	9.4	46.9	34	0.4	0.6	0.4
	0.25	<2	21.3	12.1	79.8	52	0.9	1	0.6
	0.64	339	5.4	468.1	930.2	39	12.5	0.5	2
	0.56	237	4.2	18.8	28.6	5	0.5	8	2.1
	0.9	56	5.4	834.1	135.2	359	2.1	2.1	9.2
	2.67	26	9.4	129.1	291.1	48	8.9	0.9	1.1
	0.86	10	11.6	41.5	103.3	68	1.1	0.9	1.3
	2.12	8	204.3	40.4	22.7	15	0.5	0.9	0.8
	0.37	51	492.8	13.2	169.8	22	4.2	0.8	0.3
	0.76	<2	4.1	26.1	8.5	6	0.1	0.6	0.4
	0.48	<2	1.8	15.7	30.3	35	0.2	0.6	1
	0.86	2	584.8	18.8	66.9	46	0.9	1	0.8
	0.44	1216	1.4	190.8	>10000.0	50	>100.0	1.5	2.7
	0.9	32	16.6	97.8	1141.3	1105	9.8	0.8	1.4
	1.17	<2	26	65.1	60.7	8	0.9	1.3	1.1
	0.79	<2	1.4	47.2	7.8	38	<0.1	18.6	4.2
	2.33	4	5.5	23.1	19.1	6	0.2	1.2	1.4
	0.8	577	6.1	1386.4	>10000.0	22	>100.0	2.1	9.3
	1.1	952	4	218.4	834.1	577	12	0.2	5.2
	1.55		6.4	82.1	>10000.0	95	>100.0	<0.1	2.2
	0.27		10.1	1880.1	60.8	20	1.9	148.3	113.4
	0.66		47.7	96.1	219.8	655	4.3	9.4	5.9

Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	
	38	0.33	1.5	4.1	8.5	14.6	8	0.3	2.7
	68	0.52	128	3.8	1.8	8.7	7	0.2	0.6
	266	6.67	44.3	5.6	342.5	27.8	7	0.4	123.6
	25	2.79	46.1	0.8	99.2	1.8	3	<0.1	15.4
	723	4.15	2199.3	13	53.6	28.3	8	1.9	3.1
	86	1.05	276	7.6	25	24.4	3	0.2	3.9
	45	0.97	373.8	2.9	12	6.2	1	0.5	3.3
					40				
	57	0.89	7.8	3.8	6	13.1	4	0.3	2.4
	35	0.52	8.2	1.7	192.5	9.4	3	1	31.7
	33	0.71	<0.5	0.5	2.3	0.9	2	<0.1	0.7
	147	0.45	37.8	1.7	<0.5	3.7	4	0.3	0.3
	138	0.63	48.3	1.6	3	1.6	5	0.8	0.4
	307	1.57	3.5	8.2	1687.6	14.4	29	17.5	589.7
	649	1.01	213	7	29	20.8	11	7.9	1.2
	36	1.23	5.4	2.1	2.8	6.3	6	0.1	2
	203	1.21	1.4	2.7	0.8	1.4	23	0.3	0.2
	43	0.49	2	13.4	3.6	24.3	3	<0.1	0.5
	108	5.19	357.7	2.1	>100000.0	2.5	4	37.3	>2000.0
	636	30.05	333.9	2.1	704.5	1.4	2	0.6	28.2
	2046	0.49	229.9	607.8	68.8	44.9	72	6.8	141.6
	128	25.02	17.2	0.7	14.1	0.6	70	0.2	0.2
	356	1.98	107.4	2.7	251.9	2.2	10	4.8	62

Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	
36.4	<2		0.01	0.001	<1	10	<0.01	10	0.002
5.6		2	0.05	0.022	4	12	0.02	18	0.002
1354.9		14	0.08	0.074	18	5	0.07	61	0.004
1395.4		4	<0.01	0.011	1	12	<0.01	46	0.001
12.2		12	0.15	0.078	10	5	0.11	52	0.003
72.9	<2		0.01	0.002	<1	16	0.02	15	<0.001
31.9	<2		0.01	0.004	<1	12	<0.01	11	<0.001
20.8		2	0.03	0.015	2	14	0.02	6	0.003
424.3	<2		<0.01	0.004	<1	14	<0.01	7	<0.001
4.2	<2		<0.01	0.002	<1	15	<0.01	3	<0.001
2.7		3	0.02	0.008	2	12	0.02	12	0.002
4.8		3	0.07	0.038	3	14	0.01	14	<0.001
>2000.0		10	0.18	0.033	13	7	0.05	24	0.001
42.4		3	0.16	0.05	10	7	0.04	35	<0.001
41.3	<2		0.19	0.103	22	12	<0.01	12	0.001
1.9		70	0.56	0.06	4	30	0.69	84	0.027
9.4	<2		0.01	0.003	15	11	<0.01	11	<0.001
>2000.0		3	<0.01	<0.001	1	<1	0.02	16	<0.001
802.6	<2		<0.01	0.002	<1	2	0.02	28	<0.001
>2000.0	<2		8.52	0.002	5	2	0.02	19	<0.001
4		10	1.79	0.075	7	7	0.04	6	0.044
239.6		17	0.32	0.018	9	13	0.54	15	0.014

B	Al	Na	K	W	Hg	Sc	Tl	S	
	4	0.1	0.013	0.1	0.3	<0.01	0.1	0.1	0.05
	7	0.19	0.011	0.16	0.8	<0.01	0.3	0.1	<0.05
	9	0.47	0.006	0.33	1.4	0.01	1.3	0.4	0.45
	39	0.04	0.001	0.02	<0.1	<0.01	0.1	<0.1	1.47
	11	0.63	0.007	0.41	5.2	0.02	1.5	0.6	0.44
	6	0.16	0.007	0.15	24.2	<0.01	0.2	0.2	0.21
	5	0.1	0.005	0.09	0.9	<0.01	<0.1	0.2	0.19
	4	0.08	0.008	0.07	9.9	<0.01	0.2	0.1	0.09
	5	0.06	0.007	0.07	0.4	<0.01	<0.1	<0.1	0.09
	4	0.03	0.008	0.03	0.4	<0.01	0.1	<0.1	0.11
	4	0.14	0.005	0.1	0.3	<0.01	0.3	0.1	<0.05
	8	0.13	0.008	0.1	1.3	<0.01	0.3	0.2	0.09
	387	0.35	0.055	0.21	0.5	0.07	1.5	4.1	0.99
	10	0.35	0.004	0.32	0.6	0.01	0.5	0.9	0.35
	3	0.09	0.008	0.06	0.3	<0.01	0.2	<0.1	0.22
	1	0.69	0.008	0.31	0.1	<0.01	1.2	0.4	0.27
	8	0.15	0.018	0.1	5.3	<0.01	0.1	0.1	<0.05
>2000		0.2	0.539	0.09	<0.1	<0.01	1.4	14.3	>10.00
	3	0.16	0.004	0.2	1.2	0.05	<0.1	0.4	3.25
	2	0.13	0.002	0.14	0.1	0.02	0.2	4.1	0.44
<1		2.16	0.016	<0.01	0.3	<0.01	0.6	<0.1	9.28
	13	0.64	0.004	0.08	0.1	<0.01	0.8	0.2	0.51

Ga	Se
<1	<0.5
<1	<0.5
2	2.3
<1	18.3
3	<0.5
<1	<0.5
<1	<0.5
<1	<0.5
<1	0.6
<1	<0.5
<1	<0.5
<1	<0.5
2	21.8
2	<0.5
<1	0.6
2	2.2
<1	<0.5
<1	>100.0
<1	2.1
<1	3.2
10	6.2
3	0.8

Appendix B

Arrowhead Program

Senoa

AL

ACME ANALYTICAL LABORATORIES LTD.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Sonora
AL

Submitted By:	Ron Berdahl
Receiving Lab:	Canada-Vancouver
Received:	August 29, 2008
Report Date:	September 19, 2008
Page:	1 of 2

CERTIFICATE OF ANALYSIS VAN08008795.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	Hess Project
Number of Samples:	2

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	2	Dry at 60C sieve 100g to -80 mesh		
Dry at 60C	2	Dry at 60C		
RJSV	2	Save all or part of soil reject fraction		
3A	2	Acid digest, Au by ICP-MS analysis	15	Completed
1DX	2	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed

ADDITIONAL COMMENTS

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

Invoice To: Berdahl, Ron
Box 11250
Whitehorse YT Y1A 6N4
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN

ACME ANALYTICAL LABORATORIES LTD.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: None Given
Report Date: September 19, 2008

CERTIFICATE OF ANALYSIS VAN08008795.1

		Method	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
08010SL-1	Soil		11.5	12.9	26.5	14.5	2284	1.0	213.0	178.8	>10000	27.07	21.5	5.4	7.4	2.3	20	5.7	5.5	0.2	98	0.01
08011SL-1	Soil		14.8	22.7	232.8	59.0	577	2.3	137.5	69.6	3043	12.02	320.4	16.5	8.9	2.6	36	5.8	7.4	2.4	160	0.02

ACME ANALYTICAL LABORATORIES LTD.
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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: None Given
Report Date: September 19, 2008

CERTIFICATE OF ANALYSIS VAN08008795.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
08010SL-1	Soil		0.188	6	17	0.05	663	0.004	<20	0.71	<0.001	0.06	<0.1	0.10	1.1	0.7	<0.05	3	4.1
08011SL-1	Soil		0.295	15	49	0.22	320	0.018	<20	4.56	0.003	0.09	0.4	0.14	2.9	1.3	0.27	3	16.5

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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: None Given
Report Date: September 19, 2008

QUALITY CONTROL REPORT VAN08008795.1

		Method	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																						
STD DS7	Standard		69.1																			
STD DS7	Standard		64.2																			
STD DS7	Standard			19.3	98.5	63.2	379	0.8	53.6	9.0	611	2.25	50.4	4.2	53.6	3.6	77	6.3	4.7	4.3	82	0.88
STD DS7	Standard			20.6	93.4	63.7	381	0.8	51.9	8.9	577	2.28	53.4	4.3	57.0	3.6	76	6.2	4.6	4.3	77	0.90
STD DS7 Expected			70	20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93
BLK	Blank		<0.5																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01

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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: None Given
Report Date: September 19, 2008

QUALITY CONTROL REPORT VAN08008795.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Reference Materials																		
STD DS7	Standard																	
STD DS7	Standard																	
STD DS7	Standard	0.073	11	176	1.00	391	0.104	39	0.97	0.092	0.48	3.5	0.18	2.2	4.0	0.16	5	3.5
STD DS7	Standard	0.082	12	178	1.01	383	0.104	35	1.04	0.098	0.50	3.5	0.20	2.1	4.2	0.19	5	4.2
STD DS7 Expected		0.08	13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5
BLK	Blank																	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

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Client: **Berdahl, Ron**
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Whitehorse YT Y1A 6N4 Canada

Submitted By:	Ron Berdahl
Receiving Lab:	Canada-Vancouver
Received:	August 29, 2008
Report Date:	September 26, 2008
Page:	1 of 3

Rock
AL + Senoa

CERTIFICATE OF ANALYSIS VAN08008794.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	Hess
Number of Samples:	56

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	56	Crush, split and pulverize rock to 200 mesh		
3A	55	Ignite samples, acid digest, Au by ICP-MS	15	Completed
1DX	56	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
7AR	5	1:1:1 Aqua Regia Digestion ICP-ES Finish	1	Completed
7AR.1	1	1:1:1 Aqua Regia Digestion ICP-ES analysis	0.1	Completed

ADDITIONAL COMMENTS

Invoice To: Berdahl, Ron
Box 11250
Whitehorse YT Y1A 6N4
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN

ACME ANALYTICAL LABORATORIES LTD.
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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: None Given
Report Date: September 26, 2008

