ASSESSMENT REPORT ON THE 1993 GEOLOGICAL AND GEOCHEMICAL INVESTIGATION OF THE BRENDAN PROPERTY

Brendan 1-56 (YB35026-YB355081)

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

NTS MAPSHEET 105F/15 & 105F/16

Latitude: 61°52'N
Longitude: 132°32'W

Work Conducted: August 18,19, 1993

OWNER:
Cascade Pacific Explorations Ltd.
309-535 Howe Street
Vancouver, B.C.
V6C 2Z5

OPERATOR:
Kennecott Canada Inc.
354-200 Granville St.
Vancouver, B.C.
V6C 1S4

Prepared by: Roger Hulstein

March 22, 1994

SUMMARY

The Brendan property is located in the Watson Lake Mining District of Yukon Territory. The property consists of 56 mineral claims owned 100% by Cascade Pacific Explorations Ltd. The property is accessible by helicopter based 18 km to the north in Ross River. Previous work carried out from 1977 to 1979 consisted of geological mapping, soil geochemical surveys, trenching and three short diamond drill holes.

The Brendan property is a sedimentary-exhalative (sedex) lead-zinc-silver-barite exploration target. The property lies within the Cassiar Platform, a package of ancestral North American sedimentary rocks displaced some 450km northward by the dextral Tintina Fault located 10km northeast of the property. Ordovician to Mississippian clastics, impure carbonates and tuffs underlie the property. Lithologies are dominated by carbonaceous siltstones and silty limestones.

Two significant zinc-silver occurrences, the Angie and Ross showings, have been found to date. Mineralization at the Angie showing consists of disseminated and finely banded pellitoid sphalerite hosted by a black carbonaceous, non-calcareous shaly siltstone within a distinctive grey 20m thick limestone unit (named the Angie limestone). Rock sampling in 1993 returned up to 7.68% zinc and 108 g/t silver over a true width of 1.75m.

Exposure at the Ross showing, located three kilometres northwest of the Angie showing, was limited due to sloughed trenches. Host rocks are black carbonaceous argillite-mudstones. Grab and rock chip samples returned 3880 ppm zinc, 2.0 ppm silver and $>10{,}000$ ppm barium.

Geochemistry in 1993 was successful in detecting known mineralization and confirming previous zinc in soil anomalies. A new zinc in soil anomaly was located in the southwest corner of the property, on strike with the Ross showing. Soil geochemistry over the Angie showing returned a 150m wide zinc in soil anomaly (up to 4960 ppm). Immediately north of the Angie showing, 1993 soil geochemistry confirmed a previous zinc anomaly (>1060 ppm) that extends over an area in excess of 500m by 1000m.

Based on these results a program of geological mapping and geochemical sampling is warranted.

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1.0 INTRODUCTION

The Brendan 1-56 quartz claims were staked in 1993 by Cascade Pacific Explorations Ltd. The claims cover two small stratabound zinc-silver occurrences, the Angie and Ross showings, discovered by Welcome North Mines Ltd. in 1977. The property now consists of 56 claims and is herein after referred to as the "Brendan property". Kennecott Canada Inc. explored the property in 1993 under the "Quiet Lake Project" exploration agreement with Cascade Pacific Explorations Ltd.

Fieldwork in 1993 consisted of a reconnaissance-orientation soil geochemical survey, geological mapping and hand trenching over the Angie showing. The work was carried out by geologist K. Owerko and field assistants K. Carruthers and D. Munro of Archer, Cathro & Associates (1981) Limited; and geologist R. Hulstein of Kennecott Canada Inc.

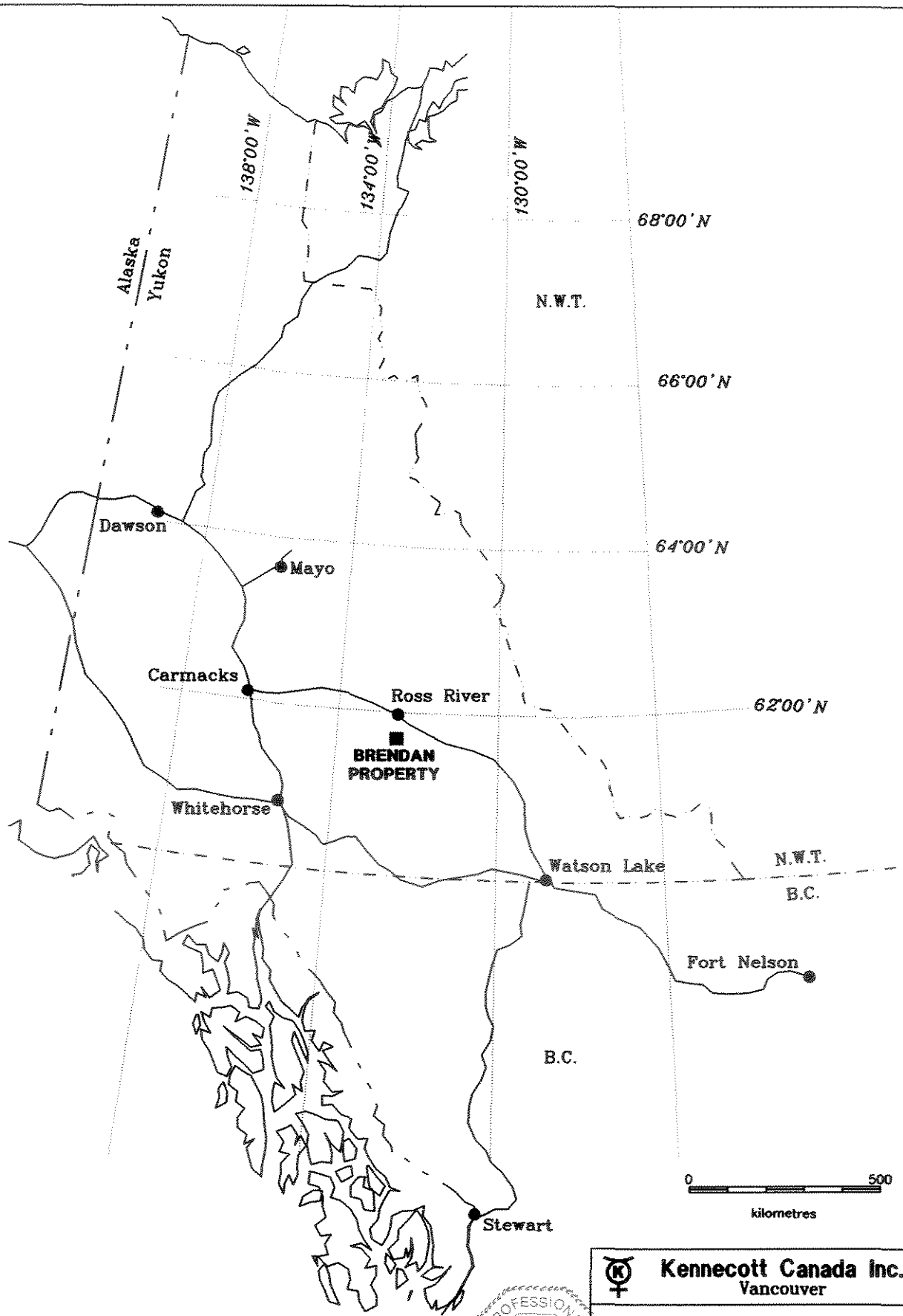
2.0 LOCATION, ACCESS AND TOPOGRAPHY

The Brendan property is located approximately 18km south of Ross River, Yukon (Figure 1). The property is located at 61°52'N latitude and 132°32'W longitude within NTS mapsheet 105F/15 and 105F/16.

Access to the property in 1993 was by helicopter based out of Ross River. Ross River is a small town of about 400 people approximately 360km by road from Whitehorse, Yukon which has daily jet service to southern Canada. An overgrown bulldozer trail leads to the Angie showing from the Robert Campbell Highway located approximately nine kilometres to the northeast of the property.

The Brendan property lies within the St. Cyr Range of the Pelly Mountains. The region was glaciated during the Pleistocene. The terrain is of rounded hills and ridges with scree covered slopes and narrow valleys. The Tintina Trench, a northwest trending valley in excess of 20km wide, and underlain by the Tintina Fault, lies 10km north of the property. Elevations on the property range between 1200m and 1800m.

Outcrop is less than 5% overall and is generally restricted to ridges and creeks with local exposures on steeper hillsides. Scree and felsenmeer cover the hillsides and colluvial material fills the valley bottoms. Soils consist of talus fines and colluvial deposits. Organic-rich clay (black muck) and soliflucted mineral soils are found on some north facing slopes. Permafrost is prevalent throughout the property, especially on north facing slopes.



Kennecott Canada Inc.
Vancouver

QUIET LAKE

BRENDAN PROPERTY
LOCATION

YUKON, CANADA

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R. W. HULSTEIN
GEOSCIENTIST

Mon 23, 1994

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Approximately one third of the property lies above treeline reached at about 1500m elevation. Vegetation in the valley consists of white and black spruce. Poplar grows on well drained south facing slopes. Ground cover above treeline consists of moss, alpine plants, buckbrush (alder), dwarf willow and alpine fir.

The climate of central Yukon is characterized by low precipitation and a wide temperature range. Winters are cold and temperatures of -30°C to -40°C are common. Summers are moderately cool, with daily highs of 15°C to 25°C. The property is generally snow-free from sometime in June to September.

3.0 PROPERTY STATUS

The Brendan property is located in the Watson Lake Mining District of Yukon Territory. The property consists of 56 two-post unsurveyed contiguous mineral claims staked under the Yukon Quartz Mining Act (Figure 2). The claims cover approximately 1134 hectares (2802 acres). Claim data are as follows:

Table 1 - List of Claims

Claim Name	Grant No.	Record. Date	Expiry Date*
Brendan 1-56	YB35026-81	Sept. 16, 1992	Sept. 16, 1995

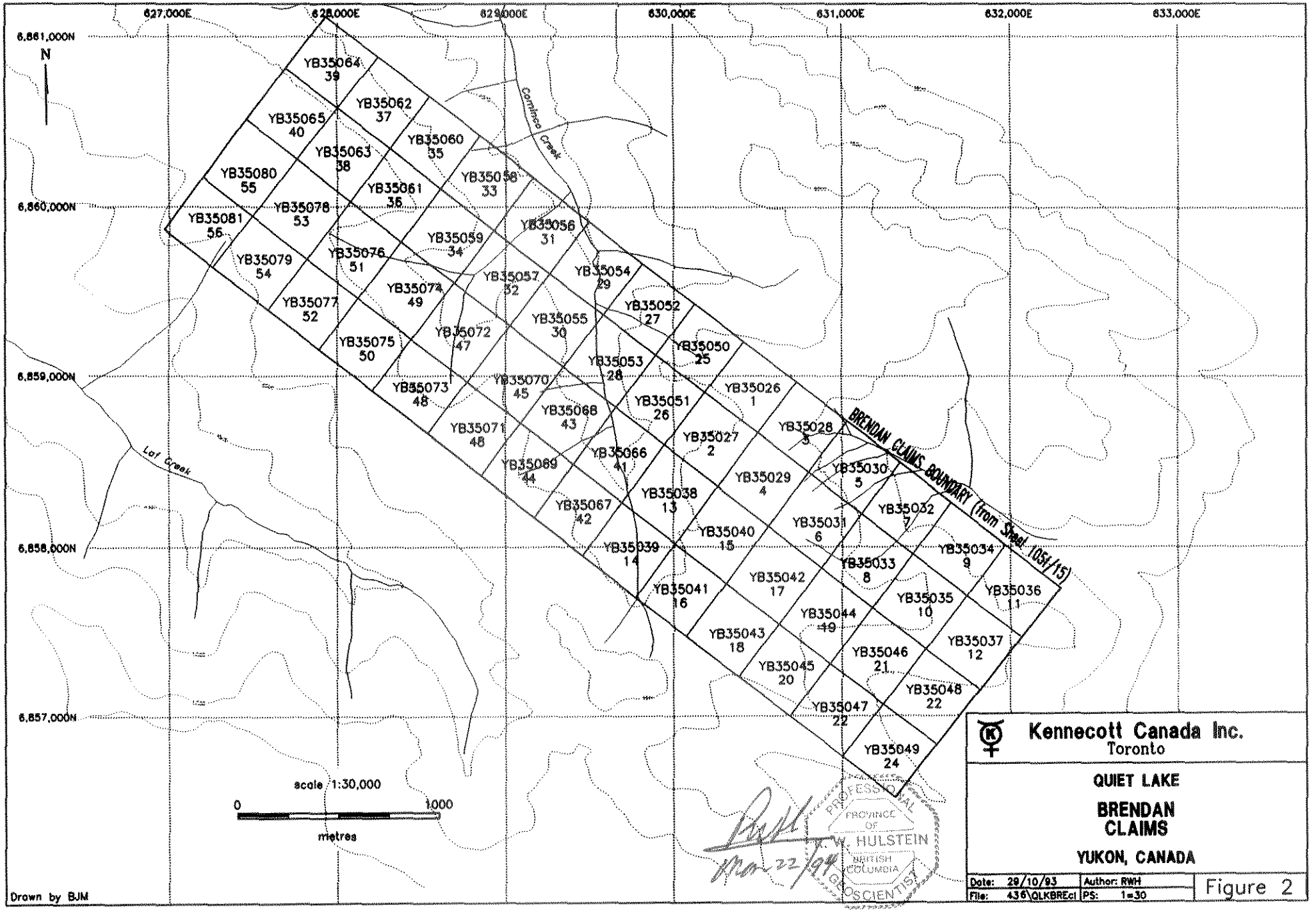
* Subject to approval of 1993 assessment work filed with this report.

The claims are owned 100% by Cascade Pacific Explorations Ltd. and are registered as such with the Watson Lake Mining Recorder. Kennecott Canada Inc. had an exploration agreement with Cascade Pacific Explorations Ltd. on the property, which was allowed to expire on November 30, 1993.

4.0 PREVIOUS EXPLORATION

In 1977 Getty Mining Pacific Ltd. and Welcome North Mines Ltd., operating together as the Woodside Joint Venture, initiated an exploration program for sedex lead-zinc-silver deposits in the Pelly Mountains. The discovery of significant mineral occurrences in the same year led to the staking of some 800 mineral claims including the ground now covered by the Brendan property. The Angie zinc-silver and Ross zinc-silver-barite showings were discovered at this time.

Exploration work in 1977 and 1978 consisted of geological mapping, soil geochemical surveys, rock sampling, hand trenching, plus bulldozer trenching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6,858,000N
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N
Cornbread Creek
Laf Creek
BRENDAN CLAIMS BOUNDARY (from Sheet 105I/15)
YB35064 39
YB35062 37
YB35065 40
YB35060 35
YB35063 38
YB35058 33
YB35080 55
YB35061 36
YB35078 53
YB35081 56
YB35059 34
YB35056 31
YB35079 54
YB35076 51
YB35057 32
YB35054 29
YB35074 49
YB35077 52
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Kennecott Canada Inc.
Toronto
QUIET LAKE
BRENDAN CLAIMS
YUKON, CANADA
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Figure 2
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R. W. HULSTEIN
GEOSCIENTIST
Mar 22/94

(Foster and Holland, 1979). In 1979 three short diamond drill holes totalling 238.3m tested the Angie showing. Results from the diamond drill program were disappointing with the best intersection being 2.01% zinc over 3.04 m. There is no record of any work being carried out since 1979.

The Angie and Ross showings were restaked by G. Seybold and B. Hall in 1992 for Cascade Pacific Explorations Ltd. Kennecott Canada Inc. examined the property on August 18 and 19, 1993 with a view to optioning the property. Kennecott Canada Inc. subsequently declined to enter into an option agreement.

5.0 GEOLOGY

5.1 Regional Geology

The property lies within the Cassiar Platform, part of the Ominica Belt (Wheeler and McFeely, 1991). The Cassiar Platform is a package of predominantly sedimentary rocks, belonging to ancestral North America, displaced some 450km northward during the Tertiary period by the dextral Tintina Fault (Tempelman-Kluit, 1981). The northwest trending Tintina Fault, located approximately 10km northeast of the Brendan property parallels the structural trend of the entire region. Regional geology has been mapped and compiled at a scale of 1:250,000 by Tempelman-Kluit (1977).

Oldest rocks of the Cassiar platform are Upper Proterozoic clastic continental margin sediments of the Windermere Group (Wheeler and McFeely, 1991). These are overlain by Upper Proterozoic to Lower Cambrian clastic, carbonate, and mafic tuffaceous rocks of the Ketza and Gog Groups. Calcareous shale with intercalated volcanics of the Cambrian-Devonian Kechika Group, passive continental margin sediments, in turn overlie the older rocks. Devonian-Carboniferous clastic and carbonate rocks, including units of the Earn Group assemblage, overlie the Kechika Group. Mississippian Earn Group rocks contain significant accumulations of intermediate and felsic volcanic rocks. The above lithologies are overlain disconformably by Upper Triassic calcareous siltstones (Tempelman-Kluit, 1981).

A similar package of rocks in the Kechika Trough located north of the Tintina Fault, 600km to the southeast of the Brendan property, host the Devonian-Mississippian Cirque deposit (Pigage, 1986).

Rocks in the immediate vicinity of the Brendan property range in age from Ordovician to Mississippian (Figure 3). Prospective rocks hosting the bulk of the known lead-zinc-silver-barite mineralization, on and in the area of the Brendan property, are Silurian to Devonian fine grained clastics and variably calcareous clastic rocks.

5.2 Property Geology

Property geology, shown on Figure 4, is drawn largely from Foster and Holland (1979). Foster and Holland (1979) divided the regional stratigraphic package into eight recognizable units, of which six are found on the property. These six units range in age from Ordovician to Carboniferous and have been further subdivided where possible (Tempelman-Kluit, 1977). In general stratigraphy trends northwest, dips moderately south, with older rocks exposed on the northeast side of the property. Generally lithologies young to the southwest although minor variations are found due to overturned folds and faulting.

