093208

ASSESSMENT REPORT ON A 1993 PROSPECTING, SOIL SAMPLING, MAPPING, AND DRILLING PROGRAM

DAWSON MINING DISTRICT
NTS 115O/14
63° 51'N, 139° 15'W

CAL 1-12 YB30653-64
CAL 14-27 YB30666-79
~~Cal 1-27 (YB30653 - YB30679)~~
Rado 1-16 (YB17012 - YB17027)
Rado 53-70 (YB17064-YB17081)
Rado 107-116 (YB17114-YB17123)
Rado 121-138 (YB17128-YB17145)
Rado 168-189 (YB17175-YB17195)
Rado 190-195 (YB17456-YB17461)

Work conducted: April 25- June 7, 1993

OWNERS:
Wealth Resources Ltd.,
Arbor Resources Inc., and
Rise Resources Inc.
Suite 1000 - 675 West Hastings Street
Vancouver, B.C.
V6B 1N6

OPERATOR:
KENNECOTT CANADA INC.
354 - 200 Granville Street
Vancouver, B.C.
V6C 1S4

Prepared by: R. Cranswick
A. Doyle

April 7, 1994

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APPENDICES

1.0 INTRODUCTION

The Cal and Rado claims cover the area immediately southwest of the Lone Star property. These blocks were staked to expand Arbor Resources et al's overall claim package south and west of the Cullen and Violet occurrences. Through an option agreement with Arbor Resources et al, Kennecott has the opportunity to earn an interest in the claims and operated the project in 1993.

Work on the Cal and Rado claims consisted of ridge and spur soil sampling, prospecting, and mapping. One reverse circulation drill hole on the adjacent Lone Star property is also being applied for assessment. Drilling was conducted between April 25 and May 1, 1993 and Cal/Rado work was conducted between June 2 and June 7, 1993.