CERTIFICATE OF ANALYSIS VAN08008794.1

	Method	WGHT	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
08010R-01	Rock	0.18	162.9	5.9	263.4	32.2	184	0.5	47.3	41.9	2109	6.22	14.5	2.3	35.2	3.6	33	0.8	8.4	0.3	68
08010R-02	Rock	0.29	5.4	0.3	30.5	10.0	51	<0.1	14.9	10.4	570	1.07	2.4	0.6	1.5	0.7	235	0.3	0.4	0.2	15
08010R-03	Rock	0.28	2.1	0.4	19.8	6.7	38	<0.1	21.7	8.8	4177	4.55	1.1	0.7	<0.5	1.6	590	0.1	1.9	<0.1	13
08010R-04	Rock	0.78	3.7	0.2	24.0	4.5	15	<0.1	8.1	2.7	48	0.50	1.5	<0.1	1.6	0.3	11	<0.1	0.6	<0.1	7
08010R-05	Rock	0.54	8.0	4.8	186.5	6.5	120	0.4	7.9	1.9	69	28.44	78.9	1.4	5.4	1.9	18	0.5	3.5	0.1	252
08010R-06	Rock	0.38	10.2	0.5	92.6	10.7	222	0.2	77.2	10.3	1007	3.82	3.6	0.7	0.6	1.5	38	1.9	0.6	0.1	52
08010R-07	Rock	1.47	1.2	1.2	18.1	2.5	36	<0.1	20.5	1.2	89	0.56	5.5	0.8	<0.5	0.6	115	1.6	0.6	<0.1	9
08010R-08	Rock	1.02	<0.5	2.4	8.6	0.8	12	<0.1	2.8	0.5	67	0.57	9.8	0.3	<0.5	0.3	36	0.4	3.7	<0.1	9
08010R-09	Rock	0.50	<0.5	0.7	8.1	1.6	27	<0.1	5.9	0.3	31	0.57	3.4	0.3	4.4	0.3	14	<0.1	3.3	<0.1	11
08010R-10	Rock	0.96	1.6	1.6	12.3	4.7	20	0.3	4.9	1.0	46	0.47	4.7	3.4	0.6	0.6	98	0.5	2.0	<0.1	18
08010R-11	Rock	0.61	3.1	2.0	7.1	4.9	20	0.2	4.4	0.7	29	0.50	7.4	0.6	<0.5	0.6	63	<0.1	3.0	<0.1	18
08010R-12	Rock	0.45	<0.5	0.5	29.5	1.9	59	<0.1	19.1	2.0	74	1.28	3.7	1.2	<0.5	0.7	18	<0.1	2.1	0.1	12
08010R-13	Rock	0.69	<0.5	0.4	18.4	1.5	54	<0.1	14.9	4.7	807	1.48	1.9	0.1	<0.5	0.4	25	1.7	0.5	<0.1	7
08010R-14	Rock	0.40	<0.5	0.3	31.0	0.8	30	<0.1	11.1	3.1	39	0.56	2.1	0.2	3.6	0.2	7	<0.1	1.5	<0.1	5
08010R-15	Rock	0.60	1.5	0.2	36.4	3.8	31	<0.1	14.0	3.2	1198	2.06	2.3	0.2	0.6	2.4	278	0.1	0.3	0.2	16
08010R-16	Rock	0.72	<0.5	0.2	5.3	0.8	36	<0.1	10.2	2.5	785	2.42	0.8	0.3	<0.5	0.5	1158	1.2	0.8	<0.1	4
08010R-17	Rock	0.42	1.4	0.2	16.9	4.4	58	<0.1	9.5	6.8	903	1.02	0.9	0.1	0.7	0.2	208	1.7	0.3	<0.1	4
08010R-18	Rock	0.66	9.6	0.7	83.3	6.9	278	<0.1	52.6	5.9	293	2.79	2.1	0.8	<0.5	0.5	28	2.6	1.0	0.1	62
08010R-19	Rock	0.39	2.9	6.0	100.7	2.3	2006	<0.1	259.0	30.5	432	6.65	8.0	3.4	1.5	1.7	6	1.3	1.0	0.1	52
08010R-20	Rock	0.38	1.5	14.0	144.2	6.4	607	0.2	35.1	3.7	88	6.12	23.3	3.1	<0.5	3.7	62	1.5	2.5	0.2	40
08010R-21	Rock	0.33	0.9	12.3	482.1	4.3	841	0.3	108.6	8.5	169	11.44	18.3	4.1	0.9	3.5	63	2.1	6.6	0.2	60
08010R-22	Rock	0.86	39.0	2.5	37.6	34.9	46	0.7	71.5	29.7	83	9.23	50.0	0.6	14.9	2.6	6	<0.1	1.5	0.3	11
08010R-23	Rock	0.17	13.2	5.9	92.3	20.2	17	3.0	494.1	5.9	24	32.34	14.8	<0.1	0.7	0.2	2	<0.1	1.8	<0.1	<2
08H01R-1	Rock	1.31	13.8	1.6	598.4	377.9	>10000	12.5	2.5	13.2	954	5.70	3.4	1.0	10.3	8.0	131	133.7	3.2	43.2	12
08H01R-2	Rock	0.31	<0.5	0.3	2202	5.6	>10000	0.2	6.2	8.1	4281	5.97	2.3	0.9	2.7	0.5	21	487.9	0.4	1.0	3
08H01R-3	Rock	0.61	7.1	1.2	7792	21.2	4670	22.4	1.1	5.8	2001	10.67	6.0	0.7	5.0	0.2	14	39.0	0.4	36.6	<2
08L1	Rock	0.14	N.A.	<0.1	114.3	<0.1	2531	<0.1	0.5	<0.1	324	0.36	<0.5	<0.1	<0.5	<0.1	<1	23.8	>2000	<0.1	<2
08011R-01	Rock	0.31	20.1	1.0	366.1	1010	70	6.5	23.4	4.1	611	5.06	215.2	0.4	19.8	0.8	17	0.5	167.8	22.1	10
08011R-02	Rock	0.93	42.3	0.5	316.7	117.4	104	1.0	5.5	14.4	125	6.58	107.5	0.1	48.6	0.2	2	1.0	629.6	9.1	4
08011R-03	Rock	0.50	35.9	0.9	95.9	40.5	30	0.4	41.1	12.9	2275	1.39	24.4	0.2	11.2	0.3	4	0.3	9.0	9.0	3

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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: None Given
Report Date: September 26, 2008

CERTIFICATE OF ANALYSIS VAN08008794.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	7AR
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Pb	Zn
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
	MDL	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.01	0.01
08010R-01	Rock	0.25	0.253	12	21	0.42	54	0.007	<20	0.77	0.008	0.22	<0.1	0.45	4.3	0.2	2.10	4	7.5		
08010R-02	Rock	0.42	0.217	6	21	0.19	101	0.002	<20	0.44	0.002	0.01	<0.1	<0.01	3.3	<0.1	<0.05	2	1.0		
08010R-03	Rock	8.09	0.016	9	17	4.33	944	0.004	<20	0.77	0.007	0.09	<0.1	0.02	4.1	<0.1	0.13	3	0.5		
08010R-04	Rock	0.03	0.011	2	29	0.05	83	<0.001	<20	0.10	0.001	0.02	<0.1	0.03	0.6	<0.1	<0.05	<1	<0.5		
08010R-05	Rock	0.05	0.259	3	54	0.16	111	0.004	<20	0.51	0.001	0.06	<0.1	0.12	1.6	<0.1	0.79	4	5.9		
08010R-06	Rock	0.10	0.024	9	30	0.76	429	0.002	<20	1.29	0.003	0.06	<0.1	0.06	2.1	<0.1	0.26	7	2.4		
08010R-07	Rock	0.12	0.076	3	15	0.07	1269	<0.001	<20	0.39	0.003	0.02	<0.1	0.03	0.8	<0.1	0.06	<1	0.6		
08010R-08	Rock	0.01	0.032	2	14	<0.01	68	<0.001	<20	0.07	0.007	0.02	<0.1	0.05	0.2	<0.1	<0.05	<1	1.1		
08010R-09	Rock	<0.01	0.023	<1	14	<0.01	47	<0.001	<20	0.09	0.003	<0.01	0.1	0.02	0.3	<0.1	<0.05	<1	0.9		
08010R-10	Rock	0.09	0.054	4	26	0.04	389	<0.001	<20	0.18	0.002	0.04	<0.1	0.13	0.4	<0.1	<0.05	<1	1.7		
08010R-11	Rock	0.08	0.062	3	16	<0.01	334	<0.001	<20	0.10	0.003	0.05	<0.1	0.13	0.5	<0.1	0.07	<1	2.5		
08010R-12	Rock	0.03	0.030	3	22	0.28	434	0.001	<20	0.52	0.001	0.05	<0.1	0.02	1.1	<0.1	0.19	1	2.0		
08010R-13	Rock	0.25	0.013	3	18	0.21	94	<0.001	<20	0.20	0.007	0.03	<0.1	0.01	1.2	<0.1	<0.05	<1	1.3		
08010R-14	Rock	0.03	0.018	1	22	0.13	89	<0.001	<20	0.23	<0.001	0.02	<0.1	0.01	0.6	<0.1	<0.05	<1	<0.5		
08010R-15	Rock	2.63	0.107	16	21	0.64	236	0.001	<20	0.23	0.031	0.03	<0.1	0.02	3.0	<0.1	<0.05	<1	<0.5		
08010R-16	Rock	7.03	0.008	2	10	3.20	651	0.001	<20	0.10	0.003	0.03	<0.1	<0.01	1.2	<0.1	<0.05	<1	0.7		
08010R-17	Rock	1.35	0.009	<1	11	0.81	59	<0.001	<20	0.27	0.001	<0.01	<0.1	0.01	0.3	<0.1	<0.05	<1	0.6		
08010R-18	Rock	0.09	0.042	3	25	0.82	658	0.001	<20	1.54	<0.001	0.05	<0.1	0.08	1.9	<0.1	<0.05	5	0.9		
08010R-19	Rock	0.02	0.046	11	41	0.29	182	0.001	<20	0.74	0.002	0.02	<0.1	0.08	4.5	<0.1	<0.05	3	1.0		
08010R-20	Rock	0.04	0.112	16	14	0.16	663	0.002	<20	0.82	0.011	0.23	<0.1	0.06	2.1	0.2	0.19	3	2.1		
08010R-21	Rock	0.06	0.159	9	19	0.07	630	0.002	<20	0.91	0.005	0.08	<0.1	0.12	4.3	<0.1	0.07	1	5.9		
08010R-22	Rock	0.02	0.018	7	12	0.29	7	0.005	<20	0.63	0.009	0.21	<0.1	0.41	1.4	0.3	7.88	2	3.5		
08010R-23	Rock	0.01	0.002	<1	4	0.03	1	<0.001	<20	0.07	0.009	0.01	0.1	1.10	<0.1	0.7	>10	<1	3.7		
08H01R-1	Rock	4.78	0.090	35	4	0.23	11	0.222	<20	1.86	0.016	0.03	>100	0.11	2.2	0.3	1.56	9	4.3	0.03	1.21
08H01R-2	Rock	1.83	0.028	2	2	0.26	7	0.003	<20	0.22	0.051	0.01	13.7	0.03	0.3	<0.1	0.38	2	1.2	<0.01	3.29
08H01R-3	Rock	3.88	0.012	1	4	0.17	3	0.002	<20	0.10	0.022	<0.01	15.3	0.02	0.1	<0.1	1.00	3	2.6		
08L1	Rock	<0.01	0.003	<1	14	0.02	29	<0.001	<20	0.04	<0.001	<0.01	<0.1	19.70	<0.1	0.3	>10	<1	<0.5	<0.01	0.25
08011R-01	Rock	0.57	0.373	6	9	0.04	59	0.003	<20	0.23	0.004	0.10	6.0	0.06	0.5	0.1	1.77	1	6.7		
08011R-02	Rock	<0.01	0.007	<1	5	0.02	29	<0.001	<20	0.08	0.004	0.05	6.0	0.08	1.0	0.1	2.94	<1	14.0		
08011R-03	Rock	0.02	0.006	2	8	0.03	72	<0.001	<20	0.11	0.002	0.05	>100	0.08	1.4	<0.1	0.07	<1	<0.5		

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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: None Given
Report Date: September 26, 2008

CERTIFICATE OF ANALYSIS VAN08008794.1

	Method	7AR	7AR	7AR.1
	Analyte	Ag	Sb	Pb
	Unit	gm/mt	%	%
	MDL	2	0.001	0.01
08010R-01	Rock			
08010R-02	Rock			
08010R-03	Rock			
08010R-04	Rock			
08010R-05	Rock			
08010R-06	Rock			
08010R-07	Rock			
08010R-08	Rock			
08010R-09	Rock			
08010R-10	Rock			
08010R-11	Rock			
08010R-12	Rock			
08010R-13	Rock			
08010R-14	Rock			
08010R-15	Rock			
08010R-16	Rock			
08010R-17	Rock			
08010R-18	Rock			
08010R-19	Rock			
08010R-20	Rock			
08010R-21	Rock			
08010R-22	Rock			
08010R-23	Rock			
08H01R-1	Rock	13	<0.001	
08H01R-2	Rock	<2	<0.001	
08H01R-3	Rock			
08L1	Rock	<2	31.17	
08011R-01	Rock			
08011R-02	Rock			
08011R-03	Rock			

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Project: None Given
Report Date: September 26, 2008