The following lithological descriptions follow the format (including map unit numbers) used by Foster and Holland (1979). Unit 1, Cambrian-Ordovician biotitic shales and calcareous siltstones and unit 8, Carboniferous calcareous siltstones and silty limestones are not found on the property and therefore are not described further.

The oldest unit (map unit 2), exposed on the extreme northeast side of the property, consists of Ordovician-Silurian limonitic to black weathering, siliceous, graphitic and pyritic shales and slates. The unit is fissile and non-calcareous. Discontinuous quartz veins and quartz sweats are common. Fine disseminated pyrite is usually present in minor amounts although local pyrite content can be greater than 10% according to Foster and Holland (1979).

Unit 3, of Ordovician-Silurian age, conformably overlies unit 2. It is comprised of recessive grey to sooty black weathering grey to black siltstones and shales. They are weak to strongly calcareous, variably carbonaceous, and generally thin bedded to occasionally massive. Strongly carbonaceous or 'sooty' sections tend to be zinciferous (Foster and Holland, 1979). This unit was not examined in 1993.

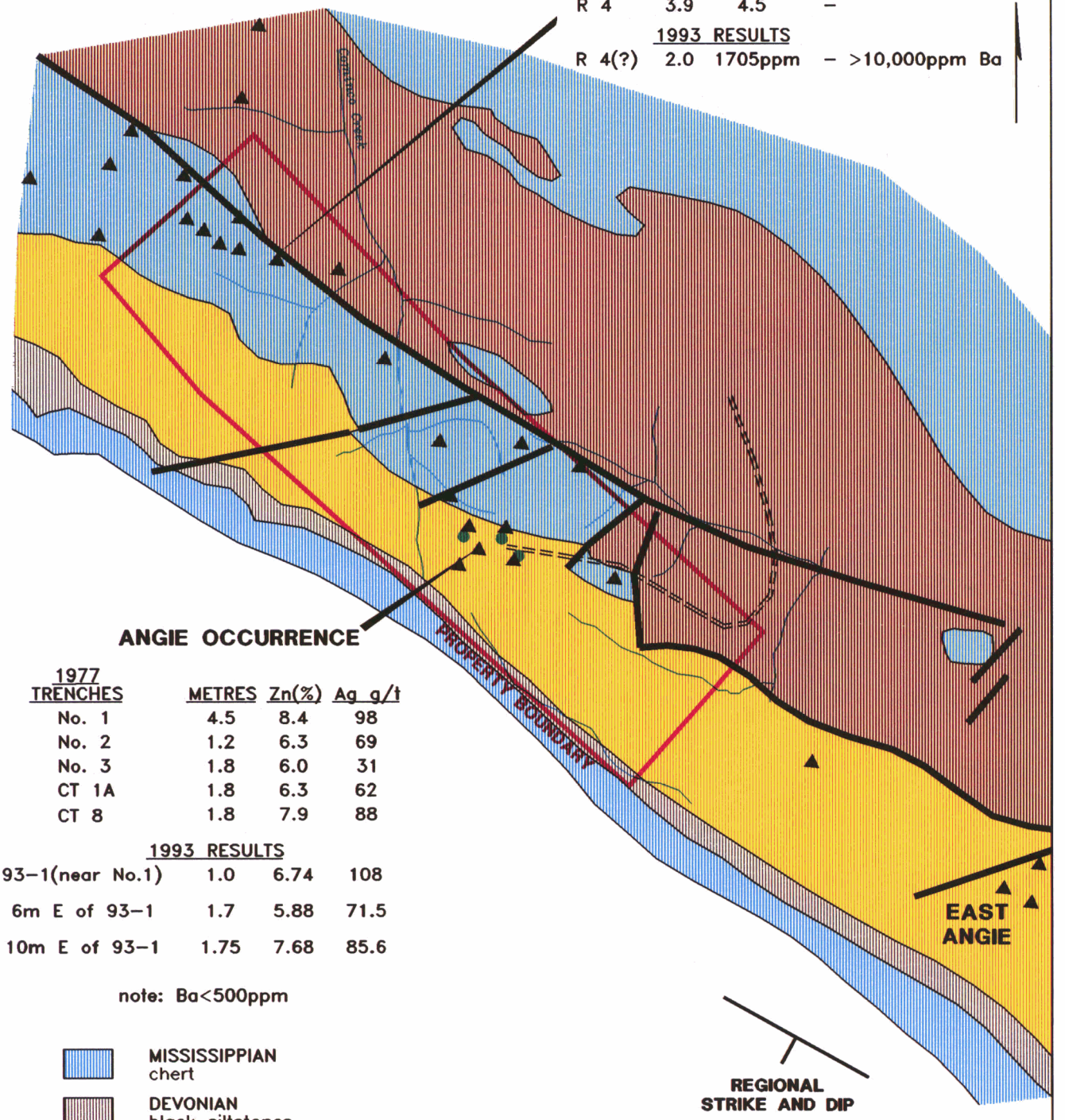
Unit 4 has been informally named the Mount Ross Quartzite by Foster and Holland (1979) after its exposures on Mount Ross. The Silurian-Devonian unit conformably overlies unit 3 and consists of a variable sequence of quartzite, dolomitic siltstones, calcareous siltstones and 'sooty' (carbonaceous) argillites postulated to be approximately 400m thick. Unit 4 has been partitioned into three sub-units which are described below.

MOUNT ROSS OCCURRENCE

1977 TRENCHES	METRES	Zn(%)	Ag g/t
R 4	3.9	4.5	–

1993 RESULTS			
R 4(?)	2.0	1705ppm	– >10,000ppm Ba

N



ANGIE OCCURRENCE

1977 TRENCHES	METRES	Zn(%)	Ag g/t
No. 1	4.5	8.4	98
No. 2	1.2	6.3	69
No. 3	1.8	6.0	31
CT 1A	1.8	6.3	62
CT 8	1.8	7.9	88

1993 RESULTS			
93–1(near No.1)	1.0	6.74	108
6m E of 93–1	1.7	5.88	71.5
10m E of 93–1	1.75	7.68	85.6

note: Ba<500ppm

REGIONAL STRIKE AND DIP

- MISSISSIPPIAN chert
- DEVONIAN black siltstones
- argillaceous limestone
- SILURIAN argillaceous limestone
- ORDOVICIAN black shales
- 1979 drill hole
- Zn–Ag mineral showing
- fault
- road

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metres

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BRENDAN PROPERTY
REGIONAL GEOLOGY

YUKON, CANADA

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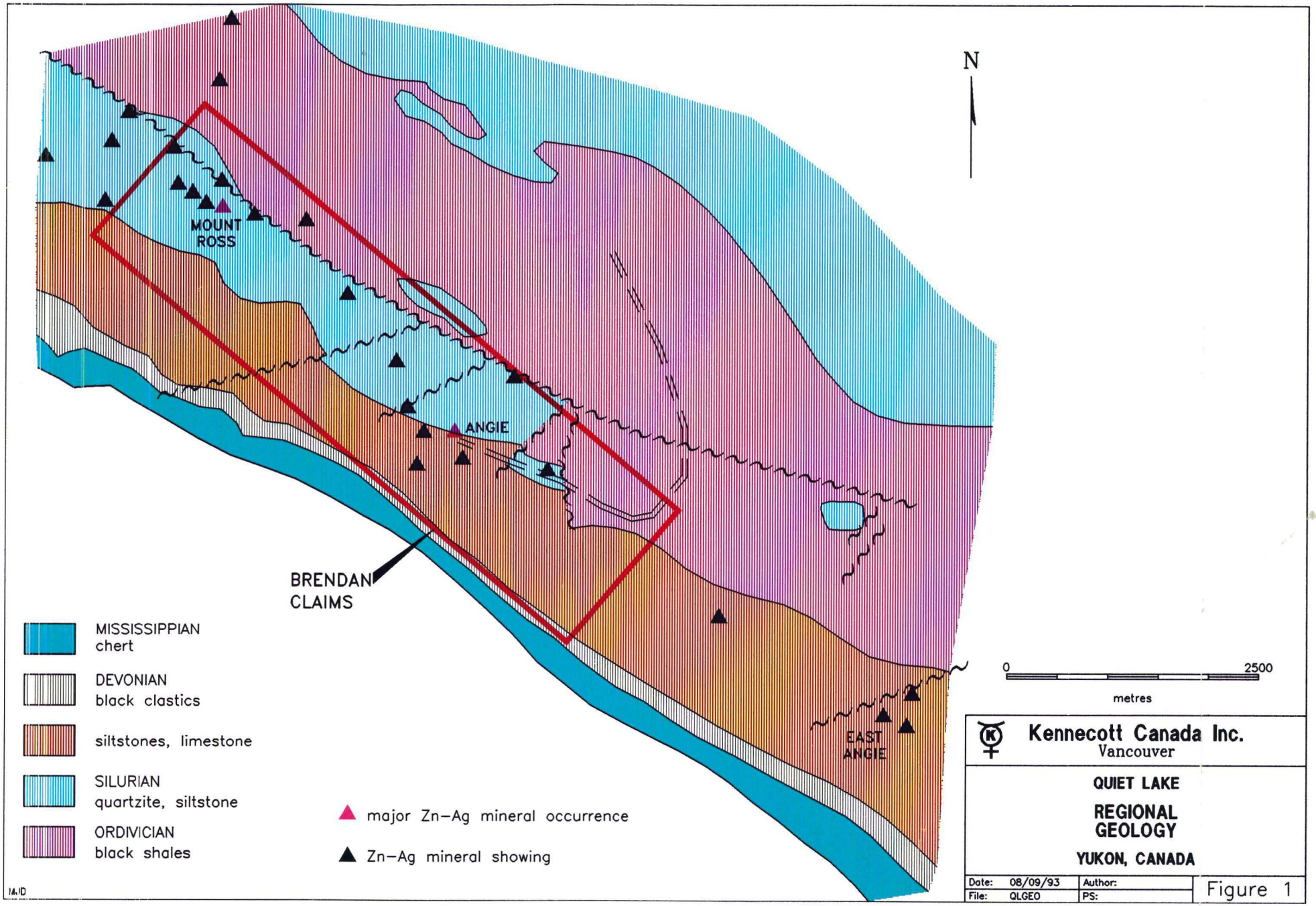
Figure 3


N
MOUNT ROSS
ANGIE
BRENDAN CLAIMS
EAST ANGIE
MISSISSIPPIAN chert
DEVONIAN black clastics
siltstones, limestone
SILURIAN quartzite, siltstone
ORDIVICIAN black shales
major Zn–Ag mineral occurrence
Zn–Ag mineral showing
0
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Kennecott Canada Inc.
Vancouver
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Figure 1

Sub-unit 4a, orthoquartzite, is the most characteristic member of unit 4. This unit is a massive grey orthoquartzite is found as relatively thin bands and lenses within dolomitic siltstones of unit 4b described below. Sub-unit 4a has been mapped in the Ross and Angie showing areas. Elsewhere on the property it is undifferentiated.

Sub-unit 4b, consisting of dolomitic siltstones is the most extensive member of unit 4. It consists primarily of tan-weathering, grey to dark grey, thin bedded to platy dolomitic siltstone, locally argillaceous and weakly calcareous. Several minor zinc occurrences were noted by Foster and Holland (1979) within these siltstones on the north side of Mount Ross. A brief and unsuccessful search was made for these occurrences in 1993.

Sub-unit 4c, consists of a wide range of lithologies ranging from dark grey calcareous siltstones and limestones to non-calcareous black argillites and shales. Most of these rocks are weak to moderately carbonaceous. The unit is best exposed between the Mount Ross and Angie showings. At Mount Ross the unit consists of tan weathering carbonaceous platy calcareous siltstones and limestones that are locally baritic. In the area of the Angie showing sub-unit 4c appears to grade into silty limestone of unit 5. Sub-unit 4c is the host for numerous zinc occurrences including the Ross showing found at the contact between sub-unit 4b and 4c.

Unit 5 conformably overlies unit 4. It consists of a package of Devonian shales, limestones, calcareous siltstones and tuffs estimated to be approximately 550m thick. Unit 5 hosts the Angie showing. Based on mapping by Foster and Holland (1979) unit 5 has been subdivided into four sub-units as follows.

Sub-unit 5a consists of grey to buff weathering, thin bedded to massive, dark grey to black silty limestone. Interbedded with the limestone, on a scale of millimetres to metres, are black to silver-grey weathering, strongly fissile, often phyllitic black shales with local orange ankerite-quartz sweats. This unit is the host to most of the significant zinc occurrences including the Angie showing. At the Angie showing unit 5a includes a grey limestone member in excess of 20m thick, named the "Angie limestone" by Foster and Holland (1979). The Angie limestone has a fine shaly laminae lending it a shaly parting.

Sub-unit 5b consists of orange weathering thinly laminated siltstones and phyllitic black shales. The unit is more phyllitic than sub-unit 5a and locally contains abundant disseminated limonite porphyroblasts up to 0.5 centimetres across. The unit is notably unmineralized which along with its distinctive outcropping nature, uniform composition and proximity to mineralized sub-unit 5a, make sub-unit 5b an important marker horizon.

Sub-unit 5c consists of argillaceous siltstones with beds of crinoidal limestone.

The dark grey argillaceous siltstones are brown to grey weathering, massive to fissile, variably calcareous and recessive weathering. This unit is best exposed at the base of sub-unit 5c in the vicinity of the Angie showing.

Sub-unit 5d consists of a thin band of tuffs and tuffaceous siltstones exposed south of the Angie showing within sub-unit 5c. Dominant lithologies are fissile rusty weathering calcareous to dolomitic siltstones with abundant round green clasts (volcanic clasts ?), silty clasts and fine disseminated rusty specks. Also observed in the area are pink weathering, flaky white tuffs, also with green clasts.

Unit 6 consists of Upper Devonian-Mississippian 'black clastic' rocks exposed to the south of the Angie showing. This unit was not examined in 1993. According to Foster and Holland (1979) it is found as a thin horizon less than 150m thick.

Unit 7 consists of Mississippian pale greenish-grey tuffaceous cherts. This unit was not examined in 1993. According to Foster and Holland (1979) this unit is estimated to be 200m thick.

5.3 Structure

Generally, lithologies on the property trend northwest, parallel to the regional trend and the Tintina Fault located approximately 10km northeast of the Brendan property. Repetition of the lithological units is caused by folding about a northwest trending nearly horizontal fold axis. Orientations of axial plane cleavages indicate refolding of the first phase folds about a similar axis (Foster and Holland, 1979). A third phase of folding perpendicular to the first two phases gently warps the first two phases of folding.

A large scale strike-slip fault has been mapped on the northeast side of the property and the regional St. Cyr fault is located southwest of the property. These faults are related to the nearby Tintina Fault. On ridge exposures numerous northwest trending faults are indicated by boulders of quartz float and abrupt lithological changes. Northwest strike-slip faulting, parallel to the regional trend, may be more extensive than thought previously.

East-west trending normal faults and block faulting are also common (Foster and Holland, 1979). Displacement appears to be vertical and cut off by the strike-slip faults suggesting that the block faulting is contemporaneous with or predates the strike-slip movement.

6.0 MINERALIZATION

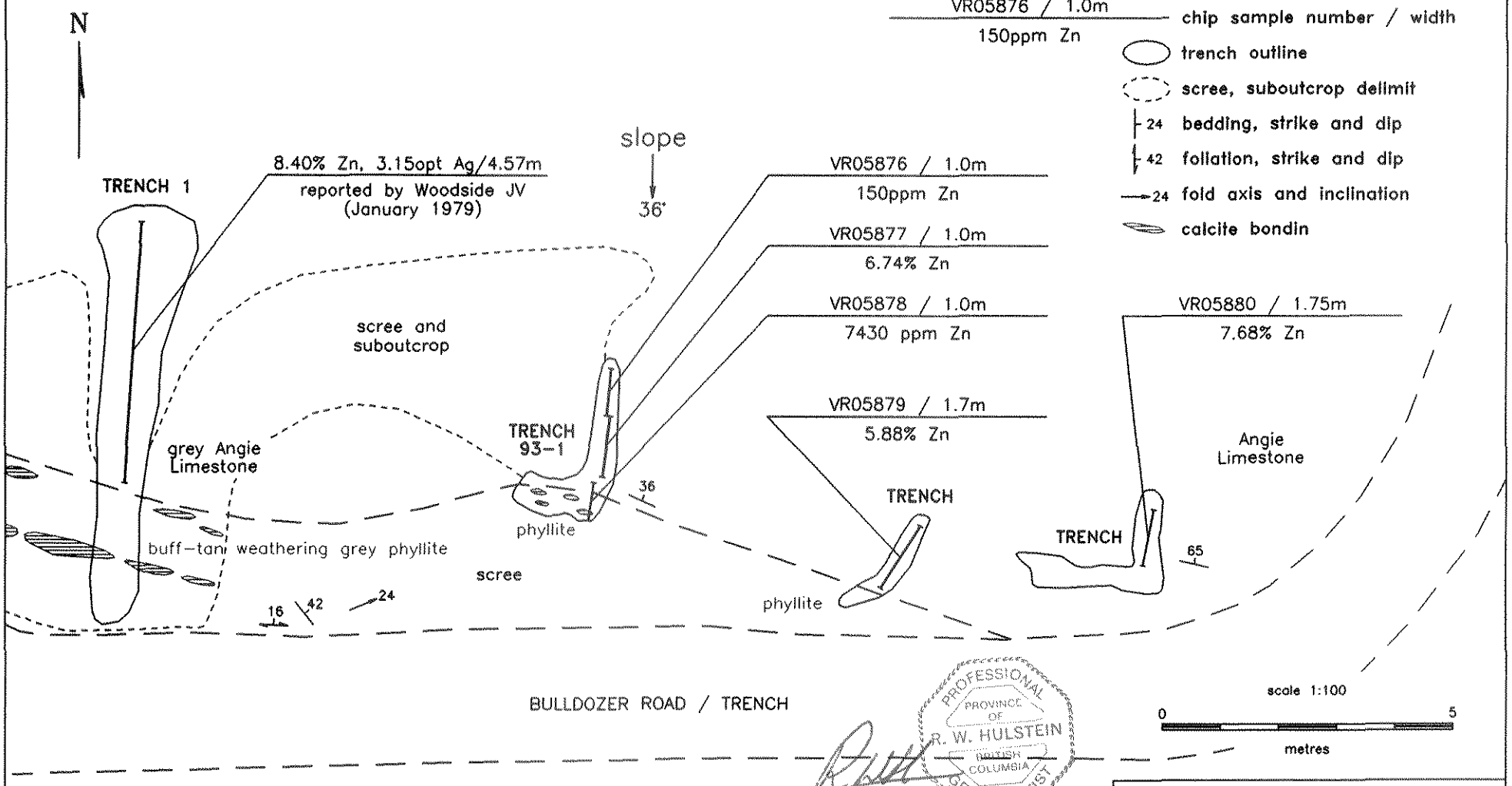
The Brendan property is a sedimentary-exhalative (sedex) massive sulphide lead-zinc-silver-barite exploration target. Previous exploration in 1977 and 1978 resulted in the discovery of two significant zinc-silver occurrences, the Angie and Ross showings, plus numerous other smaller occurrences. These stratabound occurrences are found within Ordovician-Silurian-Devonian clastics and carbonates, totalling some 1300m in thickness. A long lived mineralizing event is envisaged as mineralization is found throughout units 3 to 6. The strongest mineralization is concentrated near the top half of Silurian-Devonian unit 4 and the base of Devonian unit 5. Both the Angie and Ross showings were examined in 1993 and are described below. For a through description of other mineralization found on the property the reader in referred to Foster and Holland (1979).

