ASSESSMENT REPORT ON 1995 GEOLOGICAL, GEOCHEMICAL, AND GEOPHYSICAL WORK ON THE BALD 1-3 CLAIMS

BALD 1-3 (334960-334962)

CARIBOO MINING DISTRICT, BRITISH COLUMBIA

NTS 93A/13,14 & 93H/3,4

OWNER AND OPERTATOR

Kennecott Canada Inc.

354-200 Granville Street

Vancouver, B.C.

V6C 1S4

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DATE: January 19, 1996

COMMODITY: **Au, Ag**

LOCATION: **Wells-Barkerville Area, Central British Columbia**

NTS	**93A/13,14 & 93H/3,4**
UTM Zone	**10U, NAD27**
Northing	**5874000**
Easting	**600500**
Lat	**53^{0} 01'**
Long	**121^{0} 30'**

SUMMARY

The Bald 1-3 claims are located in the Cariboo Mining District, approximately 5 kilometres south of the town of Barkerville, at the head of Williams Creek. Comprised of 48 units, the claims cover the broad, open ridges of Bald Mountain, and Mount Proserpine, and extend down into the headwaters of five past-producing placer creeks. Access to the claims is via helicopter, based in Quesnel, or by ATV from Barkerville and Wells on historic mining trails. The claims were staked in April 1995 to cover a regional geophysical anomaly. 1995 property work consisted of geological mapping, soil, rock and drainage sampling, and multi-parameter airborne geophysics. All ground work was conducted in August 1995.

Rocks underlying the property belong to the Barkerville Terrane, and include phyllite, quartzite, meta-siltstone, and meta-conglomerate. These metasediments form part of an intensely deformed sequence of lower Paleozoic continental margin sediments within the Barkerville Terrane. Rare exposures of andesite porphyry, microdiorite and rhyolite dikes were mapped.

Poly-phase deformation has affected all stratified units on the property, and records a transition from ductile to brittle deformation from the Triassic to the Tertiary, respectively. Northwest trending, bedding-parallel cleavage is the most obvious structural element, and is responsible for overall lithologic distribution. Isoclinal folding of this cleavage, two and possibly three episodes of veining and several orientations of high-angle faults were also identified.

Vein mineralization was sparse, and only present in one of four mappable vein sets. The highest gold value obtained was 200 ppb from a sample of quartz vein containing galena, pyrite, bismuthinite, and tetrahedite (?). Associated elements were Ag, Bi, Sb and Pb. Weak hydrothermal (carbonate) alteration was spatially associated with an andesite porphyry dike in Wolverine Cirque.

Results from the airborne geophysical survey show a strong stratigraphic control on both EM resistivity, and magnetic response. Silica-rich quartzites are shown as resistivity highs, while graphitic metapelites are deep resistivity lows. Striping of magnetic data parallel to stratigraphy is likely indicative of detrital magnetite content within well-sorted metasandstone.

Economic gold values were not located on the Bald Mountain Property during the 1995 field program. No significant alteration was encountered which could have suggested the presence of buried mineralization. Results of the airborne geophysics do not point to buried mineralization. No further work is recommended at this time.

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1. INTRODUCTION:

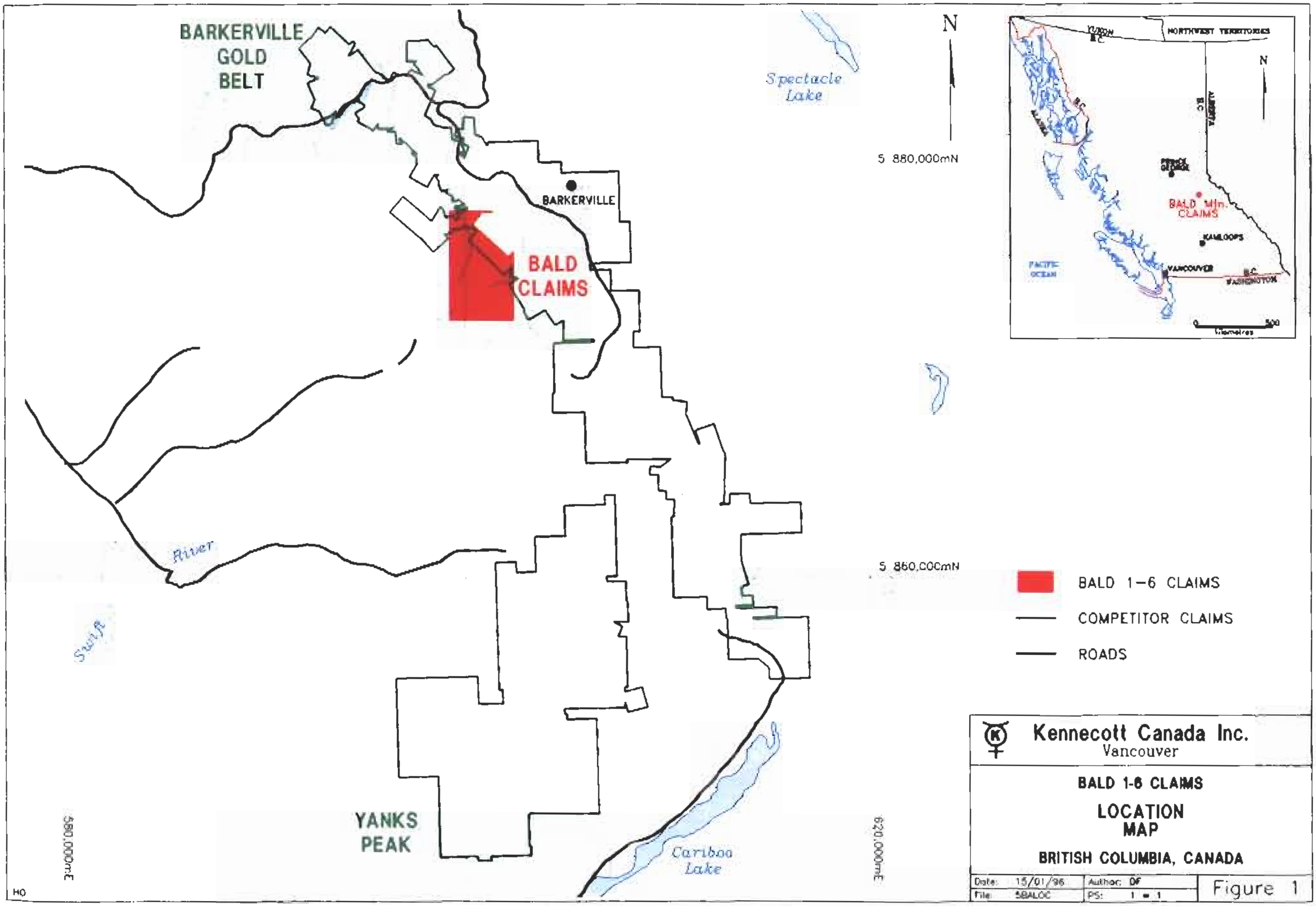
The Bald Mountain property was staked in April, 1995 to cover ground at the headwaters of five historic placer gold creeks. A combination of the location relative to placer gold deposits and the existence of a discrete regional magnetic anomaly beneath Bald Mountain and Mount Proserpine lead to selection of the target area. Historic work adjacent to, and within the property boundaries had focussed on vein mineralization, and narrow high grade gold targets. Exploration for bulk-tonnage low grade mineralization has not been undertaken, and was the purpose of this program.

Work conducted during late July and August, 1995 included: 1:5000 scale geological mapping, geochemical sampling, and a multi-parameter helicopter geophysical survey. Work was conducted to evaluate low-grade bulk-mineable replacement mineralization, or previously unrecognised intrusion related mineralization.

1.1 Location and Access

The Bald Mountain property is located at the headwaters of Williams creek, 4-5 km south-southeast of the town of Barkerville, British Columbia (Figure1). The property is roughly centered at UTM coordinates 600500 East and 5874000 North, (Zone 10) and covers the corners of mapsheets 93A/13, 93A/14, 93H/03, and 93H/04.

Access is via historic mining trails, which originate in Barkerville and Wells, reach within 1km of the property, and connect with well marked hiking/skiing/skidoo trails which traverse the property. The historic mining roads are locally rugged and the use of ATV's is recommended. Alternatively, access to the property can be obtained by helicopter based in Quesnel approximately 85 km to the west.


BARKERVILLE
GOLD
BELT
BARKERVILLE
BALD
CLAIMS
Spectacle
Lake
N
5 880,000mN
5 860,000mN
River
Swift
YANKS
PEAK
Cariboo
Lake
580,000mE
620,000mE
HO
NORTHWEST TERRITORIES
B.C.
ALBERTA
PRINCE GEORGE
BALD Mtn. CLAIMS
KAMLOOPS
VANCOUVER
PACIFIC OCEAN
WASHINGTON
0
500
Kilometres
BALD 1–6 CLAIMS
COMPETITOR CLAIMS
ROADS
Kennecott Canada Inc.
Vancouver
BALD 1-6 CLAIMS
LOCATION
MAP
BRITISH COLUMBIA, CANADA
Date: 15/01/96
Author: DF
File: 5BALOC
PS: 1 = 1
Figure 1

1.2 Physiography, Vegetation and Climate

The Bald Mountain property is within the northern Quesnel Highlands, which consists of broad ridges and mountains divided by deeply incised river valleys. Elevations on the property range from 4800 feet to 6200 feet. Pleistocene glaciation sculpted much of the present day topography, and deposited considerable glacial debris at lower elevations. A prominent north facing cirque (Wolverine cirque), is testament to Holocene alpine glaciers which have only recently retreated.

First growth spruce cover much of the property below elevations of 6100 feet, above which alpine flora exist. Boggy meadows are common at lower elevations proximal to streams. Outcrop is abundant in Wolverine cirque; however, elsewhere it is rare, and limited to scattered exposures along ridge crests, stream banks and breaks in topography. Quartz vein felsenmeer is common in alpine areas.

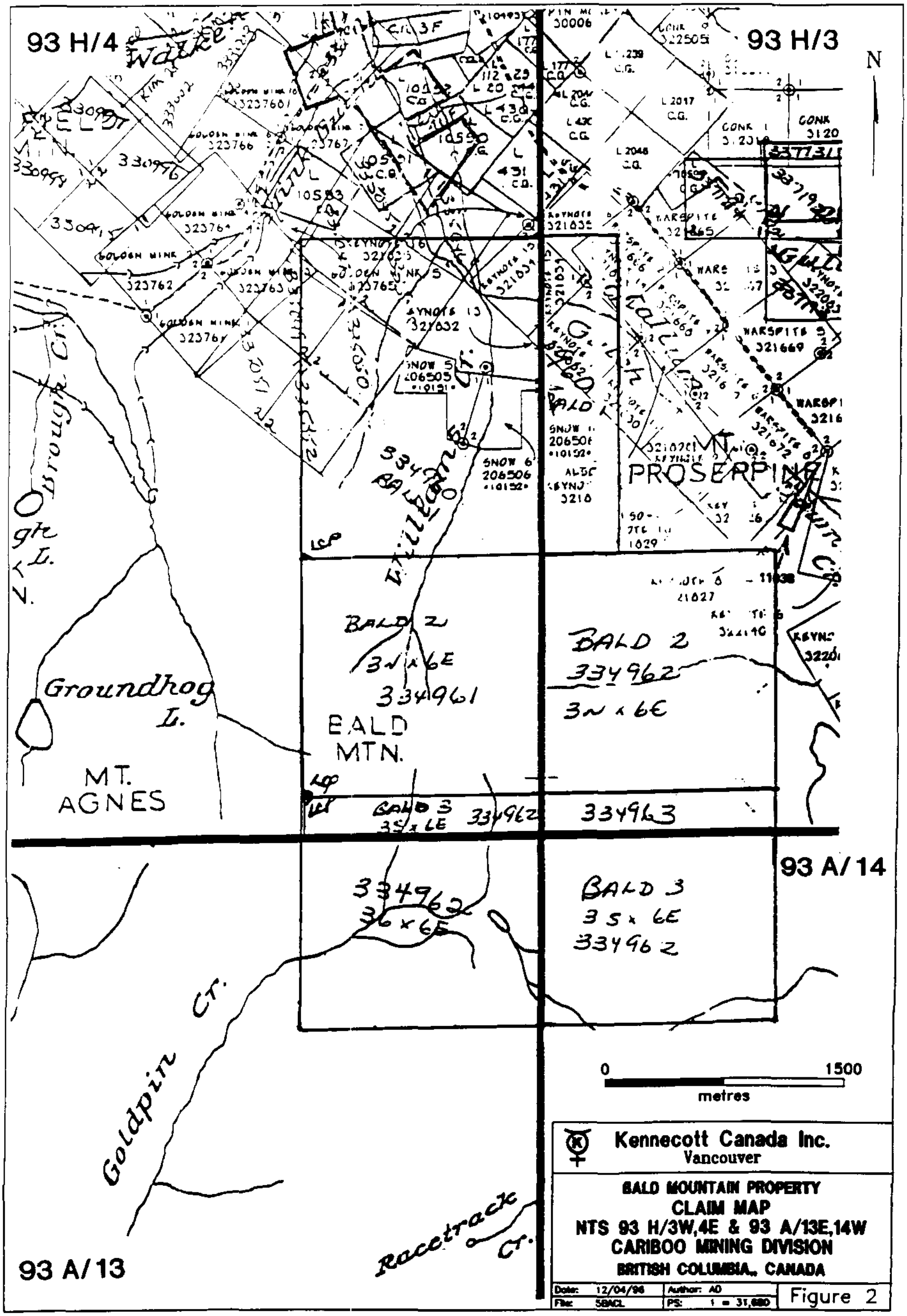
The climate is characterized by moderate to high precipitation and a wide temperature range. In summer, daily temperature highs are between 10° C to 25° C, and evenings are cool with temperatures occasionally dropping below 0° C. Winters are cold, and temperatures of minus -20° C to -30° C are common. The ground is generally snow-free from late June through early September.

1.3 Claims

Claim Name	Units	Tenure Number	Staking Date	Expiry Date*
Bald 1	16	334960	April 20,1995	April 20, 1999
Bald 2	18	334961	April 20,1995	April 20, 1999
Bald 3	18	334962	April 20,1995	April 20, 1999

*Subject to acceptance of this report.

Table 1. Bald Mountain claim information


93 H/4
93 H/3
N
93 A/14
93 A/13
Groundhog L.
MT. AGNES
BALD MTN.
PROSERPINE
Goldpin Cr.
Racetrack Cr.
BALD 2
3N x 6E
334961
BALD 2
334962
3N x 6E
BALD 3
3S x 6E
334962
334963
BALD 3
3S x 6E
334962
0
1500
metres
Kennecott Canada Inc.
Vancouver
BALD MOUNTAIN PROPERTY
CLAIM MAP
NTS 93 H/3W,4E & 93 A/13E,14W
CARIBOO MINING DIVISION
BRITISH COLUMBIA., CANADA
Date: 12/04/96
Author: AD
File: 5BACL
PS: 1 = 31,680
Figure 2

1.4 Previous Work

British Columbia's largest placer production has come from the Cariboo district. Placer gold was discovered in 1860, with mining continuing to the present day. The Bald Mountain property is located at the headwaters of five drainages, all of which have recorded placer production; Williams Creek (85,530 oz), Antler Creek (33,652 oz), Grouse Creek (14,435 oz), Jack O' Clubs Creek (6,916 oz) and Swifeet River (2,765 oz) (Levson and Giles, 1993). Evidence for historic placer working on the property is common along Williams creek and its tributaries, and to a lesser degree along the upper reaches of Grouse creek.

Lode gold mining began in the early 1870's meeting with little succes until 1933 at which time the Cariboo Gold Quartz mine began production, followed shortly afterwards by the opening of the Island Mountain mine in 1934. The Cariboo Gold Quartz mine produced 626,755 oz of gold, and is currently being drill tested for bulk mineable ore. The Island Mountain mine and adjoining Mosquito Creek mine have a combined production of 604,000 oz, and also are under currently under explorartion for bulk mineable ore.

A caved in adit is located at the base of Wolverine cirque, and a 2810 feet adit extends from the Richfield property at the head of Mink gulch into the northwestern portion of the Bald Mountain property (Sutherland Brown, 1957). Neither of the adits appear to have intersected significant mineralization. Trenched quartz veins are common throughout the property.

1.5 1995 Work Program

A total of 12 days were spent on the property, from August 18 to 29, during which time a 3 person crew conducted 1:5,000 scale geological mapping, contour and ridge line soil sampling, rock sampling and stream sediment sampling. A 200 line kilometre multiparameter airborne geophysical survey was flown by Dighem I Power in late July. A small base-camp was flown in by helicopter and located near the centre of the property. Exploration work was carried out by Kennecott (Vancouver) geologists: A. Davies, D. Green, and N. Thomas.

2. GEOLOGY

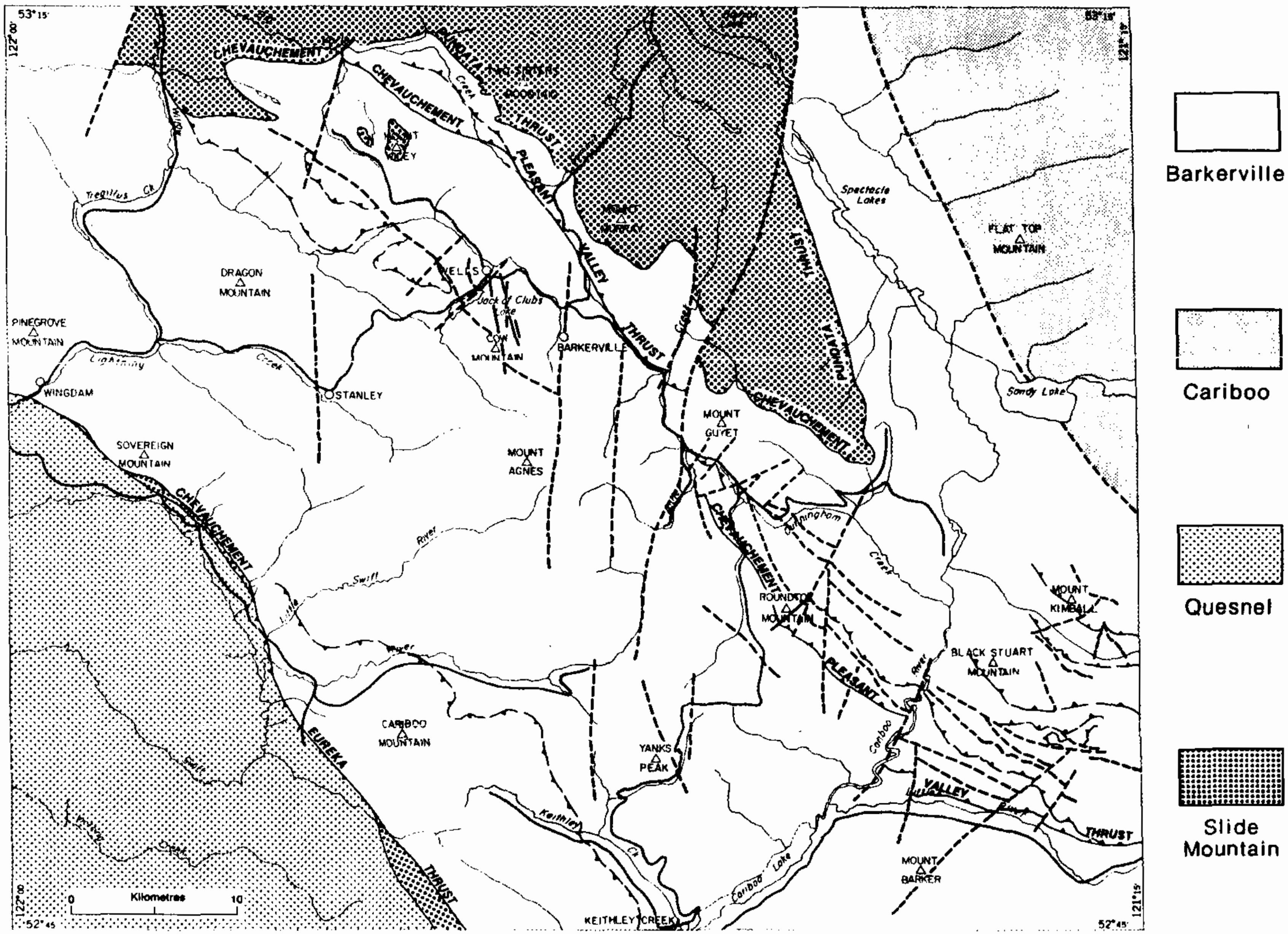
2.1 Regional Geology

Rocks of the Bald Mountain property are part of the Barkerville Terrane, which is located within the Omineca morphogeological belt. The Barkerville Terrane is dominated by Pre-Cambrian and Paleozoic grit, quartzite, and pelite, with lesser amounts of limestone, volcaniclastic rocks, and intrusions (Struik, 1988). Depostion occured in an oceanic continental shelf and slope environment, with detritus primarilly derived from the North American craton. The Barkerville Terrane is fault bounded by the Cariboo Terrane to the east and to the west by the Slide Mountain and Quesnel Terranes (Figure 3).