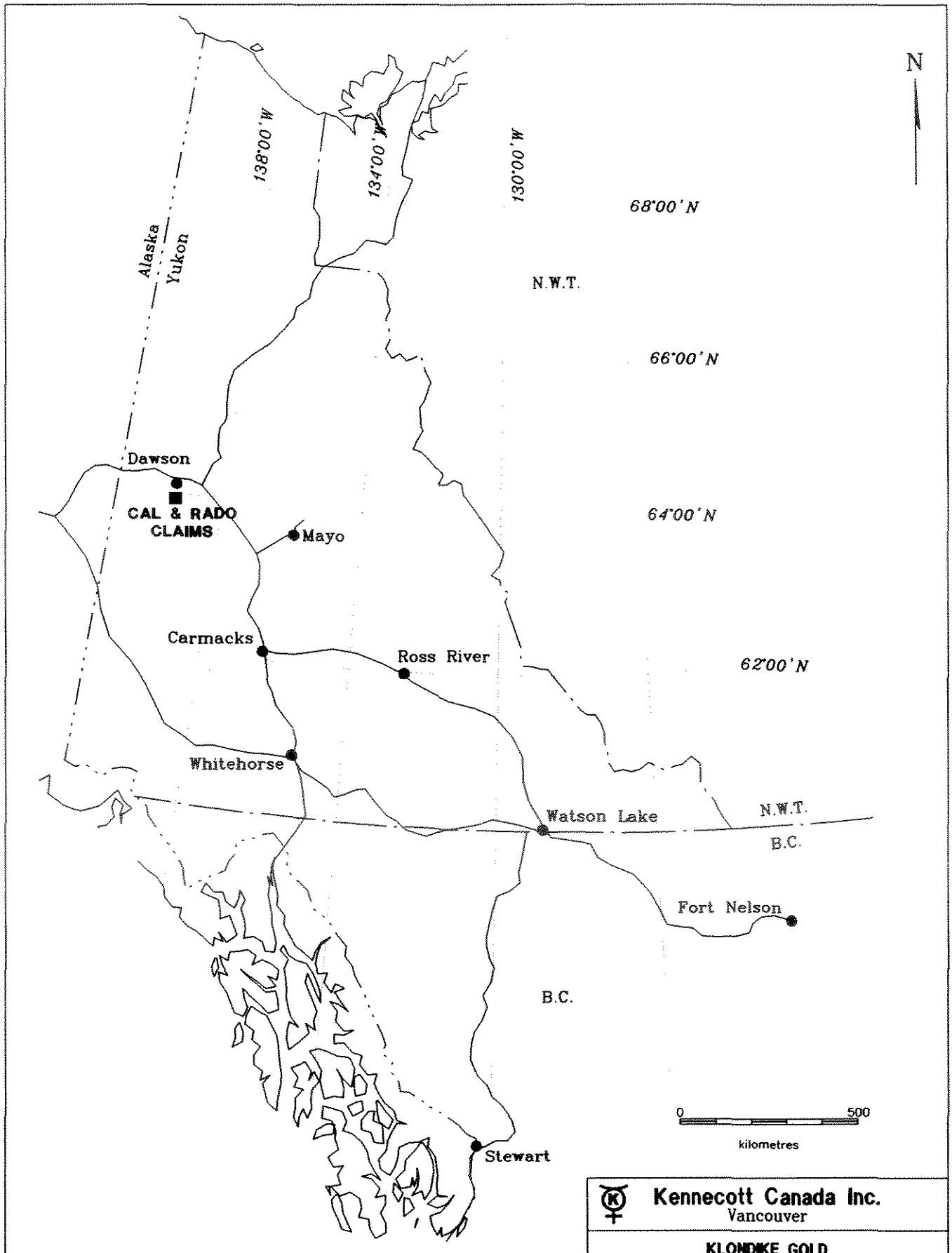
2.0 LOCATION, ACCESS AND TOPOGRAPHY

The Cal and Rado claims are located in west-central Yukon, approximately 25 km south-southeast of Dawson City (Figure 1). The property is centred at 63°51′ N latitude and 139°15′ W longitude within NTS map area 115O/14.

The Cal and Rado properties span a northwest trending ridge dividing the Indian River and Klondike River drainages. The northern portion of the claims drains into Eldorado Creek, while the southern portion covers the headwaters of Ophir Creek, a tributary of the Indian River.

The property area is accessed by a gravel road that follows Bonanza and Eldorado creeks to Chief Gulch. At Chief Gulch, the road branches south to cover the eastern half of the Cal claims and to the west to cover the southern half of the Rado claims. Dawson City serves as the service and supply centre for the area.

The Cal and Rado properties are situated within the Klondike Plateau. Gentle rolling hills predominate and relief is moderate. Elevations range from 700m in creek bottoms to 900m on ridges. Natural outcrop exposures are uncommon and are largely confined to ridges. Frost heave is common on north facing slopes and provides displaced bedrock material for sampling.



Kennecott Canada Inc.
Vancouver

KLONDIKE GOLD

CAL & RADO CLAIMS
PROJECT LOCATION

YUKON, CANADA

Date: 4/04/94	Author:	Figure 1
File: KLG--LOC	PS: 1 = 15	

MJD

3.0 PROPERTY STATUS

The Cal and Rado claims are located within the Dawson Mining District of Yukon Territory (Figure 2). The Rado property comprises 89 Quartz claims, covering 1,630 hectares, which are owned by Arbor Resources Inc. (60%), Wealth Resources Ltd. (20%) and Rise Resources Inc. (20%). The Cal property comprises 26 quartz claims, totalling 439 hectares in area, which are wholly owned by Wealth Resources. Through a 1993 agreement with Arbor et al, Kennecott has the option to earn an interest in both the Cal and Rado claims and is the recorded owner. Kennecott opted not to continue its participation in the Cal claims in late 1993. A list of Cal and Rado claims, and their expiry dates following the acceptance of this report, is provided in Table I.