CERTIFICATE OF ANALYSIS VAN08008794.1

	Method	WGHT	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
08011R-04	Rock	1.08	3.6	0.6	124.3	6.0	36	<0.1	22.7	6.3	284	2.80	9.9	0.3	1.3	3.5	120	0.1	50.8	0.7	66
08011R-05	Rock	0.94	56.9	4.4	419.5	440.8	93	4.4	22.8	13.2	289	16.55	110.7	2.9	40.6	0.5	71	<0.1	73.8	110.5	245
08011R-06	Rock	0.68	110.6	44.1	250.7	33.8	25	1.7	7.9	8.3	324	3.63	12.6	0.4	62.0	0.9	4	0.1	37.7	10.3	25
08011R-07	Rock	1.40	185.8	1.3	221.8	11.0	24	1.0	11.7	7.2	213	5.72	19.3	0.2	107.7	0.7	3	<0.1	5.0	9.5	76
08011R-08	Rock	0.73	1.6	0.8	36.8	3.9	13	<0.1	8.0	2.9	415	0.89	23.4	0.2	10.1	0.5	7	<0.1	19.0	0.5	4
08011R-09	Rock	0.58	30.2	0.4	1177	6481	137	35.4	45.3	26.1	6702	9.71	19.2	0.8	51.5	1.1	25	1.8	22.2	92.6	115
08011R-10	Rock	1.46	259.2	3.3	1072	122.1	52	3.0	50.3	46.7	406	15.71	56.2	2.5	113.8	1.5	3	0.2	9.8	86.4	122
08011R-11	Rock	1.09	3588	8.8	2883	>10000	4370	>100	59.1	20.1	834	10.59	>10000	2.8	3073	0.6	75	74.9	62.4	629.7	78
08011R-12	Rock	0.84	1947	4.2	4302	>10000	>10000	54.0	151.9	20.6	2398	6.39	253.8	3.0	4262	2.5	25	273.1	51.1	155.2	188
08011R-13	Rock	1.04	119.0	3.2	238.6	109.7	72	0.8	68.3	25.4	298	2.49	56.4	1.3	648.6	1.0	56	0.6	11.7	10.8	35
08011R-14	Rock	1.02	297.1	2.8	525.3	65.8	39	0.8	100.8	48.0	152	6.98	181.9	1.0	111.0	0.6	12	0.3	14.1	19.4	58
08011R-15	Rock	1.25	1988	1.8	50.3	2075	94	10.6	11.3	1.2	84	0.57	242.6	0.2	1590	0.4	8	1.5	294.4	207.3	5
08011R-16	Rock	0.89	86.3	1.7	1141	35.0	42	0.8	83.0	106.4	482	11.67	159.0	2.7	78.0	0.4	94	0.4	38.2	13.7	57
08011R-17	Rock	1.95	131.0	1.0	335.3	61.3	50	0.5	19.2	18.2	90	3.38	719.6	0.2	106.5	0.5	8	<0.1	4.9	7.2	6
08011R-18	Rock	1.11	351.7	9.3	723.5	100.9	56	1.0	227.4	53.1	562	12.34	220.9	3.7	380.2	0.9	120	0.3	42.3	18.0	323
08011R-19	Rock	0.29	12.1	2.8	128.5	23.5	26	0.4	60.4	4.8	75	2.76	62.2	0.9	3.9	2.7	6	0.2	7.3	2.7	23
08011R-20	Rock	1.42	1013	9.9	399.1	826.2	217	4.9	26.2	16.5	920	6.58	2131	0.4	421.8	0.5	16	2.3	27.0	30.1	11
08011R-21	Rock	0.94	106.1	1.5	302.4	3162	2807	8.7	38.8	5.5	429	3.84	2690	0.3	102.1	1.3	23	48.3	7.0	20.1	78
08011R-22	Rock	0.37	91.0	37.4	636.0	49.2	8	1.4	27.7	30.9	117	8.19	10.5	0.6	69.1	1.0	2	<0.1	8.9	27.3	13
08011R-23	Rock	1.10	14.2	0.8	179.4	50.8	36	0.6	10.2	9.0	374	3.62	36.6	0.2	13.2	0.6	3	0.1	11.9	3.5	5
08011R-24	Rock	0.93	1232	14.4	1730	45.2	51	1.2	54.4	69.1	1593	19.37	6.6	1.1	1106	0.9	20	0.4	6.4	72.4	43
08011R-25	Rock	0.83	286.2	8.8	26.1	602.1	96	2.3	10.1	2.3	82	0.41	373.9	1.0	439.0	0.3	7	1.4	69.9	68.5	28
08011R-26	Rock	0.76	1086	4.6	720.9	3540	426	28.3	50.2	25.6	247	5.56	9502	6.8	780.1	0.6	63	7.3	456.7	61.1	75
08011R-27	Rock	1.04	76.6	2.7	365.0	39.9	57	0.6	26.8	13.8	186	4.51	140.1	1.0	83.1	0.2	9	0.3	19.6	3.5	74
08011R-28	Rock	0.91	1377	2.2	642.1	554.4	113	5.7	49.9	7.4	882	2.06	285.4	0.5	1992	0.9	48	1.3	16.4	102.0	21
0806 R1	Rock	1.62	8.3	1.2	19.1	57.8	6	0.3	3.6	0.8	145	0.58	35.6	37.5	8.8	4.1	9	0.1	13.8	184.1	<2

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Project: None Given
Report Date: September 26, 2008

CERTIFICATE OF ANALYSIS VAN08008794.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	7AR
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Pb	Zn
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
	MDL	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.01	0.01
08011R-04	Rock	1.13	0.017	6	53	1.26	397	0.100	<20	3.36	0.278	1.04	0.3	0.01	5.5	1.3	0.59	11	1.4		
08011R-05	Rock	0.95	0.700	3	40	0.34	96	0.009	<20	0.53	0.002	0.39	>100	0.15	2.7	0.7	0.83	5	55.9		
08011R-06	Rock	0.10	0.012	7	18	0.68	95	0.050	<20	0.65	0.005	0.11	22.8	0.02	0.6	0.1	1.65	4	11.3		
08011R-07	Rock	0.02	0.017	3	23	0.15	144	0.008	<20	0.17	0.003	0.07	33.9	0.03	1.7	0.1	0.22	4	16.5		
08011R-08	Rock	0.10	0.009	2	11	0.10	46	0.002	<20	0.25	0.001	0.07	0.4	<0.01	0.4	<0.1	<0.05	<1	0.6		
08011R-09	Rock	1.32	0.039	<1	11	4.06	141	0.007	<20	1.12	0.003	0.46	21.8	0.03	2.4	0.9	0.95	15	20.6		
08011R-10	Rock	0.07	0.097	<1	22	1.76	13	0.003	<20	0.77	<0.001	0.02	21.6	0.02	1.4	<0.1	5.47	10	36.6		
08011R-11	Rock	0.46	0.055	<1	9	0.79	28	<0.001	<20	0.22	<0.001	0.12	>100	1.11	1.0	3.8	7.30	2	69.5	>4	0.51
08011R-12	Rock	0.50	0.127	1	31	2.70	87	0.003	<20	0.91	0.001	0.15	>100	1.36	3.5	0.4	3.58	7	39.8	3.02	1.98
08011R-13	Rock	0.50	0.025	3	19	0.37	212	0.002	<20	0.17	0.003	0.09	1.8	0.02	2.1	0.1	0.72	<1	6.9		
08011R-14	Rock	0.26	0.065	<1	17	0.38	14	0.008	<20	0.35	0.004	0.27	>100	0.14	0.9	0.6	3.48	3	37.3		
08011R-15	Rock	0.04	0.003	2	17	0.04	532	<0.001	<20	0.08	0.002	0.05	3.9	0.04	0.2	0.1	0.16	<1	6.7		
08011R-16	Rock	3.37	1.554	7	17	1.18	12	0.014	<20	0.35	0.006	0.33	>100	0.17	5.3	0.5	6.66	4	61.6		
08011R-17	Rock	0.02	0.013	<1	10	0.02	197	<0.001	<20	0.14	<0.001	0.09	43.1	0.01	2.0	0.1	0.58	<1	11.2		
08011R-18	Rock	0.94	0.276	1	39	1.49	170	0.049	<20	0.78	0.008	0.74	>100	<0.01	3.9	0.8	3.14	6	28.3		
08011R-19	Rock	0.06	0.026	7	22	0.32	167	0.003	<20	0.44	0.006	0.14	1.5	<0.01	0.8	<0.1	1.74	1	15.5		
08011R-20	Rock	0.24	0.018	3	10	0.41	79	0.002	<20	0.20	0.003	0.13	>100	0.05	1.9	0.4	2.33	<1	9.1		
08011R-21	Rock	0.20	0.038	1	30	1.15	29	0.005	<20	1.01	0.002	0.10	1.0	0.15	2.7	0.2	1.87	5	11.2		
08011R-22	Rock	<0.01	0.031	10	15	0.08	28	0.015	<20	0.28	0.003	0.26	2.0	<0.01	1.6	0.4	4.65	1	8.6		
08011R-23	Rock	0.02	0.006	2	14	0.08	79	0.002	<20	0.17	0.003	0.10	23.7	<0.01	1.5	0.2	0.71	1	4.9		
08011R-24	Rock	0.47	0.035	2	26	2.32	26	0.034	<20	1.34	0.004	0.65	>100	<0.01	5.4	0.8	>10	7	26.5		
08011R-25	Rock	0.07	0.028	2	20	0.02	321	0.002	<20	0.08	0.002	0.05	0.1	0.04	0.4	<0.1	0.10	<1	3.5		
08011R-26	Rock	1.90	1.065	5	29	0.10	238	0.007	<20	0.36	0.005	0.17	3.4	0.20	3.5	0.6	1.50	2	20.0		
08011R-27	Rock	0.08	0.023	<1	20	0.14	245	0.001	<20	0.11	0.002	0.06	5.1	0.01	1.9	0.2	0.90	1	22.0		
08011R-28	Rock	0.63	0.020	4	15	0.58	251	0.002	<20	0.26	0.003	0.09	>100	<0.01	1.7	0.2	0.53	<1	8.2		
0806 R1	Rock	0.51	0.004	10	30	0.04	9	<0.001	<20	0.08	0.008	0.07	0.3	<0.01	<0.1	<0.1	0.08	<1	<0.5		

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CERTIFICATE OF ANALYSIS VAN08008794.1

		Method	7AR	7AR	7AR.1
		Analyte	Ag	Sb	Pb
		Unit	gm/mt	%	%
		MDL	2	0.001	0.01
08011R-04	Rock				
08011R-05	Rock				
08011R-06	Rock				
08011R-07	Rock				
08011R-08	Rock				
08011R-09	Rock				
08011R-10	Rock				
08011R-11	Rock		251	0.007	5.48
08011R-12	Rock		58	0.007	
08011R-13	Rock				
08011R-14	Rock				
08011R-15	Rock				
08011R-16	Rock				
08011R-17	Rock				
08011R-18	Rock				
08011R-19	Rock				
08011R-20	Rock				
08011R-21	Rock				
08011R-22	Rock				
08011R-23	Rock				
08011R-24	Rock				
08011R-25	Rock				
08011R-26	Rock				
08011R-27	Rock				
08011R-28	Rock				
0806 R1	Rock				

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QUALITY CONTROL REPORT VAN08008794.1

	Method	WGHT	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
Pulp Duplicates																					
REP G1	QC			0.4	5.1	2.9	50	<0.1	4.9	4.7	540	1.94	1.1	2.1	<0.5	3.3	45	<0.1	7.4	0.4	40
08010R-21	Rock	0.33	0.9	12.3	482.1	4.3	841	0.3	108.6	8.5	169	11.44	18.3	4.1	0.9	3.5	63	2.1	6.6	0.2	60
REP 08010R-21	QC		<0.5																		
08H01R-1	Rock	1.31	13.8	1.6	598.4	377.9	>10000	12.5	2.5	13.2	954	5.70	3.4	1.0	10.3	8.0	131	133.7	3.2	43.2	12
REP 08H01R-1	QC																				
08011R-17	Rock	1.95	131.0	1.0	335.3	61.3	50	0.5	19.2	18.2	90	3.38	719.6	0.2	106.5	0.5	8	<0.1	4.9	7.2	6
REP 08011R-17	QC			1.0	325.3	56.9	46	0.5	18.3	17.4	87	3.30	712.4	0.2	87.5	0.5	8	0.1	5.1	6.7	<2
08011R-21	Rock	0.94	106.1	1.5	302.4	3162	2807	8.7	38.8	5.5	429	3.84	2690	0.3	102.1	1.3	23	48.3	7.0	20.1	78
REP 08011R-21	QC		116.0																		
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD CZN-3	Standard																				
STD DS7	Standard			19.5	111.8	70.8	384	0.9	52.0	9.6	634	2.42	53.5	4.8	49.7	4.0	68	6.3	7.5	4.5	81
STD DS7	Standard			20.2	103.4	65.0	388	0.8	56.4	9.7	674	2.52	49.4	4.5	51.9	4.2	70	6.3	5.9	4.3	84
STD DS7	Standard			18.5	100.0	63.5	395	0.8	48.7	10.6	692	2.46	50.8	4.3	45.8	3.7	72	5.9	4.4	4.4	85
STD DS7	Standard			18.3	100.2	70.7	365	1.0	49.6	9.5	687	2.42	48.5	4.5	51.7	4.0	72	5.5	5.0	5.0	70
STD DS7	Standard			17.9	102.9	63.9	394	1.0	53.6	9.5	615	2.31	53.4	4.7	47.5	4.4	63	7.2	4.5	4.5	83
STD DS7	Standard			19.1	103.9	65.4	386	0.9	52.3	9.7	603	2.36	55.0	5.7	68.8	4.0	62	7.2	4.8	4.5	87
STD MP-2	Standard																				
STD OXD57	Standard		336.5																		
STD OXD57	Standard		336.1																		
STD OXD57	Standard		332.3																		
STD OXD57	Standard		354.1																		
STD OXD57	Standard		350.7																		
STD OXD57	Standard		378.5																		
STD PTC-1A	Standard																				
STD R4A	Standard																				

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Project: None Given
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QUALITY CONTROL REPORT VAN08008794.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	7AR
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Pb	Zn
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
	MDL	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.01	0.01
Pulp Duplicates																					
REP G1	QC	0.46	0.088	6	10	0.63	234	0.129	<20	0.96	0.069	0.57	0.1	<0.01	2.0	0.3	<0.05	5	<0.5		
08010R-21	Rock	0.06	0.159	9	19	0.07	630	0.002	<20	0.91	0.005	0.08	<0.1	0.12	4.3	<0.1	0.07	1	5.9		
REP 08010R-21	QC																				
08H01R-1	Rock	4.78	0.090	35	4	0.23	11	0.222	<20	1.86	0.016	0.03	>100	0.11	2.2	0.3	1.56	9	4.3	0.03	1.21
REP 08H01R-1	QC																			0.04	1.19
08011R-17	Rock	0.02	0.013	<1	10	0.02	197	<0.001	<20	0.14	<0.001	0.09	43.1	0.01	2.0	0.1	0.58	<1	11.2		
REP 08011R-17	QC	0.01	0.015	<1	9	0.02	183	<0.001	<20	0.13	<0.001	0.08	53.9	0.03	1.8	0.1	0.56	<1	10.7		
08011R-21	Rock	0.20	0.038	1	30	1.15	29	0.005	<20	1.01	0.002	0.10	1.0	0.15	2.7	0.2	1.87	5	11.2		
REP 08011R-21	QC																				
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD CZN-3	Standard																				
STD DS7	Standard	0.88	0.074	11	151	1.04	394	0.123	37	1.00	0.083	0.49	3.9	0.19	2.4	4.0	0.19	5	3.3		
STD DS7	Standard	0.90	0.077	12	155	1.08	397	0.129	37	1.05	0.083	0.53	3.5	0.18	2.6	3.9	0.19	5	3.3		
STD DS7	Standard	0.87	0.076	12	152	1.08	408	0.121	39	1.01	0.087	0.50	3.5	0.20	2.3	4.0	0.19	5	2.9		
STD DS7	Standard	0.88	0.071	11	153	1.06	401	0.117	38	1.01	0.080	0.48	3.4	0.22	2.0	3.9	0.19	5	2.9		
STD DS7	Standard	0.88	0.079	11	137	1.02	388	0.110	38	0.97	0.074	0.46	3.3	0.20	2.2	4.1	0.19	5	3.3		
STD DS7	Standard	0.91	0.076	12	148	1.07	392	0.111	41	1.00	0.078	0.48	3.3	0.18	2.3	4.0	0.19	5	3.4		
STD MP-2	Standard																				
STD OXD57	Standard																				
STD OXD57	Standard																				
STD OXD57	Standard																				
STD OXD57	Standard																				
STD OXD57	Standard																				
STD OXD57	Standard																				
STD PTC-1A	Standard																				
STD R4A	Standard																			1.52	3.30