Structural complexity, minimal fossil control, and lack of marker beds inhibits stratigraphic mapping. Stratigraphic units are often defined only by subtle variations or concentrations of particular lithologies. Table 2 describes formations of the Barkerville Terrane as identified by Struik (1988):

Rocks of the Barkerville Terrane are highly deformed and record a history from oldest to youngest of: 1) shear, 2) ductile shortening and 3) brittle shortening and extension. Pervasive bedding parallel cleavage, local mylonites and isoclinal, commonly rootless folds formed in response to compression and shear during eastward overthrusting of the Antler Formation (Slide Mountain Terrane) during the latest Triasssic (?). Two or more sets of cleavage and folds formed during ductile shortening, and are superimposed on earlier bedding parallel cleavage. Folds are dominantly north-west trending, asymetric, similar, range from open to isoclinal, and have moderately to shallowly dipping cleavages. Ductile folding is presumably related to collision of the two land masses of North America and Quesnellia with peak metamorphism occuring in the Early Jurassic (?). Brittle shortening and extension is evidenced by crenulations, kinks, broad open small-scale folds and extensional faults which overprint all other structures. It is inferred that, coincident with uplift, the structural setting changed from brittle compression to extension in response to change in the Late Cretaceous from a primarily transpressional tectonic regime to a northerly-directed transtensional strike-slip regime.

Figure 3 Regional geology map showing terranes of the Cariboo District. All contacts are faults (Struik, 1988)



PALEOZOIC	LOWER PERMIAN		SUGAR limestone (0-10 m)	Grey crinoidal limestone
				Unconformable on Hardscrabble Mountain; not in contact with Island Mountain
	UPPER PALEOZOIC		ISLAND MOUNTAIN AMPHIBOLITE (< 150 m)	Amphibolite, tuff and siliceous mylonite
				Fault contact on Eaglesnest; not in contact with Hardscrabble Mountain
			HARDSCRABBLE MOUNTAIN (≤ 150 m?)	Black siltite, argillite and muddy granule conglomerate
				Unconformity?
	PALEOZOIC	SNOWSHOE GROUP	BRALCO (< 100 m)	Grey limestone, locally pelletal, commonly marble, includes undifferentiated phyllite
				Conformable with Downey; not in contact with Eaglesnest
			EAGLESNEST (≥ 150 m)	Grey and olive micaceous feldspathic poorly sorted quartzite and phyllite
				Lateral equivalents?
			DOWNEY (≥ 150 m)	Olive-grey micaceous feldspathic poorly sorted quartzite and phyllite, marble, metabasaltic volcaniclastics
				Conformity
			AGNES (< 60 m)	Light grey conglomerate in part with calcareous matrix
				Lateral equivalents
			GOOSE PEAK (< 250 m)	Light grey poorly sorted quartzite, phyllite, minor black siltite
				Conformity?
			HARVEYS RIDGE (≤ 300 m)	Black micaceous poorly sorted quartzite, siltite and phyllite; minor muddy conglomerate, limestone and basaltic metavolcaniclastics
				Unconformity?
PRECAMBRIAN	HADRYNIAN		KEITHLEY (≤ 300 m)	Light grey quartzite; olive micaceous poorly sorted quartzite, siltite and phyllite
				Conformity?
			KEE KHAN (≤ 75 m)	Marble, olive phyllite, sandy marble
				Conformity
			TREGILLUS (> 400 m)	Olive-grey micaceous poorly sorted feldspathic quartzite and phyllite, conglomerate
				Lateral equivalents?
			RAMOS (> 300 m)	Olive micaceous poorly sorted feldspathic quartzite and phyllite, black siltite and phyllite, amphibolite, marble, minor basaltic and felsic volcaniclastics
				Not in contact
	HADRYNIAN OR PALEOZOIC		TOM (≥ 175 m)	Olive-grey micaceous poorly sorted feldspathic quartzite, phyllite and schist; quartzose mylonite
The thickness of units is approximate and may vary substantially from the given estimates.				

Table 2. Table of formations for the Barkervile Terrane (Struik,1988)

2.2 Property Geology

Underlying the Bald 1-6 claims is a thick sequence of intensely deformed, Early to Mid Paleozoic metasedimentary rocks of the Snowshoe Group. These strata have been intruded by several high level intermediate to felsic dikes, which likely postdate Jurassic, if not Cretaceous age deformation. Three or more phases of deformation, spanning the Triassic to Tertiary, have imparted strong northwest-southeast trending S_1 and S_2 foliations, as well as tight to open, northwest-southeast trending F_2 folds, and several orientations of brittle faults.

2.2.1 Metasedimentary Rocks

Metasedimentary rocks underlying the Bald Mountain property are, in decreasing order of abundance: Quartzite, phyllitic quartzite, phyllite, meta-siltstone, graphitic pelite, and meta-conglomerate and minor conglomeratic mica schist. Metamorphic, and structural overprints hinder identification of small scale stratigraphic variations, and all but obscure primary bedding. Bedding has been transposed into the plane of S_1 foliation, and is now defined by gross and subtle changes in compositional layering parallel to S_1. Three litho-stratigraphic units have been defined on the basis of their dominant lithology. These units are referred to as unit I, unit II, and unit III, and are described below.

Unit I: Phyllite/ Phyllitic quartzite/ Meta-siltstone/ Meta-conglomerate

Rocks of unit I represent the deepest strucural and stratigraphic(?) level on the property and are best exposed in Wolverine cirque which disects the hinge zone of a large antiform. Exposure in the cirque is excellent and consists primarilly of five to fifeeteen metre interbeds of phyllite,"dirty" quartzite, siltite, and lesser conglomerate. Phyllite is generally silver-gray and exhibits a typical phyllitic sheen. Quartzite is light gray to brown-gray and generally contains impurities (dominantly pelite) which produces a darker "dirty" appearance and allows for local development of a micaceous foliation. Siltite (meta-siltstone) is light to medium gray and is is transitional in appearance between the phyllite and "dirty" quartzite. Conglomerate layers are situated at the top of the unit and consist of gray, granule to pebble sized siliceous clasts in a siliceous matrix. Large (up to 2.5m wide) discontinuous rod-like quartz veins and small scale folds are concentrated within the unit near the summit of Bald Mountain and are associated with the hinge of the antiform.

Unit II: Graphitic Pelite

Graphitic pelite lies structurally and stratigraphically(?) above unit I. Rocks are meta-mudstone, dark grey to black, highly graphitic and locally contain 0.5-3% disseminated euhedral pyrite. Pyrite occurs as cubes up to 8 mm across, although average 2-6 mm. Narrow (0.5-2 cm) milky white quartz veinlets are abundant, intensely folded, and contain little or no sulphide. The rocks are locally phyllitic, although in general are dull to waxy in apperance and lack the typical lustrous micaceous sheen characteristic of phyllites. Deformation is strong and shown by numerous, small scale, open to tight folds. The unit is outlined on the airborne geophysics by an extreme resistivity low, likely a consequence of the high graphite content.

Unit III: Quartzite

Unit III quartzites represent the highest structural and stratigraphic(?) level on the property. Rocks are pale buff-grey, orange to olive, weather resistantly, commonly underly ridge crests and form cliffy exposures. Due to its resistant nature quartzite is represented by a greater relative abundance of outcrop than other rock types, which likely does not represent true lithologic abundances. Composition ranges from pure quartzite to micaceous or highly pelitic "dirty" quartzite. Quartz ranges from fine grained to granular, although individual grains in many rocks are often fused beyond recognition. The rocks are generally massive with a poor to moderately developed cleavage, except for highly micaceous quartzite which has cleavage that is well defined by micaceous layers and often has a schistose texture. Tight to isoclinal folds occur, although are uncommon and difficult to identify due to the poor development of S_1 cleavage in this unit. Narrow quartz veins are ubiqitous, commonly planar with random orientations, occur locally in high density and rarely contain sulphide.

2.2.2 Igneous Rocks

No igneous rocks had been identified within the boundaries of the Bald Mountain property prior to 1995 fieldwork. Mapping has identified three igneous units, which all occur as dikes: Quartz-hornblende-plagioclase phyric andesite, hornblende-plagioclase microdiorite, and flow banded rhyolite. The former two units occur on the property , while the only exposures of rhyolite are located 1.2 km to the west of the property, on the northeast flank of Mount Agnes.

Unit IV: Quartz-hornblende-plagioclase phyric andesite

Only two andesite dikes were located, one on the eastern edge of Wolverine Cirque, and the other on the ridge west of Williams Creek. Many boulders of this unit were observed in both Williams Creek and McCallum Gulch, suggesting that more dikes may exist beneath overburden cover. The unit is non-magnetic, blocky and pale grey-brown weathering, and occurs as steep-dipping, northwest trending dikes which are 2 -5 metres thick. Fine, dark green to black clots of hornblende, anhedral resorbed plagioclase and 1 to 3 mm euhedral quartz phenocrysts are set in a light brown, aphanitic matrix.

Unit V: Hornblende-plagioclase microdiorite

Microdiorite dikes occur in the headwaters of an unnamed tributary of Williams Creek, in the northwest corner of the property, and subcrop in the saddle which separates Bald Mountain from Mount Agnes. Fine grained plagioclase, hornblende, and pyroxene (?) comprise these pale green dikes, which are 1 - 2 metres wide with variable strikes, and steep dips.

Unit VI: Rhyolite

A 3-4 metre wide, undeformed rhyolite dike is exposed crosscutting foliated quartzite in subcrop and outcrop for aproximately 100 m on the northwest flank of Mount Agnes. The dike is fresh in appearance, cream to buff, aphanitic with trace fine rusty flakes of siderite, has flow banded margins, and is oriented 153/74 SW.

2.2.3 Structural Geology

Bedding, although not easily identified, is generally steep to moderate and dips to the northeast. A pervasive bedding-parallel foliation (S_1) affects all of the metasediments and is the most prominent deformation fabric on the property. Bedding locally appears transposed parallel to this foliation. Development of highly deformed veinlets, common in many rocks, may be related to S_1 deformation.

Large scale folds are indicated by repititions of stratigraphy and further characterized by tracing stratigraphy outlined on resistivity maps. Small scale folds deform the S_1 foliation on an outcrop scale, and are likely subsidiary to the large scale folds which have parallel fold hinges. A rare, weakly developed steeply dipping S_2 foliation may be axial planar to the folds.

Conspicuous veins on the summit of Bald Mountain have an intimate structural relationship with folds. Veins are linear, discontinuous rods which parallel fold hinges and occupy dilation zones within small scale folds. Deformation of subsidiary veins, occuring proximal to the main veins and cross-cutting S_1 foliation, indicates veins formed during folding. Vein density is greatest in the hinge zones of large scale folds. A secondary, related vein set comprises narrow planar veinlets which occupy fractures transverse to the folds.

The Barkerville fault is a regional-scale, northerly trending structure which transects the western half of the property. A pronounced gully, with associated ankeritic alteration, cuts across the top of Bald Mountain and is interpreted to be the surface trace of the fault.

3. ALTERATION AND MINERALIZATION

3.1 Regional Metallogeny

Lode gold deposits in the Cariboo are concentrated along a narrow north-west trending strip of rocks termed the Barkerville Gold Belt (Hanson, 1935). Gold mineralization is associated with quartz veins and pyritic replacements of limestone, both of which are temporally and spatially related. Four vein sets have been recognized and occur throughout the belt: 1) transverse, 2) diagonal, 3) strike fault and 4) bed veins. The strike fault and bed veins, commonly referred to as A-veins, are large and conspicuous with little or no economic merit; whereas. both the transverse and diagonal veins, referred to as B-veins, are narrow, inconspicuous, abundant and host significant gold mineralization (Johnston and Uglow, 1926 and Hanson, 1935). Auriferous quartz veins contain pyrite and arsenopyrite, lesser amounts of galena, bismuth-lead sulphide, scheelite, sphalerite, marcasite and telluride.

Struik (1988) implies stratigraphic, structural, and metamorphic control on the location of gold mineralization. Mineralization primarily occurs within the Downey and Harveys Ridge successions of the Snowshoe Group, with pyrite replacement pronounced in structurally thickened hinge zones of folds and gold bearing vein orientations controlled by regional fault and fracture patterns. Lode gold occurences are confined to rocks of chlorite grade metamorphism even though areas of higher grade metamorphism contain the same stratigraphy. Struik therefore suggests that gold mineralization and metamorphism are coeval, whereby gold precipitated in the cooler regime of a circulating meteoric hydrothermal system driven by a metamorphic heat anomaly.

3.2 Property Mineralization

3.2.1 Quartz Veining

Veining was located throughout the property (Fig 4.), although mineralization within these veins was sparse. Veins can be grouped into four sets, which reflect different structural elements and events.

- Group 1 veins are either pre or syntectonic with F_2 deformation, and are economically insignificant. They are centimetre scale, discontinuous and frequently harmonically folded.

- Group 2 trend north-northwest, parallel F_2 fold axes, dip steeply and are vertically discontinuous. Strike continuity of individual veins is as great as 250 m with widths from 0.30 m to 3.0 metre. They occupy zones of dilation or hinge zones in medium scale F_2 folds, which results in a rod-shaped vein morphology. Although striking in appearance where they traverse the broad top of Bald Mountain, their strike continuity is deceiving.

- Group 3 veins occur as tension gash sets, and rarely as discrete, centimeter scale veins which are transverse to the northwest trending fold axial planes, and parallel to the dominant east-west joint set.

- Group 4 veins are the only set which yielded significant precious and base metal mineralization and their relationship to other the other vein sets is enigmatic. These veins trend west to west-northwest and dip steeply to the north and south, are vertically continuous, range from 0.20 to 0.40 metres thick. This vein set is likely equivalent to veins which are described regionally as 'diagonal veins'. Strike extent could not be determined due to overburden cover. Overal group 4 veins are scarce.

Spatial distribution of the various veins sets is controlled by structural setting. In general, group 1, 2 and 3 veins were concentrated in Wolverine Cirque and on the open ridge of Bald Mountain, which correlates with an interpreted antiformal hinge zone. Group 4 veins were identified on the eastern side of Wolverine Cirque, adjacent to the inferred southern extension of the Barkerville Fault, and on the north end of Proserpine Ridge above McCallum Gulch.

3.2.2 Vein Mineralization

Group 1 and 3 veins were not observed to contain sulphides and were composed entirely of milky, white vein quartz. Group 2 and 4 veins are composed of milky, white quartz, with occasional cavities containing rare euhedral quartz crystals. Gangue mineralogy in group 2 veins includes quartz, with 0.5 to 3.0 cm clots of limonite or jarosite after calcite. Fracture surfaces are frequently covered in thin films of clear muscovite, and rare patches of elbow-twinned rutile. No sulphides were observed in any group 2 veins and assay results reflect the absence of mineralization.

Group 4 veins are composed of milky and clear quartz, have muscovite on fractures, and contain the only noteable mineralization located on the Bald Mountain property. Veins are auriferous and argentiferous with clots of massive pyrite, +/- galena +/- bismuthinite +/- tetrahedrite (?). Clots are up to 20 cm in diameter and commonly include subhedral to anhedral crystals of clear, grey quartz. Best exposures of this vein set are on the eastern edge of Wolverine Cirque where the Barkerville Fault lineament intersects the cirque. At this location, two group 4 veins, which weather rusty brown to orange and contain up to 20 % sulphides, are exposed in a gully wall and talus slope. Veins located in Williams Creek, 0.75 km upstream from its junction with McCallum Gulch, were similar in character, mineralization and geochemistry to those in the cirque, and are likely group 4 veins. Galena-bearing, argentiferous veins on the northern end of Proserpine Ridge are similar in morphology to group 2 veins; however, they trend west to west-northwest, and are mineralogically similar to group 4 veins. These veins have been assigned to group 4 instead of group 2.

3.3 Property Alteration

Evidence of thermal and/or hydrothermal alteration on the property was scarce. Orange soil, and moderately to strongly iron carbonate altered phyllites were found spatially associated with the Barkerville Fault Lineament at the site of the Group 4 veins (Fig 4.). The area affected by this alteration was only a few tens of metres across. Also spatially associated with this alteration and veining was one of the only outcrops of intrusive rock, a hornblende-plagiocalse-quartz phyric andesite dike.

Hornfelsed and/or silicified phyllite and quartzite was found on the northeastern flank of the ridge trending north from Bald Mountain to Mink Gulch, at the headwaters of a small un-named creek flowing north into Williams Creek. Metasediments are hard, siliceous and green to greenish gray, and cut by several narrow, east-west trending diorite dikes.

4. GEOCHEMISTRY

A total of 70 rock, 172 soil and 5 stream sediment samples were collected during Bald Mountain property work in August of 1995. Soil and rock samples were analyzed for 32 elements by ICP, and for gold by fire assay with an AA finish. In addition, all rock samples were assayed for tungsten. Stream sediment samples were split into two fractions: -80 + 150 mesh and -150mesh. The coarser fraction was analysed for 32 elements by ICP, while the fine fraction was assayed for gold by fire assay with an AA finish, and analysed by UT10 and T24 for 27 elements. All rock and fine fraction samples were also assayed for tungsten. Analytical results are listed in Appendices B to D. Chemex Labs Ltd., North Vancouver B.C. performed all analyses. Sampling methodologies and analytical procedures are described in Appendix A.

4.1 Rock Geochemistry

Rock sample descriptions and results are included in Appendix B. Sample locations and selected elements are plotted in Figures 5 to 9. Of 70 rock grab and chip samples, only four returned gold values above the 5 ppb detection limit, ranging from 25 to 200 ppb gold. As described under "Vein Mineralization", only Group 4 veins contained visible sulphides; correspondingly, only group four veins returned anomalous precious and base metal geochemistry.

Samples of these quartz-galena-pyrite-bismuthinite-tetrahedrite (?) veins returned weakly anomalous gold (up to 200ppb), and anomalous silver (up to 153ppm), bismuth (up to 108ppm), antimony (up to 20ppm) and lead (greater than 10,000 ppm). Group 4 veins in Wolverine Cirque yielded the highest values; however, veins on the northern end of Mount Proserpine displayed the same, although weaker, elemental associations. There appears to be a good correlation between lead-bismuth-silver, and to a lesser extent gold and antimony in Group 4 veins. In cases where designation of vein group cannot be made in the field, the presence of silver-lead-bismuth +/- gold +/- antimony can be used to delineate Group 4 veins geochemically.