Kennecott Canada Inc.
Vancouver

LONESTAR - KLONDIKE GOLD

CAL & RADO CLAIMS

YUKON, CANADA

Date: 11/12/93	Author: AD	Figure 2
File: KLG-FRM	PS: 1 = 50	

HO

Table 1 - List of Claims

Claim Name	Claim Number	Expiry Date
CAL 1	YB30653	June 7,
CAL 2	YB30654	June 7,
CAL 3	YB30655	June 7,
CAL 4	YB30656	June 7,
CAL 5	YB30657	June 7,
CAL 6	YB30658	June 7,
CAL 7	YB30659	June 7,
CAL 8	YB30660	June 7,
CAL 9	YB30661	June 7,
CAL 10	YB30662	June 7,
CAL 11	YB30663	June 7,
CAL 12	YB30664	June 7,
CAL 13	YB30665	June 7,
CAL 14	YB30666	June 7,
CAL 15	YB30667	June 7,
CAL 16	YB30668	June 7,
CAL 17	YB30669	June 7,
CAL 18	YB30670	June 7,
CAL 19	YB30671	June 7,
CAL 20	YB30672	June 7,
CAL 21	YB30673	June 7,
CAL 22	YB30674	June 7,
CAL 23	YB30675	June 7,
CAL 24	YB30676	June 7,
CAL 25	YB30677	June 7,
CAL 26	YB30678	June 7,
CAL 27	YB30679	June 7,
RADO 1	YB17012	June 17,
RADO 2	YB17013	June 17,
RADO 3	YB17014	June 17,
RADO 4	YB17015	June 17,
RADO 5	YB17016	June 17,
RADO 6	YB17017	June 17,
RADO 7	YB17018	June 17,
RADO 8	YB17019	June 17,
RADO 9	YB17020	June 17,
RADO 10	YB17021	June 17,
RADO 11	YB17022	June 17,
RADO 12	YB17023	June 17,
RADO 13	YB17024	June 17,
RADO 14	YB17025	June 17,
RADO 15	YB17026	June 17,
RADO 16	YB17027	June 17,
RADO 53	YB17064	June 17,
RADO 54	YB17065	June 17,
Claim Name	Claim Number	Expiry Date
RADO 55	YB17066	June 17,
RADO 56	YB17067	June 17,
RADO 57	YB17068	June 17,
RADO 58	YB17069	June 17,
RADO 59	YB17070	June 17,
RADO 60	YB17071	June 17,
RADO 61	YB17072	June 17,
RADO 62	YB17073	June 17,
RADO 63	YB17074	June 17,
RADO 64	YB17075	June 17,
RADO 65	YB17076	June 17,
RADO 66	YB17077	June 17,
RADO 67	YB17078	June 17,
RADO 68	YB17079	June 17,
RADO 69	YB17080	June 17,
RADO 70	YB17081	June 17,
RADO 107	YB17114	June 17,
RADO 108	YB17115	June 17,
RADO 109	YB17116	June 17,
RADO 110	YB17117	June 17,
RADO 111	YB17118	June 17,
RADO 112	YB17119	June 17,
RADO 113	YB17120	June 17,
RADO 114	YB17121	June 17,
RADO 115	YB17122	June 17,
RADO 116	YB17123	June 17,
RADO 121	YB17128	June 17,
RADO 122	YB17129	June 17,
RADO 123	YB17130	June 17,
RADO 124	YB17131	June 17,
RADO 125	YB17132	June 17,
RADO 126	YB17133	June 17,
RADO 127	YB17134	June 17,
RADO 128	YB17135	June 17,
RADO 129	YB17136	June 17,
RADO 130	YB17137	June 17,
RADO 131	YB17138	June 17,
RADO 132	YB17139	June 17,
RADO 133	YB17140	June 17,
RADO 134	YB17141	June 17,
RADO 135	YB17142	June 17,