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QUALITY CONTROL REPORT VAN08008794.1

	Method	7AR	7AR	7AR.1
	Analyte	Ag	Sb	Pb
	Unit	gm/mt	%	%
	MDL	2	0.001	0.01
Pulp Duplicates				
REP G1	QC			
08010R-21	Rock			
REP 08010R-21	QC			
08H01R-1	Rock	13	<0.001	
REP 08H01R-1	QC	13	<0.001	
08011R-17	Rock			
REP 08011R-17	QC			
08011R-21	Rock			
REP 08011R-21	QC			
Reference Materials				
STD CCU-1C	Standard			0.42
STD CZN-3	Standard			0.10
STD CZN-3	Standard			0.11
STD DS7	Standard			
STD DS7	Standard			
STD DS7	Standard			
STD DS7	Standard			
STD DS7	Standard			
STD DS7	Standard			
STD DS7	Standard			
STD MP-2	Standard			0.04
STD OXD57	Standard			
STD OXD57	Standard			
STD OXD57	Standard			
STD OXD57	Standard			
STD OXD57	Standard			
STD OXD57	Standard			
STD PTC-1A	Standard			0.04
STD R4A	Standard	89	0.036	

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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: None Given
Report Date: September 26, 2008

QUALITY CONTROL REPORT VAN08008794.1

		WGHT	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD SF-3A	Standard																				
STD DS7 Expected				20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86
STD OXD57 Expected			367																		
STD PTC-1A Expected																					
STD CCU-1C Expected																					
STD CZN-3 Expected																					
STD R4A Expected																					
STD SF-3A Expected																					
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank		<0.5																		
BLK	Blank		<0.5																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank		<0.5																		
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	1.5																		
G1	Prep Blank	<0.01	3.5	0.2	7.7	122.2	55	0.5	4.0	4.6	554	1.91	29.8	2.9	3.8	3.5	52	0.2	0.3	1.8	43
G1	Prep Blank			0.4	5.2	2.9	49	<0.1	5.4	4.7	521	1.94	1.1	1.9	<0.5	3.0	44	<0.1	7.0	0.4	40

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Whitehorse YT Y1A 6N4 Canada

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QUALITY CONTROL REPORT VAN08008794.1

		1DX Ca % 0.01	1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	7AR Pb % 0.01	7AR Zn % 0.01
STD SF-3A	Standard																			0.81	1.07
STD SF-3A	Standard																			0.79	1.06
STD SF-3A	Standard																			0.91	1.07
STD DS7 Expected		0.93	0.08	13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5		
STD OXD57 Expected																					
STD PTC-1A Expected																					
STD CCU-1C Expected																					
STD CZN-3 Expected																					
STD R4A Expected																				1.5	3.3
STD SF-3A Expected																				0.9625	1.0628
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5		
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5		
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5		
BLK	Blank																				
BLK	Blank																			<0.01	<0.01
BLK	Blank																				
BLK	Blank																			<0.01	<0.01
Prep Wash																					
G1	Prep Blank																				
G1	Prep Blank	0.47	0.094	7	10	0.61	239	0.129	<20	0.92	0.067	0.56	0.3	<0.01	1.9	0.4	<0.05	5	<0.5		
G1	Prep Blank	0.44	0.087	6	10	0.63	236	0.124	<20	0.97	0.072	0.56	0.1	<0.01	1.8	0.4	<0.05	5	<0.5		

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Whitehorse YT Y1A 6N4 Canada

Project: None Given
Report Date: September 26, 2008

QUALITY CONTROL REPORT VAN08008794.1

		7AR Ag gm/mt 2	7AR Sb % 0.001	7AR.1 Pb % 0.01
STD SF-3A	Standard	52	<0.001	
STD SF-3A	Standard	52	<0.001	
STD SF-3A	Standard	53	<0.001	
STD DS7 Expected				
STD OXD57 Expected				
STD PTC-1A Expected				0.05
STD CCU-1C Expected				0.34
STD CZN-3 Expected				0.113
STD R4A Expected		88	0.013	
STD SF-3A Expected		54	0.001	
BLK	Blank			
BLK	Blank			
BLK	Blank			
BLK	Blank			
BLK	Blank			
BLK	Blank			
BLK	Blank	<2	<0.001	
BLK	Blank			<0.01
BLK	Blank	<2	<0.001	
Prep Wash				
G1	Prep Blank			
G1	Prep Blank			
G1	Prep Blank			

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Box 11250
Whitehorse YT Y1A 6N4 Canada

Sonoa Silts
AL

Submitted By:	Ron Berdahl
Receiving Lab:	Canada-Vancouver
Received:	August 29, 2008
Report Date:	September 08, 2008
Page:	1 of 2

CERTIFICATE OF ANALYSIS VAN08008796.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	Hess Project
P.O. Number	
Number of Samples:	20

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
DISP-RJT-SOIL	Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	20	Dry at 60C sieve 100g to -80 mesh		
Dry at 60C	20	Dry at 60C		
RJSV	20	Save all or part of soil reject fraction		
3A	20	Acid digest, Au by ICP-MS	15	Completed
1DX	20	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed

ADDITIONAL COMMENTS

Invoice To: Berdahl, Ron
Box 11250
Whitehorse YT Y1A 6N4
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN08008796.1

	Method	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
08010ST-01	Sediment	14.0	16.3	210.5	17.5	970	1.5	143.9	22.7	1354	3.40	28.9	10.8	8.2	2.9	85	15.6	7.9	0.3	99	0.35
08010ST-02	Sediment	16.6	13.2	365.8	19.2	2366	0.9	229.9	97.5	6373	5.96	29.2	17.5	11.6	3.8	82	42.0	4.5	0.3	119	0.29
08010ST-03	Sediment	13.6	8.2	520.0	14.5	5051	0.6	346.1	128.2	9803	8.80	18.2	19.5	12.7	2.6	77	54.8	2.1	0.2	80	0.41
08010ST-04	Sediment	28.3	12.3	237.4	16.7	2186	1.1	341.6	71.0	8129	4.47	21.2	6.4	13.2	2.4	82	36.4	4.5	0.3	77	0.68
08010ST-05	Sediment	24.1	8.4	328.3	17.0	2066	0.5	292.2	70.3	7976	4.49	19.6	7.5	9.8	2.9	78	29.7	3.1	0.2	111	0.35
08010ST-06	Sediment	14.5	7.0	161.6	20.4	318	0.7	62.2	24.6	1321	3.83	16.6	3.4	10.2	2.2	68	4.5	2.8	0.3	103	0.50
08010ST-07	Sediment	3.1	7.0	21.1	6.0	16	0.9	3.2	0.4	20	33.06	51.3	1.6	3.7	1.1	57	0.3	6.7	<0.1	1158	0.03
08010ST-08	Sediment	1.4	19.5	18.9	2.6	914	0.2	41.9	8.7	321	33.48	10.6	11.2	2.5	0.6	52	24.0	2.3	<0.1	12	0.15
08010ST-09	Sediment	9.7	8.3	125.0	13.0	938	0.7	102.5	12.5	478	2.87	18.5	5.2	8.2	1.9	67	10.1	4.2	0.2	99	0.30
08010ST-10	Sediment	10.8	10.3	160.2	15.6	1001	0.7	163.6	22.2	1219	3.42	20.5	7.2	8.3	2.9	88	10.6	4.8	0.2	102	0.46
08010ST-11	Sediment	14.9	11.9	154.3	17.0	414	0.5	65.3	17.8	482	3.26	21.1	6.0	8.4	3.6	64	3.2	5.4	0.2	131	0.30
08010ST-12	Sediment	22.1	17.3	222.2	20.1	1850	1.0	266.1	65.6	5040	8.24	26.2	19.8	13.8	3.7	86	34.5	6.5	0.3	157	0.32
08010ST-13	Sediment	3.0	19.5	64.8	1.2	1577	0.1	107.8	15.2	373	39.70	6.6	57.4	4.3	0.2	57	53.1	0.8	<0.1	12	0.25
08011S-01	Sediment	11.1	5.6	42.9	45.1	94	2.3	14.7	1.4	58	27.75	175.7	1.5	13.4	1.3	22	0.4	4.9	2.7	617	0.03
08011S-02	Sediment	5.7	10.9	258.6	22.3	1329	1.7	242.3	83.9	3981	1.32	37.2	3.3	5.0	0.8	24	10.5	2.5	0.5	51	0.09
08011S-03	Sediment	5.8	5.9	90.4	34.5	364	0.9	99.1	22.8	935	4.33	44.1	2.3	5.0	2.1	56	6.6	3.4	0.6	65	0.16
08011S-04	Sediment	15.5	20.8	65.0	96.4	144	5.4	22.3	3.9	150	12.26	308.9	4.2	5.8	3.7	56	0.4	11.8	2.7	837	0.04
08011S-11	Sediment	39.4	13.4	215.0	150.1	604	4.4	49.1	10.8	332	28.73	669.5	8.2	27.6	2.6	29	0.8	9.1	5.3	78	0.04
08011S-12	Sediment	5.8	8.7	630.8	25.2	1927	2.3	304.7	143.3	4483	3.79	45.1	5.5	5.6	2.8	55	24.2	3.1	0.4	102	0.26
08011S-13	Sediment	44.2	10.9	307.5	148.5	581	2.9	90.7	29.1	1001	14.90	685.1	8.7	34.5	3.1	41	3.2	7.8	5.8	80	0.07

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Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: None Given
Report Date: September 08, 2008

CERTIFICATE OF ANALYSIS VAN08008796.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
08010ST-01	Sediment	0.203	22	26	0.35	456	0.004	<20	0.95	0.012	0.16	<0.1	0.38	3.1	0.5	0.22	3	6.6
08010ST-02	Sediment	0.236	24	42	1.08	595	0.004	<20	2.26	0.007	0.15	<0.1	0.25	5.3	0.5	0.24	5	5.2
08010ST-03	Sediment	0.201	35	33	0.80	356	0.004	<20	3.69	0.008	0.10	0.1	0.17	3.5	0.3	0.19	5	4.5
08010ST-04	Sediment	0.293	22	29	0.60	412	0.004	<20	1.12	0.009	0.15	<0.1	0.32	2.8	0.3	0.13	4	5.6
08010ST-05	Sediment	0.208	19	38	1.19	344	0.006	<20	2.02	0.009	0.13	<0.1	0.20	4.1	0.3	0.14	6	3.5
08010ST-06	Sediment	0.209	18	37	1.19	268	0.005	<20	1.41	0.008	0.14	<0.1	0.29	4.2	0.3	0.11	5	3.5
08010ST-07	Sediment	0.413	5	17	0.02	128	0.004	<20	0.17	0.011	0.11	<0.1	0.19	0.8	<0.1	2.59	1	4.7
08010ST-08	Sediment	0.047	3	3	0.04	112	0.001	<20	0.12	0.003	0.02	0.3	0.09	0.6	0.2	<0.05	<1	0.9
08010ST-09	Sediment	0.158	12	27	0.46	531	0.004	<20	0.81	0.008	0.13	<0.1	0.23	2.7	0.3	0.14	3	4.5
08010ST-10	Sediment	0.216	17	26	0.57	496	0.004	<20	1.02	0.008	0.17	<0.1	0.23	3.2	0.3	0.19	4	4.2
08010ST-11	Sediment	0.178	17	29	0.64	508	0.005	<20	1.08	0.006	0.18	<0.1	0.25	3.7	0.3	0.09	4	5.1
08010ST-12	Sediment	0.189	20	29	0.60	522	0.005	<20	1.42	0.009	0.18	<0.1	0.40	4.3	0.5	0.22	4	6.2
08010ST-13	Sediment	0.023	17	2	0.07	77	<0.001	<20	0.52	0.002	0.01	<0.1	0.75	0.5	0.1	0.73	<1	2.0
08011S-01	Sediment	0.072	4	34	0.15	114	0.012	<20	0.34	0.005	0.07	0.4	0.06	0.9	0.2	2.73	1	6.4
08011S-02	Sediment	0.186	5	21	0.10	204	0.007	<20	>10	0.004	0.04	0.2	0.15	1.7	0.3	1.41	2	8.2
08011S-03	Sediment	0.137	16	26	0.38	337	0.005	<20	1.13	0.005	0.11	0.1	0.09	2.9	0.2	0.08	3	5.2
08011S-04	Sediment	0.277	13	68	0.30	324	0.016	<20	0.80	0.006	0.17	0.4	0.11	2.2	0.7	0.96	3	13.6
08011S-11	Sediment	0.102	8	29	0.28	159	0.020	<20	1.23	0.004	0.11	0.6	0.06	2.2	0.3	1.42	2	12.0
08011S-12	Sediment	0.232	26	36	0.53	503	0.013	<20	5.28	0.007	0.12	0.1	0.17	3.3	0.6	0.21	4	9.2
08011S-13	Sediment	0.129	10	38	0.41	233	0.023	<20	3.46	0.005	0.15	0.5	0.07	3.4	0.4	0.90	3	12.3

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Project: None Given
Report Date: September 08, 2008