Silver values were highest in Group 4 veins and returned scattered values in other vein groups. Mercury and arsenic showed no strong correlations, although several high Mercury values (up to 380pp) were obtained from a cluster of Group 2 (?) veins in the upper reaches of Grouse Creek.

4.2 Soil Geochemistry

Soil samples were collected at 50 metre spacings on flagged and hip-chained, contour soil and ridgecrest lines (Fig.5, and Figs. 10-13). Samples were taken from B horizon soil, and included residual and colluvial material. Ridgecrest soils are residual and usually less than one metre thick. Soils on steeper slopes are colluvial, with local accumulations of talus fines. Valley floors and lower slopes were underlain by a combination of fluvial, colluvial and glacial debris.

Soil line locations were selected to cover the principle geophysical targets, and/or crosscut stratigraphy. Thresholds and anomalous levels were determined by inspection. Results were not encouraging, with few gold values exceeding detection. Soil geochemistry shows a moderate correlation between gold and silver, and weak correlation with lead and silver. Highest gold in soils came from the northwest end of Mount Proserpine, where four consecutive samples assayed between 15 and 50 ppb gold with up to 6.6 ppm silver. Geochemical results are listed in Appendix C.

4.3 Drainage Geochemistry

Major drainages, and minor gulches draining the Bald Mountain claims were sampled to aid in the identification of target areas. Sampling methodology and analytical procedures are described in Appendix A, and results are tabulated in Appendix D. Five, 5 kilogram samples were taken from medium energy trap sites such as mid-bar deposits, and sieved on-site to -10 mesh. Analyses were performed on two fractions: -80 to +150 mesh, and -150 mesh. The coarse fraction was analysed by 32 element ICP, and the finer fraction by organic extraction ICP, ICP-AES, fire-assay gold with AA finish, and a colourimetric tungsten assay.

Fine fraction results (Figures 10-13) are considered more representative than the coarser fraction, and were treated by more sensitive analytical procedures. Gold assays were only obtained for the fine fraction in order to test for fine gold, and to reduce the "nugget effect". Of the five samples, VR20077A from McCallum Gulch was the only anomalous gold value at 235 ppb.

5. GEOPHYSICS

A 211 line-kilometer Dighem^{V} electromagnetic/resistivity/magnetic/VLF/radiometric survey was flown over the Bald Mountain property by Dighem I Power from August 6 to August 9, 1995. This was accomplished using a Dighem^{V} multi-coil, multi-frequency electromagnetic system supplemented by a high sensitivity Cesium magnetometer, a 256-channel spectrometer and a four-channel VLF reciever (appendix E). Instrumentation was installed in an AS350B1 turbine helicopter which flew at an average airspeed of 114 km/h with an EM bird height of approximately 30m. A GPS electronic navigation system, utilizing a UHF link, ensured accurate positioning of the geophysical data with respect to the base map. Visual flight path recovery techniques were used to confirm the location of the helicopter where visible topographic features could be identified. Geophysical data was processed to produce maps which display the magnetic, conductive and radiometric properties of the survey area (Figures 14-21).

An approximately 2 km wide, northwesterly trending, magnetic high transects the northeast half of the property shown on the contoured total field magnetics map. (Figure 14). Within the broad magnetic high is a narrow linear trend of highly magnetic rocks which terminates in a 400 m diameter circular feature. The narrow diameter and intensity of the circular anomaly suggest that it may reflect a shallowly buried intrusive body. No intrusive rock was found associated with the magnetic highs, nor are there indications of thermal alteration indicative of a shallowly buried intrusion. Magnetic highs parallel stratigraphy, underlie areas of quartzite and are likely the result of magnetite rich sands within the quartzite unit.

Contoured 7200 Hz resistivity and 900 Hz resistivity maps (Figures 15 and 16) define structure and distribution of litho-stratigraphic units exceptionally well because of contrasting conductivity of litho-stratigraphic units (Figures 23 & 24). Graphitic pelite correlates with resistivity lows and quartzite with resistivity highs.

Contoured potassium, uranium, and thorium radiometrics maps (Figure 17-19) indicate radiometric high distribution mimicking areas of elevated topography and creeks with large gravel bars. The survey was flown during a period of high rainfall and therefore areas of poor drainage and or abundant overburden cover are likely to have their radiometric signatures partially or completely masked.

VLF signals recieved from Seattle, Washington and Cutler, Maine are plotted on figures 20 and 21 respectively. Nothing of significance is noted.

6. CONCLUSIONS AND RECOMMENDATIONS

Geological, geochemical and geophysical surveys of the Bald 1-3 claims have failed to yield results of economic significance. Four distinct vein sets were identified, of which only one, Group 4, was auriferous. Group 4 veins were narrow, only weakly auriferous, did not show any significant vein density, and do not represent a bulk mineable target.

Contour and ridge-line soil geochemistry showed no areas of elevated gold geochemistry that warrant further work at this time. Where these lines crossed areas underlain by magnetic highs no anomalous geochemical results were returned. In light of the lack of geochemical anomalies, or signs of thermal and/or hydrothermal alteration in rocks overlying these magnetic features, it is unlikely that buried intrusives are present.

A strong, northwest trending grain to both the magnetics and resistivity support the conclusion that the geophysics reflects stratigraphic distribution. The dominant northwest trending magnetic high, with its circular magnetic culmination underlying Mount Proserpine, is likely caused by disseminated detrital magnetic within the quartzite package. Structural thickening of this unit may result in local restricted peaks within the broader magnetic high.

Drainage geochemistry did not aid in the identification of previously unrecognized areas of mineralization. Interpretation of gold geochemistry is hindered by the unquantified effects of ubiquitous placer mining in the creeks draining Bald Mountain.

Based on the results of 1995 fieldwork on the Bald 1-3 claims do not warrant further work at this time.

7. REFERENCES

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Sutherland Brown, A., 1963. Geology of the Cariboo River area, British Columbia; British Columbia Department of Mines and Petroleum Resources, Bulletin 47, 60p.

Struik, L.C., 1988. Structural geology of the Cariboo gold mining district, east-central British Columbia; Geological Survey of Canada, memoir 421, 100p

8. STATEMENT OF EXPENDITURES

Salaries:		
A.Davies - August 18-29		
12 days @ $190/day	$2,280.00	
D.Green - August 18 - 29		
12 days @ $170/day	$2,040.00	
N. Thomas _ August 18 - 29		
12 days @ $170/day	$1,920.00	$6,240.00
Report Writing:		
A. Davies 3 days @ $190/day		$570.00
Drafting:		$1,000.00
Room and Board:		
12 days, 3 people @ $50/day/person		$1,800.00
Helicopter:		
3 hours @ $771.10/hour		$2313.00
Geochemistry:		
70 rock samples @ $22.54/sample	$1577.80	
172 soil samples @ $14.63/sample	$2,516.34	
5 drainage samples @ $41.59/sample	$207.95	$4302.09
Geophysics:		
Dighem airborne survey		**$20,000.00**
Total Expenses:		**$36,225.09**

9. STATEMENT OF QUALIFICATIONS

I, Andrew G.S. Davies, with business address:

Kennecott Canada Inc.
354-200 Granville Street
Vancouver, B.C.
V6C 1S4

and residential address in Vancouver, British Columbia, do hereby certify that:

1. I am a geologist with Kennecott Canada Inc.

2. I am a graduate of the University of British Columbia, Vancouver, with a degree in geology (B.Sc., 1994) and have been involved in geological work since 1987.

3. I am co-author of this report on the Bald claims, Cariboo Mining District, British Columbia, which is based on my personal examination of the ground during August, 1995, and on referenced sources.

January 19, 1996 **Andrew G.S. Davies, B.Sc.**

APPENDIX A

SAMPLING METHODOLOGY AND ANALYTICAL PROCEDURES

SAMPLING METHODOLOGY

All analyses were performed by Chemex Labs at 212 Brooksbank Ave., North Vancouver, B.C.. For detailed descriptions of the following analytical procedures, refer to the pages following the description of sample collection procedures. Chemex codes are noted with each procedure to allow cross referencing with the assay certificates.

Drainage Sampling

Stream sediment samples were collected from medium energy trap sites, preferably within the active channel. The preferred medium energy site was a mid-bar environment, where clay to sand-sized particles form the matrix for fine gravel to cobble sized clasts. All samples were screened on-site through a 12 mesh (1.7 mm) screen into a catch pan, with care being taken to reduce the amount of fine material washed over the edge of the pan. Approximately five kilograms of screened material, was collected at each site, stored in a poly bag and shipped to Chemex Labs in North Vancouver for further screening and analysis.

Chemex Labs dry-sieved the five kilogram samples through -80 mesh (180μm) and -150 mesh (105μm) and extracted two size fractions for analysis. The -80+150 mesh fraction was analyzed by standard 32 element IC. The -150 mesh fraction was anlyzed by ultra-trace organic extraction-inductively-coupled plasma spectrometry for 9 elements with low-level mercury by atomic absorption spectroscopy, and inductively-coupled plasma atomic emission spectrometry for 24 elements. In addition, the fine fraction was assayed for gold, by fire assay with atomic absorption spectroscopy finish, and tungsten colourimetry.

Rock Sampling

Both rock grab and chip samples were collected, with approximate, average sample weights of 3 kilograms. Rock samples were crushed and ring ground, and then analysed by 32 element ICP, colourimetric tungsten assay and gold by fire assay with an AA finish.

Soil Sampling

Soil sampling techniques are described in section 4.2. All soil samples were analysed by 32 element ICP, colourimetric tungsten assay and gold by fire assay with an AA finish.

Ring Grinding

Chemex Code: 208 Assay samples

A crushed sample split is ground using a ring mill pulverizer with a chrome steel ring set. The Chemex specification for this procedure is that greater than 90% of the ground material passes a 150 mesh screen. Grinding with chrome steel will impart trace amounts of iron and chromium to a sample.

Crushing

The entire sample is passed through TM Rhino crusher to yield a crushed product where greater than 60% of the sample passes a -10 mesh screen. A split in the range of 200-250g (weight depends on parameters requested) is then taken using a stainless steel Jones riffle splitter.

Different crushing codes are used depending on the weight of the original sample:

Chemex Code	Sample Weight
226	0 - 6 lbs (Small rock chip samples packed in porous bags only)
294	7 - 15 lbs
276	16 - 25 lbs
273	26 - 40 lbs
270	41 - 60 lbs

32-Element Geochemistry Package (32-ICP)
Inductively-Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES)

A prepared sample (1.0g) is digested with concentrated nitric and aqua regia acids at medium heat for two hours. The acid solution is diluted to 25ml with demineralized water, mixed and analyzed using a Jarrell Ash 1100 plasma spectrometer after calibration with proper standards. The analytical results are corrected for spectral inter-element interferences.

Chemex Codes	Element	Detection Limit	Upper Limit
229	Digestion		
2119	* Aluminum	0.01 %	15 %
2118	Silver	0.2 ppm	0.02 %
2120	Arsenic	2 ppm	1 %
2121	* Barium	10 ppm	1 %
2122	* Beryllium	0.5 ppm	0.01 %
2123	Bismuth	2 ppm	1 %
2124	* Calcium	0.01 %	15 %
2125	Cadmium	0.5 ppm	0.05 %
2126	Cobalt	1 ppm	1 %
2127	* Chromium	1 ppm	1 %
2128	Copper	1 ppm	1 %
2150	Iron	0.01 %	15 %
2130	* Gallium	10 ppm	1 %
2132	* Potassium	0.01 %	10 %
2151	* Lanthanum	10 ppm	1 %
2134	* Magnesium	0.01 %	15 %
2135	Manganese	5 ppm	1 %
2136	Molybdenum	1 ppm	1 %
2137	* Sodium	0.01 %	10 %
2138	Nickel	1 ppm	1 %
2139	Phosphorus	10 ppm	1 %
2140	Lead	2 ppm	1 %
2141	Antimony	2 ppm	1 %
2142	* Scandium	1 ppm	1 %
2143	* Strontium	1 ppm	1 %
2144	* Titanium	0.01 %	10 %
2145	* Thallium	10 ppm	1 %
2146	Uranium	10 ppm	1 %
2147	Vanadium	1 ppm	1 %
2148	* Tungsten	10 ppm	1 %
2149	Zinc	2 ppm	1 %
2131	Mercury	1 ppm	1 %

* Elements for which the digestion is possibly incomplete.

Ultra-Trace-10 (UT10)

The UT10 package combines results from two trace element procedures. Organic extraction followed by inductively coupled plasma spectroscopy is used to determine Ag, As, Bi, Cd, Cu, Mo, Pb, Sb, and Zn. Mercury is done separately by cold vapor AA to provide the lowest detection limit for this element.

Organic Extraction - Inductively-Coupled Plasma Spectroscopy

A prepared sample (2.00g) is digested with concentrated hydrochloric acid and potassium chlorate at low heat. The resulting solution is reduced to eliminate iron interference and trace elements are extracted with trioctyl-phosphine oxide into an organic solvent. The extract is then analyzed by inductively-coupled plasma spectroscopy.

This multi-element extraction is suitable for the analysis of soils, stream and lake sediments and other material which is not highly mineralized. If any element's upper limit is exceeded, the extraction capacity is exceeded and all elements for that particular sample will have to be reported as mineralized.

Chemex Codes	Element	Detection Limit	Upper Limit
1089	Antimony	0.2 ppm	0.1%
1092	Arsenic	0.2 ppm	0.5%
1094	Bismuth	0.2 ppm	0.5%
1095	Cadmium	0.1 ppm	0.01%
1097	Copper	0.2 ppm	0.5%
1933	Lead	0.5 ppm	0.5%
1939	Molybdenum	0.2 ppm	0.5%
1941	Silver	0.02 ppm	0.02%
1946	Zinc	1 ppm	0.5%

Mercury
Atomic Absorption Spectroscopy

Chemex Code: 20

A prepared sample (1.00g) is digested with concentrated nitric-aqua regia acid for two hours. The digested solution is diluted to volume and homogenized. An aliquot of the solution is transferred to a reaction flask connected to an absorption cell. Stannous chloride is added to reduce the mercury which is then measured by cold vapour atomic absorption spectroscopy.

Detection Limit: 10 ppb Upper Limit: 0.01%

24-Element Geochemistry Package (24-ICP)

Inductively-Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

The 24 element rock geochemistry package provides quantitative analysis of all major elements (except silicon) as well as most important trace elements.

A prepared sample (0.50g) is digested with perchloric, nitric and hydrofluoric acids to dryness. The residue is taken up in a volume of 25ml of 10% hydrochloric acid and the resulting solution is analyzed by inductively-coupled plasma atomic emission spectroscopy. Results are corrected for spectral interelement interferences.

Chemex Code	Element	Detection Limit	Upper Limit
573	Aluminum	0.01 %	15 %
565	Barium	10 ppm	1 %
575	Beryllium	0.5 ppm	0.01 %
561	Bismuth	2 ppm	1 %
576	Calcium	0.01 %	25 %
562	Cadmium	0.5 ppm	0.05 %
569	Chromium	1 ppm	1 %
563	Cobalt	1 ppm	1 %
577	Copper	1 ppm	1 %
566	Iron	0.01 %	15 %
560	Lead	2 ppm	1 %
570	Magnesium	0.01 %	15 %
568	Manganese	5 ppm	1 %
554	Molybdenum	1 ppm	1 %
564	Nickel	1 ppm	1 %
559	Phosphorus	10 ppm	1 %
584	Potassium	0.01 %	10 %
578	Silver	0.5 ppm	0.02 %
583	Sodium	0.01 %	10 %
582	Strontium	1 ppm	1 %
579	Titanium	0.01 %	10 %
556	Tungsten	10 ppm	1 %
572	Vanadium	1 ppm	1 %
558	Zinc	2 ppm	1 %

Gold

Fire Assay Collection/ Atomic Absorption Spectroscopy (FA-AA)

Chemex Code: 983

A 30g sample is fused with a neutral lead oxide flux inquarted with 6mg of gold-free silver and then cupelled to yield a precious metal bead.

These beads are digested for 30 mins in 0.5ml diluted 75% nitric acid, then 1.5ml of concentrated hydrochloric acid are added and the mixture is digested for 1 hr. The samples are cooled, diluted to a final volume of 5ml, homogenized and analyzed by atomic absorption spectroscopy.

Detection limit: 5 ppb

Upper Limit: 10,000 ppb

Chemex Code: 998 (oz/T)

Gold analyses are done by standard fire assay techniques. A prepared sample (1 assay ton (29.166 grams)) is fused with a neutral flux inquarted with 5 mg of Au-free silver and then cupelled. Silver beads for AA finish are digested for 1/2 hour in 1 ml diluted 75% nitric acid, then 3 ml of hydrochloric is added and digested for 1 hour. The samples are cooled and made to a volume of 10 ml, homogenized and analyzed by atomic absorption spectroscopy.
Any samples which assay over 0.4 oz/T (13.6 g/t) are automatically re-fire assayed using gravimetric finish. The gravimetrically determined gold content is substituted into the certificate of analysis.

Detection Limit: 0.001 oz/T

Upper Limit: 20 oz/T

Tungsten Assay

Chemex Code : 339 (WO_3 %)

A prepared sample (0.5 - 1.0 gram) is decomposed by a mixture of phosphoric, hydrofluoric and hydrochloric acid. Tungsten is then reduced with stannous chloride under carefully controlled conditions of temperature and acidity, and then complexed with thiocyanate. The solution is then analyzed against prepared standards by Spectrophotometer.