Table 1 - List of Claims, Continued

Claim Name	Claim Number	Expiry Date
RADO 137	YB17144	June 17, 1994
RADO 138	YB17145	June 17, 1994
RADO 168	YB17175	June 17, 1994
RADO 169	YB17176	June 17, 1994
RADO 170	YB17177	June 17, 1994
RADO 171	YB17178	June 17, 1994
RADO 172	YB17179	June 17, 1994
RADO 173	YB17180	June 17, 1994
RADO 174	YB17181	June 17, 1994
RADO 175	YB17182	June 17, 1994
RADO 176	YB17183	June 17, 1994
RADO 177	YB17184	June 17, 1994
RADO 178	YB17185	June 17, 1994
RADO 179	YB17186	June 17, 1994
RADO 180	YB17187	June 17, 1994
RADO 181	YB17188	June 17, 1994
RADO 182	YB17189	June 17, 1994
RADO 183	YB17190	June 17, 1994
RADO 185	YB17191	June 17, 1994
RADO 186	YB17192	June 17, 1994
RADO 187	YB17193	June 17, 1994
RADO 188	YB17194	June 17, 1994
RADO 189	YB17455	June 17, 1994
RADO 190	YB17456	June 29, 1994
RADO 191	YB17457	June 29, 1994
RADO 192	YB17458	June 29, 1994
RADO 193	YB17459	June 29, 1994
RADO 194	YB17460	June 29, 1994
RADO 195	YB17461	June 29, 1994

4.0 REGIONAL GEOLOGY

4.1 Tectonic Environment

The Klondike district is located on the northeastern edge of the Palaeozoic Yukon-Tanana tectonostratigraphic terrane (Mortensen, 1990; Figure 3). This allochthonous terrane is separated from thrust-stacked parautochthonous rocks of the North American miogeocline by the Tintina Fault Zone, a major suture which has accommodated relative movement between the two crustal blocks. Initial docking of the Yukon-Tanana terrane with the North American continental margin probably occurred in Early to Middle Jurassic times (Mortensen, pers. comm., 1994). Docking was accompanied by obduction of interposed oceanic lithosphere, now represented by ophiolitic rocks of the Slide Mountain terrane.

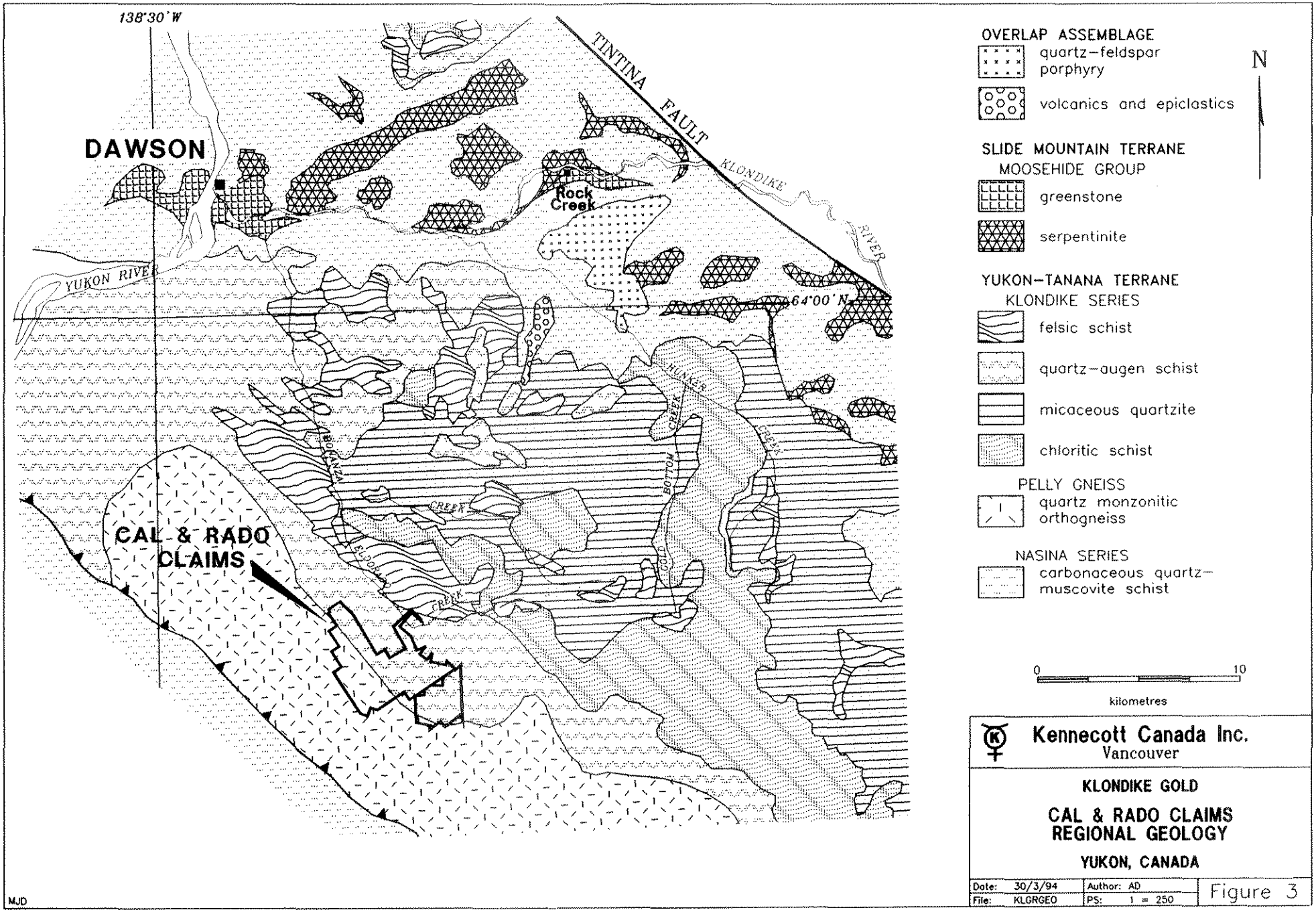
Major relative movement between the Yukon-Tanana terrane and the North American continental margin occurred in Late Palaeogene and Neogene times (Mortensen, pers. comm., 1994). A net dextral strike-slip displacement of 450km was originally suggested by Templeman-Kluit (1974) and this estimate is still endorsed by most workers. Strike-slip movement along Tintina Fault Zone appears to have been immediately preceded by an episode of bimodal basalt and topaz rhyolite volcanism. Products of this Palaeocene - Eocene magmatic event are present in both the Klondike district and the Grew Creek area 400km to the southeast.