6.1 Angie Showing

Results of geological mapping, limited hand trenching, and rock geochemistry carried out in 1993 (Figure 5) agreed largely with those reported by Foster and Holland (1979). Trenching completed in 1993 is shown on Figure 5. Mineralization is not readily obvious as there is no associated gossanous material. Mineralization is found in black weakly calcareous shaly siltstone within and in the footwall of the Angie limestone. Bulldozer trenching in 1978 exposed the mineralization which is apparently discontinuous, lenticular, and stratabound but stratigraphically transgressive (Foster and Holland, 1979). Width of the mineralization is variable but appears to be less than five metres. Sphalerite is the dominant sulphide although minor pyrite was observed along with trace to 2% limonite pseudomorphs. Sphalerite (trace to 15-20%) is found as fine to medium maroon pellitoid disseminations concentrated in bands parallel to bedding and as replacement and fillings in cross-cutting veinlets.

One man-day was spent cleaning outcrop and hand trenching in the area of Trench #1 (Figure 5) which reportedly returned 8.4% zinc and 3.16 ounce per ton silver over 4.5m (Foster and Holland, 1979). Due to sloughing the upper contact of mineralized siltstone was only observed in Trench 93-1. The best sample (#VR05877) from the 1993 trenches returned 7.68% zinc and 108 g/t silver over a true width of 1.75m.

Outcrop at the Angie showing dips moderately (30-65°) to the north and appears to be on the hinge of a fold as evidenced by minor 'M' or 'W' folds. As both the Angie limestone and DDH 79-3 (collared in the footwall of the Angie limestone) dip north, its obvious DDH 79-3 was drilled down dip. The previous interpretation placed the Angie showing on the south limb of an overturned fold dipping to the south. Both DDH 79A-1 and DDH 79A-2 tested the stratigraphy northwest of the



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		WIDTH	Zn	Ag	Pb
VR05876	grey blocky silty limestone	1.0 m	150 ppm	0.4 ppm	8 ppm
VR05877	dark grey "sooty" calcareous siltstone <0.5% disseminated sphalerite, trace pyrite	1.0 m	6.74 %	108 ppm	6 ppm
VR05878	grey silty banded limestone	1.0 m	7430 ppm	6.2 ppm	4 ppm
VR05879	very dark grey silty, fissile, graphitic limestone, 5.0% disseminated sphalerite	1.7 m	5.88 %	71.5 ppm	6 ppm
VR05880	dark grey silty, fissile, graphitic limestone, 2-5% disseminated sphalerite, <0.5% pyrite	1.75 m	7.68 %	85.6 ppm	8 ppm

Drawn by BJM

Kennecott Canada Inc.
Toronto

QUIET LAKE

BRENDAN CLAIMS
ANGIE TRENCH MAP

YUKON, CANADA

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Figure 5

Angie showing. Best results were returned from DDH 79A-1 including a weighted average of 2.01% zinc (< 1.0 ounce per ton silver) over 3.04 m.

A rock grab sample of quartz float (# VR05882) collected immediately north of the Angie showing, found in a scree slope of limestone, contained blebs of tetrahedrite. This same sample returned 2850 ppm zinc and 95.3 ppm silver.

6.2 Ross Showing

The Ross showing is located on the steep south flank of Mt. Ross. Exposure is limited due to extensive felsenmeer (Figure 4). Mineralization is similar to the Angie showing in that it is found in a weakly calcareous, 'sooty' carbonaceous argillite-mudstone unit, and has the same epigenetic and sedex features. This argillite-mudstone unit is located stratigraphically below the Angie showing, at the contact between sub-unit 4b and sub-unit 4c. The prospective unit at the Ross showing appears to be approximately seven metres thick and may average 1% zinc based on observations made in 1993 and on previous data (Foster and Holland, 1979).

The highest values returned in 1993, from the badly sloughed Ross trenches, were 3880 ppm zinc, 2.0 ppm silver and >10,000 ppm (>1%) barium. Foster and Holland (1977) note that barite is closely associated with the zinciferous limestone at the Ross showing.

7.0 GEOCHEMISTRY

A total of 205 soil samples, one silt sample, and 27 rock samples were collected and analyzed for lead, zinc, silver, barite and 28 additional elements by the ICP-ES method. All samples were digested by aqua-regia. Chemex Labs, Ltd. of Vancouver carried out the analytical work.

Sample locations are shown on Figure 6 along with lead and zinc results. Analytical reports are provided in Appendix A and rock sample descriptions in Appendix B.

7.1 Rock Geochemistry

Significant zinc-silver-barite analytical results from rock samples are described above under mineralization. Of note are the low lead values returned from all rock samples, the highest value being 26 ppm lead. Cadmium and zinc values are coincidentally anomalous with four samples returning >100 ppm cadmium from the Angie showing. Lead and barium values from the Angie showing were <8 ppm and 410 ppm respectively while samples from the Ross trenches returned <24 ppm lead and >10,000 ppm barium.

Phosphorous analysis returned values up to 1420 ppm from the limestone float collected north of the Angie trenches. Vanadium and nickel also returned elevated values, up to 935 ppm (from the Ross showing) and 149 ppm (from silty limestone north of the Angie trenches), respectively. Molybdenum values from the Angie showing area reach a maximum of 29 ppm while samples from the Ross showing area returned generally higher values up to a maximum of 65 ppm. This geochemical signature is similar to mineralized siltstones and shales hosting silver-vanadium deposits in Western Hubei Province, China (Delian et al., 1992). These deposits are believed to be the result of deposition in a restricted anoxic ocean basin setting.

A sample of tetrahedrite bearing quartz vein (#VR05882) returned highly elevated values for arsenic and antimony, 1180 ppm and 1355 ppm respectively, clearly demonstrating an epigenetic characteristics.

7.2 Soil Geochemistry

The purpose of the 1993 soil sampling was to confirm previous zinc anomalies over the Angie and Ross showings, the large zinc anomaly located immediately north of the Angie showing, and to test for anomalous zinc bearing units northwest of the Ross showing beyond the 1977-1979 soil sample coverage.

Soil samples were collected every 25m on flagged lines when crossing stratigraphy and every 50m where traversing parallel to stratigraphy below units of interest. The sampling medium consisted of talus fines as there is little soil development on the steep slopes or ridges.

Anomaly thresholds for lead, zinc and silver were taken from Foster and Holland (1979) and are shown below.

Table 2 - Anomaly Threshold Values

ELEMENT	BACKGROUND	WEAKLY ANOMALOUS	ANOMALOUS
Lead (ppm)	< 50	51-132	>132
Zinc (ppm)	< 439	440-1060	>1060
Silver (ppm)	< 2.0	2.1-8.0	>8.0

Analytical results ranged up to 174 ppm lead, 5740 ppm zinc and 7.4 ppm silver. Anomalous values correlate well with the known mineralization at the Angie showing. The narrow mineralized horizon hosted by the Angie limestone is reflected as a discrete anomaly approximately 100m wide with a high of 46 ppm lead, 4960 ppm zinc and 4.2 ppm silver.

The large zinc anomaly, north of the Angie showing, returned consistently anomalous values (>1060 ppm zinc) over an area of approximately 500m wide by at least 1000m long, as defined by three soil lines in 1993 and previous work.

Soil sample coverage in 1993 did not include the Ross showing. Samples collected across stratigraphy 700m west of, and on strike with, the Ross showing returned anomalous zinc values over a width of approximately 150m. On the same soil sample line, further to the south, three soil samples in a 150m interval returned anomalous values (up to 3030 ppm zinc). These two separate anomalies, almost 500m apart, are a minimum of 200m to the west of the 1977-79 soil sample grid and are not closed off.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The Brendan property is a massive sulphide sedex type lead-zinc-silver-barite target. The property is underlain by Ordovician to Mississippian clastics, carbonates and tuffs. Lithologies are dominated by carbonaceous siltstones and silty limestones. The structural trend is northwest with units dipping to the northeast. Repetition of some units is caused by folding about a horizontal northwest trending axis. Northwest strike slip faults, related to the Tintina Fault located approximately 10km to the northeast, complicates the geological picture.

Significant zinc-silver mineralization hosted by limestones and carbonaceous clastic rocks has been found at the Angie and Ross showings, located approximately three kilometres apart.

The Angie showing consists of zinc-silver mineralization in Devonian black carbonaceous, non-calcareous shaly siltstone hosted in grey limestone, the 'Angie' limestone. Trench sampling in 1993 returned a high of 7.68% zinc and 108 g/t silver over a true width of 1.75m.

Exposure at the Ross showing was limited due to sloughed trenches. Host rocks are Silurian to Devonian black carbonaceous weakly calcareous argillite-mudstones. Grab and chip samples from the trenches returned 3880 ppm zinc, 2.0 ppm silver, 24 ppm lead and >10,000 ppm barium.

Soil geochemistry over the known mineralization at the Angie showing returned up to 4960 ppm zinc, 46 ppm lead and 4.2 ppm silver. Zinc in soil anomalies were detected west of, and on strike with, the Ross showing in an area of no prior sampling. A large zinc in soil anomaly (>1060 ppm), located north of the Angie showing, was confirmed to extend over an area exceeding 500m by 1000m and does not reflect known mineralization.

The Brendan property has lithologies and a tectonic setting similar to that of the Cirque deposit in northeastern British Columbia.

Based on the results of exploration carried out on the Brendan property, further work is warranted. The following is recommended:

1. Compile a 1:5000 scale orthophoto map of the property incorporating all available geological, geochemical and geophysical data to better identify potential exploration targets.

2. Further geological mapping, soil and stream sediment sampling (including specific analysis for barium) should be carried out with emphasis paid to the stratigraphy hosting the Angie and Ross showings.

3. The large zinc in soil anomaly located immediately north of the Angie showing should be investigated in detail by geological mapping (1:2500 scale), extensive rock sampling and further soil geochemistry surveys.

4. Any further work (geophysics, trenching, etc.) is contingent on results of the above work.

9.0 REFERENCES

DELIAN, F., Jie, Y, and Tiebing, L, 1992. Black Shale Series-hosted Silver-Vanadium Deposits of the Upper Sinian Doushantou Formation, Western Hubie Province, China; Exploration Mining Geology, Vol. 1, No. 1, pp. 29-38.

FOSTER, H.F. and HOLLAND, R.T., 1979. Woodside Project, 1978, Chapter 2, Assessment Report by Welcome North Mines Ltd., Assessment Report 090463.

PIGAGE, L.C., 1986. Geology of the Cirque Barite-Zinc-Lead-Silver Deposits, Northeastern British Columbia; in Mineral Deposits of Northern Cordillera, J.A. Morin ed., The Canadian Institute of Mining and Metallurgy, Special Volume 37, pp. 71-86.

TEMPELMAN-KLUIT D., 1977. Geology of Quiet Lake (105 F) and Finlayson Lake (105 G) map areas, Yukon Territory; Geological Survey of Canada, Open File Report 486.

TEMPELMAN-KLUIT D., 1981. Geology and Mineral Deposits of Southern Yukon; in Yukon, Geology and Exploration 1979-80, Exploration and Geological Services Division, Yukon, Dept. of Indian and Northern Affairs Canada.

WHEELER, J.O. and McFeely, P., 1991. Tectonic Assemblage Map of the Canadian Cordillera and Adjacent Parts of the United States of America. Geological Survey of Canada, Map 1712A, scale 1:2,000,000.

10.0 STATEMENT OF QUALIFICATIONS

I, Roger W. Hulstein, with business address:

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

and residential address in Whitehorse, Yukon Territory, do hereby certify that:

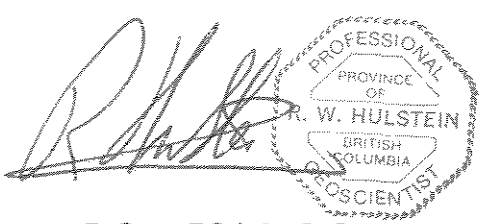
1. I am a geologist with Kennecott Canada Inc.

2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.

3. I am a fellow of the Geological Association of Canada (F3572).

4. I am registered as a professional geoscientist (No. 19127) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

5. I am the author of this report on the Brendan property, Watson Lake Mining District, Yukon, which is based on my personal examination of the ground during August 1993 and on referenced sources.



Roger Hulstein, B.Sc., FGAC, P.Geo. March 22, 1994

11.0 STATEMENT OF COSTS

Geological and Geochemical

A. Fieldwork

R. Hulstein of Whitehorse, Yukon August 18-19, 1993 3 days @ $275.00/day:	$ 825.00
Archer, Cathro & Associates (1981) Limited Fieldcrew (August 18, 19, 1993)	1187.70

B. Geochemical Analysis

27 rocks, 1 silt, and 205 soil samples Chemex Laboratories Ltd.	1486.10

C. Support Costs

Meals and Accomadation	676.88
Aircraft (Trans North)	1146.54
Radio and Phone charges	75.00

D. Research and Report Preparation

R. Hulstein, B.Sc. May (2 days), Sept.(2.5 days), Oct.(2.0 days)1993 Jan.(8 days), 1994	3987.50
Drafting	2000.00

Total Valuation of 1993 Assessment Work:	$11384.72

APPENDIX A

ANALYTICAL REPORTS

Chemex Labs Ltd.

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

KENNECOTT CANADA, INC.

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

A9320415

Comments: CC: R. HULSTEIN

CERTIFICATE A9320415

KENNECOTT CANADA, INC.

Project: BRENDAN #03-436
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 11-SEP-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	205	Dry, sieve to -80 mesh
229	205	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	205	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	205	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	205	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	205	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	205	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	205	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	205	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	205	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	205	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	205	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	205	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	205	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	205	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	205	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	205	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	205	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	205	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	205	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	205	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	205	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	205	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	205	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	205	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	205	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	205	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	205	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	205	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	205	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	205	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	205	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	205	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	205	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Certificate Date: 11-SEP-93
Invoice No. : 19320415
P.O. Number :
Account : KAV