Detection Limit : 0.01 % Upper Limit : 100 %

APPENDIX B

ROCK SAMPLE DESCRIPTIONS AND ANALYTICAL RESULTS

Sample Number	Easting	Northing	Rock Type	Rock Modifiers 1	2	Minerals: Mineral	%	Occur.	Mineral	%	Occur.
VR33016A	600173.92	5876487.8	QTZ	VEN		PYY	TR		GRA		
VR33017A	600278.91	5875947	QTZ	VEN		GAL	7	CLOTS	PYY	3	DIS
VR33021A	600254.11	5876173.9	PHY	VEN		QTZ			PYY	TR	DIS
VR33022A	600272.86	5876036.1	PHY	FOL		PYY	TR	DIS			
VR33027A	599990.57	5873880.9	QTT	VEN	ALT	QTZ	10	VEN			
VR33028A	599990.57	5873880.9	QTZ	VEN		PYY	1	CLOTS	GAL	10	CLOTS
VR33029A	599990.57	5873880.9	QTT	VEN							
VR33030A	599231.77	5873589.7	QTZ	VEN							
VR33031A	599530.4	5873411.9	QTZ	VEN		PYY	TR	CLOTS			
VR33032A	599654.49	5873805.2	QTZ	VEN		FEX			PYY		
VR33033A	599645.17	5873810.9	QTZ	VEN		PYY	TR		FEX		
VR33034A	599642.81	5873820.3	QTZ	VEN		PYY	TR		FEX		
VR33035A	599917.52	5873796.3	QTZ	VEN		FEX					
VR33036A	599849.96	5873879.2	CGL	SCH		SER					
VR33037A	599586.6	5873801.3	QTZ	VEN							
VR33038A	600898.54	5874018	QTT	VEN	SCH	PYY	2		MUSC		
VR33039A	601151.63	5874029.3	QTT	SCH		PYY	2	DIS	MUS		
VR33040A	601402.49	5874085.1	PHY			PYY	1	DIS	QTZ		
VR33041A	601478.15	5874103.8									
VR33042A	601495.41	5874104.4	VEN	QTZ							
VR33043A	601503.77	5874123.5	VEN	QTZ							
VR33044A	601511.14	5874123.6	QTT	VEN		PYY	TR	DIS			
VR33045A	599988.37	5873938.8	QTZ								
VR33048A	599988.37	5873938.8	QTZ	VEN		GAL	15	CLOTS	PYY	5	CLOTS
VR33049A	599299.09	5872556.2	QTT	QTZ	VEN	FEX	TR				
VR33050A	599607.85	5872576.2	QTZ	VEN							
VR33051A	599964.75	5872734.7	CNG	QTT							
VR33052A	600082.81	5872736.3									
VR33053A	599969.56	5873259.7	QTZ	VEN		PYY	TR	DIS			
VR33054A	599838.65	5873321.4	QTZ	VEN							
VR33055A	599734.93	5873904.4	QTZ	VEN		RUT	TR?				
VR33056A	599729.04	5873875.5	QTZ	VEN							
VR33057A	599709.04	5873866.7	QTZ	VEN							
VR33058A	599763.82	5873931.2	QTZ	VEN							
VR33059A	599918.02	5873934.1	QTZ			FEX	TR		ANK	TR	
VR33060A	599800.75	5873782.4	QTZ			MUS			SER		
VR33061A	599830	5873750	QTZ								
VR33062A	599742.57	5873764.4	QTZ								
VR33063A	599522.16	5873720.7	QTZ								
VR33064A	599443.05	5873758.3									
VR33065A	599432.09	5873799.3	QTZ								
VR33066A	599472.46	5873802.3	QTZ								
VR33067A	599629.07	5873823.7									
VR33068A	599604.9	5873827.3									
VR33069A	599604.9	5873827.3									

Sample Number	Easting	Northing	Rock Type	Rock Modifiers		Minerals					
				1	2	Mineral	%	Occur.	Mineral	%	Occur.
VR33401A	600179.2	5873712	QTZ	VEN							
VR33402A	600309.3	5873855	SCH	PHY							
VR33403A	600303.2	5873846	PHY	SLS							
VR33404A	600578.4	5873731	QTZ	MIC		PYY	TR				
VR33405A	600697.6	5873601	QTT								
VR33406A	600771.7	5873456	VEN	QTZ	PHY						
VR33407A	601065.4	5873521	QTT	VEN							
VR33408A	601329.6	5873521	QTT			SX	TR	DIS			
VR33409A	601644.2	5873540	VEN	QTZ		SX	1				
VR33410A	601720	5873498	QTT	VEN		SX	TR				
VR33411A	602271.3	5873557	QTT			GAL	1	DIS			
VR33412A	599883.3	5873991	VEN	QTZ		PYY	2	CLOTS			
VR33413A	599943.6	5874002	POR	QTZ	FSP						
VR33414A	600109.4	5874103	VEN	QTZ		FOX	5	CLOTS			
VR33415A	600230.9	5874228	VEN	QTT		SX	TR				
VR33416A	600347.1	5874543	VEN	QTT		FOX	TR				
VR33417A	600453.1	5874647	VEN	QTT							
VR33422A	600526.6	5874720	SLT	GRA	PHY						
VR33423A	600855	5874965	CNG	QTZ	SHL						
VR33424A	600900.7	5875004	QTT	VEN							
VR33425A	600941.1	5875052	VEN	QTZ		SID	1	DIS			
VR33426A	601020.9	5875175	CNG	QTT	VEN						
VR33427A	601161.1	5875253	VEN	QTZ		CASTS	TR				

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: ,ENNECOTT CANADA INC. **
354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIES / DARWIN GREEN

Certificate Date: 25-SEP-95
Invoice No. : I9528015
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9528015

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
VR33016 A	205	226	< 5	0.4	0.07	2	380	< 0.5	< 2	0.06	< 0.5	< 1	185	27	0.30	< 10	60	0.02	< 10	0.01	10
VR33017 A	205	226	< 5	69.2	0.09	< 2	20	< 0.5	88	0.34	7.0	8	143	95	2.59	< 10	10	0.01	< 10	0.03	30
VR33018 A	205	226	30	1.4	0.01	2	< 10	< 0.5	< 2	0.10	< 0.5	55	97	549	14.90	< 10	1000	< 0.01	< 10	0.10	110
VR33021 A	205	226	< 5	0.4	0.15	4	400	< 0.5	< 2	0.02	< 0.5	< 1	108	14	1.03	< 10	10	0.08	< 10	0.01	10
VR33022 A	205	226	< 5	0.2	0.22	< 2	250	< 0.5	< 2	0.03	< 0.5	1	197	12	0.86	< 10	10	0.07	< 10	0.03	15
VR33027 A	205	226	< 5	< 0.2	0.34	< 2	90	< 0.5	< 2	0.01	< 0.5	8	101	16	2.57	< 10	< 10	0.09	10	0.03	245
VR33028 A	205	226	200	153.0	0.02	< 2	< 10	< 0.5	108	0.01	6.0	1	151	47	0.88	< 10	< 10	< 0.01	< 10	< 0.01	30
VR33029 A	205	226	< 5	0.2	0.12	< 2	130	< 0.5	< 2	< 0.01	< 0.5	10	98	16	9.11	< 10	< 10	0.04	< 10	< 0.01	165
VR33030 A	205	226	< 5	0.4	< 0.01	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	2	211	10	1.76	< 10	< 10	< 0.01	< 10	< 0.01	270
VR33031 A	205	226	< 5	< 0.2	0.01	2	< 10	< 0.5	< 2	< 0.01	< 0.5	2	183	8	0.67	< 10	< 10	< 0.01	< 10	< 0.01	50
VR33032 A	205	226	< 5	< 0.2	0.01	2	< 10	< 0.5	< 2	< 0.01	< 0.5	6	198	9	1.07	< 10	< 10	< 0.01	< 10	< 0.01	570
VR33033 A	205	226	< 5	< 0.2	0.51	< 2	20	< 0.5	< 2	0.02	< 0.5	12	202	14	1.55	< 10	130	0.06	< 10	0.23	205
VR33034 A	205	226	< 5	< 0.2	0.05	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	191	4	0.50	< 10	10	0.01	< 10	< 0.01	20
VR33035 A	205	226	< 5	< 0.2	0.04	2	< 10	< 0.5	< 2	0.01	< 0.5	1	186	8	0.66	< 10	< 10	< 0.01	< 10	< 0.01	20
VR33036 A	205	226	< 5	< 0.2	0.21	< 2	60	< 0.5	< 2	0.13	< 0.5	6	115	8	2.27	< 10	20	0.06	< 10	0.06	340
VR33037 A	205	226	< 5	< 0.2	0.04	24	10	< 0.5	< 2	< 0.01	< 0.5	5	167	3	3.43	< 10	30	0.02	< 10	< 0.01	155
VR33038 A	205	226	< 5	< 0.2	0.69	4	30	< 0.5	< 2	0.08	< 0.5	9	124	12	2.95	< 10	380	0.09	10	0.46	565
VR33039 A	205	226	< 5	< 0.2	0.12	10	20	< 0.5	< 2	< 0.01	< 0.5	1	90	2	1.24	< 10	200	0.08	< 10	< 0.01	5
VR33040 A	205	226	< 5	1.0	0.19	16	270	< 0.5	< 2	< 0.01	< 0.5	< 1	68	7	1.49	< 10	150	0.09	10	0.02	10
VR33041 A	205	226	< 5	< 0.2	0.01	< 2	30	< 0.5	< 2	< 0.01	< 0.5	< 1	188	1	0.32	< 10	< 10	0.01	< 10	< 0.01	185
VR33042 A	205	226	< 5	< 0.2	0.06	< 2	40	< 0.5	< 2	0.18	< 0.5	1	154	2	0.79	< 10	10	0.02	< 10	< 0.01	395
VR33043 A	205	226	< 5	< 0.2	0.01	2	< 10	< 0.5	< 2	< 0.01	< 0.5	1	208	20	0.62	< 10	< 10	< 0.01	< 10	< 0.01	75
VR33044 A	205	226	< 5	< 0.2	0.19	< 2	70	< 0.5	< 2	0.18	< 0.5	2	136	4	0.95	< 10	< 10	0.01	< 10	0.08	595
VR33045 A	205	226	< 5	< 0.2	0.30	2	40	< 0.5	< 2	0.01	< 0.5	3	194	14	1.72	< 10	10	0.03	< 10	0.06	100
VR33046 A	205	226	< 5	< 0.2	0.07	< 2	10	< 0.5	< 2	0.06	< 0.5	1	180	3	0.64	< 10	10	0.03	< 10	0.01	175
VR33048 A	205	226	145	>200	0.01	2	10	< 0.5	54	< 0.01	14.5	1	178	11	0.75	< 10	30	< 0.01	< 10	< 0.01	5
VR33049 A	205	226	< 5	3.0	0.06	< 2	10	< 0.5	8	0.01	< 0.5	< 1	188	9	0.71	< 10	< 10	0.02	< 10	< 0.01	50
VR33050 A	205	226	< 5	0.2	< 0.01	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	224	1	0.23	< 10	< 10	< 0.01	< 10	< 0.01	10
VR33051 A	205	226	< 5	< 0.2	0.38	< 2	70	< 0.5	< 2	0.15	< 0.5	3	145	14	1.22	< 10	100	0.11	< 10	0.11	115
VR33052 A	205	226	< 5	< 0.2	0.11	< 2	40	< 0.5	< 2	0.02	< 0.5	< 1	219	5	0.43	< 10	20	0.07	< 10	< 0.01	140
VR33053 A	205	226	< 5	1.2	0.01	2	< 10	< 0.5	2	< 0.01	< 0.5	2	231	16	1.66	< 10	50	< 0.01	< 10	< 0.01	115
VR33054 A	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	213	2	0.24	< 10	10	< 0.01	< 10	< 0.01	20

CERTIFICATION: ____________

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: .ENNECOTT CANADA INC.

354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIES / DARWIN GREEN

Certificate Date: 25-SEP-95
Invoice No. : I9528015
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9528015

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	W ppm
VR33016 A	205	226	4	< 0.01	3	140	4	< 2	< 1	11	< 0.01	< 10	< 10	4	< 10	64	< 2
VR33017 A	205	226	9	< 0.01	29	110	>10000	14	< 1	16	< 0.01	< 10	< 10	2	< 10	78	3
VR33018 A	205	226	1	< 0.01	395	30	64	< 2	< 1	5	< 0.01	< 10	< 10	1	< 10	8	2
VR33021 A	205	226	7	< 0.01	11	140	6	< 2	< 1	4	< 0.01	< 10	< 10	10	< 10	18	< 2
VR33022 A	205	226	3	< 0.01	9	160	50	< 2	< 1	13	< 0.01	< 10	< 10	7	< 10	58	< 2
VR33027 A	205	226	1	< 0.01	46	540	28	< 2	1	3	< 0.01	< 10	< 10	3	< 10	62	2
VR33028 A	205	226	1	< 0.01	12	580	>10000	20	< 1	4	< 0.01	< 10	< 10	1	< 10	12	< 2
VR33029 A	205	226	3	< 0.01	45	1800	120	< 2	< 1	14	< 0.01	< 10	< 10	3	< 10	42	< 2
VR33030 A	205	226	< 1	< 0.01	12	70	168	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	32	< 2
VR33031 A	205	226	< 1	< 0.01	17	40	24	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	12	2
VR33032 A	205	226	< 1	< 0.01	19	130	20	< 2	< 1	2	< 0.01	< 10	< 10	1	< 10	8	2
VR33033 A	205	226	< 1	< 0.01	40	270	10	< 2	1	5	< 0.01	< 10	< 10	6	< 10	36	< 2
VR33034 A	205	226	< 1	< 0.01	7	90	6	< 2	< 1	2	< 0.01	< 10	< 10	1	< 10	4	< 2
VR33035 A	205	226	< 1	< 0.01	12	80	8	< 2	< 1	1	< 0.01	< 10	< 10	1	< 10	6	< 2
VR33036 A	205	226	< 1	< 0.01	15	980	6	< 2	1	13	< 0.01	< 10	< 10	4	< 10	28	< 2
VR33037 A	205	226	< 1	< 0.01	30	250	4	< 2	1	1	< 0.01	< 10	< 10	1	< 10	26	< 2
VR33038 A	205	226	< 1	0.01	30	280	14	< 2	1	4	< 0.01	< 10	< 10	17	< 10	40	< 2
VR33039 A	205	226	< 1	< 0.01	8	70	28	2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	2	< 2
VR33040 A	205	226	1	< 0.01	10	130	12	2	< 1	7	< 0.01	< 10	< 10	12	< 10	24	< 2
VR33041 A	205	226	< 1	< 0.01	3	30	2	< 2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	2	< 2
VR33042 A	205	226	< 1	< 0.01	4	770	6	< 2	< 1	37	< 0.01	< 10	< 10	< 1	< 10	10	< 2
VR33043 A	205	226	< 1	< 0.01	7	10	4	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	6	< 2
VR33044 A	205	226	< 1	0.02	8	110	14	< 2	< 1	6	< 0.01	< 10	< 10	3	< 10	24	< 2
VR33045 A	205	226	1	< 0.01	9	180	38	< 2	< 1	4	< 0.01	< 10	< 10	10	< 10	34	< 2
VR33046 A	205	226	< 1	0.01	4	140	26	< 2	< 1	6	< 0.01	< 10	< 10	1	< 10	8	< 2
VR33048 A	205	226	< 1	< 0.01	3	30	>10000	118	< 1	11	< 0.01	< 10	< 10	1	< 10	2	< 2
VR33049 A	205	226	1	0.01	3	110	268	< 2	< 1	2	< 0.01	< 10	< 10	1	< 10	2	3
VR33050 A	205	226	< 1	< 0.01	3	< 10	148	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	< 2	< 2
VR33051 A	205	226	< 1	< 0.01	20	880	6	< 2	< 1	21	< 0.01	< 10	< 10	8	< 10	18	2
VR33052 A	205	226	< 1	< 0.01	4	150	10	< 2	< 1	4	< 0.01	< 10	< 10	2	< 10	2	< 2
VR33053 A	205	226	< 1	< 0.01	19	70	138	< 2	< 1	1	< 0.01	< 10	< 10	1	< 10	42	< 2
VR33054 A	205	226	< 1	< 0.01	4	< 10	6	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	< 2	11

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Certificate Date: 25-SEP-95
Invoice No. : I9528015
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CERTIFICATE OF ANALYSIS A9528015

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
VR33055 A	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	1	253	2	0.54	< 10	10	< 0.01	< 10	< 0.01	85
VR33056 A	205	226	< 5	< 0.2	0.02	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	203	7	0.49	< 10	10	< 0.01	< 10	< 0.01	50
VR33057 A	205	226	< 5	< 0.2	0.01	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	201	6	0.51	< 10	10	< 0.01	< 10	< 0.01	40
VR33058 A	205	226	< 5	< 0.2	0.02	< 2	< 10	< 0.5	< 2	0.02	< 0.5	3	174	6	0.99	< 10	20	0.01	< 10	< 0.01	365
VR33059 A	205	226	< 5	< 0.2	0.01	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	174	4	0.32	< 10	< 10	< 0.01	< 10	< 0.01	15
VR33060 A	205	226	< 5	< 0.2	0.01	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	1	166	7	0.34	< 10	10	< 0.01	< 10	< 0.01	50
VR33061 A	205	226	< 5	< 0.2	0.30	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	12	188	14	1.98	< 10	10	< 0.01	< 10	0.17	480
VR33062 A	205	226	< 5	< 0.2	< 0.01	2	< 10	< 0.5	< 2	< 0.01	< 0.5	3	204	30	0.50	< 10	10	< 0.01	< 10	< 0.01	20
VR33063 A	205	226	< 5	< 0.2	0.02	8	< 10	< 0.5	< 2	< 0.01	< 0.5	1	179	26	1.07	< 10	< 10	0.01	< 10	< 0.01	75
VR33064 A	205	226	< 5	< 0.2	0.01	2	< 10	< 0.5	< 2	< 0.01	< 0.5	4	207	45	1.01	< 10	< 10	< 0.01	< 10	< 0.01	95
VR33065 A	205	226	< 5	< 0.2	0.17	12	10	< 0.5	< 2	< 0.01	< 0.5	17	199	98	5.08	< 10	30	0.01	< 10	0.06	1280
VR33066 A	205	226	< 5	< 0.2	0.26	12	30	< 0.5	< 2	0.81	< 0.5	7	153	8	1.64	< 10	20	0.07	< 10	0.41	280
VR33067 A	205	226	< 5	< 0.2	0.39	4	10	< 0.5	< 2	0.01	< 0.5	17	182	55	3.08	< 10	10	0.02	< 10	0.22	160
VR33068 A	205	226	< 5	< 0.2	0.12	2	< 10	< 0.5	< 2	0.37	< 0.5	2	141	4	2.03	< 10	10	0.02	< 10	0.12	470
VR33069 A	205	226	< 5	< 0.2	0.05	< 2	10	< 0.5	< 2	0.72	< 0.5	4	123	4	3.09	< 10	10	0.01	< 10	0.19	420
VR33070 A	205	226	< 5	< 0.2	0.25	4	< 10	< 0.5	< 2	1.07	< 0.5	6	166	35	2.26	< 10	10	0.02	< 10	0.32	1295
VR33401 A	205	226	< 5	< 0.2	0.02	< 2	< 10	< 0.5	< 2	0.06	< 0.5	2	175	9	0.59	< 10	10	< 0.01	< 10	< 0.01	55
VR33402 A	205	226	< 5	< 0.2	0.29	2	80	< 0.5	< 2	0.24	< 0.5	8	163	10	2.15	< 10	< 10	0.08	< 10	0.11	485
VR33403 A	205	226	< 5	< 0.2	0.19	2	200	< 0.5	< 2	< 0.01	< 0.5	< 1	175	23	2.27	< 10	< 10	0.10	10	< 0.01	30
VR33404 A	205	226	< 5	< 0.2	0.15	< 2	20	< 0.5	< 2	< 0.01	< 0.5	3	150	6	1.89	< 10	< 10	0.06	10	0.02	100
VR33405 A	205	226	< 5	< 0.2	0.16	< 2	30	< 0.5	< 2	< 0.01	< 0.5	< 1	155	1	0.42	< 10	10	0.10	10	< 0.01	30
VR33406 A	205	226	< 5	< 0.2	0.10	< 2	20	< 0.5	< 2	0.07	< 0.5	1	177	8	0.71	< 10	< 10	0.04	< 10	< 0.01	190
VR33407 A	205	226	< 5	< 0.2	0.07	< 2	10	< 0.5	< 2	< 0.01	< 0.5	< 1	181	3	0.46	< 10	10	0.04	< 10	< 0.01	135
VR33408 A	205	226	< 5	< 0.2	0.24	< 2	40	< 0.5	< 2	< 0.01	< 0.5	< 1	136	2	0.77	< 10	< 10	0.10	10	0.04	20
VR33409 A	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	194	1	0.29	< 10	< 10	< 0.01	< 10	< 0.01	30
VR33410 A	205	226	< 5	< 0.2	0.16	6	40	< 0.5	< 2	0.01	< 0.5	< 1	213	5	0.84	< 10	10	0.06	< 10	0.03	65
VR33411 A	205	226	< 5	17.8	0.06	< 2	10	< 0.5	46	0.01	< 0.5	< 1	171	4	0.27	< 10	30	0.04	< 10	< 0.01	5
VR33412 A	205	226	< 5	< 0.2	0.03	< 2	10	< 0.5	< 2	0.37	< 0.5	3	150	14	1.18	< 10	< 10	< 0.01	< 10	0.05	185
VR33413 A	205	226	< 5	< 0.2	1.88	2	90	< 0.5	< 2	0.90	< 0.5	11	182	22	1.81	< 10	< 10	0.07	10	1.78	370
VR33414 A	205	226	< 5	< 0.2	0.10	< 2	20	< 0.5	< 2	< 0.01	< 0.5	2	197	19	1.54	< 10	10	0.03	< 10	0.01	315
VR33415 A	205	226	< 5	< 0.2	0.10	< 2	10	< 0.5	< 2	< 0.01	< 0.5	< 1	181	2	0.68	< 10	< 10	0.05	< 10	< 0.01	70
VR33416 A	205	226	< 5	< 0.2	0.07	< 2	10	< 0.5	< 2	< 0.01	< 0.5	< 1	216	5	0.85	< 10	10	0.04	< 10	< 0.01	155
VR33417 A	205	226	< 5	< 0.2	0.11	12	30	< 0.5	< 2	< 0.01	< 0.5	< 1	257	18	0.85	< 10	< 10	0.04	< 10	< 0.01	15