4.2 Stratigraphy

Brief descriptions of rock units found in the vicinity of the property are provided below, using the tectonostratigraphic nomenclature of Mortensen (1990) and the original stratigraphic nomenclature of McConnell (1905). Units are grouped into the Yukon-Tanana terrane, the Slide Mountain terrane and a post-amalgamation overlap assemblage (Figure 3). Units within each group have been described in what is believed to be the order of diminishing age.

4.2.1 Yukon-Tanana terrane

The Yukon-Tanana terrane is an assemblage of tectonically interleaved Palaeozoic rock units. Mortensen (1990) has outlined three thrust-stacked assemblages within the terrane, two of which occur in the vicinity of the Cal and Rado claims. One of these assemblages equates to the Nasina Series of McConnell (1905), the other to McConnell's (ibid.) Pelly Gneiss and Klondike Series.



Kennecott Canada Inc.
Vancouver

KLONDIKE GOLD

CAL & RADO CLAIMS
REGIONAL GEOLOGY

YUKON, CANADA

Date:	30/3/94	Author: AD	Figure 3
File:	KLGRGEO	PS: 1 = 250	

Nasina Series

This unit is comprised largely of medium to dark grey carbonaceous quartz-muscovite schist and carbonaceous metaquartzite. Thin horizons of medium to dark grey marble occur locally. Recent U-Pb zircon dating indicates a Devono-Mississippian age for the unit (Mortensen, pers. comm., 1994). Protoliths were predominantly carbonaceous siliciclastic sedimentary rocks.

Pelly Gneiss

This unit is comprised of biotite-bearing quartz monzonitic orthogneiss. The rock probably represents a deformed granitic intrusion. Recent U-Pb zircon dating by Mortensen (1990) indicates a Mid-Permian age for the Pelly Gneiss.