QUALITY CONTROL REPORT VAN08008796.1

		Method	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																						
08010ST-11	Sediment		14.9	11.9	154.3	17.0	414	0.5	65.3	17.8	482	3.26	21.1	6.0	8.4	3.6	64	3.2	5.4	0.2	131	0.30
REP 08010ST-11	QC			11.2	156.0	16.8	416	0.4	62.0	17.3	453	3.20	20.9	5.7	8.0	3.8	63	3.3	5.6	0.2	128	0.28
08011S-11	Sediment		39.4	13.4	215.0	150.1	604	4.4	49.1	10.8	332	28.73	669.5	8.2	27.6	2.6	29	0.8	9.1	5.3	78	0.04
REP 08011S-11	QC		32.0																			
Reference Materials																						
STD DS7	Standard			17.3	99.6	65.7	368	0.7	48.7	9.2	565	2.15	50.8	4.5	47.8	3.8	61	6.4	5.1	4.2	78	0.79
STD DS7	Standard			20.2	111.5	68.5	379	0.8	49.5	8.9	564	2.33	50.2	4.8	53.1	4.2	63	6.4	5.1	4.3	82	0.83
STD OXD57	Standard		336.5																			
STD OXD57	Standard		336.1																			
STD DS7 Expected				20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93
STD OXD57 Expected			367																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.5																			

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QUALITY CONTROL REPORT VAN08008796.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																		
08010ST-11	Sediment	0.178	17	29	0.64	508	0.005	<20	1.08	0.006	0.18	<0.1	0.25	3.7	0.3	0.09	4	5.1
REP 08010ST-11	QC	0.179	18	28	0.63	495	0.005	<20	1.09	0.006	0.17	<0.1	0.26	3.4	0.3	0.07	4	4.9
08011S-11	Sediment	0.102	8	29	0.28	159	0.020	<20	1.23	0.004	0.11	0.6	0.06	2.2	0.3	1.42	2	12.0
REP 08011S-11	QC																	
Reference Materials																		
STD DS7	Standard	0.073	11	135	0.98	391	0.116	34	0.91	0.077	0.48	3.4	0.18	2.3	3.8	0.16	5	3.5
STD DS7	Standard	0.076	12	141	0.97	379	0.120	34	0.95	0.078	0.46	3.4	0.19	2.5	4.0	0.15	5	2.9
STD OXD57	Standard																	
STD OXD57	Standard																	
STD DS7 Expected		0.08	13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5
STD OXD57 Expected																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank																	

Old Cabin

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: Old Cabin
Report Date: November 18, 2009

CERTIFICATE OF ANALYSIS VAN09004932.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
T-1	Rock	1.55	6.4	82.1	>10000	95	>100	<0.1	2.2	2046	0.49	229.9	607.8	68.8	44.9	72	6.8	141.6	>2000	<2	8.52
T-2	Rock	0.27	10.1	1880	60.8	20	1.9	148.3	113.4	128	25.02	17.2	0.7	14.1	0.6	70	0.2	0.2	4.0	10	1.79
T-3	Rock	0.66	47.7	96.1	219.8	655	4.3	9.4	5.9	356	1.98	107.4	2.7	251.9	2.2	10	4.8	62.0	239.6	17	0.32
OC-1	Rock	0.93	0.5	363.2	415.9	53	3.4	36.3	101.6	140	25.99	>10000	0.2	3122	3.0	38	0.4	115.3	374.1	10	0.04
OC-2	Rock	1.16	0.3	530.5	42.1	84	0.6	63.4	38.4	614	20.65	187.4	0.2	7.8	1.6	17	<0.1	2.0	49.9	237	0.39
OC-3	Rock	0.67	0.7	293.0	148.4	106	2.2	88.6	36.4	656	17.24	1521	0.3	228.0	0.9	25	0.3	24.5	61.1	74	0.31
OC-4	Rock	1.06	0.7	211.1	255.5	66	1.7	17.3	45.9	1840	9.04	72.2	2.7	1040	3.7	154	0.2	1.3	28.9	116	10.65
OC-5	Rock	0.51	0.3	12.1	18.1	11	<0.1	2.9	1.2	305	0.64	76.6	<0.1	3.5	0.1	1	<0.1	0.5	0.9	5	0.02
HNS	Rock	2.94	8.6	24.6	7.5	58	0.2	9.9	28.5	69	2.25	1.5	0.6	<0.5	0.4	1	0.2	0.5	0.4	17	0.04

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Submitted By:	Ron Berdahl
Receiving Lab:	Canada-Vancouver
Received:	October 14, 2009
Report Date:	November 18, 2009
Page:	1 of 2

CERTIFICATE OF ANALYSIS VAN09004932.1

CLIENT JOB INFORMATION

Project:	Old Cabin
Shipment ID:	
P.O. Number	
Number of Samples:	9

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	9	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX3	9	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
DISP-RJT	Dispose of Reject After 90 days

ADDITIONAL COMMENTS

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

Invoice To: Berdahl, Ron
Box 11250
Whitehorse YT Y1A 6N4
Canada

CC: Scott Berdahl

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: Old Cabin
Report Date: November 18, 2009

QUALITY CONTROL REPORT VAN09004932.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																		
OC-3	Rock	0.165	9	92	1.01	4	0.009	1	1.72	<0.001	0.05	<0.1	0.08	5.5	0.3	8.24	9	2.3
REP OC-3	QC	0.167	8	88	1.01	3	0.008	<1	1.68	<0.001	0.05	<0.1	0.09	5.3	0.5	8.12	9	2.0
Reference Materials																		
STD DS7	Standard	0.068	12	193	0.96	403	0.110	37	0.93	0.086	0.35	3.8	0.18	2.0	3.9	0.19	4	4.0
STD DS7	Standard	0.070	12	187	0.96	367	0.112	38	0.96	0.089	0.40	3.7	0.17	2.2	3.9	0.19	4	3.6
STD DS7	Standard	0.072	12	187	0.93	380	0.110	35	0.93	0.089	0.37	3.9	0.19	2.2	4.0	0.19	4	4.1
STD DS7	Standard	0.077	12	186	0.94	380	0.112	34	0.94	0.091	0.38	3.8	0.19	2.3	4.1	0.19	4	4.2
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																		
G1	Prep Blank	0.066	10	9	0.52	179	0.122	<1	0.90	0.078	0.50	<0.1	<0.01	1.9	0.2	<0.05	5	<0.5

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Whitehorse YT Y1A 6N4 Canada

Project: Old Cabin
Report Date: November 18, 2009

QUALITY CONTROL REPORT VAN09004932.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
OC-3	Rock	0.67	0.7	293.0	148.4	106	2.2	88.6	36.4	656	17.24	1521	0.3	228.0	0.9	25	0.3	24.5	61.1	74	0.31
REP OC-3	QC		0.6	276.4	144.8	105	2.2	83.7	35.2	632	16.89	1510	0.4	291.0	0.9	25	0.3	21.3	61.0	73	0.31
Reference Materials																					
STD DS7	Standard		19.2	105.4	70.8	405	0.8	55.4	8.1	567	2.28	47.8	4.8	65.0	4.3	70	6.3	5.5	4.9	78	0.92
STD DS7	Standard		19.6	102.4	70.5	383	0.8	57.0	8.3	583	2.25	46.8	4.9	70.7	4.3	70	6.3	5.5	4.7	78	0.95
STD DS7	Standard		21.1	103.0	72.3	374	0.8	48.2	8.0	573	2.22	49.8	4.8	57.3	4.6	71	5.8	5.1	4.6	76	0.91
STD DS7	Standard		21.0	106.6	67.6	377	0.8	52.5	8.6	550	2.24	49.3	4.8	77.4	4.3	71	6.2	4.4	4.3	77	0.92
STD DS7 Expected			20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	0.1	7.0	69.5	47	<0.1	3.7	4.2	536	1.82	1.3	2.0	0.8	5.4	52	<0.1	<0.1	0.2	34	0.49

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Project: Old Cabin
Report Date: November 18, 2009

CERTIFICATE OF ANALYSIS VAN09004932.1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
T-1	Rock	0.002	5	2	0.02	19	<0.001	2	0.13	0.002	0.14	0.1	0.02	0.2	4.1	0.44	<1	3.2
T-2	Rock	0.075	7	7	0.04	6	0.044	<1	2.16	0.016	<0.01	0.3	<0.01	0.6	<0.1	9.28	10	6.2
T-3	Rock	0.018	9	13	0.54	15	0.014	13	0.64	0.004	0.08	0.1	<0.01	0.8	0.2	0.51	3	0.8
OC-1	Rock	0.092	5	24	0.02	7	0.004	2	0.22	0.001	0.12	0.1	0.06	1.5	0.8	7.58	1	12.3
OC-2	Rock	0.198	12	290	2.23	7	0.011	<1	3.05	<0.001	<0.01	<0.1	<0.01	9.0	<0.1	8.06	19	1.8
OC-3	Rock	0.165	9	92	1.01	4	0.009	1	1.72	<0.001	0.05	<0.1	0.08	5.5	0.3	8.24	9	2.3
OC-4	Rock	0.799	24	<1	1.30	110	0.026	2	2.40	0.004	0.22	<0.1	0.01	6.5	0.2	1.43	12	0.9
OC-5	Rock	0.006	<1	18	0.04	19	<0.001	<1	0.08	0.002	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5
HNS	Rock	0.010	2	5	0.08	25	0.004	<1	0.15	0.006	0.03	<0.1	0.02	0.9	0.1	1.11	<1	4.3

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To: BRETT RESOURCES INC.
SUITE 611
675 W HASTING STREET
VANCOUVER BC V6B 1N2

Finalized Date: 2-OCT-2009
Account: MINMAGA

Project: BERDAHL OLD CABIN

CERTIFICATE OF ANALYSIS VA09098662

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
4558		1.94	0.042	<0.2	3.11	46	<10	130	1.0	5	4.16	<0.5	42	1	532	16.0
4559		1.84	0.171	0.7	3.70	4	<10	130	<0.5	36	0.14	<0.5	5	228	556	11.00
4560		1.48	<0.005	<0.2	4.03	6	<10	90	1.0	<2	6.11	<0.5	16	3	10	10.65
4443		2.94	0.203	<0.2	0.03	16	<10	10	<0.5	<2	0.03	<0.5	4	16	63	3.87
4445		2.94	0.008	<0.2	3.21	14	<10	480	1.0	<2	10.85	<0.5	28	1	15	7.03
4446		2.32	0.021	<0.2	3.67	3	<10	50	0.8	14	2.24	<0.5	33	6	1050	10.15
4448		1.44	0.044	1.0	3.35	6	<10	40	0.7	65	0.92	<0.5	39	64	1490	11.95

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

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Finalized Date: 2-OCT-2009
Account: MINMAGA

Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098662

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	Hg-CV41 Hg ppm 0.01	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
4558		20	0.01	0.30	20	1.60	1160	<1	0.01	17	6110	12	3.06	<2	8	99
4559		20	<1	1.53	10	3.81	201	<1	0.03	7	1270	4	1.05	<2	14	16
4560		20	<0.01	0.10	40	2.46	2060	<1	0.03	10	6550	<2	0.28	<2	12	312
4443		<10	0.07	<0.01	<10	0.01	250	1	<0.01	10	170	5	0.28	2	<1	2
4445		20	0.01	0.80	40	1.55	1350	<1	0.04	14	7670	2	0.44	<2	10	227
4446		20	<0.1	0.28	20	2.82	361	<1	0.08	10	5440	<2	4.70	<2	5	157
4448		20	<0.1	0.64	10	2.64	289	<1	0.05	35	2390	31	6.08	<2	8	72

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

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Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 2-OCT-2009
Account: MINMAGA

Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098662

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
4558		<20	0.04	<10	<10	143	<10	67
4559		<20	0.14	<10	<10	202	10	30
4560		<20	0.03	<10	<10	207	<10	149
4443		<20	<0.01	<10	<10	10	<10	4
4445		<20	0.20	<10	<10	189	<10	79
4446		<20	0.38	<10	<10	114	10	22
4448		<20	0.19	<10	<10	101	10	58

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

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VANCOUVER BC V6B 1N2

Finalized Date: 2-OCT-2009
Account: MINMAGA

Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098662

Method	CERTIFICATE COMMENTS
Hg-CV41	Detection limits on samples requiring dilutions due to interferences or high concentration levels have been increased according to the dilution factor.

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Finalized Date: 2-OCT-2009
Account: MINMAGA

CERTIFICATE VA09098662

Project: BERDAHL

P.O. No.:

This report is for 7 Rock samples submitted to our lab in Vancouver, BC, Canada on 11-SEP-2009.