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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	W ppm
VR33055 A	205	226	< 1	< 0.01	8	60	4	< 2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	6	< 2
VR33056 A	205	226	< 1	< 0.01	5	70	4	< 2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	4	< 2
VR33057 A	205	226	< 1	< 0.01	6	70	2	< 2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	8	< 2
VR33058 A	205	226	< 1	< 0.01	13	190	2	< 2	< 1	4	< 0.01	< 10	< 10	1	< 10	14	< 2
VR33059 A	205	226	< 1	< 0.01	4	40	2	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	4	< 2
VR33060 A	205	226	< 1	< 0.01	5	40	8	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	2	< 2
VR33061 A	205	226	< 1	< 0.01	55	120	2	< 2	1	1	< 0.01	< 10	< 10	4	< 10	60	< 2
VR33062 A	205	226	< 1	< 0.01	29	30	2	< 2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	4	< 2
VR33063 A	205	226	< 1	< 0.01	14	90	4	< 2	< 1	1	< 0.01	< 10	< 10	1	< 10	4	< 2
VR33064 A	205	226	< 1	< 0.01	28	40	4	< 2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	16	< 2
VR33065 A	205	226	< 1	< 0.01	60	220	2	< 2	2	2	< 0.01	< 10	< 10	5	< 10	54	3
VR33066 A	205	226	< 1	< 0.01	24	340	2	< 2	1	56	< 0.01	< 10	< 10	3	< 10	30	< 2
VR33067 A	205	226	< 1	< 0.01	34	100	2	< 2	< 1	2	< 0.01	< 10	< 10	5	< 10	34	< 2
VR33068 A	205	226	< 1	< 0.01	17	650	2	< 2	1	35	< 0.01	< 10	< 10	2	< 10	26	2
VR33069 A	205	226	< 1	< 0.01	18	1790	< 2	< 2	1	75	< 0.01	< 10	< 10	2	< 10	64	< 2
VR33070 A	205	226	< 1	0.02	14	220	80	< 2	1	60	< 0.01	< 10	< 10	3	< 10	26	< 2
VR33401 A	205	226	< 1	< 0.01	9	320	2	< 2	< 1	5	< 0.01	< 10	< 10	1	< 10	6	< 2
VR33402 A	205	226	< 1	< 0.01	23	810	4	< 2	1	16	< 0.01	< 10	< 10	6	< 10	34	< 2
VR33403 A	205	226	4	< 0.01	11	450	28	< 2	< 1	2	< 0.01	< 10	< 10	13	< 10	58	< 2
VR33404 A	205	226	< 1	< 0.01	11	150	2	< 2	< 1	1	< 0.01	< 10	< 10	2	< 10	46	< 2
VR33405 A	205	226	< 1	< 0.01	1	80	8	< 2	< 1	9	< 0.01	< 10	< 10	1	< 10	2	< 2
VR33406 A	205	226	< 1	< 0.01	4	320	4	< 2	< 1	9	< 0.01	< 10	< 10	1	< 10	8	< 2
VR33407 A	205	226	< 1	< 0.01	2	80	14	< 2	< 1	1	< 0.01	< 10	< 10	1	< 10	4	< 2
VR33408 A	205	226	< 1	0.01	8	130	22	< 2	< 1	3	< 0.01	< 10	< 10	2	< 10	14	< 2
VR33409 A	205	226	< 1	< 0.01	2	10	6	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	2	< 2
VR33410 A	205	226	< 1	< 0.01	4	120	14	< 2	< 1	2	< 0.01	< 10	< 10	1	< 10	12	< 2
VR33411 A	205	226	< 1	< 0.01	2	30	4560	< 2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	< 2	< 2
VR33412 A	205	226	< 1	< 0.01	12	420	22	< 2	< 1	22	< 0.01	< 10	< 10	< 1	< 10	20	< 2
VR33413 A	205	226	< 1	0.08	54	1270	20	< 2	2	168	0.11	< 10	< 10	39	< 10	58	< 2
VR33414 A	205	226	< 1	< 0.01	8	100	26	< 2	< 1	2	< 0.01	< 10	< 10	1	< 10	46	< 2
VR33415 A	205	226	< 1	< 0.01	4	70	2	< 2	< 1	1	< 0.01	< 10	< 10	1	< 10	8	< 2
VR33416 A	205	226	< 1	< 0.01	3	60	16	< 2	< 1	1	< 0.01	< 10	< 10	1	< 10	24	< 2
VR33417 A	205	226	< 1	< 0.01	3	180	180	< 2	< 1	6	< 0.01	< 10	< 10	2	< 10	20	< 2

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CERTIFICATE OF ANALYSIS A9528015

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
VR33422 A	205	226	< 5	0.6	0.18	8	140	< 0.5	< 2	< 0.01	< 0.5	< 1	188	7	0.81	< 10	10	0.11	10	< 0.01	20
VR33423 A	205	226	< 5	< 0.2	0.26	4	40	< 0.5	< 2	0.10	< 0.5	11	106	14	2.26	< 10	< 10	0.07	10	0.08	275
VR33424 A	205	226	< 5	< 0.2	0.06	4	20	< 0.5	< 2	1.61	< 0.5	4	138	7	1.81	< 10	< 10	0.01	10	0.15	660
VR33425 A	205	226	< 5	< 0.2	< 0.01	< 2	< 10	< 0.5	< 2	0.02	< 0.5	1	178	4	0.49	< 10	< 10	< 0.01	< 10	< 0.01	60
VR33426 A	205	226	< 5	< 0.2	0.06	< 2	50	< 0.5	< 2	< 0.01	< 0.5	< 1	146	7	0.67	< 10	< 10	0.02	< 10	< 0.01	20
VR33427 A	205	226	< 5	1.8	0.01	10	< 10	< 0.5	< 2	< 0.01	< 0.5	1	215	6	1.14	< 10	10	< 0.01	< 10	< 0.01	40

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: .ENNECOTT CANADA INC. **

354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIES / DARWIN GREEN

Certificate Date: 25-SEP-95
Invoice No. : I9528015
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9528015

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	W ppm
VR33422 A	205	226	6	< 0.01	4	560	206	< 2	< 1	14	< 0.01	< 10	< 10	16	< 10	20	3
VR33423 A	205	226	< 1	< 0.01	35	770	< 2	< 2	1	13	< 0.01	< 10	< 10	4	< 10	44	< 2
VR33424 A	205	226	1	< 0.01	13	230	2	< 2	< 1	37	< 0.01	< 10	< 10	1	< 10	24	< 2
VR33425 A	205	226	< 1	< 0.01	7	60	2	< 2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	6	< 2
VR33426 A	205	226	< 1	< 0.01	4	130	90	< 2	< 1	3	< 0.01	< 10	< 10	1	< 10	10	< 2
VR33427 A	205	226	< 1	< 0.01	5	20	162	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	22	< 2

CERTIFICATION: [signature]

APPENDIX C

ANALYTICAL RESULTS FOR SOIL SAMPLES

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

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354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIS / DARWIN GREEN

Certificate Date: 22-SEP-95
Invoice No. : I9527990
P.O. Number :50-504
Account :KAVW

CERTIFICATE OF ANALYSIS A9527990

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 30009 A	216	202	20	< 0.2	1.64	24	170	< 0.5	< 2	0.04	0.5	6	34	24	5.76	10	1	0.08	20	0.16	295
VR 30010 A	216	202	< 5	0.6	1.31	16	190	< 0.5	< 2	0.04	< 0.5	4	22	18	3.09	< 10	< 1	0.09	30	0.16	175
VR 30011 A	216	202	5	< 0.2	1.23	22	130	< 0.5	< 2	0.07	< 0.5	5	28	19	4.35	< 10	1	0.08	20	0.21	195
VR 30012 A	216	202	< 5	0.4	1.44	14	220	< 0.5	< 2	0.04	< 0.5	4	21	19	3.50	< 10	< 1	0.10	30	0.20	145
VR 30013 A	216	202	< 5	0.6	1.04	10	140	< 0.5	< 2	0.03	< 0.5	3	17	11	2.76	< 10	< 1	0.08	30	0.11	200
VR 30014 A	216	202	< 5	< 0.2	1.39	12	150	< 0.5	< 2	0.04	< 0.5	4	25	16	4.37	10	< 1	0.08	20	0.12	230
VR 30015 A	216	202	35	0.2	1.12	8	130	< 0.5	< 2	0.04	< 0.5	3	20	13	3.29	10	< 1	0.09	40	0.13	195
VR 30016 A	216	202	10	0.2	1.16	14	240	< 0.5	2	0.12	< 0.5	9	21	16	2.60	10	< 1	0.12	40	0.21	535
VR 30017 A	216	202	10	1.0	1.07	10	220	< 0.5	< 2	0.24	< 0.5	9	24	15	3.03	< 10	< 1	0.09	20	0.26	420
VR 30018 A	216	202	< 5	0.4	1.46	14	330	< 0.5	< 2	0.14	0.5	9	31	25	3.38	10	< 1	0.14	30	0.30	270
VR 30019 A	216	202	< 5	0.4	1.37	14	270	< 0.5	< 2	0.08	< 0.5	11	32	20	3.42	10	< 1	0.12	30	0.23	425
VR 30020 A	216	202	15	5.0	1.24	2	390	< 0.5	2	0.15	0.5	5	20	39	1.14	< 10	< 1	0.09	20	0.18	70
VR 30021 A	216	202	< 5	< 0.2	0.96	8	150	< 0.5	< 2	0.02	< 0.5	4	21	19	3.73	< 10	< 1	0.07	30	0.18	175
VR 30022 A	216	202	< 5	< 0.2	0.71	16	110	< 0.5	< 2	0.02	< 0.5	2	16	14	3.46	< 10	< 1	0.04	20	0.07	90
VR 30023 A	216	202	< 5	0.8	0.93	18	130	< 0.5	< 2	0.02	< 0.5	4	15	19	2.54	< 10	< 1	0.07	30	0.14	100
VR 30024 A	216	202	< 5	< 0.2	1.29	2	330	< 0.5	< 2	0.21	0.5	5	25	17	1.03	10	< 1	0.08	30	0.28	100
VR 30025 A	216	202	< 5	< 0.2	1.17	2	240	< 0.5	< 2	0.19	0.5	8	21	14	2.24	< 10	1	0.07	30	0.33	205
VR 30026 A	216	202	< 5	0.2	1.06	4	250	< 0.5	< 2	0.17	< 0.5	4	18	11	1.73	< 10	< 1	0.08	40	0.23	75
VR 30027 A	216	202	< 5	< 0.2	0.89	2	210	< 0.5	< 2	0.17	< 0.5	5	13	6	1.36	< 10	< 1	0.09	40	0.19	175
VR 30028 A	216	202	< 5	< 0.2	1.25	18	190	< 0.5	< 2	0.13	< 0.5	11	18	21	3.43	10	1	0.13	40	0.26	535
VR 30029 A	216	202	< 5	< 0.2	1.03	8	130	< 0.5	< 2	0.06	< 0.5	7	16	18	3.30	10	< 1	0.08	50	0.23	315
VR 30030 A	216	202	< 5	< 0.2	1.00	16	70	< 0.5	< 2	0.02	< 0.5	4	19	18	4.05	< 10	< 1	0.07	30	0.18	170
VR 30031 A	216	202	< 5	< 0.2	1.13	8	70	< 0.5	2	0.03	< 0.5	3	19	14	3.82	10	< 1	0.07	30	0.14	100
VR 30032 A	216	202	< 5	< 0.2	1.05	14	40	< 0.5	< 2	0.02	< 0.5	3	20	14	4.39	10	< 1	0.05	30	0.15	110
VR 30033 A	216	202	< 5	< 0.2	1.30	12	70	< 0.5	2	0.06	< 0.5	9	22	27	3.91	10	1	0.10	40	0.28	405
VR 30034 A	216	202	35	0.2	0.78	4	80	< 0.5	< 2	0.04	< 0.5	3	15	14	2.87	10	< 1	0.04	30	0.10	130
VR 30035 A	216	202	10	0.2	1.10	4	50	< 0.5	2	0.04	< 0.5	13	19	23	3.40	10	< 1	0.07	40	0.23	565
VR 30036 A	216	202	< 5	0.4	1.27	4	60	< 0.5	< 2	0.03	< 0.5	5	24	13	4.28	10	1	0.06	40	0.18	510
VR 30037 A	216	202	< 5	0.6	1.26	6	80	< 0.5	< 2	0.03	< 0.5	6	25	19	4.42	10	< 1	0.11	30	0.16	565
VR 30038 A	216	202	< 5	0.2	0.99	6	80	< 0.5	< 2	0.14	< 0.5	4	15	8	2.67	10	< 1	0.07	40	0.15	170
VR 30039 A	216	202	< 5	0.4	1.09	8	40	< 0.5	< 2	0.02	< 0.5	6	21	21	5.29	10	1	0.06	30	0.15	320

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221 FAX: 604-984-0218

To: ENNECOTT CANADA INC.

354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIS / DARWIN GREEN

Certificate Date: 22-SEP-95
Invoice No. : I9527990
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9527990

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 30009 A	216	202	4	< 0.01	17	620	44	< 2	1	8	0.05	< 10	< 10	57	< 10	52
VR 30010 A	216	202	3	< 0.01	17	450	38	< 2	1	9	0.02	< 10	< 10	32	< 10	54
VR 30011 A	216	202	3	< 0.01	20	570	38	< 2	1	8	0.04	< 10	< 10	36	< 10	62
VR 30012 A	216	202	3	< 0.01	17	600	38	< 2	1	9	0.02	< 10	< 10	31	< 10	58
VR 30013 A	216	202	2	< 0.01	10	440	30	< 2	1	8	0.02	< 10	< 10	26	< 10	32
VR 30014 A	216	202	3	< 0.01	12	650	30	< 2	1	9	0.02	< 10	< 10	40	< 10	42
VR 30015 A	216	202	2	< 0.01	12	560	28	< 2	1	9	0.02	< 10	< 10	32	< 10	42
VR 30016 A	216	202	2	< 0.01	20	500	46	< 2	1	16	0.02	< 10	< 10	32	< 10	78
VR 30017 A	216	202	1	< 0.01	30	800	38	< 2	4	18	0.04	< 10	< 10	32	< 10	86
VR 30018 A	216	202	2	< 0.01	28	410	44	< 2	3	16	0.06	< 10	< 10	41	< 10	82
VR 30019 A	216	202	2	< 0.01	21	390	50	< 2	2	12	0.04	< 10	< 10	38	< 10	74
VR 30020 A	216	202	1	< 0.01	30	580	2550	< 2	1	20	0.02	< 10	< 10	19	< 10	78
VR 30021 A	216	202	2	< 0.01	16	520	74	< 2	1	9	0.01	< 10	< 10	24	< 10	50
VR 30022 A	216	202	2	< 0.01	12	720	30	< 2	< 1	9	0.01	< 10	< 10	25	< 10	34
VR 30023 A	216	202	2	< 0.01	19	390	32	< 2	1	9	0.01	< 10	< 10	25	< 10	54
VR 30024 A	216	202	< 1	< 0.01	24	300	58	< 2	2	20	0.04	< 10	< 10	26	< 10	82
VR 30025 A	216	202	1	< 0.01	34	810	30	< 2	1	21	0.02	< 10	< 10	22	< 10	142
VR 30026 A	216	202	1	< 0.01	21	570	52	< 2	1	22	0.01	< 10	< 10	16	< 10	118
VR 30027 A	216	202	< 1	< 0.01	17	710	42	< 2	1	23	< 0.01	< 10	< 10	15	< 10	50
VR 30028 A	216	202	2	< 0.01	24	920	88	< 2	1	22	0.01	< 10	< 10	22	< 10	94
VR 30029 A	216	202	1	< 0.01	21	510	52	< 2	1	15	0.01	< 10	< 10	19	< 10	74
VR 30030 A	216	202	2	< 0.01	16	950	30	< 2	1	8	0.01	< 10	< 10	28	< 10	50
VR 30031 A	216	202	1	< 0.01	11	510	70	< 2	1	7	0.01	< 10	< 10	27	< 10	36
VR 30032 A	216	202	1	< 0.01	13	390	24	< 2	1	6	0.01	< 10	< 10	25	< 10	36
VR 30033 A	216	202	1	< 0.01	25	470	48	< 2	1	8	0.02	< 10	< 10	22	< 10	70
VR 30034 A	216	202	1	< 0.01	10	500	38	< 2	< 1	6	0.02	< 10	< 10	26	< 10	36
VR 30035 A	216	202	1	< 0.01	21	490	34	< 2	1	7	0.02	< 10	< 10	17	< 10	66
VR 30036 A	216	202	< 1	< 0.01	13	630	12	< 2	1	5	0.02	< 10	< 10	26	< 10	42
VR 30037 A	216	202	2	< 0.01	15	890	28	< 2	1	8	0.02	< 10	< 10	36	< 10	54
VR 30038 A	216	202	< 1	< 0.01	10	440	32	< 2	1	14	0.01	< 10	< 10	22	< 10	50
VR 30039 A	216	202	1	< 0.01	18	780	20	< 2	1	4	0.01	< 10	< 10	21	< 10	56

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221 FAX: 604-984-0218

To: ENNECOTT CANADA INC.