CERTIFICATE OF ANALYSIS A9320415

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
3 DM-001	201 229	1.4	0.22	24	410	< 0.5	< 2	0.32	3.5	4	8	43	2.76	< 10	< 1	0.29	10	0.08	80	10
3 DM-002	201 229	7.4	0.72	104	1080	< 0.5	< 2	0.87	13.5	11	45	210	5.92	10	< 1	0.15	20	0.11	115	87
3 DM-003	201 229	2.6	0.40	24	510	< 0.5	< 2	2.06	5.0	9	16	162	2.10	< 10	< 1	0.04	20	0.87	180	24
3 DM-004	201 229	4.4	0.58	16	690	< 0.5	< 2	1.87	17.0	9	26	279	1.93	< 10	< 1	0.05	20	0.56	190	19
3 DM-005	201 229	2.6	0.39	22	900	< 0.5	< 2	1.94	12.0	11	21	149	2.20	< 10	< 1	0.04	20	0.92	225	20
3 DM-006	201 229	2.4	0.37	22	730	< 0.5	2	2.04	24.5	10	16	158	1.70	< 10	< 1	0.04	10	0.61	265	27
3 DM-007	201 229	2.8	0.51	30	1030	< 0.5	< 2	2.55	48.0	8	27	334	1.60	< 10	< 1	0.06	20	0.51	190	57
3 DM-008	201 229	2.2	0.48	22	1060	< 0.5	2	3.00	32.5	9	25	182	1.45	< 10	< 1	0.04	10	0.55	395	50
3 DM-009	201 229	3.0	0.63	26	1130	< 0.5	< 2	2.18	34.0	9	27	225	1.63	< 10	< 1	0.02	20	0.37	300	32
3 DM-010	201 229	2.6	0.57	28	1120	< 0.5	2	3.16	32.0	9	27	180	1.74	< 10	< 1	0.03	10	0.49	260	37
3 DM-011	201 229	2.0	0.45	20	1220	< 0.5	< 2	3.36	23.0	5	25	91	1.24	< 10	< 1	0.03	10	0.34	235	30
3 DM-012	201 229	2.4	0.49	22	1330	< 0.5	< 2	2.35	15.5	6	31	189	1.40	< 10	< 1	0.04	20	0.26	215	28
3 DM-013	201 229	1.4	0.58	16	1570	< 0.5	< 2	2.86	7.0	5	21	58	1.25	< 10	< 1	0.03	20	0.18	370	20
3 DM-014	201 229	3.0	0.74	32	7330	< 0.5	2	3.13	35.5	10	31	214	1.74	< 10	< 1	0.10	20	1.29	420	54
3 DM-015	201 229	1.8	0.34	18	610	< 0.5	< 2	1.95	24.0	3	11	170	0.92	< 10	< 1	0.02	20	0.28	200	18
3 DM-016	201 229	0.6	0.22	20	1130	< 0.5	< 2	3.65	15.0	4	6	51	1.04	< 10	< 1	0.02	< 10	0.96	305	37
3 DM-017	201 229	0.8	0.31	12	910	< 0.5	< 2	2.24	8.5	3	4	28	0.93	< 10	< 1	0.02	10	0.14	245	27
3 DM-018	201 229	1.4	0.43	14	1620	< 0.5	< 2	2.72	11.5	4	30	59	1.06	< 10	< 1	0.04	20	0.21	200	22
3 DM-019	201 229	1.4	0.32	10	1390	< 0.5	< 2	3.00	18.0	4	16	111	0.86	< 10	< 1	0.04	10	0.22	135	14
3 DM-020	201 229	1.8	0.36	66	1490	< 0.5	2	1.55	17.0	11	33	177	2.97	10	< 1	0.04	30	0.33	235	113
3 DM-021	201 229	3.4	0.32	52	1250	< 0.5	< 2	2.47	12.5	12	20	175	3.18	< 10	< 1	0.05	30	0.48	260	104
3 DM-022	201 229	2.4	0.71	26	2480	< 0.5	< 2	1.49	20.5	4	19	115	1.61	< 10	< 1	0.04	20	0.17	105	24
3 DM-023	201 229	1.6	0.42	22	1690	< 0.5	< 2	1.79	4.5	7	15	38	1.96	< 10	< 1	0.04	30	0.70	110	48
3 DM-024	201 229	1.8	0.36	14	1230	< 0.5	< 2	2.49	21.5	4	8	81	1.02	< 10	< 1	0.02	10	0.17	145	18
3 DM-025	201 229	3.0	0.53	26	1420	< 0.5	< 2	0.95	14.0	7	18	119	2.08	< 10	< 1	0.04	20	0.25	110	36
3 DM-026	201 229	2.6	0.49	18	1110	< 0.5	< 2	2.20	13.0	6	22	111	1.44	< 10	< 1	0.02	20	0.39	180	15
3 DM-027	201 229	4.4	0.62	38	790	< 0.5	< 2	1.93	48.0	9	34	297	1.78	< 10	< 1	0.04	20	0.30	305	36
3 DM-028	201 229	3.0	0.57	14	1130	< 0.5	< 2	1.98	31.5	7	24	220	1.32	< 10	< 1	0.03	10	0.26	195	14
3 DM-029	201 229	2.4	0.53	6	620	< 0.5	< 2	1.50	13.0	4	14	109	1.03	< 10	< 1	0.03	10	0.18	165	9
3 DM-030	201 229	2.4	0.39	10	710	< 0.5	< 2	2.38	27.5	5	10	127	0.85	< 10	< 1	0.04	10	0.21	235	16
3 DM-031	201 229	< 0.2	0.30	2	560	< 0.5	< 2	1.58	5.5	1	4	26	0.45	< 10	< 1	0.03	< 10	0.11	85	4
3 DM-032	201 229	< 0.2	0.29	2	630	< 0.5	< 2	3.18	5.0	1	3	36	0.43	< 10	< 1	0.02	< 10	0.13	75	4
3 DM-033	201 229	1.4	0.46	4	980	< 0.5	< 2	1.65	7.0	4	16	73	0.87	< 10	< 1	0.03	10	0.18	180	2
3 DM-034	201 229	1.2	0.19	30	340	< 0.5	< 2	1.64	5.0	7	7	65	2.27	< 10	< 1	0.08	10	0.61	345	20
3 DM-035	201 229	1.0	0.30	34	190	< 0.5	< 2	1.84	2.0	14	3	45	2.88	< 10	< 1	0.04	10	0.23	190	10
3 DM-036	201 229	0.2	1.13	6	770	< 0.5	< 2	0.52	4.0	9	21	22	2.29	< 10	< 1	0.04	20	0.32	505	6
3 DM-037	201 229	1.4	0.83	16	1040	< 0.5	< 2	0.48	11.0	13	13	87	2.84	< 10	< 1	0.06	30	0.22	425	7
3 DM-038	201 229	1.8	0.77	40	790	< 0.5	< 2	1.38	16.0	19	10	92	3.09	< 10	< 1	0.07	30	0.69	390	31
3 DM-039	201 229	1.0	0.31	36	700	< 0.5	< 2	2.70	13.5	13	5	91	2.50	< 10	< 1	0.03	10	1.50	325	43
3 DM-040	201 229	2.2	0.52	26	2390	< 0.5	< 2	1.39	27.5	12	15	126	2.02	< 10	< 1	0.10	20	0.53	410	39

CERTIFICATION: Peter A. Buchholz

Chemex Labs Ltd.

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KENNECOTT CANADA, INC.

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Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Certificate Date: 11-SEP-93
Invoice No. :I9320415
P.O. Number :
Account :KAV

CERTIFICATE OF ANALYSIS A9320415

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
3 DM-001	201	229	0.01	36	1080	24	2	1	198	< 0.01	10	< 10	31	< 10	246
3 DM-002	201	229	< 0.01	256	7060	114	42	6	529	< 0.01	30	< 10	349	< 10	1240
3 DM-003	201	229	0.01	185	1780	20	8	2	88	< 0.01	10	< 10	51	< 10	1130
3 DM-004	201	229	0.01	249	1500	28	12	2	103	0.01	10	< 10	111	< 10	3100
3 DM-005	201	229	0.01	203	1270	22	16	2	77	0.01	10	< 10	87	< 10	2420
3 DM-006	201	229	< 0.01	189	1200	24	14	1	93	0.01	< 10	< 10	95	< 10	2980
3 DM-007	201	229	0.01	296	1520	34	20	1	130	0.01	10	< 10	219	< 10	5640
3 DM-008	201	229	< 0.01	191	1620	42	14	1	171	< 0.01	10	< 10	169	< 10	3440
3 DM-009	201	229	< 0.01	210	1540	40	14	1	152	< 0.01	10	< 10	140	< 10	3900
3 DM-010	201	229	< 0.01	230	1630	38	12	1	164	0.01	10	< 10	158	< 10	4780
3 DM-011	201	229	< 0.01	107	2020	32	14	1	237	< 0.01	10	< 10	135	< 10	1165
3 DM-012	201	229	< 0.01	185	1510	30	12	1	158	< 0.01	10	< 10	130	< 10	2000
3 DM-013	201	229	< 0.01	78	2570	24	8	1	200	< 0.01	10	< 10	76	< 10	560
3 DM-014	201	229	0.01	217	1650	42	16	5	245	< 0.01	20	< 10	219	< 10	2850
3 DM-015	201	229	0.02	103	1250	28	6	2	155	< 0.01	< 10	< 10	69	< 10	1815
3 DM-016	201	229	0.01	128	890	14	12	1	276	< 0.01	< 10	< 10	55	< 10	1160
3 DM-017	201	229	< 0.01	80	1360	14	6	1	169	< 0.01	10	< 10	25	< 10	496
3 DM-018	201	229	0.01	108	1470	32	6	1	198	< 0.01	10	< 10	149	< 10	1125
3 DM-019	201	229	0.01	115	1320	22	6	1	200	< 0.01	10	< 10	84	< 10	1475
3 DM-020	201	229	0.01	390	1800	74	26	3	128	0.01	30	< 10	195	< 10	3580
3 DM-021	201	229	< 0.01	391	1550	58	26	3	161	< 0.01	10	< 10	126	< 10	3320
3 DM-022	201	229	0.01	151	1100	26	10	3	128	0.01	10	< 10	164	< 10	1755
3 DM-023	201	229	< 0.01	173	860	20	10	3	157	0.01	< 10	< 10	75	< 10	1010
3 DM-024	201	229	0.01	116	1010	14	8	1	161	< 0.01	< 10	< 10	42	< 10	1580
3 DM-025	201	229	< 0.01	173	720	18	14	2	78	0.01	10	< 10	83	< 10	2310
3 DM-026	201	229	< 0.01	109	1360	22	8	2	164	< 0.01	< 10	< 10	96	< 10	1505
3 DM-027	201	229	< 0.01	204	1290	52	14	2	127	< 0.01	< 10	< 10	217	< 10	4230
3 DM-028	201	229	< 0.01	195	1020	28	6	2	136	< 0.01	< 10	< 10	109	< 10	3350
3 DM-029	201	229	0.03	88	890	20	4	1	119	< 0.01	< 10	< 10	59	< 10	1720
3 DM-030	201	229	0.02	103	950	32	6	< 1	194	< 0.01	< 10	< 10	35	< 10	1545
3 DM-031	201	229	0.04	20	570	6	2	< 1	128	0.01	< 10	< 10	20	< 10	250
3 DM-032	201	229	0.01	37	610	8	2	< 1	247	< 0.01	< 10	< 10	15	< 10	260
3 DM-033	201	229	0.02	69	750	20	2	1	139	< 0.01	< 10	< 10	65	< 10	1010
3 DM-034	201	229	< 0.01	70	1570	22	6	1	148	< 0.01	< 10	< 10	36	< 10	424
3 DM-035	201	229	0.02	88	670	12	4	2	85	< 0.01	< 10	< 10	17	< 10	360
3 DM-036	201	229	< 0.01	36	940	18	2	2	26	0.01	< 10	< 10	42	< 10	246
3 DM-037	201	229	< 0.01	86	820	26	4	2	37	0.01	< 10	< 10	41	< 10	584
3 DM-038	201	229	< 0.01	185	1370	44	14	1	104	< 0.01	10	< 10	47	< 10	1200
3 DM-039	201	229	< 0.01	148	860	24	16	1	62	< 0.01	< 10	< 10	24	< 10	1805
3 DM-040	201	229	< 0.01	149	2220	40	16	1	187	< 0.01	< 10	< 10	124	< 10	1565

CERTIFICATION: _____

Chemex Labs Ltd.

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PHONE: 604-984-0221

KENNECOTT CANADA, INC.

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

Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Certificate Date: 11-SEP-93
Invoice No. :I9320415
P.O. Number :
Account :KAV

CERTIFICATE OF ANALYSIS A9320415

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
3 DM-041	201	229	6.6	0.47	42	2130	< 0.5	< 2	1.18	27.0	6	20	261	1.71	< 10	1	0.08	20	0.36	135	42
3 DM-042	201	229	2.8	0.29	24	690	< 0.5	< 2	1.16	16.5	5	12	107	1.25	< 10	< 1	0.02	10	0.15	120	20
3 DM-043	201	229	1.4	0.12	28	230	< 0.5	< 2	2.93	4.5	8	6	56	2.20	< 10	< 1	0.03	10	1.45	170	16
3 DM-044	201	229	3.0	0.32	30	900	< 0.5	< 2	0.82	16.5	10	14	118	2.20	< 10	< 1	0.05	10	0.18	210	27
3 DM-045	201	229	1.4	0.09	8	70	< 0.5	< 2	0.61	< 0.5	3	4	27	1.98	< 10	< 1	0.02	10	0.07	110	9
3 DM-046	201	229	1.4	0.22	34	190	< 0.5	< 2	3.91	1.0	9	7	58	2.93	< 10	< 1	0.02	< 10	1.64	400	11
3 DM-047	201	229	1.0	0.35	38	130	< 0.5	< 2	0.22	1.0	4	3	114	2.23	< 10	< 1	0.04	20	0.04	100	5
3 DM-048	201	229	0.8	0.65	20	230	< 0.5	< 2	0.61	1.5	7	15	58	2.68	< 10	< 1	0.06	20	0.24	220	10
3 DM-049	201	229	1.0	0.18	28	140	< 0.5	< 2	4.06	< 0.5	7	3	53	2.98	< 10	< 1	0.04	10	2.11	175	7
3 DM-050	201	229	0.4	0.40	4	180	< 0.5	< 2	0.81	< 0.5	12	8	63	3.57	< 10	< 1	0.03	20	0.49	445	3
3 DM-051	201	229	< 0.2	0.83	4	210	< 0.5	< 2	0.10	< 0.5	4	12	16	1.88	< 10	< 1	0.02	20	0.13	95	4
3 DM-052	201	229	0.2	0.53	16	80	< 0.5	< 2	0.07	0.5	3	13	21	1.73	< 10	< 1	0.02	20	0.08	70	13
3 DM-053	201	229	0.4	0.84	8	140	< 0.5	< 2	0.46	1.0	10	14	28	2.85	< 10	< 1	0.03	20	0.41	300	2
3 DM-054	201	229	< 0.2	0.55	6	100	< 0.5	< 2	0.11	< 0.5	3	8	15	1.92	< 10	< 1	0.02	10	0.11	100	4
3 DM-055	201	229	0.2	0.92	6	360	< 0.5	< 2	0.69	1.5	6	14	13	2.10	< 10	< 1	0.01	10	0.24	365	2
3 DM-056	201	229	0.2	0.40	2	350	< 0.5	< 2	2.81	1.0	3	4	14	1.08	< 10	< 1	0.01	< 10	0.14	140	2
3 DM-057	201	229	1.6	0.36	12	230	< 0.5	< 2	1.76	1.5	9	4	34	2.78	< 10	< 1	0.01	20	0.28	460	6
3 DM-058	201	229	0.6	1.19	12	560	< 0.5	< 2	0.64	1.0	9	19	26	2.60	< 10	< 1	0.03	20	0.38	695	3
3 DM-059	201	229	1.2	0.85	18	160	< 0.5	< 2	0.16	0.5	11	15	46	2.65	< 10	< 1	0.05	30	0.21	235	5
3 DM-060	201	229	1.2	1.08	14	400	< 0.5	< 2	0.62	5.0	10	23	44	2.66	< 10	< 1	0.03	20	0.33	385	9
3 DM-061	201	229	0.4	0.72	14	230	< 0.5	< 2	0.94	0.5	10	21	38	2.51	< 10	< 1	0.05	20	0.41	160	5
3 DM-062	201	229	0.4	0.93	12	240	< 0.5	< 2	1.18	1.5	11	16	36	3.20	< 10	< 1	0.03	30	0.31	290	5
3 DM-063	201	229	0.4	0.78	8	210	< 0.5	< 2	3.50	1.0	11	13	38	2.49	< 10	< 1	0.06	10	0.35	240	4
3 DM-064	201	229	0.6	0.67	14	260	< 0.5	< 2	3.63	2.5	13	11	47	2.73	< 10	< 1	0.04	10	0.27	185	8
3 DM-065	201	229	0.8	0.76	14	220	< 0.5	< 2	1.65	4.5	12	13	54	3.38	< 10	< 1	0.04	20	0.27	290	6
3 DM-066	201	229	0.6	0.62	22	140	< 0.5	< 2	1.52	4.0	10	16	48	2.33	< 10	< 1	0.03	20	0.41	195	15
3 DM-067	201	229	1.2	0.55	22	220	< 0.5	< 2	0.77	9.0	8	11	42	2.55	< 10	< 1	0.03	20	0.13	210	18
3 DM-068	201	229	1.0	0.48	16	180	< 0.5	< 2	1.83	7.0	13	6	72	2.79	< 10	< 1	0.03	10	0.16	160	17
3 DM-069	201	229	0.6	0.20	2	150	< 0.5	< 2	5.00	2.0	14	3	47	3.57	< 10	< 1	0.03	< 10	0.10	240	6
3 DM-070	201	229	1.6	0.37	20	280	< 0.5	< 2	0.84	13.5	8	4	60	2.75	< 10	< 1	0.02	20	0.13	130	17
3 DM-071	201	229	2.8	0.30	66	100	< 0.5	< 2	0.54	23.0	4	10	132	2.42	< 10	1	0.05	20	0.08	95	64
3 DM-072	201	229	< 0.2	0.08	6	40	< 0.5	< 2	>15.00	0.5	9	1	13	1.94	10	< 1	< 0.01	40	1.02	270	< 1
3 DM-073	201	229	< 0.2	0.19	14	90	< 0.5	< 2	>15.00	0.5	7	1	17	1.50	10	< 1	0.02	30	0.70	200	1
3 DM-074	201	229	0.4	0.36	22	130	< 0.5	< 2	2.00	0.5	10	1	19	2.55	< 10	< 1	0.02	10	0.23	185	< 1
3 DM-075	201	229	0.4	0.89	6	730	< 0.5	< 2	0.35	0.5	6	18	20	2.12	< 10	< 1	0.02	10	0.28	165	4
3 DM-076	201	229	0.4	0.77	8	340	< 0.5	< 2	0.27	1.0	10	12	27	3.37	< 10	< 1	0.02	20	0.20	205	3
3 DM-077	201	229	0.4	0.36	24	150	< 0.5	< 2	7.90	0.5	10	8	34	2.32	< 10	< 1	0.03	< 10	0.87	200	4
3 DM-078	201	229	0.6	0.28	18	140	< 0.5	< 2	6.26	0.5	11	6	37	2.42	< 10	< 1	0.04	< 10	1.24	185	2
3 DM-079	201	229	0.4	0.19	8	100	< 0.5	< 2	8.86	0.5	14	3	35	2.84	< 10	< 1	0.02	< 10	0.81	235	1
3 DM-080	201	229	0.2	1.08	6	680	< 0.5	< 2	0.31	0.5	6	17	19	2.41	< 10	< 1	0.03	20	0.19	185	7

CERTIFICATION:

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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
3 DM-041	201	229	< 0.01	150	2420	44	38	1	346	< 0.01	< 10	< 10	160	< 10	1755
3 DM-042	201	229	< 0.01	92	1610	28	14	1	141	< 0.01	< 10	< 10	53	< 10	1350
3 DM-043	201	229	< 0.01	70	1310	32	10	1	62	< 0.01	< 10	< 10	18	< 10	448
3 DM-044	201	229	< 0.01	148	1580	28	12	1	146	< 0.01	< 10	< 10	62	< 10	1340
3 DM-045	201	229	< 0.01	35	640	28	4	< 1	29	< 0.01	< 10	< 10	7	< 10	98
3 DM-046	201	229	< 0.01	72	2310	26	6	2	94	< 0.01	< 10	< 10	26	< 10	256
3 DM-047	201	229	0.01	38	880	8	4	1	67	< 0.01	< 10	< 10	13	< 10	114
3 DM-048	201	229	< 0.01	58	1160	24	4	3	54	0.01	10	< 10	42	< 10	280
3 DM-049	201	229	< 0.01	68	2010	22	6	2	62	< 0.01	< 10	< 10	21	< 10	34
3 DM-050	201	229	< 0.01	42	440	20	< 2	3	38	0.01	10	< 10	13	< 10	96
3 DM-051	201	229	< 0.01	19	160	8	< 2	1	10	0.03	10	< 10	45	< 10	110
3 DM-052	201	229	< 0.01	27	370	14	< 2	< 1	7	0.02	10	< 10	83	< 10	230
3 DM-053	201	229	< 0.01	34	480	12	< 2	4	22	0.01	< 10	< 10	28	< 10	140
3 DM-054	201	229	< 0.01	21	220	10	< 2	1	9	0.01	< 10	< 10	33	< 10	104
3 DM-055	201	229	< 0.01	26	760	16	< 2	2	37	< 0.01	< 10	< 10	32	< 10	174
3 DM-056	201	229	< 0.01	18	750	16	< 2	1	153	< 0.01	< 10	< 10	11	< 10	80
3 DM-057	201	229	< 0.01	78	2430	36	2	3	65	< 0.01	10	< 10	24	< 10	292
3 DM-058	201	229	< 0.01	34	880	16	< 2	4	30	0.01	10	< 10	38	< 10	144
3 DM-059	201	229	< 0.01	50	470	14	2	2	12	0.01	20	< 10	29	< 10	196
3 DM-060	201	229	< 0.01	55	720	18	2	3	31	0.02	10	< 10	58	< 10	442
3 DM-061	201	229	0.01	53	810	10	2	3	55	0.03	10	< 10	29	< 10	212
3 DM-062	201	229	< 0.01	50	530	16	2	3	52	0.01	10	< 10	28	< 10	234
3 DM-063	201	229	0.01	46	880	14	< 2	2	107	< 0.01	< 10	< 10	19	< 10	222
3 DM-064	201	229	< 0.01	63	640	16	2	2	113	< 0.01	< 10	< 10	21	< 10	438
3 DM-065	201	229	< 0.01	64	1050	22	2	3	66	< 0.01	10	< 10	26	< 10	692
3 DM-066	201	229	0.01	78	860	12	4	3	61	0.02	< 10	< 10	37	< 10	978
3 DM-067	201	229	< 0.01	69	610	18	6	2	39	< 0.01	< 10	< 10	51	< 10	1135
3 DM-068	201	229	0.02	100	780	16	4	3	73	< 0.01	< 10	< 10	33	< 10	1205
3 DM-069	201	229	< 0.01	69	670	16	2	3	152	< 0.01	< 10	< 10	9	< 10	370
3 DM-070	201	229	0.01	78	810	20	6	2	44	< 0.01	< 10	< 10	35	< 10	1720
3 DM-071	201	229	< 0.01	178	1690	20	28	2	30	< 0.01	< 10	< 10	126	< 10	3030
3 DM-072	201	229	< 0.01	15	480	6	2	2	245	< 0.01	< 10	< 10	2	< 10	80
3 DM-073	201	229	< 0.01	19	850	6	4	2	380	< 0.01	< 10	< 10	7	< 10	128
3 DM-074	201	229	0.01	23	610	14	2	3	61	< 0.01	< 10	< 10	7	< 10	148
3 DM-075	201	229	< 0.01	28	630	12	< 2	2	32	0.01	10	< 10	33	< 10	166
3 DM-076	201	229	0.01	27	390	16	< 2	3	22	< 0.01	10	< 10	19	< 10	152
3 DM-077	201	229	< 0.01	27	760	16	4	3	166	< 0.01	< 10	< 10	11	< 10	144
3 DM-078	201	229	< 0.01	28	950	10	6	3	123	< 0.01	< 10	< 10	10	< 10	104
3 DM-079	201	229	< 0.01	25	680	14	2	3	73	< 0.01	< 10	< 10	4	< 10	110
3 DM-080	201	229	< 0.01	25	250	16	< 2	2	24	0.01	< 10	< 10	53	< 10	150

CERTIFICATION:

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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
3 DM-081	201	229	0.2	0.87	8	350	< 0.5	< 2	0.14	0.5	3	9	14	1.54	< 10	< 1	0.02	20	0.11	85	6
3 DM-082	201	229	1.0	0.77	22	540	< 0.5	< 2	0.62	0.5	8	15	49	2.47	< 10	< 1	0.06	20	0.27	165	11
3 DM-083	201	229	0.4	1.11	14	310	< 0.5	< 2	0.14	< 0.5	5	16	16	2.19	< 10	< 1	0.03	20	0.22	80	7
3 DM-084	201	229	0.6	0.42	4	150	< 0.5	< 2	1.08	< 0.5	12	8	35	4.45	< 10	< 1	0.03	10	0.35	325	2
3 DM-085	201	229	0.4	0.33	10	80	< 0.5	< 2	0.35	< 0.5	14	4	27	3.69	< 10	< 1	0.02	20	0.08	205	3
3 DM-086	201	229	0.4	0.40	20	150	< 0.5	< 2	0.60	0.5	12	4	21	2.91	< 10	< 1	0.02	20	0.09	110	11
3 DM-087	201	229	0.8	0.69	16	190	< 0.5	< 2	0.41	0.5	12	11	34	3.88	< 10	< 1	0.03	20	0.19	210	14
3 DM-088	201	229	0.2	0.61	2	300	< 0.5	< 2	0.38	< 0.5	13	7	18	4.51	< 10	< 1	0.02	20	0.07	275	3
3 DM-089	201	229	0.4	0.79	16	290	< 0.5	< 2	0.19	0.5	13	12	28	4.09	< 10	< 1	0.02	20	0.14	295	7
3 DM-090	201	229	0.2	0.88	10	250	< 0.5	< 2	0.21	< 0.5	8	15	22	2.92	< 10	< 1	0.03	20	0.16	155	6
3 DM-091	201	229	0.4	0.95	8	510	< 0.5	< 2	0.33	0.5	9	15	27	2.66	< 10	< 1	0.03	20	0.22	225	6
3 DM-092	201	229	0.2	0.66	8	240	< 0.5	< 2	0.44	1.0	4	10	15	2.22	< 10	< 1	0.02	20	0.07	110	3
3 DM-093	201	229	0.2	0.80	8	250	< 0.5	< 2	1.12	0.5	6	11	17	2.11	< 10	< 1	0.02	10	0.14	160	2
3 DM-094	201	229	0.4	0.82	16	140	< 0.5	< 2	1.16	1.0	6	13	15	2.74	< 10	< 1	0.02	20	0.11	170	2
3 DM-095	201	229	0.6	0.32	44	140	< 0.5	< 2	0.50	< 0.5	15	4	29	3.46	< 10	< 1	0.03	10	0.05	160	6
3 DM-096	201	229	0.4	0.32	22	170	< 0.5	< 2	1.16	< 0.5	6	4	21	1.64	< 10	< 1	0.03	10	0.11	130	4
3 DM-097	201	229	0.8	0.49	30	210	< 0.5	< 2	0.84	0.5	6	10	28	2.53	< 10	< 1	0.03	10	0.13	160	10
3 DM-098	201	229	0.2	0.47	42	110	< 0.5	< 2	0.42	1.0	10	3	21	2.72	< 10	< 1	0.02	20	0.07	125	9
3 DM-099	201	229	0.4	0.56	34	170	< 0.5	< 2	0.78	4.5	11	8	40	2.99	< 10	< 1	0.03	20	0.20	275	9
3 DM-100	201	229	0.4	0.40	34	150	< 0.5	< 2	0.99	3.0	11	4	26	2.31	< 10	< 1	0.03	20	0.30	120	7
3 DM-101	201	229	< 0.2	0.38	8	140	< 0.5	< 2	1.48	0.5	3	< 1	15	1.06	< 10	< 1	0.01	10	0.11	180	< 1
3 DM-102	201	229	< 0.2	0.90	16	200	< 0.5	< 2	0.38	0.5	7	15	14	2.49	< 10	< 1	0.03	10	0.22	200	4
3 DM-103	201	229	0.2	1.24	12	300	< 0.5	< 2	0.19	0.5	6	18	15	2.36	< 10	< 1	0.03	10	0.16	160	4
3 DM-104	201	229	0.2	1.18	16	350	< 0.5	< 2	0.06	0.5	7	16	23	2.52	< 10	< 1	0.04	20	0.17	110	8
3 DM-105	201	229	< 0.2	0.54	8	200	< 0.5	2	0.55	0.5	3	7	11	1.11	< 10	< 1	0.04	10	0.09	135	1
3 DM-106	201	229	< 0.2	0.24	6	160	< 0.5	< 2	2.07	< 0.5	1	3	11	0.32	< 10	< 1	0.02	< 10	0.03	175	< 1
3 DM-107	201	229	0.4	0.64	22	340	< 0.5	2	1.55	1.0	4	9	25	1.68	< 10	< 1	0.03	10	0.18	175	4
3 KC-001	201	229	0.4	0.23	28	100	< 0.5	< 2	3.99	1.0	7	4	13	2.99	< 10	< 1	0.03	< 10	0.08	160	1
3 KC-002	201	229	2.0	0.24	54	230	< 0.5	< 2	2.47	7.0	9	7	83	2.83	< 10	< 1	0.05	< 10	0.60	235	49
3 KC-003	201	229	0.4	0.28	14	120	< 0.5	< 2	0.67	< 0.5	13	5	26	4.04	< 10	< 1	0.03	10	0.16	410	5
3 KC-004	201	229	0.2	0.18	16	90	< 0.5	< 2	4.34	3.0	14	2	32	2.38	< 10	< 1	0.03	< 10	0.72	235	12
3 KC-005	201	229	1.2	0.43	28	190	< 0.5	< 2	1.18	3.0	10	9	37	2.64	< 10	< 1	0.06	10	0.35	465	57
3 KC-006	201	229	2.6	0.29	52	180	< 0.5	< 2	3.04	4.0	13	8	102	3.13	< 10	< 1	0.08	10	1.40	215	53
3 KC-007	201	229	1.2	0.47	36	150	< 0.5	< 2	1.13	2.5	9	10	45	2.35	< 10	< 1	0.03	20	0.61	210	30
3 KC-008	201	229	0.6	0.39	26	150	< 0.5	2	0.98	1.5	16	3	40	3.53	< 10	< 1	0.06	20	0.30	260	4
3 KC-009	201	229	0.2	0.27	20	170	< 0.5	< 2	7.24	0.5	12	2	28	2.50	< 10	< 1	0.04	< 10	1.04	255	1
3 KC-010	201	229	0.2	0.22	32	150	< 0.5	< 2	4.45	0.5	16	4	26	2.76	< 10	< 1	0.05	< 10	0.66	270	1
3 KC-011	201	229	0.4	0.49	12	260	< 0.5	< 2	0.55	1.0	13	6	25	3.94	< 10	< 1	0.07	20	0.14	370	3
3 KC-012	201	229	1.2	0.36	30	210	< 0.5	< 2	0.34	1.5	18	3	41	4.25	< 10	< 1	0.07	30	0.11	405	7
3 KC-013	201	229	1.0	0.28	34	250	< 0.5	2	2.65	2.5	16	4	34	2.19	< 10	< 1	0.07	10	0.79	220	4

CERTIFICATION: Stuart Bichler

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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
3 DM-081	201	229	< 0.01	15	220	12	< 2	1	15	0.01	10	< 10	37	< 10	110
3 DM-082	201	229	0.01	57	1230	18	4	3	43	< 0.01	20	< 10	53	< 10	300
3 DM-083	201	229	< 0.01	25	380	14	2	1	14	0.01	10	< 10	48	< 10	136
3 DM-084	201	229	0.01	27	510	6	2	6	24	< 0.01	< 10	< 10	30	< 10	34
3 DM-085	201	229	< 0.01	30	440	10	2	4	13	< 0.01	10	< 10	13	< 10	42
3 DM-086	201	229	0.01	46	590	14	2	2	27	< 0.01	10	< 10	14	< 10	118
3 DM-087	201	229	< 0.01	55	450	12	4	6	28	< 0.01	10	< 10	28	< 10	174
3 DM-088	201	229	0.01	27	600	12	2	3	21	< 0.01	< 10	< 10	9	< 10	40
3 DM-089	201	229	< 0.01	46	600	8	2	3	17	< 0.01	10	< 10	28	< 10	150
3 DM-090	201	229	0.01	31	320	12	2	1	15	< 0.01	< 10	< 10	37	< 10	126
3 DM-091	201	229	0.01	40	550	14	2	4	27	< 0.01	< 10	< 10	37	< 10	160
3 DM-092	201	229	0.01	26	220	18	2	1	20	< 0.01	< 10	< 10	40	< 10	124
3 DM-093	201	229	0.02	25	300	12	2	2	28	< 0.01	20	< 10	35	< 10	88
3 DM-094	201	229	0.01	31	340	22	4	2	32	< 0.01	10	< 10	30	< 10	92
3 DM-095	201	229	0.03	62	390	6	2	4	28	< 0.01	10	< 10	32	< 10	100
3 DM-096	201	229	0.03	34	780	8	2	2	41	< 0.01	< 10	< 10	17	< 10	108
3 DM-097	201	229	0.01	54	710	16	4	3	52	< 0.01	10	< 10	25	< 10	366
3 DM-098	201	229	0.01	47	550	16	4	2	28	< 0.01	10	< 10	22	< 10	476
3 DM-099	201	229	< 0.01	43	490	24	4	3	39	< 0.01	10	< 10	26	< 10	712
3 DM-100	201	229	0.01	40	880	18	4	2	43	< 0.01	10	< 10	18	< 10	826
3 DM-101	201	229	0.03	18	480	18	2	1	37	< 0.01	10	< 10	8	< 10	264
3 DM-102	201	229	< 0.01	28	180	28	2	2	18	< 0.01	10	< 10	32	< 10	242
3 DM-103	201	229	< 0.01	26	120	22	2	2	12	0.01	20	< 10	48	< 10	134
3 DM-104	201	229	< 0.01	38	150	14	2	2	9	< 0.01	20	< 10	56	< 10	206
3 DM-105	201	229	0.05	14	200	8	2	1	16	0.01	10	< 10	24	< 10	78
3 DM-106	201	229	0.04	6	320	2	2	< 1	30	< 0.01	< 10	< 10	6	< 10	12
3 DM-107	201	229	0.02	31	490	20	4	2	31	< 0.01	10	< 10	22	< 10	200
3 KC-001	201	229	< 0.01	43	700	26	6	2	70	< 0.01	< 10	< 10	9	< 10	312
3 KC-002	201	229	< 0.01	109	1050	20	16	3	128	< 0.01	10	< 10	87	< 10	908
3 KC-003	201	229	< 0.01	40	740	8	2	3	28	< 0.01	10	< 10	11	< 10	152
3 KC-004	201	229	< 0.01	50	1110	12	4	2	117	< 0.01	< 10	< 10	10	< 10	718
3 KC-005	201	229	< 0.01	84	960	14	12	3	44	< 0.01	10	< 10	44	< 10	418
3 KC-006	201	229	< 0.01	113	2320	22	32	3	131	< 0.01	10	< 10	97	< 10	780
3 KC-007	201	229	< 0.01	79	790	18	8	2	57	< 0.01	20	< 10	46	< 10	474
3 KC-008	201	229	0.01	39	810	12	2	2	46	< 0.01	20	< 10	22	< 10	248
3 KC-009	201	229	< 0.01	24	890	8	4	3	173	< 0.01	< 10	< 10	6	< 10	174
3 KC-010	201	229	< 0.01	27	480	6	4	3	99	< 0.01	10	< 10	3	< 10	152
3 KC-011	201	229	< 0.01	33	770	14	2	2	33	< 0.01	20	< 10	18	< 10	164
3 KC-012	201	229	< 0.01	51	870	18	6	3	24	< 0.01	20	< 10	17	< 10	222
3 KC-013	201	229	< 0.01	43	820	46	8	2	66	< 0.01	10	< 10	14	< 10	546

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

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: KENNECOTT CANADA, INC.