The following have access to data associated with this certificate:

RICK DIMENT		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
Au-AA23	Au 30g FA-AA finish	AAS

To: BRETT RESOURCES INC.
ATTN: RICK DIMENT
PO BOX 10282
WHITEHORSE YT Y1A 7A1

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

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

To: BRETT RESOURCES INC.
SUITE 611
675 W HASTING STREET
VANCOUVER BC V6B 1N2

Finalized Date: 2-OCT-2009
Account: MINMAGA

Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098662

Sample Description	Method	WEI-21	Au-AA23	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	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
4558		1.94	0.042	<0.2	3.11	46	<10	130	1.0	5	4.16	<0.5	42	1	532	16.0
4559		1.84	0.171	0.7	3.70	4	<10	130	<0.5	36	0.14	<0.5	5	228	556	11.00
4560		1.48	<0.005	<0.2	4.03	6	<10	90	1.0	<2	6.11	<0.5	16	3	10	10.65
4443		2.94	0.203	<0.2	0.03	16	<10	10	<0.5	<2	0.03	<0.5	4	16	63	3.87
4445		2.94	0.008	<0.2	3.21	14	<10	480	1.0	<2	10.85	<0.5	28	1	15	7.03
4446		2.32	0.021	<0.2	3.67	3	<10	50	0.8	14	2.24	<0.5	33	6	1050	10.15
4448		1.44	0.044	1.0	3.35	6	<10	40	0.7	65	0.92	<0.5	39	64	1490	11.95

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

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Finalized Date: 2-OCT-2009
Account: MINMAGA

Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098662

Sample Description	Method	ME-ICP41	Hg-CV41	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	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
4558		20	0.01	0.30	20	1.60	1160	<1	0.01	17	6110	12	3.06	<2	8	99
4559		20	<1	1.53	10	3.81	201	<1	0.03	7	1270	4	1.05	<2	14	16
4560		20	<0.01	0.10	40	2.46	2060	<1	0.03	10	6550	<2	0.28	<2	12	312
4443		<10	0.07	<0.01	<10	0.01	250	1	<0.01	10	170	5	0.28	2	<1	2
4445		20	0.01	0.80	40	1.55	1350	<1	0.04	14	7670	2	0.44	<2	10	227
4446		20	<0.1	0.28	20	2.82	361	<1	0.08	10	5440	<2	4.70	<2	5	157
4448		20	<0.1	0.64	10	2.64	289	<1	0.05	35	2390	31	6.08	<2	8	72

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

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Finalized Date: 2-OCT-2009
Account: MINMAGA

Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098662

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
4558		<20	0.04	<10	<10	143	<10	67
4559		<20	0.14	<10	<10	202	10	30
4560		<20	0.03	<10	<10	207	<10	149
4443		<20	<0.01	<10	<10	10	<10	4
4445		<20	0.20	<10	<10	189	<10	79
4446		<20	0.38	<10	<10	114	10	22
4448		<20	0.19	<10	<10	101	10	58

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

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Finalized Date: 2-OCT-2009
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Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098662

Method	CERTIFICATE COMMENTS
Hg-CV41	Detection limits on samples requiring dilutions due to interferences or high concentration levels have been increased according to the dilution factor.

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Finalized Date: 2-OCT-2009
Account: MINMAGA

CERTIFICATE VA09098662

Project: BERDAHL

P.O. No.:

This report is for 7 Rock samples submitted to our lab in Vancouver, BC, Canada on 11-SEP-2009.

The following have access to data associated with this certificate:

RICK DIMENT		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
Au-AA23	Au 30g FA-AA finish	AAS

To: **BRETT RESOURCES INC.**
ATTN: RICK DIMENT
PO BOX 10282
WHITEHORSE YT Y1A 7A1

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

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To: BRETT RESOURCES INC.
SUITE 611
675 W HASTING STREET
VANCOUVER BC V6B 1N2

Finalized Date: 30-SEP-2009
Account: MINMAGA

OLD CABIN

CERTIFICATE VA09098663

Project: BERDAHL

P.O. No.:

This report is for 2 Soil samples submitted to our lab in Vancouver, BC, Canada on 11-SEP-2009.

The following have access to data associated with this certificate:

RICK DIMENT	RICK ZURAN	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **BRETT RESOURCES INC.**
ATTN: RICK DIMENT
PO BOX 10282
WHITEHORSE YT Y1A 7A1

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 30-SEP-2009
Account: MINMAGA

Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098663

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
4444		1.08	0.005	<0.2	3.26	43	<10	160	1.2	5	2.44	<0.5	46	3	21	10.30
4447		0.56	0.082	0.4	3.39	18	<10	320	1.0	73	0.23	<0.5	23	73	694	16.9

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Total # Pages: 2 (A - C)
Finalized Date: 30-SEP-2009
Account: MINMAGA

Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098663

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	Hg-CV41 Hg ppm 0.01	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
4444		20	0.07	0.15	140	1.86	1870	<1	<0.01	25	>10000	15	0.01	<2	13	117
4447		20	0.03	1.08	20	2.51	479	9	0.02	13	3890	33	0.85	3	11	82

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[redacted]ge: [redacted]
Total # Pages: 2 (A - C)
Finalized Date: 30-SEP-2009
Account: MINMAGA

Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098663

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
4444		20	0.04	<10	<10	241	<10	98
4447		<20	0.31	<10	<10	168	20	35

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Finalized Date: 30-SEP-2009
Account: MINMAGA

CERTIFICATE VA09098663

Project: BERDAHL

P.O. No.:

This report is for 2 Soil samples submitted to our lab in Vancouver, BC, Canada on 11-SEP-2009.

The following have access to data associated with this certificate:

RICK DIMENT	RICK ZURAN	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: BRETT RESOURCES INC.
ATTN: RICK DIMENT
PO BOX 10282
WHITEHORSE YT Y1A 7A1

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

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Finalized Date: 30-SEP-2009
Account: MINMAGA

Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098663

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
4444		1.08	0.005	<0.2	3.26	43	<10	160	1.2	5	2.44	<0.5	46	3	21	10.30
4447		0.56	0.082	0.4	3.39	18	<10	320	1.0	73	0.23	<0.5	23	73	694	16.9

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CERTIFICATE OF ANALYSIS VA09098663

Sample Description	Method	ME-ICP41	Hg-CV41	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	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
4444		20	0.07	0.15	140	1.86	1870	<1	<0.01	25	>10000	15	0.01	<2	13	117
4447		20	0.03	1.08	20	2.51	479	9	0.02	13	3890	33	0.85	3	11	82

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Project: BERDAHL

CERTIFICATE OF ANALYSIS VA09098663

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
4444		20	0.04	<10	<10	241	<10	98
4447		<20	0.31	<10	<10	168	20	35

Emerald

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Emerald

Submitted By:	Ron Berdahl
Receiving Lab:	Canada-Vancouver
Received:	August 10, 2009
Report Date:	September 08, 2009
Page:	1 of 2

CERTIFICATE OF ANALYSIS VAN09003470.2

CLIENT JOB INFORMATION

Project:	TOM 09T
Shipment ID:	
P.O. Number	
Number of Samples:	19

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200	19	Crush, split and pulverize rock to 200 mesh			VAN
3B	19	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX30	19	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

Version 2: Recheck 3B Au re-analysis on Sample # 09TR-20 indicates high 1DX Au result due to free Au

Invoice To: Berdahl, Ron
Box 11250
Whitehorse YT Y1A 6N4
Canada

CC:

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: TOM 09T
Report Date: September 08, 2009

EMERALD

CERTIFICATE OF ANALYSIS VAN09003470.2

	Method	WGHT	3B	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
09T R01	Rock	1.57	12	2.6	9.4	46.9	34	0.4	0.6	0.4	38	0.33	1.5	4.1	8.5	14.6	8	0.3	2.7	36.4	<2
09T R02	Rock	0.25	<2	21.3	12.1	79.8	52	0.9	1.0	0.6	68	0.52	128.0	3.8	1.8	8.7	7	0.2	0.6	5.6	2
09T R04	Rock	0.64	339	5.4	468.1	930.2	39	12.5	0.5	2.0	266	6.67	44.3	5.6	342.5	27.8	7	0.4	123.6	1355	14
09T R05	Rock	0.56	237	4.2	18.8	28.6	5	0.5	8.0	2.1	25	2.79	46.1	0.8	99.2	1.8	3	<0.1	15.4	1395	4
09T R06	Rock	0.90	56	5.4	834.1	135.2	359	2.1	2.1	9.2	723	4.15	2199	13.0	53.6	28.3	8	1.9	3.1	12.2	12
09T R07	Rock	2.67	26	9.4	129.1	291.1	48	8.9	0.9	1.1	86	1.05	276.0	7.6	25.0	24.4	3	0.2	3.9	72.9	<2
09T R08	Rock	0.86	10	11.6	41.5	103.3	68	1.1	0.9	1.3	45	0.97	373.8	2.9	12.0	6.2	1	0.5	3.3	31.9	<2
09T R10	Rock	2.12	8	204.3	40.4	22.7	15	0.5	0.9	0.8	57	0.89	7.8	3.8	6.0	13.1	4	0.3	2.4	20.8	2
09T R11	Rock	0.37	51	492.8	13.2	169.8	22	4.2	0.8	0.3	35	0.52	8.2	1.7	192.5	9.4	3	1.0	31.7	424.3	<2
09T R12	Rock	0.76	<2	4.1	26.1	8.5	6	0.1	0.6	0.4	33	0.71	<0.5	0.5	2.3	0.9	2	<0.1	0.7	4.2	<2
09T R13	Rock	0.48	<2	1.8	15.7	30.3	35	0.2	0.6	1.0	147	0.45	37.8	1.7	<0.5	3.7	4	0.3	0.3	2.7	3
09T R14	Rock	0.86	2	584.8	18.8	66.9	46	0.9	1.0	0.8	138	0.63	48.3	1.6	3.0	1.6	5	0.8	0.4	4.8	3
09T R15	Rock	0.44	1216	1.4	190.8	>10000	50	>100	1.5	2.7	307	1.57	3.5	8.2	1688	14.4	29	17.5	589.7	>2000	10
09T R16	Rock	0.90	32	16.6	97.8	1141	1105	9.8	0.8	1.4	649	1.01	213.0	7.0	29.0	20.8	11	7.9	1.2	42.4	3
09T R17	Rock	1.17	<2	26.0	65.1	60.7	8	0.9	1.3	1.1	36	1.23	5.4	2.1	2.8	6.3	6	0.1	2.0	41.3	<2
09T R18	Rock	0.79	<2	1.4	47.2	7.8	38	<0.1	18.6	4.2	203	1.21	1.4	2.7	0.8	1.4	23	0.3	0.2	1.9	70
09T R19	Rock	2.33	4	5.5	23.1	19.1	6	0.2	1.2	1.4	43	0.49	2.0	13.4	3.6	24.3	3	<0.1	0.5	9.4	<2
09T R20	Rock	0.80	577	6.1	1386	>10000	22	>100	2.1	9.3	108	5.19	357.7	2.1	>100000	2.5	4	37.3	>2000	>2000	3
09T R21	Rock	1.10	952	4.0	218.4	834.1	577	12.0	0.2	5.2	636	30.05	333.9	2.1	704.5	1.4	2	0.6	28.2	802.6	<2

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Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Project: TOM 09T
Report Date: September 08, 2009

CERTIFICATE OF ANALYSIS VAN09003470.2

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
09T R01	Rock	0.01	0.001	<1	10	<0.01	10	0.002	4	0.10	0.013	0.10	0.3	<0.01	0.1	0.1	0.05	<1	<0.5
09T R02	Rock	0.05	0.022	4	12	0.02	18	0.002	7	0.19	0.011	0.16	0.8	<0.01	0.3	0.1	<0.05	<1	<0.5
09T R04	Rock	0.08	0.074	18	5	0.07	61	0.004	9	0.47	0.006	0.33	1.4	0.01	1.3	0.4	0.45	2	2.3
09T R05	Rock	<0.01	0.011	1	12	<0.01	46	0.001	39	0.04	0.001	0.02	<0.1	<0.01	0.1	<0.1	1.47	<1	18.3
09T R06	Rock	0.15	0.078	10	5	0.11	52	0.003	11	0.63	0.007	0.41	5.2	0.02	1.5	0.6	0.44	3	<0.5
09T R07	Rock	0.01	0.002	<1	16	0.02	15	<0.001	6	0.16	0.007	0.15	24.2	<0.01	0.2	0.2	0.21	<1	<0.5
09T R08	Rock	0.01	0.004	<1	12	<0.01	11	<0.001	5	0.10	0.005	0.09	0.9	<0.01	<0.1	0.2	0.19	<1	<0.5
09T R10	Rock	0.03	0.015	2	14	0.02	6	0.003	4	0.08	0.008	0.07	9.9	<0.01	0.2	0.1	0.09	<1	<0.5
09T R11	Rock	<0.01	0.004	<1	14	<0.01	7	<0.001	5	0.06	0.007	0.07	0.4	<0.01	<0.1	<0.1	0.09	<1	0.6
09T R12	Rock	<0.01	0.002	<1	15	<0.01	3	<0.001	4	0.03	0.008	0.03	0.4	<0.01	0.1	<0.1	0.11	<1	<0.5
09T R13	Rock	0.02	0.008	2	12	0.02	12	0.002	4	0.14	0.005	0.10	0.3	<0.01	0.3	0.1	<0.05	<1	<0.5
09T R14	Rock	0.07	0.038	3	14	0.01	14	<0.001	8	0.13	0.008	0.10	1.3	<0.01	0.3	0.2	0.09	<1	<0.5
09T R15	Rock	0.18	0.033	13	7	0.05	24	0.001	387	0.35	0.055	0.21	0.5	0.07	1.5	4.1	0.99	2	21.8
09T R16	Rock	0.16	0.050	10	7	0.04	35	<0.001	10	0.35	0.004	0.32	0.6	0.01	0.5	0.9	0.35	2	<0.5
09T R17	Rock	0.19	0.103	22	12	<0.01	12	0.001	3	0.09	0.008	0.06	0.3	<0.01	0.2	<0.1	0.22	<1	0.6
09T R18	Rock	0.56	0.060	4	30	0.69	84	0.027	1	0.69	0.008	0.31	0.1	<0.01	1.2	0.4	0.27	2	2.2
09T R19	Rock	0.01	0.003	15	11	<0.01	11	<0.001	8	0.15	0.018	0.10	5.3	<0.01	0.1	0.1	<0.05	<1	<0.5
09T R20	Rock	<0.01	<0.001	1	<1	0.02	16	<0.001	>2000	0.20	0.539	0.09	<0.1	<0.01	1.4	14.3	>10	<1	>100
09T R21	Rock	<0.01	0.002	<1	2	0.02	28	<0.001	3	0.16	0.004	0.20	1.2	0.05	<0.1	0.4	3.25	<1	2.1

Acme Analytical Laboratories (Vancouver) Ltd.
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Whitehorse YT Y1A 6N4 Canada