354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIS / DARWIN GREEN

Certificate Date: 22-SEP-95
Invoice No. : I9527990
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9527990

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 30040 A	216	202	< 5	< 0.2	0.77	< 2	30	< 0.5	< 2	0.03	< 0.5	3	10	15	2.41	< 10	< 1	0.04	30	0.09	100
VR 30041 A	216	202	< 5	0.2	0.97	2	40	< 0.5	< 2	0.02	< 0.5	4	11	17	3.17	10	< 1	0.05	40	0.11	115
VR 30042 A	216	202	< 5	0.8	1.39	< 2	140	< 0.5	< 2	0.26	< 0.5	14	19	32	3.50	10	< 1	0.10	40	0.22	600
VR 30043 A	216	202	< 5	0.4	1.16	< 2	110	< 0.5	2	0.28	< 0.5	16	19	35	3.38	10	< 1	0.13	40	0.27	685
VR 30044 A	216	202	< 5	0.2	1.50	2	130	< 0.5	< 2	0.17	< 0.5	10	27	22	4.94	10	< 1	0.10	30	0.24	280
VR 30045 A	216	202	< 5	0.2	2.03	< 2	250	< 0.5	< 2	0.08	< 0.5	15	34	22	4.34	10	< 1	0.18	30	0.25	765
VR 30046 A	216	202	< 5	0.2	1.79	2	130	< 0.5	< 2	0.23	< 0.5	27	23	28	5.99	10	< 1	0.14	30	0.25	1485
VR 30047 A	216	202	< 5	0.4	1.68	2	180	< 0.5	< 2	0.25	< 0.5	14	29	23	3.70	10	< 1	0.13	30	0.33	855
VR 30048 A	216	202	< 5	< 0.2	1.23	< 2	70	< 0.5	2	0.04	< 0.5	8	26	23	4.62	< 10	< 1	0.10	30	0.29	290
VR 30049 A	216	202	35	< 0.2	1.46	< 2	110	< 0.5	2	0.09	< 0.5	15	27	21	4.16	< 10	< 1	0.08	30	0.29	420
VR 30050 A	216	202	< 5	< 0.2	2.01	8	100	< 0.5	< 2	0.06	< 0.5	50	39	74	6.32	< 10	< 1	0.07	20	0.38	1030
VR 30051 A	216	202	< 5	0.4	1.79	< 2	150	< 0.5	< 2	0.30	< 0.5	27	33	53	5.53	< 10	< 1	0.12	10	0.41	1840
VR 30062 A	216	202	< 5	< 0.2	1.22	< 2	60	< 0.5	< 2	0.05	< 0.5	8	26	30	4.86	10	< 1	0.04	20	0.19	565
VR 30063 A	216	202	< 5	0.2	0.75	18	40	< 0.5	< 2	0.05	< 0.5	8	18	34	4.75	10	< 1	0.04	30	0.10	525
VR 30088 A	216	202	< 5	< 0.2	0.91	< 2	60	< 0.5	< 2	0.01	< 0.5	9	20	21	3.85	10	< 1	0.06	30	0.16	425
VR 30089 A	216	202	< 5	0.2	1.21	2	70	< 0.5	< 2	0.02	< 0.5	8	25	22	3.35	10	< 1	0.06	30	0.33	365

CERTIFICATION: ____________________

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To: .ENNECOTT CANADA INC. **

354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIS / DARWIN GREEN

Page Number : 2-B
Total Pages : 6
Certificate Date: 22-SEP-95
Invoice No. : I9527990
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9527990

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 30040 A	216	202	< 1	< 0.01	11	450	44	2	< 1	5	< 0.01	< 10	< 10	14	< 10	34
VR 30041 A	216	202	1	< 0.01	9	250	30	2	1	4	0.01	10	< 10	14	< 10	44
VR 30042 A	216	202	< 1	< 0.01	32	640	50	2	3	24	0.02	< 10	< 10	20	< 10	90
VR 30043 A	216	202	1	< 0.01	33	690	78	< 2	5	25	0.03	< 10	< 10	23	< 10	104
VR 30044 A	216	202	< 1	< 0.01	24	680	40	< 2	2	19	0.03	< 10	< 10	32	< 10	92
VR 30045 A	216	202	1	< 0.01	24	560	40	< 2	2	11	0.02	< 10	< 10	36	< 10	98
VR 30046 A	216	202	1	< 0.01	44	1240	24	4	2	21	0.01	< 10	< 10	26	< 10	226
VR 30047 A	216	202	1	< 0.01	27	1200	30	< 2	2	28	0.02	< 10	< 10	32	< 10	102
VR 30048 A	216	202	2	< 0.01	24	560	22	4	1	7	0.01	< 10	< 10	25	< 10	74
VR 30049 A	216	202	2	< 0.01	30	700	40	< 2	1	12	0.02	< 10	< 10	27	< 10	96
VR 30050 A	216	202	1	< 0.01	85	1160	16	4	3	8	0.01	< 10	10	26	< 10	142
VR 30051 A	216	202	< 1	< 0.01	71	2100	14	4	3	35	0.01	< 10	< 10	27	< 10	140
VR 30062 A	216	202	2	< 0.01	32	860	30	2	2	7	0.03	< 10	< 10	44	< 10	86
VR 30063 A	216	202	1	< 0.01	30	1120	24	4	1	6	0.03	< 10	< 10	51	< 10	76
VR 30088 A	216	202	< 1	< 0.01	22	840	6	2	1	3	< 0.01	< 10	< 10	16	< 10	42
VR 30089 A	216	202	< 1	< 0.01	22	1030	< 2	2	1	4	< 0.01	< 10	< 10	17	< 10	58

CERTIFICATION: ____________

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CERTIFICATE OF ANALYSIS A9527990

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 30093 A	216	202	< 5	0.2	0.91	14	100	< 0.5	< 2	0.03	< 0.5	6	18	24	3.14	< 10	< 1	0.06	20	0.14	305
VR 30094 A	216	202	10	0.4	1.74	14	220	< 0.5	2	0.18	< 0.5	22	31	62	6.69	10	< 1	0.10	20	0.41	1980
VR 30095 A	216	202	< 5	< 0.2	1.24	16	130	< 0.5	< 2	0.08	< 0.5	9	26	29	4.26	< 10	< 1	0.08	20	0.28	225
VR 30096 A	216	202	< 5	< 0.2	0.89	20	190	< 0.5	2	0.09	< 0.5	9	20	47	3.47	< 10	< 1	0.08	20	0.23	205
VR 30097 A	216	202	< 5	0.2	1.02	10	220	< 0.5	2	0.22	< 0.5	11	21	32	3.52	< 10	< 1	0.07	10	0.20	1070
VR 30098 A	216	202	< 5	0.2	0.48	4	180	< 0.5	2	0.19	< 0.5	2	10	19	1.85	< 10	< 1	0.04	20	0.08	245
VR 30099 A	216	202	< 5	0.2	1.20	4	160	< 0.5	2	0.07	< 0.5	12	25	28	3.39	< 10	< 1	0,06	30	0.35	395
VR 30100 A	216	202	< 5	3.4	1.85	< 2	160	< 0.5	< 2	0.60	< 0.5	12	30	72	3.68	< 10	< 1	0.08	10	0.34	770
VR 30101 A	216	202	< 5	0.4	1.01	10	150	< 0.5	2	0.12	< 0.5	10	24	31	4.08	10	< 1	0.06	30	0.20	490
VR 30102 A	216	202	< 5	0.2	1.31	< 2	170	< 0.5	< 2	0.20	< 0.5	18	29	27	4.09	10	< 1	0.06	20	0.32	510
VR 30103 A	216	202	< 5	0.2	1.49	18	260	< 0.5	< 2	0.05	< 0.5	11	29	33	3.38	10	< 1	0.07	30	0.27	380
VR 30104 A	216	202	< 5	0.2	1.00	14	90	< 0.5	4	0.04	< 0.5	4	26	17	3.81	10	< 1	0.06	30	0.19	95
VR 30105 A	216	202	< 5	0.4	1.33	12	130	< 0.5	< 2	0.13	< 0.5	16	26	25	3.93	10	< 1	0.06	30	0.28	585
VR 30106 A	216	202	< 5	2.2	1.49	18	170	0.5	< 2	0.47	1.0	14	26	122	3.40	10	< 1	0.10	30	0.25	1005
VR 30107 A	216	202	< 5	2.4	1.99	14	360	< 0.5	< 2	0.71	1.0	16	36	77	4.65	10	< 1	0.12	10	0.33	975
VR 30108 A	216	202	< 5	0.6	1.99	20	270	< 0.5	< 2	0.45	< 0.5	16	39	55	4.14	10	< 1	0.16	20	0.48	965
VR 30109 A	216	202	< 5	0.2	1.34	18	170	0.5	2	0.28	< 0.5	11	34	24	3.24	< 10	< 1	0.10	30	0.44	485
VR 30110 A	216	202	< 5	0.2	1.20	24	130	< 0.5	< 2	0.26	< 0.5	12	27	27	3.14	< 10	< 1	0.06	20	0.40	520
VR 30111 A	216	202	10	0.4	1.43	8	140	0.5	< 2	0.29	< 0.5	16	29	42	3.83	< 10	< 1	0.08	20	0.37	925
VR 30112 A	216	202	< 5	< 0.2	1.02	14	100	< 0.5	< 2	0.18	< 0.5	12	24	25	3.21	10	< 1	0.07	40	0.38	400
VR 30113 A	216	202	50	0.2	1.57	4	190	< 0.5	< 2	0.30	< 0.5	17	36	28	3.95	10	< 1	0.13	20	0.40	775
VR 30114 A	216	202	< 5	0.2	1.65	6	170	< 0.5	< 2	0.18	0.5	13	44	28	6.08	10	< 1	0.08	20	0.22	410
VR 30115 A	216	202	< 5	0.2	1.26	14	130	< 0.5	< 2	0.25	< 0.5	13	30	26	3.61	10	< 1	0.09	30	0.36	265
VR 30116 A	216	202	< 5	0.4	1.55	8	150	0.5	< 2	0.23	< 0.5	16	31	30	4.11	10	< 1	0.10	30	0.34	750
VR 30117 A	216	202	< 5	0.2	1.38	26	110	< 0.5	< 2	0.37	< 0.5	17	34	47	5.90	10	< 1	0.08	30	0.23	370
VR 30118 A	216	202	< 5	0.4	1.67	14	140	0.5	< 2	0.18	< 0.5	15	33	34	3.60	10	< 1	0.09	30	0.36	640
VR 30119 A	216	202	< 5	< 0.2	1.17	12	90	< 0.5	< 2	0.11	< 0.5	15	28	30	3.48	< 10	< 1	0.07	30	0.30	495
VR 30120 A	216	202	< 5	0.4	1.68	18	100	< 0.5	< 2	0.27	< 0.5	21	31	44	4.63	< 10	< 1	0.07	30	0.30	405
VR 30121 A	216	202	< 5	0.6	1.68	4	140	< 0.5	< 2	0.18	< 0.5	16	32	30	4.09	< 10	< 1	0.07	20	0.44	545
VR 30122 A	216	202	< 5	< 0.2	1.26	16	60	0.5	< 2	0.26	< 0.5	20	32	56	5.77	10	< 1	0.04	30	0.50	380
VR 30123 A	216	202	< 5	< 0.2	0.71	6	40	< 0.5	2	0.03	< 0.5	3	12	13	2.46	10	< 1	0.04	30	0.06	350
VR 30124 A	216	202	< 5	< 0.2	0.65	20	40	< 0.5	< 2	0.02	< 0.5	6	12	23	4.33	< 10	< 1	0.04	30	0.06	240
VR 30125 A	216	202	< 5	< 0.2	0.95	16	40	0.5	< 2	0.03	< 0.5	4	17	27	4.31	< 10	< 1	0.04	20	0.15	140
VR 30126 A	216	202	< 5	< 0.2	0.49	< 2	20	< 0.5	< 2	0.01	< 0.5	< 1	4	6	0.79	10	< 1	0.03	50	0.02	45
VR 30127 A	216	202	< 5	< 0.2	1.04	6	50	0.5	< 2	0.02	< 0.5	7	18	22	3.64	10	< 1	0.07	40	0.22	205
VR 30128 A	216	202	< 5	< 0.2	1.18	14	50	0.5	< 2	0.02	< 0.5	10	18	23	3.60	10	< 1	0.07	40	0.30	440
VR 30129 A	216	202	< 5	< 0.2	0.97	2	50	1.0	< 2	0.02	< 0.5	6	17	19	3.70	10	< 1	0.08	40	0.20	430

CERTIFICATION:

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNECOTT CANADA INC.
354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIS / DARWIN GREEN

Certificate Date: 22-SEP-95
Invoice No. : I9527990
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9527990

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 30093 A	216	202	2	< 0.01	17	840	30	2	< 1	7	0.01	< 10	< 10	29	< 10	52
VR 30094 A	216	202	2	< 0.01	63	1260	52	6	3	24	0.01	< 10	< 10	33	< 10	176
VR 30095 A	216	202	1	< 0.01	38	670	22	< 2	1	10	0.02	< 10	< 10	35	< 10	88
VR 30096 A	216	202	1	< 0.01	45	360	54	2	3	10	0.01	< 10	< 10	19	< 10	124
VR 30097 A	216	202	7	< 0.01	23	1010	96	2	1	35	0.01	< 10	< 10	34	< 10	98
VR 30098 A	216	202	2	< 0.01	18	610	146	2	< 1	44	< 0.01	< 10	< 10	24	< 10	80
VR 30099 A	216	202	1	< 0.01	41	700	18	4	2	10	0.01	< 10	< 10	21	< 10	104
VR 30100 A	216	202	1	< 0.01	87	1820	18	4	7	63	0.01	< 10	< 10	18	< 10	128
VR 30101 A	216	202	1	< 0.01	35	790	32	2	1	14	0.01	< 10	< 10	32	< 10	102
VR 30102 A	216	202	1	< 0.01	45	710	20	< 2	1	20	0.01	< 10	< 10	25	< 10	110
VR 30103 A	216	202	1	< 0.01	40	530	< 2	2	2	9	0.01	< 10	< 10	27	< 10	88
VR 30104 A	216	202	1	< 0.01	23	760	4	4	1	7	0.01	< 10	< 10	42	< 10	44
VR 30105 A	216	202	1	< 0.01	39	840	38	< 2	2	20	0.01	< 10	< 10	25	< 10	108
VR 30106 A	216	202	2	< 0.01	55	1040	98	4	4	39	0.02	< 10	< 10	29	10	158
VR 30107 A	216	202	4	0.01	64	2330	68	4	3	95	0.03	< 10	10	35	10	268
VR 30108 A	216	202	3	0.01	60	1430	54	2	4	50	0.04	< 10	< 10	43	10	148
VR 30109 A	216	202	1	< 0.01	32	470	42	4	3	19	0.06	< 10	< 10	45	< 10	92
VR 30110 A	216	202	1	< 0.01	36	530	36	< 2	3	18	0.03	< 10	< 10	33	< 10	126
VR 30111 A	216	202	1	< 0.01	51	1210	56	2	3	24	0.02	< 10	< 10	32	< 10	154
VR 30112 A	216	202	1	< 0.01	33	440	42	2	2	16	0.02	10	< 10	25	< 10	84
VR 30113 A	216	202	1	< 0.01	42	1110	40	< 2	2	31	0.02	< 10	< 10	35	10	102
VR 30114 A	216	202	< 1	< 0.01	32	970	34	4	3	17	0.09	< 10	< 10	65	10	98
VR 30115 A	216	202	< 1	< 0.01	50	810	26	< 2	3	22	0.03	< 10	< 10	29	< 10	82
VR 30116 A	216	202	1	< 0.01	42	730	68	4	3	24	0.03	< 10	< 10	36	10	124
VR 30117 A	216	202	< 1	< 0.01	51	730	64	4	3	31	0.07	< 10	< 10	54	10	104
VR 30118 A	216	202	< 1	< 0.01	52	960	36	4	2	20	0.03	< 10	< 10	31	10	110
VR 30119 A	216	202	1	< 0.01	47	700	34	2	1	11	0.01	< 10	< 10	27	< 10	82
VR 30120 A	216	202	1	< 0.01	61	760	76	2	3	24	0.02	< 10	< 10	29	< 10	108
VR 30121 A	216	202	1	< 0.01	43	850	30	2	2	16	0.01	< 10	< 10	25	10	112
VR 30122 A	216	202	1	< 0.01	68	1080	12	4	3	25	< 0.01	< 10	< 10	18	10	148
VR 30123 A	216	202	2	< 0.01	11	970	32	< 2	< 1	9	0.01	< 10	< 10	24	< 10	34
VR 30124 A	216	202	2	< 0.01	18	1020	28	2	< 1	12	< 0.01	< 10	< 10	20	< 10	46
VR 30125 A	216	202	1	< 0.01	16	740	30	4	< 1	12	< 0.01	< 10	< 10	23	< 10	54
VR 30126 A	216	202	< 1	< 0.01	4	280	12	< 2	< 1	6	< 0.01	10	< 10	13	< 10	14
VR 30127 A	216	202	1	< 0.01	19	520	16	2	1	6	0.01	< 10	< 10	18	< 10	52
VR 30128 A	216	202	< 1	< 0.01	23	500	18	2	1	5	< 0.01	< 10	< 10	16	< 10	64
VR 30129 A	216	202	1	< 0.01	15	720	16	2	1	5	< 0.01	< 10	< 10	18	< 10	42

CERTIFICATION: ____________

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: .ENNECOTT CANADA INC.

354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIS / DARWIN GREEN

Certificate Date: 22-SEP-95
Invoice No. : I9527990
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9527990

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 30130 A	216	202	< 5	< 0.2	1.31	8	70	< 0.5	< 2	0.03	< 0.5	9	22	26	4.23	10	< 1	0.10	40	0.37	305
VR 30131 A	216	202	< 5	< 0.2	1.09	10	50	< 0.5	< 2	0.03	< 0.5	3	20	15	3.59	10	1	0.08	30	0.23	260
VR 30132 A	216	202	< 5	< 0.2	1.20	6	60	< 0.5	< 2	0.03	< 0.5	8	21	25	3.80	< 10	1	0.09	30	0.27	370
VR 30133 A	216	202	< 5	< 0.2	0.93	4	30	< 0.5	< 2	0.02	< 0.5	4	15	18	3.68	10	< 1	0.06	40	0.20	305
VR 30134 A	216	202	< 5	0.2	1.16	16	30	< 0.5	< 2	0.02	< 0.5	4	18	15	3.99	10	< 1	0.06	40	0.22	255
VR 30135 A	216	202	< 5	< 0.2	1.16	16	40	< 0.5	< 2	0.01	< 0.5	6	17	17	3.88	10	< 1	0.07	40	0.23	225
VR 30136 A	216	202	< 5	< 0.2	1.00	18	40	< 0.5	< 2	0.01	< 0.5	5	14	17	3.19	10	< 1	0.08	40	0.21	220
VR 30137 A	216	202	< 5	< 0.2	0.91	6	40	< 0.5	< 2	0.01	< 0.5	3	11	14	2.15	10	< 1	0.08	40	0.18	110
VR 30138 A	216	202	< 5	< 0.2	0.99	6	40	< 0.5	< 2	0.02	< 0.5	4	16	17	3.91	10	< 1	0.07	40	0.14	225
VR 30139 A	216	202	< 5	< 0.2	1.22	8	70	< 0.5	< 2	0.03	< 0.5	8	21	28	4.37	10	< 1	0.10	40	0.23	360
VR 30140 A	216	202	< 5	0.2	1.14	6	90	< 0.5	< 2	0.03	< 0.5	2	17	10	2.47	10	< 1	0.10	40	0.15	115
VR 30141 A	216	202	< 5	< 0.2	0.87	2	100	< 0.5	< 2	0.02	< 0.5	3	17	14	3.60	10	< 1	0.09	40	0.09	350
VR 30142 A	216	202	< 5	< 0.2	1.14	8	90	< 0.5	< 2	0.03	< 0.5	4	21	16	3.48	10	< 1	0.10	30	0.21	160
VR 30143 A	216	202	< 5	0.2	0.92	8	60	< 0.5	< 2	0.03	< 0.5	5	16	16	3.03	10	< 1	0.08	30	0.17	320
VR 30144 A	216	202	< 5	< 0.2	0.92	6	70	< 0.5	2	0.02	< 0.5	6	15	20	5.87	10	< 1	0.06	30	0.12	770
VR 30145 A	216	202	< 5	< 0.2	0.55	4	40	< 0.5	< 2	0.03	< 0.5	3	10	10	1.41	10	1	0.06	40	0.05	155
VR 30146 A	216	202	< 5	< 0.2	1.30	< 2	70	< 0.5	< 2	0.04	< 0.5	4	20	16	4.18	10	< 1	0.09	30	0.17	165
VR 30147 A	216	202	< 5	0.2	1.14	6	50	< 0.5	< 2	0.02	< 0.5	2	19	11	3.55	10	< 1	0.07	30	0.14	190
VR 30148 A	216	202	< 5	0.8	1.20	40	1290	< 0.5	< 2	0.02	< 0.5	2	16	20	2.61	< 10	< 1	0.08	20	0.06	270
VR 30149 A	216	202	< 5	0.2	0.80	16	160	< 0.5	< 2	0.03	< 0.5	1	14	19	3.03	10	< 1	0.06	40	0.06	100
VR 30150 A	216	202	< 5	< 0.2	1.13	4	50	< 0.5	< 2	0.03	< 0.5	5	19	18	4.17	< 10	< 1	0.07	30	0.17	160
VR 30155 A	216	202	< 5	< 0.2	1.32	4	60	< 0.5	< 2	0.03	< 0.5	14	20	19	3.10	10	1	0.07	40	0.34	375
VR 30156 A	216	202	< 5	< 0.2	1.05	< 2	40	< 0.5	< 2	0.03	< 0.5	4	15	8	1.81	10	< 1	0.06	50	0.26	155
VR 30157 A	216	202	< 5	0.2	1.45	< 2	60	< 0.5	< 2	0.06	< 0.5	4	19	15	2.19	10	< 1	0.05	40	0.22	85
VR 30158 A	216	202	< 5	< 0.2	1.44	8	100	< 0.5	< 2	0.13	< 0.5	8	24	12	2.75	10	1	0.07	40	0.34	195
VR 30159 A	216	202	< 5	< 0.2	1.43	4	60	< 0.5	< 2	0.05	< 0.5	4	19	13	2.18	10	1	0.06	40	0.25	145
VR 30160 A	216	202	< 5	< 0.2	1.21	8	50	< 0.5	4	0.06	< 0.5	7	23	17	3.24	< 10	1	0.04	30	0.34	180
VR 30161 A	216	202	< 5	0.2	1.72	16	90	< 0.5	2	0.06	< 0.5	8	34	22	3.46	< 10	< 1	0.04	30	0.28	250
VR 30162 A	216	202	< 5	< 0.2	0.94	18	30	< 0.5	< 2	0.02	< 0.5	4	18	9	2.57	< 10	< 1	0.03	30	0.24	80
VR 30163 A	216	202	< 5	< 0.2	1.09	12	40	< 0.5	< 2	0.02	< 0.5	4	18	13	3.37	< 10	< 1	0.03	30	0.23	110
VR 30164 A	216	202	< 5	< 0.2	0.93	10	30	< 0.5	< 2	0.02	< 0.5	6	16	15	3.65	< 10	< 1	0.03	30	0.24	195
VR 30165 A	216	202	< 5	< 0.2	0.84	6	30	< 0.5	< 2	0.03	< 0.5	3	15	12	2.85	10	< 1	0.04	30	0.12	305
VR 30166 A	216	202	< 5	< 0.2	0.74	16	20	< 0.5	2	0.02	< 0.5	2	10	3	1.84	10	< 1	0.03	40	0.07	55
VR 30167 A	216	202	< 5	< 0.2	1.03	22	20	< 0.5	< 2	0.02	< 0.5	6	20	46	6.78	< 10	< 1	0.03	30	0.26	170
VR 30168 A	216	202	< 5	< 0.2	1.07	8	30	< 0.5	< 2	0.03	< 0.5	5	19	18	5.40	10	< 1	0.04	40	0.21	295
VR 30169 A	216	202	< 5	0.2	1.19	< 2	30	< 0.5	< 2	0.03	< 0.5	6	19	17	4.55	10	< 1	0.04	30	0.17	340