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

Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Certificate Date: 11-SEP-93
Invoice No. :19320415
P.O. Number :
Account :KAV

CERTIFICATE OF ANALYSIS A9320415

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
3 KC-014	201	229	1.8	0.25	62	240	< 0.5	< 2	2.86	13.0	11	2	62	2.94	< 10	< 1	0.06	< 10	0.21	235	35
3 KC-015	201	229	4.2	0.19	36	240	< 0.5	< 2	8.13	62.5	15	2	69	2.79	< 10	2	0.03	< 10	0.53	195	8
3 KC-016	201	229	1.0	0.38	34	410	< 0.5	< 2	5.91	2.0	10	9	40	2.51	< 10	< 1	0.04	< 10	0.40	150	11
3 KC-017	201	229	1.8	0.67	66	570	< 0.5	< 2	3.81	4.0	11	11	99	3.50	< 10	< 1	0.10	< 10	0.17	200	23
3 KC-018	201	229	1.4	0.36	38	190	< 0.5	< 2	0.80	1.0	7	17	51	1.93	< 10	< 1	0.07	20	0.04	135	32
3 KC-019	201	229	0.4	0.22	22	340	< 0.5	< 2	4.11	1.0	19	2	54	3.03	< 10	< 1	0.06	< 10	0.16	190	6
3 KC-020	201	229	2.2	0.23	44	460	< 0.5	< 2	0.78	1.0	9	6	60	3.02	< 10	< 1	0.13	20	0.04	150	19
3 KC-021	201	229	0.2	0.36	6	140	< 0.5	< 2	0.39	0.5	4	4	13	1.37	< 10	< 1	0.03	10	0.08	155	3
3 KC-022	201	229	2.0	0.41	64	480	< 0.5	< 2	0.86	0.5	15	13	97	5.85	10	< 1	0.20	20	0.07	1565	8
3 KC-023	201	229	2.8	0.40	50	430	< 0.5	< 2	0.77	0.5	15	19	80	5.57	< 10	< 1	0.22	30	0.09	5670	7
3 KC-024	201	229	1.2	0.59	36	1240	< 0.5	< 2	1.23	3.5	20	14	79	6.38	< 10	< 1	0.07	30	0.29	5630	15
3 KC-025	201	229	1.2	0.49	32	140	< 0.5	< 2	2.37	6.0	13	13	64	2.29	< 10	< 1	0.03	20	1.10	480	29
3 KC-026	201	229	2.2	0.73	20	290	< 0.5	< 2	0.42	3.5	10	23	68	2.40	< 10	< 1	0.04	20	0.24	270	10
3 KC-027	201	229	4.4	0.78	54	630	< 0.5	2	1.80	36.0	10	38	205	2.35	< 10	1	0.08	30	0.50	245	65
3 KC-028	201	229	1.2	1.09	22	320	< 0.5	2	0.30	3.5	9	26	56	2.36	< 10	< 1	0.04	20	0.42	280	14
3 KC-029	201	229	4.2	0.87	38	600	< 0.5	2	1.45	34.0	10	25	124	2.05	< 10	1	0.04	30	0.43	375	29
3 KC-030	201	229	1.4	1.15	26	760	< 0.5	< 2	0.42	14.0	9	23	55	2.40	< 10	< 1	0.03	20	0.25	275	17
3 KC-031	201	229	0.4	1.05	16	370	< 0.5	2	0.41	4.5	6	28	38	2.30	< 10	< 1	0.03	20	0.32	200	16
3 KC-032	201	229	5.0	1.15	44	500	< 0.5	2	0.62	26.5	11	33	192	2.63	< 10	< 1	0.05	30	0.37	340	42
3 KC-033	201	229	0.8	1.04	14	2210	0.5	< 2	1.83	6.0	7	46	38	1.85	< 10	< 1	0.06	20	0.30	445	13
3 KC-034	201	229	0.6	0.40	6	850	< 0.5	< 2	1.38	8.0	3	11	25	0.77	< 10	< 1	0.03	10	0.08	410	4
3 KC-035	201	229	2.8	0.72	18	2990	< 0.5	< 2	2.87	27.5	8	47	112	1.61	< 10	< 1	0.07	40	0.73	395	36
3 KC-036	201	229	4.8	0.46	24	2960	< 0.5	< 2	4.52	19.5	6	25	156	1.07	< 10	< 1	0.04	20	0.49	215	28
3 KC-037	201	229	4.2	0.52	32	2210	< 0.5	< 2	3.89	27.5	7	25	170	1.44	< 10	< 1	0.04	20	0.40	255	55
3 KC-038	201	229	2.2	0.42	24	1800	< 0.5	< 2	5.42	15.0	7	11	67	1.59	< 10	< 1	0.04	< 10	0.35	275	43
3 KC-039	201	229	3.4	0.36	62	1150	< 0.5	< 2	2.95	61.5	12	17	201	2.02	< 10	< 1	0.07	10	0.31	345	100
3 KC-040	201	229	2.8	0.30	38	880	< 0.5	< 2	2.89	22.0	7	7	113	1.78	< 10	< 1	0.04	10	0.29	220	62
3 KC-041	201	229	2.0	0.21	32	660	< 0.5	< 2	3.45	15.0	7	7	75	2.11	< 10	< 1	0.04	10	0.29	220	78
3 KC-042	201	229	2.2	0.23	38	770	< 0.5	< 2	4.07	12.5	7	8	93	1.71	< 10	< 1	0.03	< 10	0.46	205	81
3 KC-043	201	229	2.6	0.22	40	470	< 0.5	< 2	4.01	26.0	5	30	131	1.27	< 10	< 1	0.07	10	1.04	180	92
3 KC-044	201	229	2.2	0.49	22	2380	< 0.5	< 2	0.45	13.0	5	24	134	1.90	< 10	< 1	0.07	20	0.09	130	45
3 KC-045	201	229	4.0	0.19	54	1990	< 0.5	< 2	4.97	35.0	13	22	277	2.08	< 10	1	0.04	< 10	1.58	220	76
3 KC-046	201	229	2.2	0.24	38	1090	< 0.5	< 2	1.85	10.5	8	10	108	1.94	< 10	< 1	0.05	20	0.61	150	55
3 KC-047	201	229	2.4	0.32	36	950	< 0.5	< 2	0.50	4.5	6	12	61	1.93	< 10	< 1	0.04	40	0.10	125	53
3 KC-048	201	229	3.2	0.90	32	1440	< 0.5	2	1.10	19.5	12	37	142	1.97	< 10	1	0.04	40	0.34	265	77
3 KC-049	201	229	5.6	0.74	26	7780	0.5	< 2	5.19	16.5	8	94	245	1.58	< 10	< 1	0.13	20	0.93	165	84
3 KC-050	201	229	2.4	0.50	26	7840	< 0.5	< 2	7.23	15.5	7	61	141	1.33	< 10	< 1	0.12	< 10	0.87	80	69
3 KC-051	201	229	1.8	0.11	38	480	< 0.5	< 2	3.81	14.0	7	7	80	2.10	< 10	< 1	0.03	< 10	1.12	185	46
3 KC-052	201	229	2.8	0.38	36	800	< 0.5	< 2	0.88	18.0	5	31	114	2.15	< 10	< 1	0.12	20	0.10	110	68
3 KC-053	201	229	1.4	0.51	30	690	< 0.5	< 2	0.79	6.5	10	12	43	2.23	< 10	< 1	0.04	30	0.10	365	79

CERTIFICATION: Stewart Bachlen

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KENNECOTT CANADA, INC.

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

Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Certificate Date: 11-SEP-93
Invoice No. : I9320415
P.O. Number :
Account : KAV

CERTIFICATE OF ANALYSIS A9320415

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
3 KC-014	201	229	< 0.01	59	900	24	12	1	74	< 0.01	10	< 10	22	< 10	1085
3 KC-015	201	229	0.01	49	920	16	4	2	167	< 0.01	< 10	< 10	8	< 10	4960
3 KC-016	201	229	< 0.01	72	730	18	6	3	185	< 0.01	10	< 10	17	< 10	600
3 KC-017	201	229	< 0.01	153	1030	30	8	2	231	< 0.01	10	< 10	32	< 10	2090
3 KC-018	201	229	< 0.01	92	3890	52	10	2	117	< 0.01	20	< 10	110	< 10	208
3 KC-019	201	229	< 0.01	92	740	8	4	2	105	< 0.01	10	< 10	8	< 10	280
3 KC-020	201	229	< 0.01	57	1380	24	6	1	211	< 0.01	20	< 10	44	< 10	254
3 KC-021	201	229	0.02	14	760	4	< 2	< 1	24	0.02	10	< 10	34	< 10	124
3 KC-022	201	229	< 0.01	117	2820	74	12	2	204	< 0.01	10	< 10	36	< 10	224
3 KC-023	201	229	< 0.01	98	3390	94	12	2	195	< 0.01	10	< 10	37	< 10	292
3 KC-024	201	229	< 0.01	101	2510	42	4	4	101	< 0.01	20	< 10	36	< 10	690
3 KC-025	201	229	< 0.01	103	730	24	14	3	42	0.01	10	< 10	35	< 10	1345
3 KC-026	201	229	< 0.01	82	1010	22	4	3	32	0.01	20	< 10	62	< 10	788
3 KC-027	201	229	0.01	341	1850	100	22	5	112	0.03	20	< 10	323	< 10	6150
3 KC-028	201	229	< 0.01	95	820	18	4	3	21	0.04	20	< 10	78	< 10	1695
3 KC-029	201	229	< 0.01	140	1440	22	18	2	107	0.01	20	< 10	129	< 10	3340
3 KC-030	201	229	< 0.01	72	1330	22	6	2	40	0.01	10	< 10	64	< 10	1130
3 KC-031	201	229	< 0.01	72	960	30	4	1	34	0.02	10	< 10	78	< 10	778
3 KC-032	201	229	< 0.01	281	1650	54	20	3	56	0.02	20	< 10	76	< 10	3270
3 KC-033	201	229	0.01	85	1650	26	4	2	160	0.01	10	< 10	268	< 10	1125
3 KC-034	201	229	0.01	18	1100	8	2	< 1	121	0.02	< 10	< 10	72	< 10	218
3 KC-035	201	229	< 0.01	174	2510	44	8	2	219	0.01	10	< 10	294	< 10	2170
3 KC-036	201	229	< 0.01	154	2040	28	18	1	315	< 0.01	< 10	< 10	111	< 10	1980
3 KC-037	201	229	< 0.01	195	2300	22	18	1	263	< 0.01	20	< 10	144	< 10	2580
3 KC-038	201	229	< 0.01	145	1360	22	6	1	345	< 0.01	< 10	< 10	87	< 10	1735
3 KC-039	201	229	< 0.01	354	1030	24	34	1	248	< 0.01	10	< 10	145	< 10	5740
3 KC-040	201	229	< 0.01	197	1030	24	24	1	218	< 0.01	10	< 10	81	< 10	2300
3 KC-041	201	229	< 0.01	208	1190	36	14	1	261	< 0.01	< 10	< 10	60	< 10	2090
3 KC-042	201	229	< 0.01	211	1270	40	16	1	257	< 0.01	< 10	< 10	87	< 10	1660
3 KC-043	201	229	< 0.01	193	2100	40	18	2	260	< 0.01	< 10	< 10	398	< 10	2260
3 KC-044	201	229	< 0.01	173	1940	34	8	2	262	< 0.01	< 10	< 10	182	< 10	1985
3 KC-045	201	229	< 0.01	374	2420	32	32	2	233	< 0.01	< 10	< 10	139	< 10	4100
3 KC-046	201	229	< 0.01	218	1680	30	20	2	119	< 0.01	< 10	< 10	129	< 10	1580
3 KC-047	201	229	< 0.01	182	1410	26	18	2	77	< 0.01	10	< 10	136	< 10	920
3 KC-048	201	229	< 0.01	287	1330	50	8	3	88	0.01	20	< 10	329	< 10	5420
3 KC-049	201	229	0.01	312	3000	38	14	3	488	0.04	10	< 10	552	< 10	3320
3 KC-050	201	229	< 0.01	249	3330	22	6	2	690	0.01	< 10	< 10	356	< 10	2270
3 KC-051	201	229	< 0.01	188	1310	28	20	2	204	< 0.01	< 10	< 10	88	< 10	1540
3 KC-052	201	229	< 0.01	209	2580	42	22	2	173	< 0.01	20	< 10	183	< 10	2360
3 KC-053	201	229	< 0.01	215	900	28	12	2	96	< 0.01	10	< 10	95	< 10	852

CERTIFICATION: J. Stuart Buchan

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VANCOUVER, BC
V6C 1S4

Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Certificate Date: 11-SEP-93
Invoice No. :19320415
P.O. Number :
Account :KAV

CERTIFICATE OF ANALYSIS A9320415

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
3 KC-054	201	229	0.4	0.43	14	570	< 0.5	< 2	0.46	12.5	6	14	32	1.89	< 10	< 1	0.03	10	0.17	425	19
3 KC-055	201	229	1.2	0.25	24	1170	< 0.5	< 2	3.78	0.5	8	6	42	2.62	< 10	< 1	0.04	10	1.09	320	18
3 KC-056	201	229	0.4	0.44	6	2630	< 0.5	< 2	3.25	1.5	6	7	16	1.35	< 10	< 1	0.02	< 10	0.39	945	4
3 KC-057	201	229	0.4	0.45	8	720	< 0.5	< 2	0.68	1.0	7	8	21	1.52	< 10	< 1	0.03	20	0.13	165	4
3 KC-058	201	229	< 0.2	0.45	< 2	180	< 0.5	< 2	0.23	0.5	3	3	18	0.89	< 10	< 1	0.03	< 10	0.07	95	3
3 KC-059	201	229	0.6	0.71	6	290	< 0.5	< 2	0.34	2.5	10	8	37	1.58	< 10	< 1	0.04	10	0.14	450	8
3 KC-060	201	229	0.4	0.51	6	110	< 0.5	< 2	0.32	1.5	5	1	28	1.30	< 10	< 1	0.03	10	0.09	190	6
3 KC-061	201	229	0.8	0.48	10	920	< 0.5	< 2	1.74	0.5	13	4	33	2.18	< 10	< 1	0.04	20	0.74	305	4
3 KC-062	201	229	1.0	0.35	16	730	< 0.5	< 2	0.68	4.0	15	4	46	2.69	< 10	< 1	0.04	20	0.25	310	12
3 KC-063	201	229	1.6	0.73	16	480	< 0.5	< 2	0.42	8.5	13	6	46	2.34	< 10	< 1	0.06	20	0.11	495	13
3 KC-064	201	229	1.2	0.65	14	660	< 0.5	< 2	0.52	24.0	17	9	59	2.53	< 10	< 1	0.06	10	0.14	660	21
3 KC-065	201	229	0.4	0.63	10	820	< 0.5	< 2	0.49	5.5	11	10	84	1.91	< 10	< 1	0.04	30	0.17	210	7
3 KC-066	201	229	0.4	0.72	18	790	< 0.5	< 2	0.83	8.0	14	7	137	2.48	< 10	< 1	0.04	40	0.27	330	6
3 KC-068	201	229	0.2	0.70	14	420	< 0.5	< 2	0.33	3.5	10	6	22	2.17	< 10	< 1	0.06	20	0.12	425	5
3 KC-069	201	229	0.8	0.69	16	400	< 0.5	< 2	0.33	2.5	74	16	44	2.79	10	< 1	0.07	60	0.20	1080	8
3 KC-070	201	229	0.2	0.70	8	520	< 0.5	2	0.41	0.5	7	8	16	1.67	< 10	< 1	0.04	20	0.19	265	1
3 KC-071	201	229	1.0	0.61	4	440	< 0.5	< 2	0.66	1.5	11	9	45	2.30	< 10	< 1	0.06	20	0.20	435	6
3 KC-072	201	229	0.4	0.85	18	1100	< 0.5	< 2	0.41	0.5	11	13	23	2.29	< 10	< 1	0.05	20	0.19	375	5
3 KC-073	201	229	0.4	0.92	12	1770	< 0.5	< 2	0.36	0.5	12	12	36	2.50	< 10	< 1	0.05	20	0.25	285	4
3 KC-074	201	229	0.4	0.97	14	590	< 0.5	< 2	0.27	0.5	9	13	29	2.50	< 10	< 1	0.03	20	0.21	205	4
3 KC-075	201	229	2.4	0.74	24	1010	< 0.5	< 2	0.29	0.5	10	14	34	2.40	< 10	< 1	0.04	20	0.23	405	4
3 KC-076	201	229	0.2	0.69	8	390	< 0.5	< 2	0.17	0.5	5	9	17	1.48	< 10	< 1	0.04	10	0.12	190	2
3 KC-077	201	229	0.4	0.94	18	1420	< 0.5	2	1.05	8.0	14	10	53	2.17	< 10	< 1	0.07	30	0.39	365	2
3 KC-078	201	229	0.8	0.33	42	720	< 0.5	< 2	1.70	3.0	16	6	45	2.53	10	< 1	0.07	40	0.71	275	3
3 KC-079	201	229	0.4	0.22	40	960	< 0.5	< 2	1.10	0.5	15	3	36	2.59	< 10	< 1	0.05	30	0.49	345	4
3 KC-080	201	229	0.4	0.33	56	1440	< 0.5	< 2	2.77	5.0	13	4	32	2.28	< 10	< 1	0.06	20	1.26	315	4
3 KC-081	201	229	1.0	0.75	30	1310	< 0.5	< 2	1.02	13.0	14	5	28	2.35	< 10	< 1	0.09	30	0.42	330	6
3 KC-082	201	229	0.8	0.42	24	570	< 0.5	2	1.35	3.5	20	6	42	2.99	< 10	< 1	0.07	30	0.67	355	7
3 KC-083	201	229	1.2	0.61	32	1090	< 0.5	< 2	0.87	8.5	18	6	61	2.92	< 10	< 1	0.04	20	0.35	290	11
3 KC-084	201	229	2.6	0.31	20	870	< 0.5	2	1.75	11.0	13	4	97	2.88	< 10	< 1	0.04	20	0.89	315	41
3 KC-085	201	229	2.4	0.58	24	2130	< 0.5	< 2	1.33	20.5	14	16	116	2.67	< 10	< 1	0.09	10	0.43	290	39
3 KC-086	201	229	0.6	0.33	20	500	< 0.5	< 2	2.79	5.5	10	2	45	2.15	< 10	< 1	0.04	10	1.26	285	33
3 KC-087	201	229	2.4	0.26	32	350	< 0.5	< 2	2.51	28.0	12	10	132	1.68	< 10	< 1	0.06	10	1.17	420	33
3 KC-088	201	229	3.4	0.43	40	1860	< 0.5	< 2	0.85	32.5	12	25	149	2.10	< 10	< 1	0.09	20	0.24	230	57
3 KC-089	201	229	3.8	0.38	22	1390	< 0.5	< 2	0.68	15.5	11	16	106	1.89	10	< 1	0.11	20	0.16	230	30
3 KC-090	201	229	0.8	0.18	44	240	< 0.5	< 2	0.08	< 0.5	< 1	11	28	1.47	< 10	< 1	0.04	20	0.01	35	5
3 KC-091	201	229	1.8	0.30	10	830	< 0.5	< 2	0.38	5.0	2	9	39	1.27	< 10	< 1	0.08	20	0.02	70	14
3 KC-092	201	229	1.4	0.29	66	100	< 0.5	< 2	0.04	2.5	10	21	148	3.85	< 10	< 1	0.04	30	0.01	225	10
3 KC-093	201	229	2.0	0.28	64	220	< 0.5	< 2	0.06	0.5	7	11	124	3.74	< 10	< 1	0.13	10	0.03	255	3
3 KC-094	201	229	1.4	0.58	40	360	< 0.5	< 2	0.81	2.0	7	16	61	2.29	< 10	< 1	0.07	20	0.19	210	12

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

: KENNECOTT CANADA, INC.