Project: TOM 09T
Report Date: September 08, 2009

QUALITY CONTROL REPORT VAN09003470.2

	Method	WGHT	3B	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
Pulp Duplicates																					
09T R13	Rock	0.48	<2	1.8	15.7	30.3	35	0.2	0.6	1.0	147	0.45	37.8	1.7	<0.5	3.7	4	0.3	0.3	2.7	3
REP 09T R13	QC		14																		
Reference Materials																					
STD DS7	Standard			21.1	105.7	69.6	387	0.8	56.5	9.5	609	2.41	46.5	5.1	63.6	4.5	72	6.4	5.4	4.3	82
STD DS7	Standard			21.7	106.4	69.1	397	0.8	56.5	9.5	636	2.41	48.5	5.2	78.9	4.6	77	6.2	5.4	5.9	82
STD OXE56	Standard		614																		
STD OXE56	Standard		579																		
STD OXH55	Standard		1270																		
STD OXH55 Expected			1282																		
STD DS7 Expected				20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84
STD OXE56 Expected			611																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank		<2																		
Prep Wash																					
G1	Prep Blank	<0.01	<2	0.1	2.8	14.3	69	<0.1	3.9	4.4	564	1.95	<0.5	2.1	0.5	6.3	57	0.3	<0.1	<0.1	38
G1	Prep Blank	<0.01	<2	0.1	2.8	5.1	56	<0.1	3.9	4.5	598	1.94	<0.5	2.3	<0.5	6.8	61	0.1	<0.1	0.4	38

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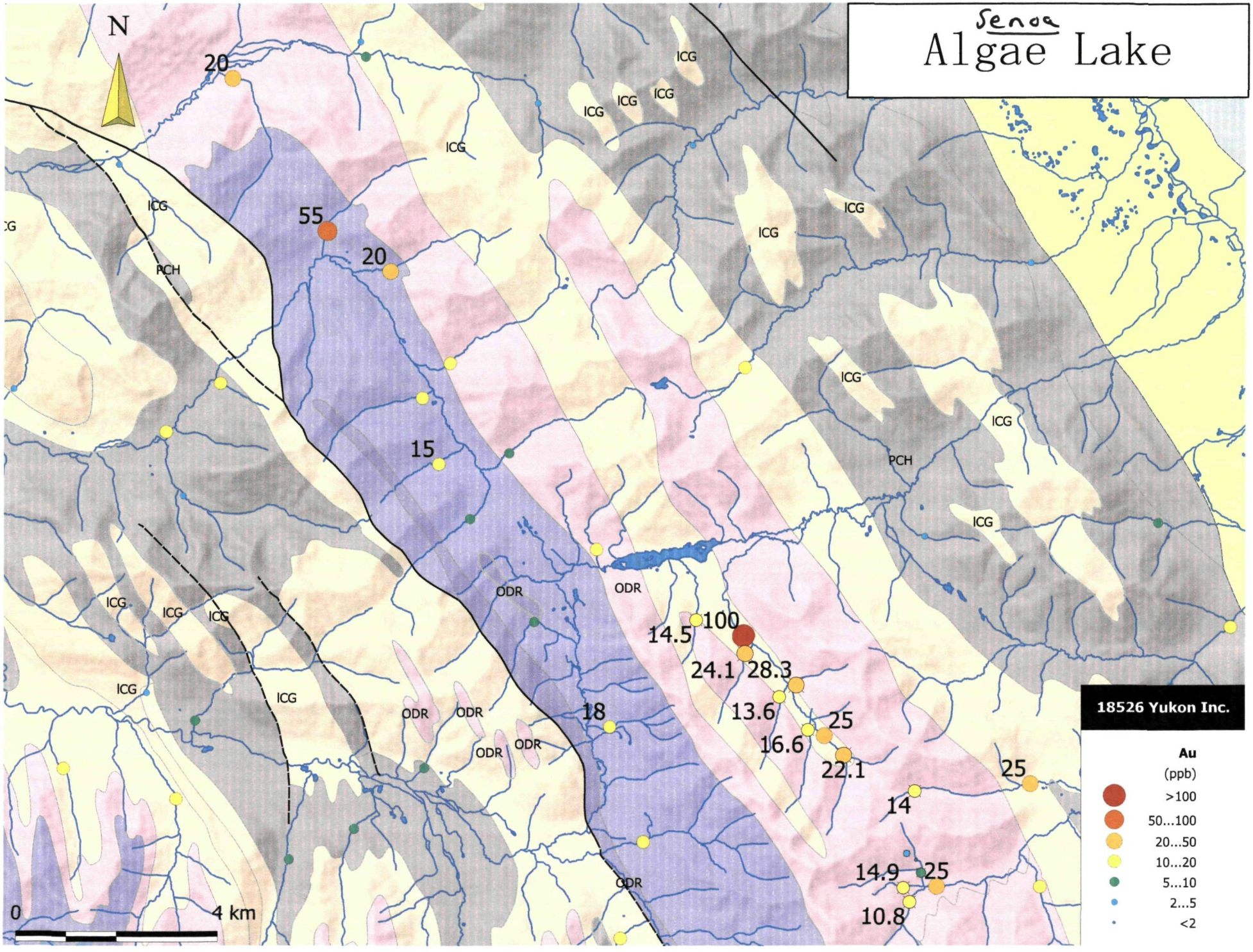
QUALITY CONTROL REPORT VAN09003470.2

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																			
09T R13	Rock	0.02	0.008	2	12	0.02	12	0.002	4	0.14	0.005	0.10	0.3	<0.01	0.3	0.1	<0.05	<1	<0.5
REP 09T R13	QC																		
Reference Materials																			
STD DS7	Standard	0.99	0.077	13	199	1.06	413	0.120	41	1.07	0.097	0.44	3.9	0.18	2.2	4.2	0.19	5	3.4
STD DS7	Standard	1.00	0.079	13	205	1.07	419	0.124	41	1.06	0.099	0.44	3.7	0.18	2.2	4.3	0.19	5	3.1
STD OXE56	Standard																		
STD OXE56	Standard																		
STD OXH55	Standard																		
STD OXH55 Expected																			
STD DS7 Expected		0.93	0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5
STD OXE56 Expected																			
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank																		
Prep Wash																			
G1	Prep Blank	0.56	0.084	12	14	0.55	179	0.134	2	1.02	0.088	0.51	<0.1	<0.01	1.9	0.3	<0.05	5	<0.5
G1	Prep Blank	0.56	0.090	14	15	0.53	181	0.137	1	1.00	0.091	0.49	0.1	<0.01	2.0	0.4	<0.05	5	<0.5

Appendix C

Arrowhead Program

Senoa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Algae Lake
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22.1
25
14
14.9
25
10.8
ICG
PCH
ODR
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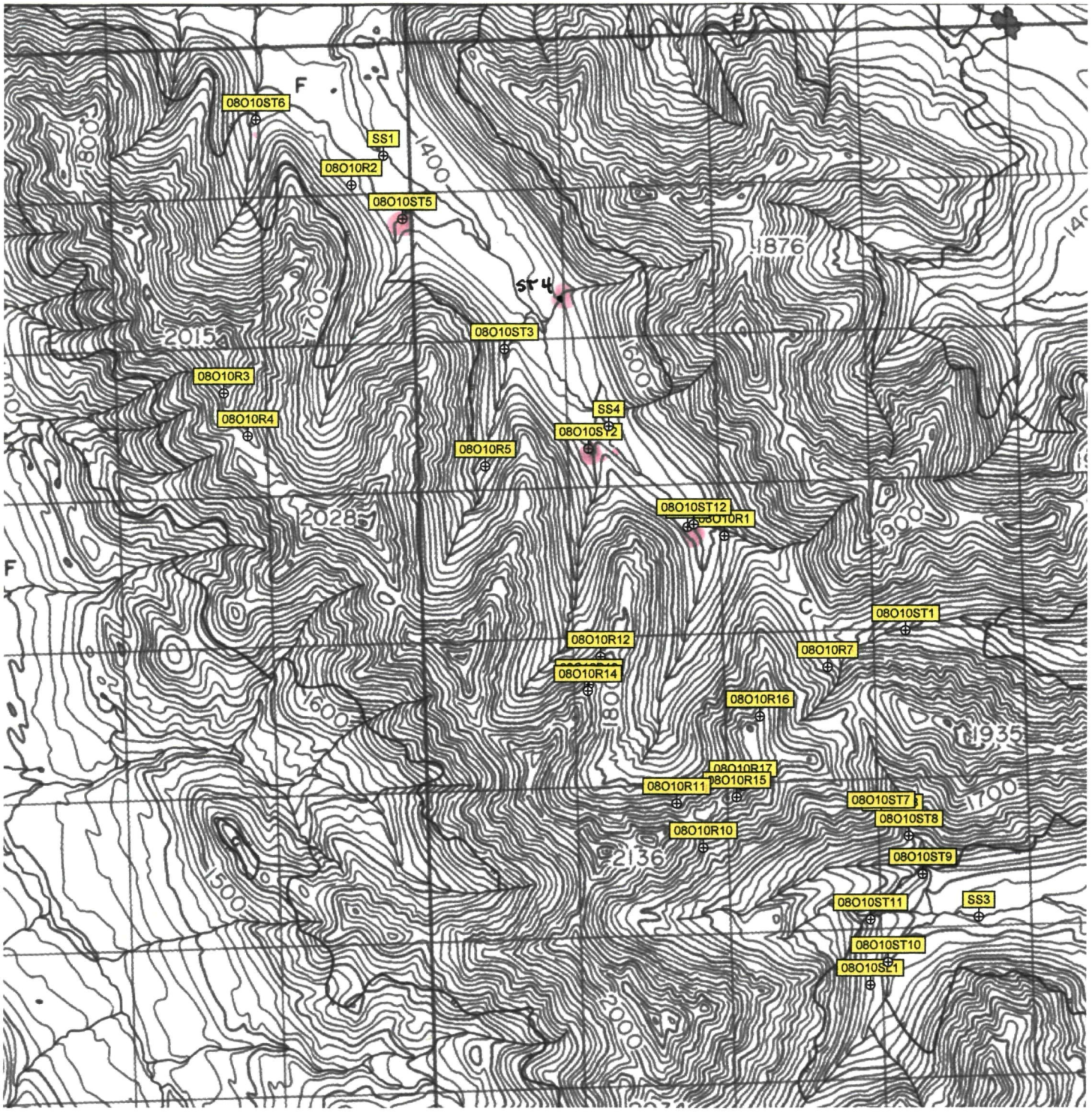