CERTIFICATION:

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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 30130 A	216	202	1	< 0.01	23	690	20	< 2	1	7	0.01	< 10	< 10	23	10	62
VR 30131 A	216	202	1	< 0.01	12	640	12	2	< 1	6	0.01	< 10	< 10	25	< 10	38
VR 30132 A	216	202	< 1	< 0.01	20	570	20	2	1	6	0.01	< 10	< 10	22	< 10	58
VR 30133 A	216	202	1	< 0.01	14	780	12	2	< 1	3	< 0.01	< 10	< 10	16	< 10	40
VR 30134 A	216	202	< 1	< 0.01	12	620	14	4	1	4	0.01	< 10	< 10	20	< 10	40
VR 30135 A	216	202	< 1	< 0.01	15	670	20	< 2	1	3	< 0.01	< 10	< 10	16	< 10	42
VR 30136 A	216	202	< 1	< 0.01	15	550	18	2	1	3	< 0.01	< 10	< 10	14	< 10	48
VR 30137 A	216	202	< 1	< 0.01	10	670	12	< 2	< 1	4	< 0.01	10	< 10	14	< 10	32
VR 30138 A	216	202	2	< 0.01	14	670	22	2	1	4	0.01	< 10	< 10	21	< 10	40
VR 30139 A	216	202	1	< 0.01	26	820	28	4	1	6	0.01	< 10	< 10	21	< 10	58
VR 30140 A	216	202	1	< 0.01	8	570	16	2	1	10	0.01	10	< 10	21	< 10	32
VR 30141 A	216	202	5	< 0.01	10	1010	38	4	< 1	23	0.01	10	< 10	31	< 10	40
VR 30142 A	216	202	1	< 0.01	14	1040	26	2	1	7	0.01	< 10	< 10	25	< 10	44
VR 30143 A	216	202	1	< 0.01	13	740	20	< 2	< 1	8	0.01	< 10	< 10	28	< 10	38
VR 30144 A	216	202	4	< 0.01	22	1390	20	2	1	11	0.01	< 10	< 10	24	< 10	60
VR 30145 A	216	202	< 1	< 0.01	10	410	16	< 2	< 1	9	0.01	10	< 10	25	< 10	26
VR 30146 A	216	202	2	< 0.01	14	670	16	6	1	6	0.01	< 10	< 10	32	< 10	42
VR 30147 A	216	202	1	< 0.01	7	550	16	< 2	1	5	0.02	< 10	< 10	29	< 10	26
VR 30148 A	216	202	5	< 0.01	7	1260	66	4	< 1	16	0.01	< 10	< 10	34	< 10	18
VR 30149 A	216	202	4	< 0.01	8	590	142	< 2	1	9	0.02	< 10	< 10	30	< 10	30
VR 30150 A	216	202	1	< 0.01	12	500	46	< 2	1	4	0.01	< 10	< 10	31	< 10	40
VR 30155 A	216	202	1	< 0.01	20	480	22	2	1	4	0.01	< 10	< 10	18	< 10	60
VR 30156 A	216	202	1	< 0.01	9	320	14	2	1	5	0.01	10	< 10	14	< 10	32
VR 30157 A	216	202	< 1	< 0.01	13	380	18	< 2	1	7	0.02	10	< 10	24	< 10	36
VR 30158 A	216	202	1	< 0.01	24	720	20	< 2	2	12	0.02	< 10	< 10	24	< 10	86
VR 30159 A	216	202	1	< 0.01	11	390	16	< 2	1	7	0.03	< 10	< 10	23	< 10	42
VR 30160 A	216	202	1	< 0.01	17	420	10	< 2	1	4	0.04	< 10	< 10	24	< 10	54
VR 30161 A	216	202	1	< 0.01	20	590	22	2	1	6	0.02	< 10	< 10	21	< 10	66
VR 30162 A	216	202	1	< 0.01	12	500	6	2	< 1	3	0.01	< 10	< 10	18	< 10	32
VR 30163 A	216	202	2	< 0.01	11	430	16	< 2	< 1	3	0.01	< 10	< 10	23	< 10	38
VR 30164 A	216	202	< 1	< 0.01	13	660	14	2	< 1	3	< 0.01	< 10	< 10	11	< 10	46
VR 30165 A	216	202	1	< 0.01	7	980	14	< 2	< 1	4	0.01	< 10	< 10	26	< 10	24
VR 30166 A	216	202	< 1	< 0.01	4	810	12	< 2	< 1	4	< 0.01	< 10	< 10	17	< 10	10
VR 30167 A	216	202	1	< 0.01	15	1270	18	2	1	3	< 0.01	< 10	< 10	15	< 10	60
VR 30168 A	216	202	1	< 0.01	13	2740	24	< 2	1	5	0.01	< 10	< 10	44	< 10	42
VR 30169 A	216	202	1	< 0.01	10	1240	20	< 2	< 1	4	< 0.01	< 10	< 10	24	< 10	36

CERTIFICATION: [signature]

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: .ENNECOTT CANADA INC. **

354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIS / DARWIN GREEN

Certificate Date: 22-SEP-95
Invoice No. : I9527990
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9527990

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 30170 A	216	202	< 5	< 0.2	0.86	14	30	< 0.5	< 2	0.04	< 0.5	7	15	15	3.45	10	< 1	0.05	40	0.10	515
VR 30171 A	216	202	< 5	< 0.2	1.02	10	30	< 0.5	< 2	0.02	< 0.5	8	16	21	3.54	10	< 1	0.05	40	0.15	755
VR 30172 A	216	202	< 5	0.2	0.91	4	30	< 0.5	< 2	0.02	0.5	10	22	33	5.05	10	< 1	0.06	40	0.17	670
VR 30173 A	216	202	< 5	< 0.2	1.00	8	30	< 0.5	2	0.02	< 0.5	4	15	15	3.22	10	< 1	0.03	50	0.11	290
VR 30174 A	216	202	< 5	< 0.2	0.55	8	10	< 0.5	< 2	0.01	< 0.5	2	7	5	0.89	10	< 1	0.03	60	0.02	35
VR 30175 A	216	202	< 5	< 0.2	0.72	2	20	< 0.5	< 2	0.01	< 0.5	1	11	8	1.24	10	< 1	0.04	60	0.02	50
VR 30176 A	216	202	< 5	< 0.2	0.89	10	20	< 0.5	< 2	0.01	< 0.5	5	13	22	4.74	< 10	< 1	0.04	30	0.10	280
VR 30177 A	216	202	< 5	< 0.2	1.26	20	40	< 0.5	< 2	0.03	< 0.5	4	17	20	5.73	10	< 1	0.04	40	0.12	160
VR 30178 A	216	202	< 5	< 0.2	1.08	8	30	< 0.5	< 2	0.01	< 0.5	4	10	9	2.57	10	< 1	0.04	50	0.08	140
VR 30179 A	216	202	< 5	0.4	1.17	< 2	100	< 0.5	2	0.04	< 0.5	5	13	11	2.39	10	< 1	0.04	60	0.12	520
VR 30180 A	216	202	< 5	< 0.2	0.83	14	20	< 0.5	6	0.01	< 0.5	4	9	14	3.21	< 10	< 1	0.02	40	0.10	85
VR 30181 A	216	202	< 5	0.4	1.46	< 2	40	< 0.5	< 2	0.01	< 0.5	3	14	21	2.83	< 10	< 1	0.04	30	0.09	130
VR 30182 A	216	202	< 5	< 0.2	0.98	10	10	< 0.5	< 2	0.01	< 0.5	2	17	16	4.33	< 10	< 1	0.02	30	0.14	100
VR 30183 A	216	202	< 5	< 0.2	1.37	20	30	< 0.5	< 2	0.01	< 0.5	4	13	13	3.55	10	1	0.03	50	0.09	105
VR 30184 A	216	202	< 5	< 0.2	1.32	2	20	< 0.5	2	0.02	< 0.5	4	18	16	4.84	10	< 1	0.04	40	0.23	125
VR 30185 A	216	202	< 5	< 0.2	1.18	6	20	< 0.5	< 2	0.03	< 0.5	5	13	16	3.84	10	< 1	0.04	60	0.16	135
VR 30186 A	216	202	< 5	< 0.2	1.83	12	40	< 0.5	< 2	0.03	< 0.5	18	26	64	7.92	10	< 1	0.05	30	0.41	525
VR 30187 A	216	202	< 5	0.2	1.44	< 2	90	< 0.5	2	0.11	< 0.5	12	22	18	2.74	10	< 1	0.08	30	0.28	785
VR 30188 A	216	202	< 5	< 0.2	0.84	8	30	< 0.5	< 2	0.04	< 0.5	7	16	18	6.55	10	< 1	0.03	30	0.11	365
VR 30189 A	216	202	< 5	< 0.2	1.18	14	60	< 0.5	< 2	0.04	< 0.5	13	20	35	4.73	10	< 1	0.05	30	0.21	890
VR 30190 A	216	202	< 5	< 0.2	1.29	< 2	40	< 0.5	< 2	0.07	< 0.5	7	18	17	2.09	10	< 1	0.04	50	0.43	115
VR 30191 A	216	202	< 5	0.2	0.92	14	40	< 0.5	2	0.07	< 0.5	6	16	21	5.05	< 10	< 1	0.04	30	0.22	90
VR 30192 A	216	202	< 5	< 0.2	1.15	< 2	40	< 0.5	2	0.07	< 0.5	4	19	12	3.46	10	< 1	0.05	20	0.24	185
VR 30193 A	216	202	< 5	< 0.2	1.01	< 2	30	< 0.5	< 2	0.04	< 0.5	7	14	21	4.37	10	< 1	0.03	30	0.31	125
VR 30194 A	216	202	< 5	0.2	0.70	8	30	< 0.5	< 2	0.04	< 0.5	4	10	10	2.15	10	< 1	0.03	30	0.07	85
VR 30195 A	216	202	< 5	< 0.2	1.35	14	40	< 0.5	< 2	0.05	< 0.5	10	21	18	5.66	10	< 1	0.04	30	0.33	285
VR 30196 A	216	202	< 5	< 0.2	1.06	18	60	< 0.5	4	0.04	< 0.5	6	17	13	3.14	10	< 1	0.06	40	0.16	210
VR 30197 A	216	202	< 5	< 0.2	1.26	20	90	< 0.5	< 2	0.25	< 0.5	11	17	16	3.40	10	< 1	0.07	40	0.19	605
VR 30198 A	216	202	< 5	< 0.2	0.76	22	50	< 0.5	< 2	0.06	< 0.5	4	11	16	4.11	10	< 1	0.04	50	0.07	125
VR 30199 A	216	202	< 5	0.4	1.03	< 2	60	< 0.5	< 2	0.11	< 0.5	6	14	14	2.33	10	< 1	0.06	40	0.21	235
VR 30200 A	216	202	< 5	< 0.2	1.07	6	50	< 0.5	< 2	0.11	< 0.5	15	18	20	3.65	10	< 1	0.06	40	0.28	425
VR 30201 A	216	202	< 5	< 0.2	1.85	< 2	140	< 0.5	4	0.06	< 0.5	21	35	34	4.51	10	3	0.10	40	0.39	1085
VR 30202 A	216	202	< 5	2.0	2.09	2	170	< 0.5	< 2	0.09	< 0.5	17	30	42	2.11	10	< 1	0.09	40	0.37	135
VR 30203 A	216	202	< 5	< 0.2	1.77	12	80	< 0.5	< 2	0.04	< 0.5	23	24	35	3.59	< 10	< 1	0.07	40	0.36	715
VR 30204 A	216	202	< 5	1.0	1.70	10	200	< 0.5	< 2	0.06	< 0.5	5	24	13	1.49	10	< 1	0.08	30	0.33	80
VR 30205 A	216	202	< 5	3.0	1.41	22	140	< 0.5	< 2	0.05	< 0.5	9	20	29	5.89	< 10	< 1	0.07	30	0.17	250
VR 30206 A	216	202	< 5	2.0	2.32	22	340	< 0.5	< 2	0.09	< 0.5	24	41	47	12.05	< 10	< 1	0.05	20	0.29	595
VR 30207 A	216	202	< 5	2.0	4.54	2	210	< 0.5	< 2	0.09	< 0.5	89	36	131	3.86	< 10	< 1	0.07	20	0.33	1805
VR 30208 A	216	202	< 5	< 0.2	2.68	14	260	< 0.5	< 2	0.10	1.0	44	37	40	10.80	10	< 1	0.11	30	0.44	1200
VR 30209 A	216	202	< 5	1.2	2.23	14	310	< 0.5	< 2	0.15	< 0.5	16	42	21	4.31	10	< 1	0.06	30	0.37	390

CERTIFICATION:

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Analytical Chemists * Geochemists * Registered Assayers
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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: ENNECOTT CANADA INC.
354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIS / DARWIN GREEN

Certificate Date: 22-SEP-95
Invoice No. : I9527990
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CERTIFICATE OF ANALYSIS A9527990

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 30170 A	216	202	1	< 0.01	11	810	8	< 2	< 1	7	0.01	< 10	< 10	28	< 10	36
VR 30171 A	216	202	1	< 0.01	12	1030	16	2	< 1	5	< 0.01	< 10	< 10	22	< 10	38
VR 30172 A	216	202	2	< 0.01	20	1350	20	< 2	1	7	0.01	< 10	< 10	22	< 10	64
VR 30173 A	216	202	2	< 0.01	10	680	8	2	1	4	< 0.01	< 10	< 10	19	< 10	30
VR 30174 A	216	202	< 1	< 0.01	4	190	< 2	< 2	< 1	4	< 0.01	10	< 10	12	< 10	12
VR 30175 A	216	202	1	< 0.01	7	320	< 2	< 2	< 1	4	< 0.01	10	< 10	15	< 10	16
VR 30176 A	216	202	1	< 0.01	16	950	20	4	1	3	< 0.01	< 10	< 10	11	< 10	44
VR 30177 A	216	202	1	< 0.01	10	590	16	< 2	1	4	0.01	< 10	< 10	32	< 10	46
VR 30178 A	216	202	2	< 0.01	8	310	< 2	< 2	< 1	4	< 0.01	< 10	< 10	12	< 10	28
VR 30179 A	216	202	1	< 0.01	8	490	4	< 2	1	8	0.01	10	< 10	20	< 10	52
VR 30180 A	216	202	1	< 0.01	8	430	12	2	< 1	3	< 0.01	< 10	< 10	11	< 10	32
VR 30181 A	216	202	1	< 0.01	6	380	10	< 2	1	2	< 0.01	< 10	< 10	11	< 10	24
VR 30182 A	216	202	1	< 0.01	10	580	6	< 2	< 1	2	< 0.01	< 10	< 10	17	< 10	30
VR 30183 A	216	202	1	< 0.01	8	390	10	< 2	1	4	0.01	< 10	< 10	17	< 10	28
VR 30184 A	216	202	2	< 0.01	9	740	14	2	1	4	0.01	< 10	< 10	27	< 10	42
VR 30185 A	216	202	2	< 0.01	9	500	4	4	1	5	< 0.01	10	< 10	20	< 10	38
VR 30186 A	216	202	3	< 0.01	44	1080	36	6	1	3	< 0.01	< 10	< 10	16	< 10	92
VR 30187 A	216	202	< 1	< 0.01	17	790	42	< 2	1	14	0.01	< 10	< 10	21	< 10	66
VR 30188 A	216	202	1	< 0.01	13	1060	20	4	1	5	0.01	< 10	< 10	26	< 10	58
VR 30189 A	216	202	1	< 0.01	23	580	14	4	1	8	0.02	< 10	< 10	28	< 10	84
VR 30190 A	216	202	< 1	< 0.01	26	480	14	2	1	8	< 0.01	< 10	< 10	11	< 10	70
VR 30191 A	216	202	1	< 0.01	15	700	16	2	< 1	6	< 0.01	< 10	< 10	12	< 10	48
VR 30192 A	216	202	< 1	< 0.01	10	600	6	< 2	< 1	5	< 0.01	< 10	< 10	19	< 10	48
VR 30193 A	216	202	< 1	< 0.01	18	560	10	6	< 1	3	< 0.01	< 10	< 10	16	< 10	56
VR 30194 A	216	202	< 1	< 0.01	8	330	< 2	< 2	< 1	4	< 0.01	< 10	< 10	17	< 10	24
VR 30195 A	216	202	1	< 0.01	19	550	22	6	1	6	0.01	< 10	< 10	24	< 10	88
VR 30196 A	216	202	< 1	< 0.01	16	560	18	< 2	1	8	0.01	< 10	< 10	17	< 10	56
VR 30197 A	216	202	< 1	< 0.01	18	710	18	< 2	1	21	0.01	< 10	< 10	21	< 10	80
VR 30198 A	216	202	< 1	< 0.01	11	380	14	< 2	1	6	< 0.01	< 10	< 10	16	< 10	46
VR 30199 A	216	202	< 1	< 0.01	14	730	22	< 2	1	11	< 0.01	10	< 10	12	< 10	50
VR 30200 A	216	202	< 1	< 0.01	22	460	18	2	1	11	0.01	< 10	< 10	17	< 10	62
VR 30201 A	216	202	3	< 0.01	42	530	22	2	3	8	0.03	< 10	< 10	35	< 10	104
VR 30202 A	216	202	1	< 0.01	53	480	26	2	2	10	0.02	< 10	< 10	24	< 10	110
VR 30203 A	216	202	2	< 0.01	79	430	12	2	2	6	0.01	< 10	< 10	18	< 10	146
VR 30204 A	216	202	< 1	< 0.01	23	370	28	< 2	1	9	0.02	< 10	< 10	17	< 10	56
VR 30205 A	216	202	10	< 0.01	22	980	28	4	1	12	0.01	< 10	< 10	22	< 10	78
VR 30206 A	216	202	5	< 0.01	32	900	34	6	3	10	0.04	< 10	< 10	43	< 10	224
VR 30207 A	216	202	1	< 0.01	94	740	16	4	8	8	0.04	< 10	< 10	34	< 10	166
VR 30208 A	216	202	1	< 0.01	119	500	8	6	9	9	0.06	< 10	< 10	40	< 10	502
VR 30209 A	216	202	2	< 0.01	28	450	12	2	3	9	0.10	< 10	< 10	60	< 10	116