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

Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Certificate Date: 11-SEP-93
Invoice No. : I9320415
P.O. Number :
Account :KAV

CERTIFICATE OF ANALYSIS A9320415

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
3 KC-054	201	229	< 0.01	68	1210	22	2	1	43	< 0.01	< 10	< 10	80	< 10	560
3 KC-055	201	229	< 0.01	63	1870	36	6	2	145	< 0.01	< 10	< 10	35	< 10	234
3 KC-056	201	229	< 0.01	25	1600	18	2	< 1	106	< 0.01	< 10	< 10	25	< 10	84
3 KC-057	201	229	0.01	29	830	24	4	1	23	< 0.01	< 10	< 10	17	< 10	254
3 KC-058	201	229	0.04	10	450	4	< 2	< 1	17	0.02	< 10	< 10	28	< 10	50
3 KC-059	201	229	0.03	52	850	12	2	1	19	0.02	10	< 10	25	< 10	430
3 KC-060	201	229	0.04	24	680	6	2	< 1	17	0.03	< 10	< 10	35	< 10	182
3 KC-061	201	229	< 0.01	53	840	28	2	1	48	< 0.01	< 10	< 10	11	< 10	218
3 KC-062	201	229	< 0.01	94	1110	30	4	1	42	< 0.01	10	< 10	13	< 10	740
3 KC-063	201	229	0.03	113	1050	28	6	2	34	< 0.01	10	< 10	19	< 10	998
3 KC-064	201	229	0.01	129	1400	32	6	1	35	< 0.01	10	< 10	36	< 10	1105
3 KC-065	201	229	0.01	61	980	22	4	2	47	0.01	10	< 10	32	< 10	356
3 KC-066	201	229	0.01	88	960	32	4	2	56	< 0.01	10	< 10	39	< 10	396
3 KC-068	201	229	0.03	45	860	12	2	1	18	0.01	10	< 10	28	< 10	296
3 KC-069	201	229	< 0.01	140	750	24	4	4	18	0.01	30	< 10	26	< 10	966
3 KC-070	201	229	0.04	30	490	8	< 2	1	16	0.01	10	< 10	23	< 10	164
3 KC-071	201	229	< 0.01	80	890	20	2	2	39	< 0.01	10	< 10	17	< 10	324
3 KC-072	201	229	< 0.01	41	1160	18	4	2	23	< 0.01	< 10	< 10	28	< 10	184
3 KC-073	201	229	< 0.01	46	510	20	2	2	22	< 0.01	< 10	< 10	28	< 10	176
3 KC-074	201	229	< 0.01	42	910	18	4	2	20	0.01	< 10	< 10	28	< 10	222
3 KC-075	201	229	0.01	47	1030	174	12	2	25	0.01	10	< 10	33	< 10	190
3 KC-076	201	229	0.02	23	740	12	2	1	12	0.01	10	< 10	29	< 10	98
3 KC-077	201	229	0.01	87	1370	20	6	2	48	< 0.01	20	< 10	28	< 10	388
3 KC-078	201	229	< 0.01	82	1310	22	10	2	78	< 0.01	20	< 10	14	< 10	338
3 KC-079	201	229	< 0.01	68	700	20	6	2	39	< 0.01	10	< 10	9	< 10	252
3 KC-080	201	229	< 0.01	89	760	12	12	2	74	< 0.01	10	< 10	17	< 10	358
3 KC-081	201	229	0.01	110	1080	18	10	2	45	< 0.01	10	< 10	30	< 10	546
3 KC-082	201	229	< 0.01	101	830	28	10	2	64	< 0.01	10	< 10	19	< 10	732
3 KC-083	201	229	< 0.01	141	860	34	12	2	61	< 0.01	10	< 10	37	< 10	926
3 KC-084	201	229	0.01	148	940	36	30	2	59	< 0.01	10	< 10	34	< 10	1090
3 KC-085	201	229	< 0.01	175	1900	30	18	2	216	< 0.01	10	< 10	99	< 10	1530
3 KC-086	201	229	< 0.01	105	1060	24	8	1	72	< 0.01	10	< 10	14	< 10	500
3 KC-087	201	229	< 0.01	159	1590	26	24	1	113	< 0.01	< 10	< 10	61	< 10	2020
3 KC-088	201	229	< 0.01	192	2470	42	24	2	262	< 0.01	20	< 10	183	< 10	2060
3 KC-089	201	229	< 0.01	133	2790	46	22	2	321	< 0.01	10	< 10	87	< 10	1150
3 KC-090	201	229	< 0.01	10	400	24	4	< 1	44	< 0.01	10	< 10	19	< 10	66
3 KC-091	201	229	< 0.01	45	2220	28	6	1	208	< 0.01	10	< 10	44	< 10	374
3 KC-092	201	229	< 0.01	108	490	18	12	2	37	< 0.01	10	< 10	30	< 10	714
3 KC-093	201	229	< 0.01	54	510	28	6	2	56	< 0.01	10	< 10	21	< 10	162
3 KC-094	201	229	0.01	66	1340	24	6	1	77	< 0.01	10	< 10	65	< 10	330

CERTIFICATION: Gary Bidlen

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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: KENNECOTT CANADA, INC.

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

Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Page Nu .r :6-A
Total Pages :6
Certificate Date: 11-SEP-93
Invoice No. :I9320415
P.O. Number :
Account :KAV

CERTIFICATE OF ANALYSIS A9320415

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
3 KC-095	201	229	1.4	0.64	34	260	< 0.5	< 2	1.05	1.5	6	11	57	1.91	< 10	< 1	0.04	10	0.13	205	9
3 KC-096	201	229	1.4	0.63	28	340	< 0.5	< 2	0.96	1.5	8	12	52	2.55	< 10	< 1	0.04	20	0.12	325	9
3 KC-097	201	229	1.6	0.57	34	350	< 0.5	< 2	1.31	1.5	8	13	62	2.65	< 10	< 1	0.07	20	0.14	390	7
3 KC-098	201	229	0.8	0.53	16	290	< 0.5	< 2	0.77	< 0.5	3	6	27	1.29	< 10	< 1	0.03	10	0.10	125	2
L3RH-001	201	229	0.6	0.57	84	1060	< 0.5	< 2	0.62	16.0	11	7	139	4.80	< 10	< 1	0.06	20	0.14	125	28

CERTIFICATION: Stan H. Bichler

Chemex Labs Ltd.

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: KENNECOTT CANADA, INC.

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

Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Certificate Date: 11-SEP-93
Invoice No. : I9320415
P.O. Number :
Account :KAV

CERTIFICATE OF ANALYSIS A9320415

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
3 KC-095	201	229	0.02	50	1700	20	6	1	75	0.01	10	< 10	80	< 10	254
3 KC-096	201	229	0.01	62	2730	32	6	2	54	< 0.01	10	< 10	76	< 10	338
3 KC-097	201	229	0.01	71	3350	30	4	2	58	< 0.01	20	< 10	54	< 10	334
3 KC-098	201	229	0.04	21	1480	14	2	1	44	0.01	10	< 10	42	< 10	98
L3RH-001	201	229	0.01	126	1370	22	12	3	114	< 0.01	10	< 10	57	< 10	948

CERTIFICATION: Ken H Buchholz

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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KENNECOTT CANADA, INC.

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

A9320416

Comments: CC: R. HULSTEIN

CERTIFICATE A9320416

KENNECOTT CANADA, INC.

Project: BRENDAN #03-436
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 9-SEP-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	27	Geochem ring to approx 150 mesh
274	27	0-15 lb crush and split
229	27	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	27	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	27	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	27	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	27	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	27	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	27	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	27	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	27	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	27	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	27	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	27	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	27	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	27	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	27	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	27	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	27	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	27	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	27	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	27	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	27	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	27	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	27	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	27	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	27	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	27	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	27	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	27	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	27	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	27	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	27	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	27	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	27	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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KENNECOTT CANADA, INC.

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

Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Page Nu : 1-B
Total Pages : 1
Certificate Date: 09-SEP-93
Invoice No. : I9320416
P.O. Number :
Account : KAV

CERTIFICATE OF ANALYSIS A9320416

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
VR05876	205	274	< 0.01	8	80	8	2	1	477	< 0.01	< 10	< 10	8	10	150
VR05877	205	274	< 0.01	21	140	6	< 2	1	39	< 0.01	< 10	< 10	21	10	>10000
VR05878	205	274	0.01	7	210	4	< 2	2	669	< 0.01	< 10	< 10	7	10	7430
VR05879	205	274	< 0.01	16	170	6	< 2	1	79	< 0.01	< 10	< 10	18	10	>10000
VR05880	205	274	< 0.01	18	160	8	< 2	1	54	< 0.01	< 10	< 10	20	10	>10000
VR05881	205	274	0.01	56	790	20	10	1	638	< 0.01	< 10	< 10	486	10	2330
VR05882	205	274	< 0.01	6	120	4	1355	< 1	266	< 0.01	< 10	< 10	12	10	2850
VR05883	205	274	< 0.01	60	1390	16	28	< 1	75	< 0.01	< 10	< 10	132	< 10	724
VR05884	205	274	< 0.01	122	1420	26	30	1	128	< 0.01	< 10	< 10	257	< 10	1250
VR05885	205	274	0.01	24	900	4	2	1	1355	< 0.01	< 10	< 10	207	10	264
VR05886	205	274	< 0.01	66	730	14	4	2	586	< 0.01	< 10	< 10	251	10	582
VR05887	205	274	0.01	149	970	10	4	2	567	< 0.01	< 10	< 10	309	20	2360
VR05888	205	274	< 0.01	33	480	6	6	1	75	< 0.01	< 10	< 10	25	< 10	188
VR05889	205	274	< 0.01	24	700	14	< 2	1	64	< 0.01	< 10	< 10	15	< 10	486
VR05890	205	274	< 0.01	20	200	2	4	< 1	21	< 0.01	< 10	< 10	7	< 10	128
VR05891	205	274	< 0.01	42	740	4	8	1	35	< 0.01	< 10	< 10	26	< 10	188
VR05892	205	274	0.01	50	630	12	6	1	82	< 0.01	< 10	< 10	25	< 10	254
VR05893	205	274	0.01	43	350	8	8	1	154	< 0.01	< 10	< 10	65	10	592
VR05894	205	274	0.01	53	470	8	6	1	101	< 0.01	< 10	< 10	24	10	244
VR05895	205	274	0.01	57	440	8	6	1	104	< 0.01	< 10	< 10	43	10	386
VR05896	205	274	< 0.01	34	390	4	4	1	86	< 0.01	< 10	< 10	42	10	288
VR05897	205	274	0.01	105	770	16	2	1	181	< 0.01	< 10	< 10	208	10	1705
VR05898	205	274	0.01	102	640	16	8	1	361	< 0.01	< 10	< 10	171	10	1415
VR05899	205	274	0.01	44	340	18	2	1	1625	0.01	< 10	< 10	158	20	282
VR05900	205	274	0.01	140	450	16	20	2	308	0.02	< 10	< 10	215	10	524
VR05901	205	274	0.01	135	1090	24	2	1	117	< 0.01	< 10	< 10	935	10	3880
VR05902	205	274	0.02	16	720	4	12	2	44	< 0.01	< 10	< 10	34	< 10	180

CERTIFICATION: Stuart Bichler

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KENNECOTT CANADA, INC.

354 - 200 GRANVILLE ST.
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V6C 1S4

Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Page Nu : 1-A
Total Pages : 1
Certificate Date: 09-SEP-93
Invoice No. : I9320416
P.O. Number :
Account : KAV

CERTIFICATE OF ANALYSIS A9320416

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
VR05876	205	274	0.4	0.10	2	220	< 0.5	< 2	>15.00	1.0	1	12	13	0.38	< 10	< 1	0.04	< 10	0.45	120	1
VR05877	205	274	60.2	0.20	8	400	< 0.5	< 2	2.95	>100.0	2	126	30	1.51	< 10	47	0.08	< 10	1.14	235	5
VR05878	205	274	6.2	0.18	< 2	250	< 0.5	< 2	>15.00	>100.0	2	17	9	0.83	< 10	2	0.08	< 10	0.91	170	< 1
VR05879	205	274	56.6	0.15	8	300	< 0.5	< 2	5.02	>100.0	1	59	27	1.54	< 10	27	0.06	< 10	1.75	300	3
VR05880	205	274	66.8	0.26	14	410	< 0.5	< 2	3.11	>100.0	2	68	20	1.31	< 10	37	0.11	< 10	1.10	230	4
VR05881	205	274	3.6	0.22	20	620	< 0.5	< 2	9.94	42.5	< 1	70	71	0.38	< 10	2	0.10	10	2.12	155	28
VR05882	205	274	86.4	0.04	1180	360	< 0.5	4	3.53	65.0	< 1	229	4270	0.25	< 10	4	< 0.01	< 10	0.52	55	1
VR05883	205	274	2.6	0.16	30	340	< 0.5	< 2	1.39	11.0	2	147	89	0.46	< 10	< 1	0.07	10	0.35	70	18
VR05884	205	274	5.0	0.30	44	680	< 0.5	< 2	1.91	17.5	3	168	136	0.58	< 10	2	0.12	20	0.37	120	29
VR05885	205	274	1.0	0.15	2	1290	< 0.5	< 2	>15.00	6.0	< 1	49	35	0.20	< 10	< 1	0.06	10	2.10	100	9
VR05886	205	274	0.6	0.13	2	3190	< 0.5	< 2	>15.00	19.0	3	52	45	0.37	< 10	< 1	0.04	< 10	0.63	810	11
VR05887	205	274	0.8	0.28	16	3150	< 0.5	< 2	11.25	21.0	8	46	59	0.88	< 10	< 1	0.11	< 10	2.54	235	28
VR05888	205	274	0.4	0.32	14	480	< 0.5	2	3.62	2.5	3	81	18	1.01	< 10	< 1	0.19	10	1.54	185	11
VR05889	205	274	0.4	0.49	4	570	< 0.5	< 2	2.24	4.0	3	51	24	1.39	< 10	1	0.27	20	1.09	140	3
VR05890	205	274	0.2	0.12	8	100	< 0.5	< 2	1.07	0.5	2	222	7	0.76	< 10	< 1	0.06	< 10	0.49	105	2
VR05891	205	274	0.4	0.40	26	170	< 0.5	< 2	2.06	1.5	4	76	26	1.30	< 10	< 1	0.24	20	0.93	150	13
VR05892	205	274	0.2	0.50	18	220	< 0.5	< 2	3.54	1.5	6	81	27	1.33	< 10	< 1	0.26	10	1.79	205	15
VR05893	205	274	0.4	0.27	18	150	< 0.5	< 2	8.39	8.0	2	34	43	0.64	< 10	< 1	0.15	10	3.80	160	21
VR05894	205	274	0.2	0.41	12	430	< 0.5	< 2	5.55	1.0	5	50	22	1.82	< 10	< 1	0.21	10	2.67	235	22
VR05895	205	274	0.2	0.31	6	550	< 0.5	< 2	7.18	2.0	3	33	27	0.99	< 10	< 1	0.18	10	4.17	200	25
VR05896	205	274	0.4	0.22	20	120	< 0.5	< 2	8.28	1.5	2	39	32	1.28	< 10	< 1	0.14	< 10	4.71	175	15
VR05897	205	274	0.6	0.41	12	460	< 0.5	< 2	2.94	27.5	3	76	30	1.23	< 10	< 1	0.17	10	0.65	100	34
VR05898	205	274	1.2	0.36	16	650	< 0.5	< 2	4.79	15.5	3	65	46	0.92	< 10	< 1	0.15	10	1.43	135	37
VR05899	205	274	0.2	0.62	4	>10000	< 0.5	< 2	14.20	2.0	2	45	31	0.32	< 10	< 1	0.02	< 10	8.02	400	23
VR05900	205	274	2.0	1.10	46	>10000	< 0.5	2	3.35	4.0	5	112	146	1.26	< 10	< 1	0.16	10	0.45	105	65
VR05901	205	274	1.2	0.42	20	520	< 0.5	< 2	3.68	62.0	3	126	123	0.62	< 10	< 1	0.18	10	0.76	85	53
VR05902	205	274	0.2	0.60	346	800	< 0.5	< 2	0.07	1.5	1	45	42	6.29	< 10	< 1	0.23	20	0.03	5	25

CERTIFICATION: Ian Bucklen

Chemex Labs Ltd.

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

To: KENNECOTT CANADA, INC.

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

Project : BRENDAN #03-436
Comments: CC: R. HULSTEIN

Page Number :1
Total Pages :1
Certificate Date: 14-SEP-93
Invoice No. :I9320968
P.O. Number :
Account :KAY

CERTIFICATE OF ANALYSIS A9320968

SAMPLE	PREP CODE		Zn %	Ag g/t								
VRO5877	244	--	6.74	108.0	1.0m							
VRO5879	244	--	5.88	71.5	1.2m							
VRO5880	244	--	7.68	85.6	1.2m							
VRO5882	244	--	-----	93.3	Flow?							