SENDA SAMPLE LOCATIONS 2008

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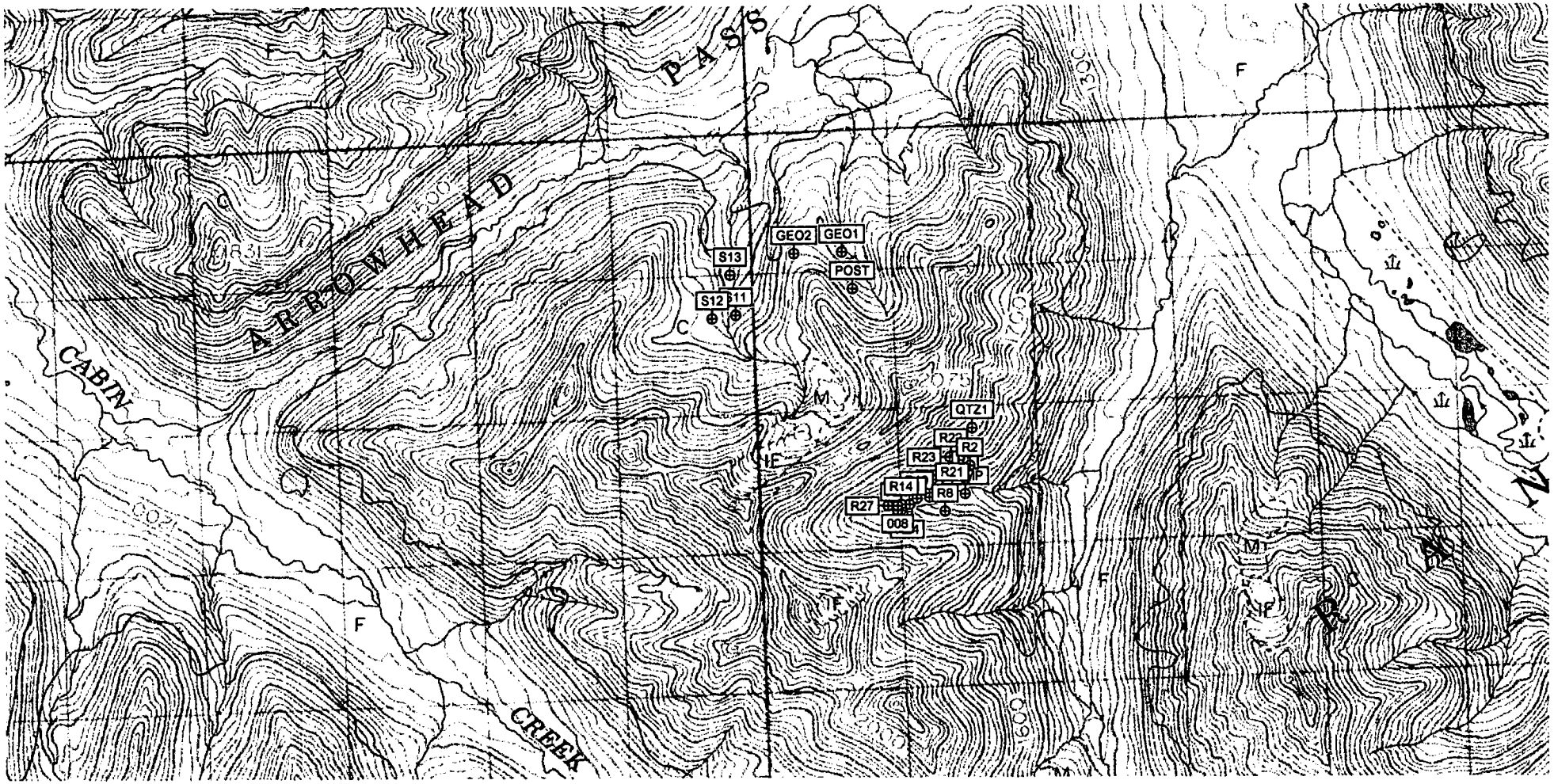
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CREEK
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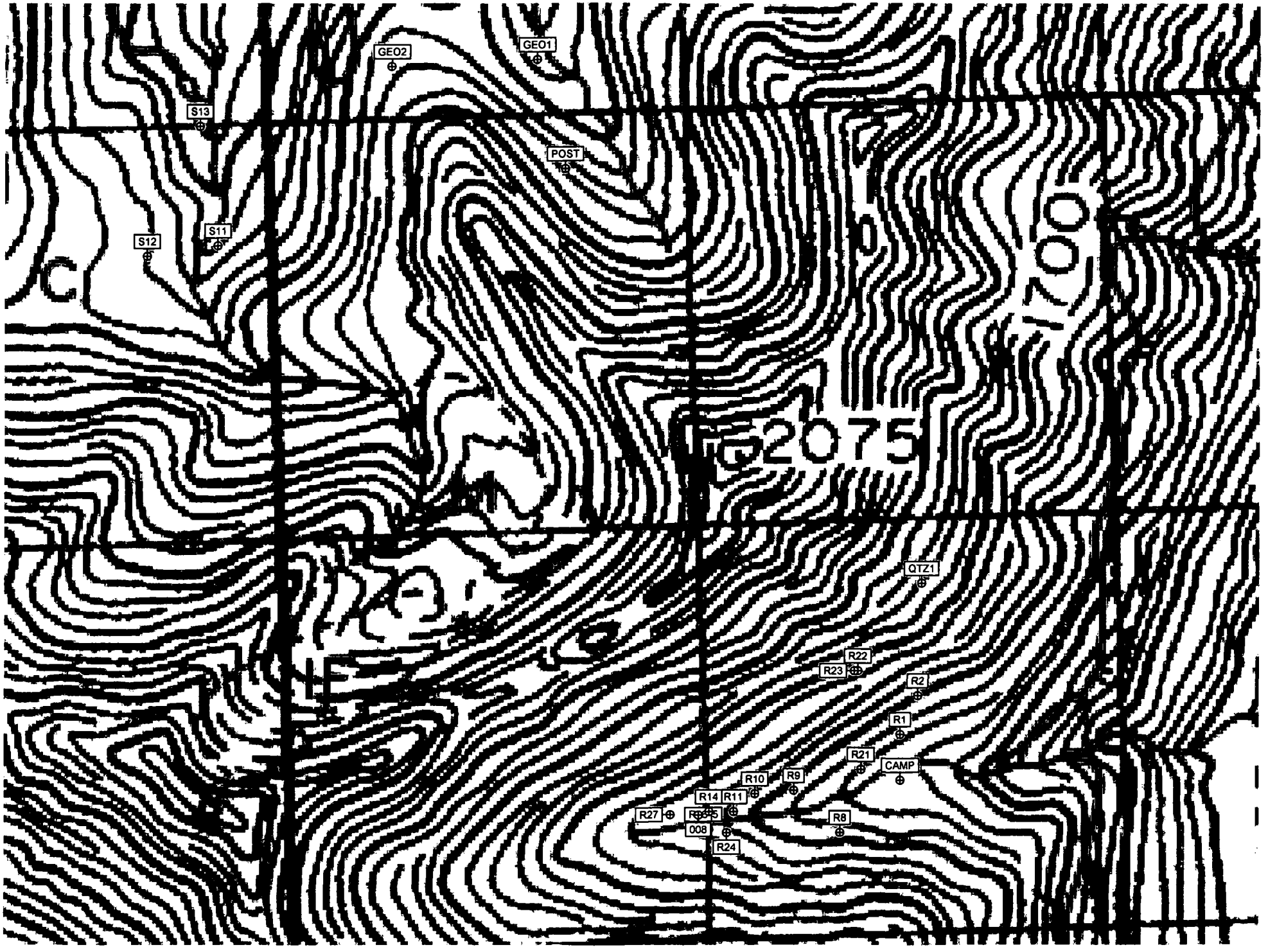
R8
R27
008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S11
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2000
QTZ1
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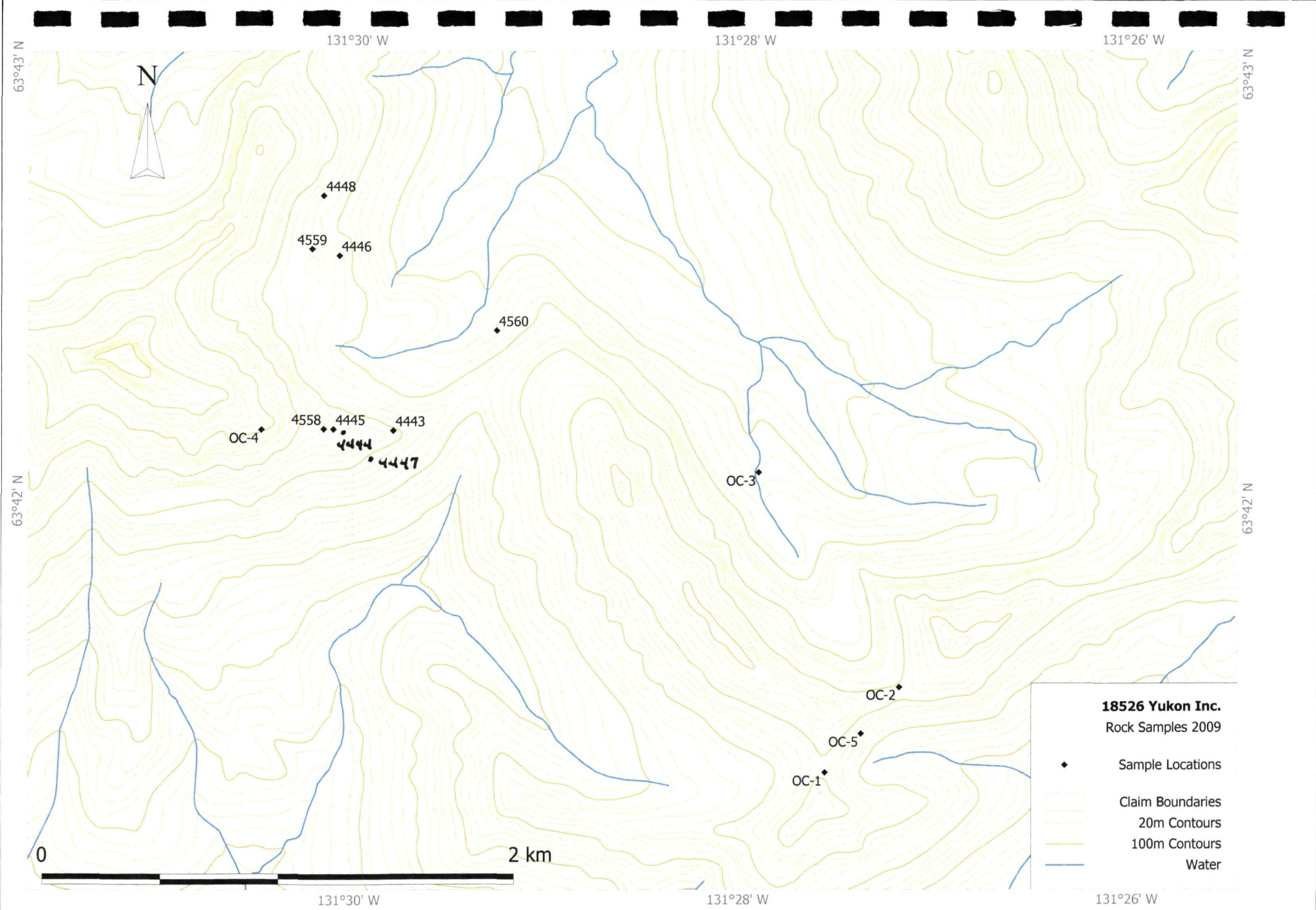
R2
R1
R21
CAMP
R10
R9
R14
R11
R27
R8
008
R24

Old Cabin

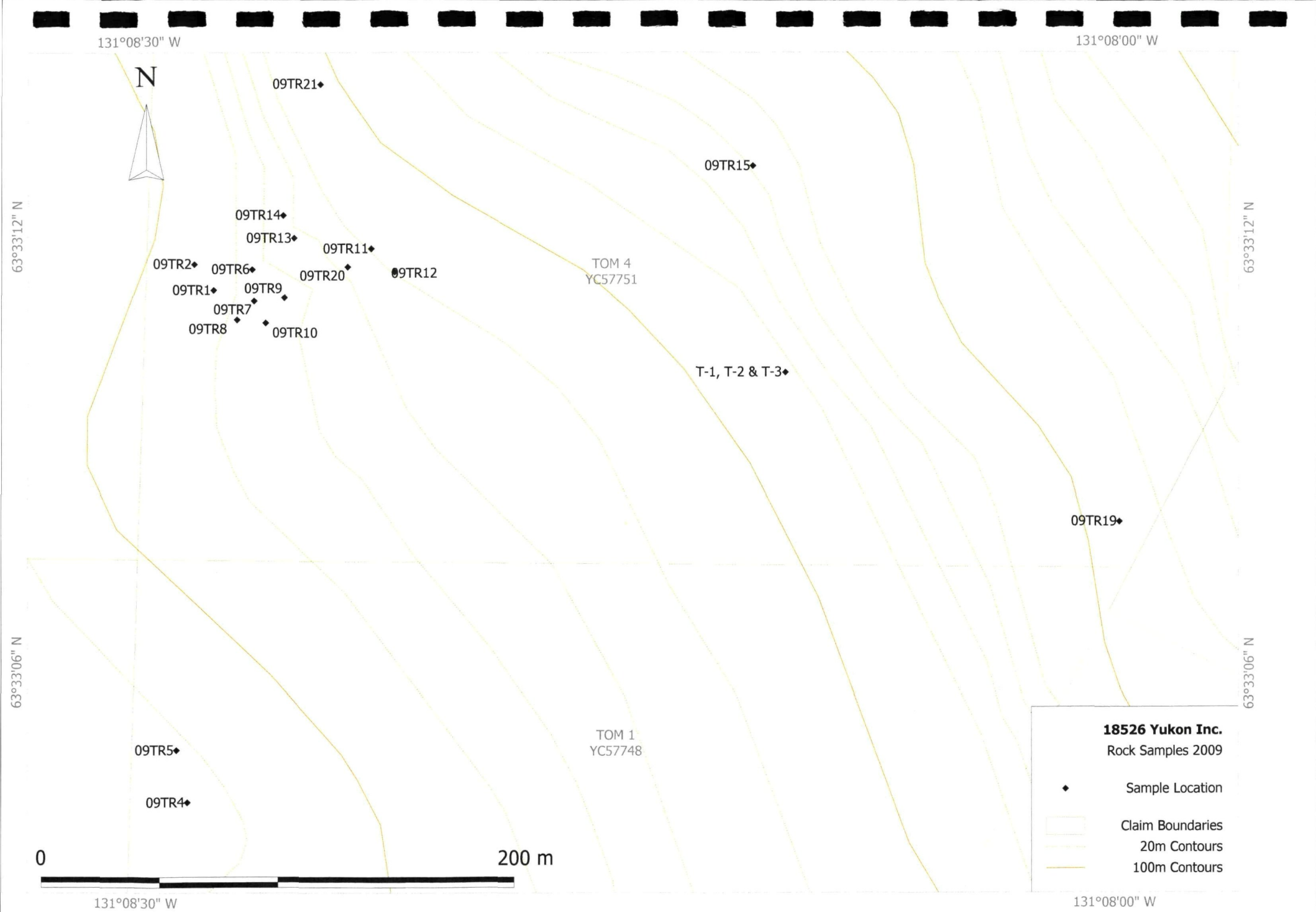


OLD CABIN

Sample Locations

1:2000
Mapsheet 105 O 11/12

Emerald



TOM CLAIMS

Sample Locations

1:2000
Mapsheet 105 O 11

Appendix D

Arrowhead Program

Project Personnel

Arrowhead Focus Regional Program

2009

Personnel	Address	Task
Andrew Berdahl	Princeton , NJ USA	Prospecting
Scott Berdahl	Cambridge, MA USA	Geologist
Ron Berdahl	Whitehorse, YT	Prospector
Rick Zuran	Whitehorse, YT	Brett Geologist
Rick Diment	Whitehorse, YT	Brett Geologist

Appendix E

Arrowhead Program

Statement of Costs

Arrowhead Focus Regional Program

2009

TransNorth Helicopter	$11,483.17
Amber Air Fixed Wing	$ 4,316.77
ACME Labs Sample Analysis	$ 1,238.63
Helicopter Fuel (Cache) 1,000l	$2,059.59
Blacksheep Aviation Otter	$3,349.50
Report Preparation	$1,000.00
TOTAL*	$23,447.66

* Wages, camp use, 2008 assays, All 2008 cost, some 2009 chopper fuel, etc.borne by applicant 100%

Appendix F

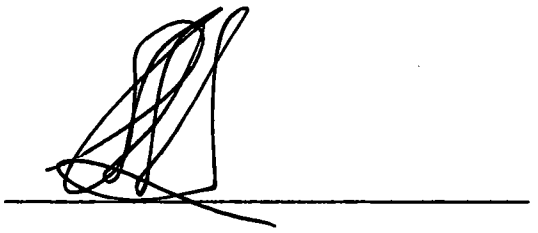
Arrowhead Program

Statement of Qualifications

I, Ron Berdahl, prospector, of Whitehorse, Yukon Territory hereby declare that:

1. I have been making a full time living from prospecting for nearly 20 years.

2. I have personally participated in the field work described herein and have interpreted the data and writen the report, w/o spell check!



Ron Berdahl