CERTIFICATION:

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To: .ENNECOTT CANADA INC. **

354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
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CERTIFICATE OF ANALYSIS A9527990

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 30210 A	216	202	< 5	< 0.2	1.73	< 2	220	< 0.5	4	0.11	< 0.5	8	40	21	5.33	10	< 1	0.07	30	0.28	295
VR 30211 A	216	202	< 5	< 0.2	0.86	2	190	< 0.5	< 2	0.13	< 0.5	8	21	13	3.05	10	< 1	0.07	40	0.16	625
VR 30212 A	216	202	< 5	0.4	1.16	< 2	160	< 0.5	2	0.09	< 0.5	7	27	17	3.40	10	< 1	0.05	40	0.24	225
VR 30213 A	216	202	< 5	< 0.2	1.66	6	130	< 0.5	< 2	0.07	< 0.5	12	30	27	3.98	10	< 1	0.06	40	0.40	375
VR 30214 A	216	202	< 5	0.2	1.62	< 2	80	< 0.5	< 2	0.07	< 0.5	10	35	24	4.77	10	< 1	0.06	40	0.32	295
VR 30215 A	216	202	< 5	< 0.2	1.12	2	30	< 0.5	4	0.02	< 0.5	4	19	18	5.36	10	< 1	0.03	40	0.13	180
VR 30216 A	216	202	< 5	< 0.2	0.94	< 2	100	< 0.5	2	0.11	< 0.5	10	18	36	5.07	10	< 1	0.06	40	0.18	225
VR 30217 A	216	202	< 5	< 0.2	1.04	8	50	< 0.5	< 2	0.04	< 0.5	10	14	42	6.13	10	< 1	0.03	50	0.18	145
VR 30227 A	216	202	< 5	0.6	1.28	22	60	< 0.5	2	0.30	< 0.5	13	19	21	3.84	10	< 1	0.07	40	0.37	595
VR 30228 A	216	202	< 5	0.2	1.71	< 2	70	< 0.5	< 2	0.28	< 0.5	11	22	20	3.75	10	< 1	0.08	40	0.50	330
VR 30229 A	216	202	< 5	< 0.2	1.33	6	70	< 0.5	6	0.04	< 0.5	11	16	18	3.43	10	< 1	0.06	30	0.23	415
VR 30230 A	216	202	< 5	0.2	2.44	2	130	< 0.5	< 2	0.11	< 0.5	9	146	42	3.11	< 10	< 1	0.02	20	0.66	280

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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 30210 A	216	202	3	< 0.01	21	500	12	< 2	2	9	0.07	< 10	< 10	66	< 10	96
VR 30211 A	216	202	1	< 0.01	13	450	8	2	1	9	0.04	10	< 10	44	< 10	48
VR 30212 A	216	202	< 1	< 0.01	19	410	12	4	1	7	0.04	< 10	< 10	35	< 10	52
VR 30213 A	216	202	1	< 0.01	25	630	10	< 2	2	7	0.03	< 10	< 10	33	< 10	86
VR 30214 A	216	202	1	< 0.01	25	660	12	2	2	7	0.03	< 10	< 10	36	< 10	68
VR 30215 A	216	202	1	< 0.01	11	750	16	4	1	3	0.01	< 10	< 10	29	< 10	38
VR 30216 A	216	202	1	< 0.01	24	840	16	< 2	1	9	< 0.01	< 10	< 10	15	< 10	74
VR 30217 A	216	202	1	< 0.01	24	770	18	2	1	6	< 0.01	< 10	< 10	16	< 10	70
VR 30227 A	216	202	1	< 0.01	25	940	38	4	2	30	0.01	< 10	< 10	19	< 10	70
VR 30228 A	216	202	< 1	< 0.01	23	760	20	2	2	28	0.01	< 10	< 10	22	< 10	76
VR 30229 A	216	202	2	< 0.01	15	570	18	< 2	1	6	< 0.01	< 10	< 10	22	< 10	56
VR 30230 A	216	202	< 1	< 0.01	42	760	14	< 2	8	20	0.18	< 10	< 10	67	< 10	76

CERTIFICATION: ________

APPENDIX D

ANALYTICAL RESULTS FOR DRAINAGE SAMPLES

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: NNECOTT CANADA INC.

354 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIES / DARWIN GREEN

Page Number :
Total Pages :
Certificate Date: 20-SEP-95
Invoice No. : 19528010
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9528010

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
VR 20077A-150	216	285	235	< 0.2	3.67	630	< 0.5	6	0.94	< 0.5	14	50	31	3.26	0.87	0.48
VR 20078A-150	216	285	40	0.6	3.78	440	< 0.5	2	0.46	0.5	41	68	79	8.21	1.13	0.59
VR 20079A-150	216	285	10	0.4	4.70	2180	< 0.5	2	0.45	< 0.5	17	113	37	3.70	1.17	0.81
VR 20080A-150	216	285	< 5	< 0.2	5.55	2080	< 0.5	< 2	0.29	0.5	23	68	23	3.52	1.64	0.68
VR 20081A-150	216	285	< 5	< 0.2	6.10	940	< 0.5	< 2	0.40	0.5	22	108	30	4.46	1.46	1.05

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Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIES / DARWIN GREEN

Page Number 3
Total Pages :1
Certificate Date: 20-SEP-95
Invoice No. : I9528010
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9528010

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	W ppm		
VR 20077A-150	216	285	580	1	0.80	28	710	64	115	0.41	64	< 10	82	3		
VR 20078A-150	216	285	940	2	0.41	95	740	70	72	0.16	84	< 10	164	4		
VR 20079A-150	216	285	695	2	0.51	60	780	38	75	0.22	112	< 10	126	3		
VR 20080A-150	216	285	2250	1	0.62	49	690	30	69	0.27	65	< 10	134	3		
VR 20081A-150	216	285	1195	1	0.78	80	880	36	101	0.20	117	< 10	146	4		

CERTIFICATION: Hart Bichler

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Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIS / DARWIN GREEN

Page Number
Total Pages
Certificate Date: 27-SEP-95
Invoice No. : I9528011
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9528011

SAMPLE	PREP CODE	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm
VR 20077A-150	299 3296	0.30	49.4	0.2	0.3	28.2	10	1.4	28.0	0.4	71
VR 20078A-150	299 3296	1.08	25.8	1.0	1.3	76.8	30	1.8	51.0	0.2	153
VR 20079A-150	299 3296	0.58	13.8	0.4	0.8	39.2	30	1.4	43.0	0.2	110
VR 20080A-150	299 3296	0.42	8.6	0.2	1.2	27.0	100	1.0	22.5	3.0	107
VR 20081A-150	299 3296	0.50	11.4	0.4	1.2	32.0	40	0.8	33.0	< 0.2	109

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Project : CARIBOO
Comments: ATTN: ERIC FINLAYSON CC: ANDREW DAVIES / DARWIN GREEN

Certificate Date: 22-SEP-95
Invoice No. : I9528009
P.O. Number : 50-504
Account : KAVW

CERTIFICATE OF ANALYSIS A9528009

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
VR 20077A-80	202	229	0.6	0.44	62	70	< 0.5	< 2	0.53	0.5	13	12	33	3.58	< 10	< 1	0.02	20	0.28	445	1
VR 20078A-80	202	229	0.4	0.55	28	90	< 0.5	< 2	0.28	0.5	34	14	68	7.24	< 10	< 1	0.02	10	0.65	730	< 1
VR 20079A-80	202	229	0.4	0.88	28	130	< 0.5	< 2	0.26	< 0.5	16	28	39	4.02	< 10	< 1	0.02	20	0.58	555	< 1
VR 20080A-80	202	229	< 0.2	0.72	10	1220	< 0.5	< 2	0.13	0.5	19	12	22	3.09	< 10	< 1	0.03	30	0.25	1475	< 1
VR 20081A-80	202	229	0.2	1.02	16	40	< 0.5	< 2	0.23	0.5	18	24	26	3.83	< 10	< 1	0.01	20	0.49	815	< 1

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CERTIFICATE OF ANALYSIS A9528009

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 20077A-80	202	229	< 0.01	29	450	74	< 2	2	23	0.02	< 10	< 10	17	< 10	96
VR 20078A-80	202	229	< 0.01	69	510	30	< 2	2	23	0.02	< 10	< 10	14	< 10	144
VR 20079A-80	202	229	< 0.01	55	560	12	< 2	3	18	0.04	< 10	< 10	28	< 10	120
VR 20080A-80	202	229	< 0.01	37	430	10	< 2	1	12	0.01	< 10	< 10	13	< 10	104
VR 20081A-80	202	229	< 0.01	65	580	16	< 2	3	20	< 0.01	< 10	< 10	26	< 10	122

CERTIFICATION:

APPENDIX E

DIGHEM V SURVEY EQUIPMENT

SURVEY EQUIPMENT

This section provides a brief description of the geophysical instruments used to acquire the survey data:

Electromagnetic System

Model:	DIGHEM^V
Type:	Towed bird, symmetric dipole configuration operated at a nominal survey altitude of 30 metres. Coil separation is 8 metres for 900 Hz, 5500 Hz and 7200 Hz, and 6.3 metres for the 56,000 Hz coil-pair.
Coil orientations/frequencies:	coaxial / 900 Hz coplanar / 900 Hz coaxial / 5,500 Hz coplanar / 7,200 Hz coplanar / 56,000 Hz
Channels recorded:	5 inphase channels 5 quadrature channels 2 monitor channels
Sensitivity:	0.06 ppm at 900 Hz 0.10 ppm at 5,500 Hz 0.10 ppm at 7,200 Hz 0.30 ppm at 56,000 Hz
Sample rate:	10 per second

The electromagnetic system utilizes a multi-coil coaxial/coplanar technique to energize conductors in different directions. The coaxial coils are vertical with their axes in the flight direction. The coplanar coils are horizontal. The secondary fields are sensed simultaneously by means of receiver coils which are maximum coupled to their respective transmitter coils. The system yields an inphase and a quadrature channel from each transmitter-receiver coil-pair.

Magnetometer

Model:	Picodas 3340
Type:	Optically pumped Cesium vapour
Sensitivity:	0.01 nT
Sample rate:	10 per second

The magnetometer sensor is towed in a bird 20 m below the helicopter.

Magnetic Base Station

Model:	GSM-19T
Type:	Digital recording proton precession
Sensitivity:	0.20 nT
Sample rate:	3 seconds

A digital recorder is operated in conjunction with the base station magnetometer to record the diurnal variations of the earth's magnetic field. The clock of the base station is synchronized with that of the airborne system to permit subsequent removal of diurnal drift.

Spectrometer

Manufacturer:	Exploranium
Model:	GR-820
Type:	256 Multichannel, Potassium stabilized
Accuracy:	1 count/sec.
Update:	1 integrated sample/sec.

The GR-820 Airborne Spectrometer employs four downward looking crystals (1024 cu. in.) and one upward looking crystal (256 cu. in.). The downward crystal records the radiometric spectrum from 410 KeV to 3 MeV over 256 discrete energy windows, as well as a cosmic ray channel which detects photons with energy levels above 3.0 MeV. From these 256 channels, the standard Total Count, Potassium, Uranium and Thorium channels are extracted. The upward crystal is used to measure and correct for Radon.

The shock-protected Sodium Iodide (Thallium) crystal package is unheated, and is automatically stabilized with respect to the Potassium peak. The GR-820 provides raw or Compton stripped data which has been automatically corrected for gain, base level, ADC offset and dead time.

VLF System

Manufacturer:	Herz Industries Ltd.	
Type:	Totem-2A	
Sensitivity:	0.1%	
Stations:	Seattle, Washington;	NLK, 24.8 kHz
	Cutler, Maine;	NAA, 24.0 kHz

The VLF receiver measures the total field and vertical quadrature components of the secondary VLF field. Signals from two separate transmitters can be measured simultaneously. The VLF sensor is housed in the same bird as the magnetic sensor, and is towed 20 m below the helicopter.

Radar Altimeter

Manufacturer:	Honeywell/Sperry
Type:	AA 220
Sensitivity:	0.3 m

The radar altimeter measures the vertical distance between the helicopter and the ground. This information is used in the processing algorithm which determines conductor depth.

Analog Recorder

Manufacturer:	RMS Instruments
Type:	DGR33 dot-matrix graphics recorder
Resolution:	4x4 dots/mm
Speed:	1.5 mm/sec

The analog profiles are recorded on chart paper in the aircraft during the survey. Table 2-1 lists the geophysical data channels and the vertical scale of each profile.

Table 2-1. The Analog Profiles

Channel Name	Parameter	Scale units/mm	Designation on digital profile
1X9I	coaxial inphase (900 Hz)	2.5 ppm	CXI (900 Hz)
1X9Q	coaxial quad (900 Hz)	2.5 ppm	CXQ (900 Hz)
3P4I	coplanar inphase (900 Hz)	2.5 ppm	CPI (900 Hz)
3P4Q	coplanar quad (900 Hz)	2.5 ppm	CPQ (900 Hz)
2P7I	coplanar inphase (7200 Hz)	5 ppm	CPI (7200 Hz)
2P7Q	coplanar quad (7200 Hz)	5 ppm	CPQ (7200 Hz)
4X7I	coaxial inphase (5500 Hz)	5 ppm	CXI (5500 Hz)
4X7Q	coaxial quad (5500 Hz)	5 ppm	CXQ (5500 Hz)
5P5I	coplanar inphase (56000 Hz)	10 ppm	CPI (56 kHz)
5P5Q	coplanar quad (56000 Hz)	10 ppm	CPQ (56 kHz)
ALTR	altimeter	3 m	ALT
MAGC	magnetics, coarse	20 nT	MAG
MAGF	magnetics, fine	2.0 nT	
VF1T	VLF-total: primary stn.	2%	
VF1Q	VLF-quad: primary stn.	2%	
VF2T	VLF-total: secondary stn.	2%	
VF2Q	VLF-quad: secondary stn.	2%	
CXSP	coaxial spherics monitor		
CPSP	coplanar spherics monitor		CPS
CXPL	coaxial powerline monitor		CXP
CPPL	coplanar powerline monitor		CPP
4XSP	coaxial spherics monitor		4XS
TC	radiometrics-Total Count	200 cps	TC
K	radiometrics-Potassium count	20 cps	K
TH	radiometrics-Thorium count	2 cps	TH
U	radiometrics-Uranium count	2 cps	U

Table 2-2. The Digital Profiles

Channel Name (Freq)		Observed parameters	Scale units/mm
MAG		magnetics	5 nT
ALT		bird height	6 m
CXI	(900 Hz)	vertical coaxial coil-pair inphase	2 ppm
CXQ	(900 Hz)	vertical coaxial coil-pair quadrature	2 ppm
CPI	(900 Hz)	horizontal coplanar coil-pair inphase	2 ppm
CPQ	(900 Hz)	horizontal coplanar coil-pair quadrature	2 ppm
CXI	(5500 Hz)	vertical coaxial coil-pair inphase	4 ppm
CXQ	(5500 Hz)	vertical coaxial coil-pair quadrature	4 ppm
CPI	(7200 Hz)	horizontal coplanar coil-pair inphase	4 ppm
CPQ	(7200 Hz)	horizontal coplanar coil-pair quadrature	4 ppm
CPI	(56 kHz)	horizontal coplanar coil-pair inphase	10 ppm
CPQ	(56 kHz)	horizontal coplanar coil-pair quadrature	10 ppm
4XS		coaxial spherics monitor	
CXP		coaxial powerline monitor	
CPS		coplanar spherics monitor	
CPP		coplanar powerline monitor	
TC		radiometrics-Total Count	20 cps
K		radiometrics-Potassium count	5 cps
TH		radiometrics-Thorium count	2 cps
U		radiometrics-Uranium count	2 cps
		Computed Parameters	
DFI	(900 Hz)	difference function inphase from CXI and CPI	2 ppm
DFQ	(900 Hz)	difference function quadrature from CXQ and CPQ	2 ppm
RES	(900 Hz)	log resistivity	.06 decade
RES	(7200 Hz)	log resistivity	.06 decade
RES	(56 kHz)	log resistivity	.06 decade
DP	(900 Hz)	apparent depth	6 m
DP	(7200 Hz)	apparent depth	6 m
DP	(56 kHz)	apparent depth	6 m
CDT		conductance	1 grade

Digital Data Acquisition System

Manufacturer: RMS Instruments

Model: DGR 33

Recorder: RMS TCR-12, 6400 bpi, tape cartridge recorder

The digital data are used to generate several computed parameters. Both measured and computed parameters are plotted as "multi-channel stacked profiles" during data processing. These parameters are shown in Table 2-2. In Table 2-2, the log resistivity scale of 0.06 decade/mm means that the resistivity changes by an order of magnitude in 16.6 mm. The resistivities at 0, 33 and 67 mm up from the bottom of the digital profile are respectively 1, 100 and 10,000 ohm-m.

Tracking Camera

Type: Panasonic Video

Model: AG 2400/WVCD132

Fiducial numbers are recorded continuously and are displayed on the margin of each image. This procedure ensures accurate correlation of analog and digital data with respect to visible features on the ground.

Navigation System (RT-DGPS)

Model:	Sercel NR106, Real-time differential positioning
Type:	SPS (L1 band), 10-channel, C/A code, 1575.42 MHz.
Sensitivity:	-132 dBm, 0.5 second update
Accuracy:	< 5 metres in differential mode, ± 50 metres in S/A (non differential) mode

The Global Positioning System (GPS) is a line of sight, satellite navigation system which utilizes time-coded signals from at least four of the twenty-four NAVSTAR satellites. In the differential mode, two GPS receivers are used. The base station unit is used as a reference which transmits real-time corrections to the mobile unit in the aircraft, via a UHF radio datalink. The on-board system calculates the flight path of the helicopter while providing real-time guidance. The raw XYZ data are recorded for both receivers, thereby permitting post-survey processing for accuracies of approximately 5 metres.

Although the base station receiver is able to calculate its own latitude and longitude, a higher degree of accuracy can be obtained if the reference unit is established on a known benchmark or triangulation point. The GPS records data relative to the WGS84 ellipsoid, which is the basis of the revised North American Datum (NAD83).

Conversion software is used to transform the WGS84 coordinates to the system displayed on the base maps.

Field Workstation

Manufacturer:	Dighem
Model:	FWS: V2.65
Type:	80486 based P.C.

A portable PC-based field workstation is used at the survey base to verify data quality and completeness. Flight tapes are dumped to a hard drive to permit the creation of a database. This process allows the field operators to display both the positional (flight path) and geophysical data on a screen or printer.