CERTIFICATION:

APPENDIX B

ROCK SAMPLE DESCRIPTIONS

KENNECOTT CANADA INC. ROCK SAMPLE DESCRIPTIONS

BRENDAN PROPERTY; NTS: 105F/15 & 105F/16; AUGUST 18,19, 1993; Sampled By: R.HULSTEIN

SAMPLE #	LOCATION	DESCRIPTION	Width (m)	Zn ppm	Ag ppm
VR05876	Angie Showing	Grey limestone, minor black siltstone with carbonaceous partings.	1.00 chip	150	60.0
VR05877	Angie Showing	Dark grey siltstone, weakly calcareous, fissile <5% diss. py, <5% sph.	1.00 chip	6.74%	108.0
VR05878	Angie Showing	Dark grey limestone, siltstone, banded, flaggy no visible mineralization.	1.00 chip	7430	6.2
VR05879	Angie Showing	Grey weakly calcareous siltstone, fissile 5% diss sph, 2-5% diss limonite blebs.	1.70 chip	5.88%	71.5
VR05880	Angie Showing	Dark grey silty limestone, carbonaceous, fissile, 5% diss. limonite on veins-fractures 2-5% diss and vnlets of sph, <5% diss pyrite.	1.70 chip	7.68%	85.6
VR05881	North of Angie Showing	Grey limestone, mudstone, fissile, 10% calcite vning, 5% qtz vning, 1% diss. mal coatings, <1% limonite, minor bx.	Grab Scree	2330	3.6
VR05882	North of Angie Showing	Quartz vein float, vuggy, 3% diss mal, <1% diss azurite, <1% tetrahedrite 10m north of 881.	Grab Scree	2850	95.3
VR05883	North of Angie Showing	Dark grey vuggy mudstone, flaggy, 5% vuggy qtz, 5% calcite, <0.5% limonite. 20 m north of 882	Grab Scree	724	2.6
VR05884	North of Angie Showing	Black-dark grey lam. chert. 5% qtz veins. 100m north of road.	Grab Scree	1250	5.0
VR05885	North of Angie Showing	Dark grey limestone, 5% calcite veining.	Grab Scree	264	1.0
VR05886	North of Angie Showing	Dark grey limestone breccia, 10% calcite veining, <0.5% diss py in clasts.	Grab Scree	582	0.6
VR05887	North of Angie Showing	Limestone float, laminated, trace limonite 5% graphite	Grab Scree	2360	0.8
VR05888	NW of Ross Trenches	Dark grey siltstone, possible tuff, weakly calcareous	Grab Scree	188	0.4

KENNECOTT CANADA INC. ROCK SAMPLE DESCRIPTIONS

BRENDAN PROPERTY; NTS: 105F/15 & 105F/16; AUGUST 18,19, 1993; Sampled By: R.HULSTEIN

SAMPLE #	LOCATION	DESCRIPTION	Width (m)	Zn ppm	Ag ppm
VR05889	NW of Ross Showing	Grey mudstone, siltstone, laminated, 2% limonite. 50m east of 888.	0.30 m chip	486	0.4
VR05890	NW of Ross Showing	Buff quartzite, 4% diss limonite. 103m from 888.	Grab outcrop	128	0.2
VR05891	NW of Ross Trenches	Dark grey silty quartzite, fissile, 2% diss limonite, 122m from 888.	3.0m chip	188	0.4
VR05892	NW of Ross Trenches	Dark grey siltstone, fissile, 155m SE of 888.	Grab outcrop	254	0.2
VR05893	NW of Ross Trenches	Black mudstone, fissile, calcareous. 155m SE of 888.	2.0m chip	592	0.4
VR05894	Ross Trenches	Black mudstone, siltstone, calcareous, fissile, 8% lim in 8cm band.	1.2 m chip	244	0.2
VR05895	Ross Trenches	Dark grey laminated limy mudstone. Directly below 894.	6.0m chip	386	0.2
VR05896	Ross Trenches	As 5895.	2.5m chip	288	0.4
VR05897	Ross Trenches	Dark grey-black graphitic mudstone. 0.5% diss limonite, 0.5% diss barite, 2% cal.	2.8m chip	1705	0.6
VR05898	Ross Trenches	Dark grey-black graphitic mudstone. 0.5% hydrozincite, tr lim., 1% cal vns.	4.5m chip	1415	1.2
VR05899	Ross Trenches	Dark grey massive graphitic, limy mudstone, 5% calcite veinlets.	2.1m subcrop	282	0.2
VR05900	Ross Trenches	Dark grey, fissile, weakly calcareous graphitic mudstone. Trace malachite. Collected below 899.	2.0m subcrop	524	2.0
VR05901	Ross Trenches	Dark grey mudstone, graphitic, fissile, 2% calcite veinlets.	Grab Subcrop	3880	1.2
VR05902	Pyrite Creek N of Ross Trenches	Dark grey limonitic shaly mudstone, laminated, fissile, limonitic.	1.5m chip	180	0.2

MAP NO.: 105F 15/16

ASSESSMENT REPORT
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093187
MINING DISTRICT: WATSON LAKE
TYPE OF WORK: GEOLOGY, GEOCHEM

REPORT FILED UNDER: KENNECOTT

DATE PERFORMED: AUG 18, 19, 1993 **DATE FILED:** APRIL 12, 1994

LOCATION: **LAT.:** 61°52'N **AREA:** ROSS RIVER

LONG.: 132°32'W **VALUE $:** 11,300

CLAIM NAME & NO.: BRENDEN 1-56(YB35026-081)

WORK DONE BY: ROGER HULSTEIN

WORK DONE FOR: KENNECOTT CANADA INC.

DATE TO GOOD STANDING:	

REMARKS: 205 SOIL AND 27 ROCK SAMPLES COLLECTED

news approval

COPY

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Mt Ross
MINFILE #: 105F 115
MAJOR COMMODITIES: Zn,Ba
MINOR COMMODITIES: Cu,Ag
TECTONIC ELEMENT: Selwyn Basin
NTS MAP SHEET: 105 F 15
LATITUDE: 61°51'12"N
LONGITUDE: 132°34'20"W
DEPOSIT TYPE: Sedex
STATUS: Showing

CLAIMS (PREVIOUS AND CURRENT)

ANGIE, BRENDAN

WORK HISTORY

Staked as part of a large block of Angie cl (YA20427) in Jun/77 by the Woodside Project (Getty & Welcome North), which performed mapping, geochem sampling and trenching in 1978 and 1979.

Restaked Aug/92 as part of a block of 56 Brendan cl (YB35026) by B. Hall and G. Seybold, who transferred the property to Cascade Pacific Explorations Ltd. Under the terms of an option agreement, Kennecott Canada Inc. performed geological mapping, soil geochemical sampling and hand trenching in Sept/93.

GEOLOGY

Mineralization at the Angie showing occurs in Siluro-Devonian shale, argillite, siltstone and silty limestone underlain by 50 m of orthoquartzite cut by quartz veins. Azurite, malachite, chalcopyrite and tetrahedrite occur as blebs and disseminations in tourmaline-siderite-quartz boudins and veins in the orthoquartzite unit. Hydrozincite and smithsonite occur as coatings on fractures and along bedding plane partings in argillite, and quartz veins parallel to bedding contain coarse blebs of smithsonite.

Brecciated limestone interbeds contain smithsonite and hydrozincite grading up to 13.8% Zn over 1.0 m, and up to 1% barite. Other sections grade up to 1% Zn over 15 m and 4.8% over 4 m.

Rock sampling of the Angie showing in 1993 returned up to 7.68% zinc and 108 g/t silver over a true width of 1.75 metres.

A massive pyrite showing (the Ross) occurs in an extremely gossanous bed 3 km northeast of Mt Ross. From 10 to 20% pyrite occurs in black siliceous shale, and soil sampling nearby returned coincident anomalies of 215 ppm Pb, 1900 ppm Zn, and 6.2 ppm Ag. One specimen of yellow-stained plumbojarosite assayed 3500 ppm Pb and 2200 ppm Zn. The 1993 grab and rock chip sampling returned values of 3880 ppm Zn, 2.0 ppm Ag and > 10,000 ppm Ba.

REFERENCES

KENNECOTT CANADA INC., Mar/94. Assessment Report #093187 by R. Hulstein.

WOODSIDE PROJECT, Jan/79. Assessment Report #090463 by H.F. Foster and R.T. Holland.

needs approval

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Mt Ross
MINFILE #: 105F 115
MAJOR COMMODITIES: Zn,Ba
MINOR COMMODITIES: Cu,Ag
TECTONIC ELEMENT: Selwyn Basin
NTS MAP SHEET: 105 F 15
LATITUDE: 61°51'12"N
LONGITUDE: 132°34'20"W
DEPOSIT TYPE: Sedex
STATUS: Showing

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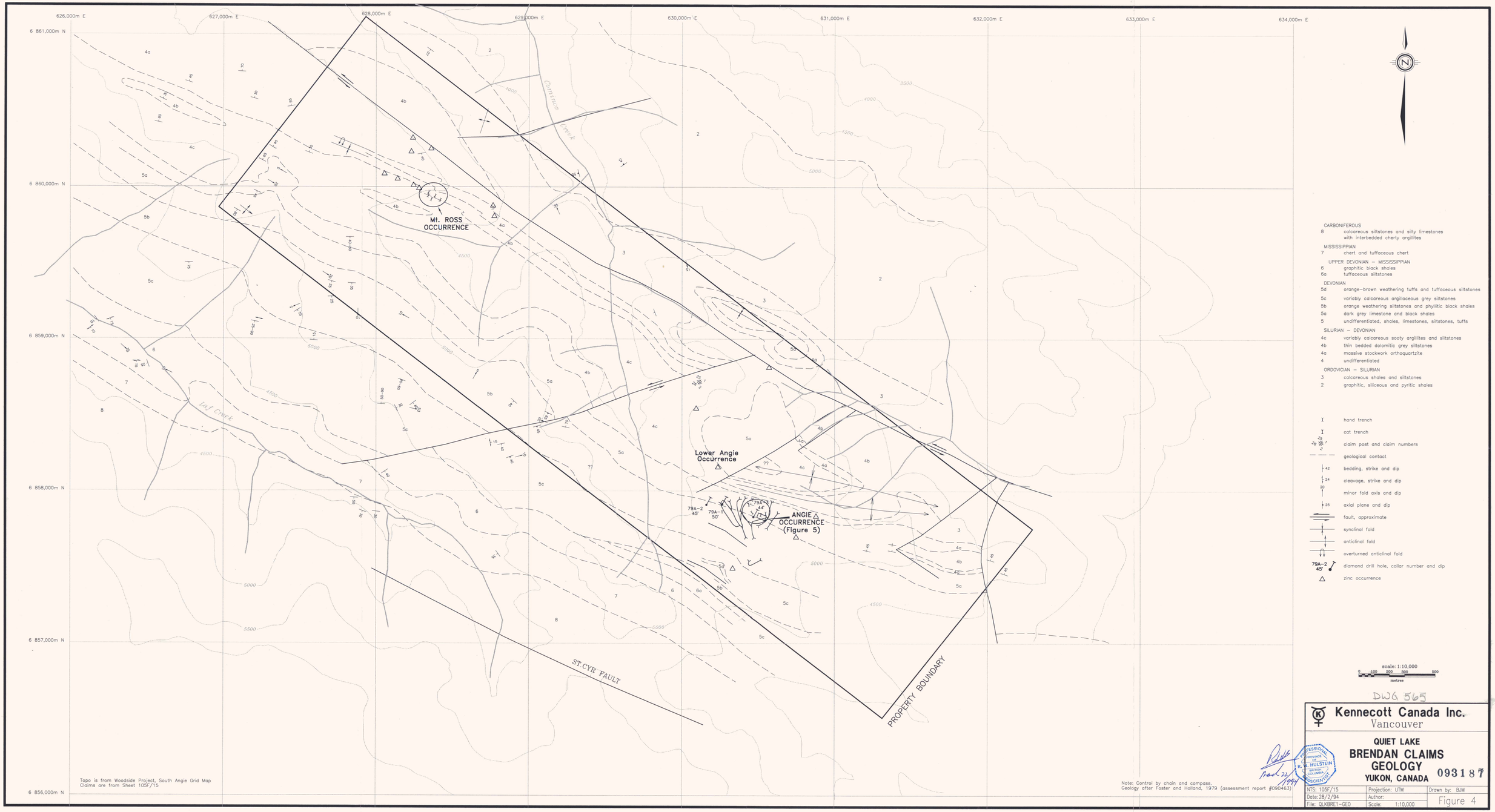
WOODSIDE PROJECT, Jan/79. Assessment Report #090463 by H.F. Foster and R.T. Holland.



Topo is from Woodside Project, South Angie Grid Map
Claims are from Sheet 105F/15

Note: Control by chain and compass.
Geology after Foster and Holland, 1979 (assessment report #090463)

DWG 565

Kennecott Canada Inc.
Vancouver

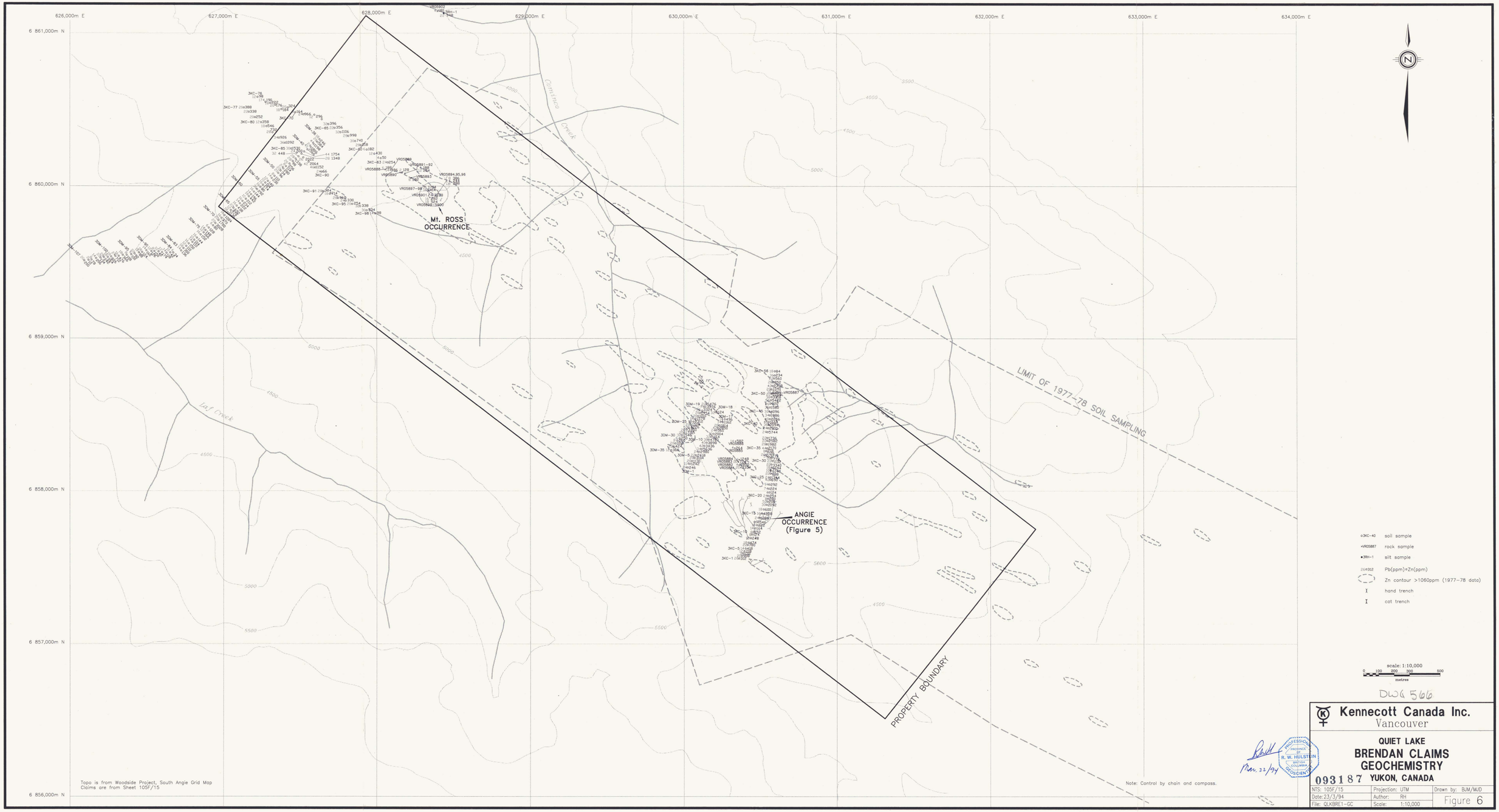
QUIET LAKE
BRENDAN CLAIMS
GEOLOGY
YUKON, CANADA

093187

NTS: 105F/15	Projection: UTM	Drawn by: BJM
Date: 28/2/94	Author:	Figure 4
File: QLKBRE1-GEO	Scale: 1:10,000	

PROFESSIONAL ENGINEERS PROVINCE OF BRITISH COLUMBIA R. W. HULSTEIN BRITISH COLUMBIA SCIENTIST

Mar 22/1994



Topo is from Woodside Project, South Angie Grid Map
Claims are from Sheet 105F/15

Note: Control by chain and compass.

DLG 566

Kennecott Canada Inc.
Vancouver

QUIET LAKE
BRENDAN CLAIMS GEOCHEMISTRY
093187 YUKON, CANADA

NTS: 105F/15	Projection: UTM	Drawn by: BJM/MJD
Date: 23/3/94	Author: RH	Figure 6
File: QLKBRE1-GC	Scale: 1:10,000	

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R. W. HULSTEIN
SCIENTIST

Mar. 22/94