Klondike Series

Several lithostratigraphic units have been identified within the Klondike Series. The lowest stratigraphic unit is comprised of quartz-chlorite-actinolite schist and associated metadiabase. Protoliths were probably mafic to intermediate volcanics and consanguineous sub-volcanic intrusions. This unit grades upward into micaceous and chloritic metaquartzite, which represents a terrigenous clastic sequence containing a minor component of mafic to intermediate volcanic lithogenous material. Cross-cutting these two units is a quartz-feldspar augen schist (Mortensen, 1990). Work by McConnell (1905), Metcalfe (1981) and Mortensen (1990) suggests that this rock type constitutes a deformed quartz-feldspar porphyry. Felsic schist overlies the quartz-feldspar augen schist and may be its extrusive equivalent (Mortensen, 1990). The felsic schist unit, which is thin and recessively weathering, includes a minor component of carbonaceous quartz-muscovite schist and contains small occurrences of possible volcanogenic massive sulphide mineralisation. The protolith may have been a felsic tuff (Mortensen, 1990). Recent U-Pb zircon dating by Mortensen (ibid.) indicates a Mid- Permian age for the Klondike Series, identical to the age deduced for the Pelly Gneiss.

4.2.2 Slide Mountain terrane

The rocks of the Slide Mountain terrane are Paleozoic in age and comprise greenstone and serpentinite. They occur as tectonic slices caught up in regional structures and form discontinuous lenses and slabs ranging from less than 1m to 150m thick (Mortensen, 1990). These rocks equate to the Moosehide Group of McConnell (1905).

The greenstones consist of seafloor-altered pyroxene-phyric basalt, fine grained mafic tuff, diabase and minor gabbro. These rocks form substantial tectonic bodies which are well exposed along the Klondike highway immediately east of Dawson.

Serpentinite is found as smaller, sheared and carbonate-altered tectonic slivers, sometimes wholly enclosed within Nasina Series rocks.

4.2.3 Overlap assemblage

The younger, post-amalgamation rock units include volcanics, volcanogenic sediments and intrusions of Late Cretaceous to Paleogene age. As the volcanics and volcanogenic sediments occur only locally, they may be preserved within down-dropped fault blocks or in subsidence structures related to volcanism and intrusion.

Massive andesite flows and sills are interbedded with thinly-bedded epiclastics and tuffs along Last Chance Creek (Mortensen, 1990; Debicki, 1984). A Late Cretaceous age for these rocks has been suggested by Mortensen (1990) on the basis of regional lithostratigraphic correlation with Carmacks Group volcanics in the Sixty Mile area.

A fine to medium grained equigranular hornblende-biotite granodiorite crops out in Hunker Creek 1km upstream of the mouth of Gold Bottom Creek. Debicki (pers. comm. to J.K. Mortensen, 1985) reports a Palaeocene K-Ar age for this intrusion, which may therefore be genetically related to the Last Chance Creek volcanics.

Well-bedded felsic lapilli tuff and coarse volcanic breccia containing quartz-feldspar porphyry and country rock lithic fragments are mapped along Germaine Creek, immediately adjacent to the Tintina Fault Zone (Mortensen, 1990). These rocks are correlated lithostratigraphically with Eocene volcanics found in the Grew Creek area 400 km to the southeast.

Quartz-feldspar porphyry occurs as a large intrusive body north of Hunker Creek. Debicki (pers. comm. to J.K. Mortensen, 1985) reports an Eocene K-Ar age for this intrusion. The rock is presumably the intrusive equivalent of the felsic lapilli tuff. Small bodies of brown-weathering plagioclase, hornblende and/or pyroxene-phyric mafic porphyry, diabase and rare olivine gabbro are closely associated with the quartz-feldspar porphyry (Mortensen, 1990).

A bimodal suite of dykes occurs throughout the Klondike district as thin composite or single phase intrusions. Field relations suggest that the composite dykes formed by initial intrusion of a mafic phase and subsequent intrusion of a felsic phase. Felsic dykes "split" earlier mafic ones, suggesting incomplete cooling of the mafic dykes at the time of felsic dyke intrusion. The relationship between the bimodal dyke suite and the quartz-feldspar porphyry intrusion is uncertain, though both have returned Eocene K-Ar ages (Mortensen, pers. comm., 1994).

5.0 PREVIOUS EXPLORATION

Lode gold exploration in the area of the Cal and Rado claims began at the turn of the century with the discovery of Cullen occurrence along Golden Gulch. This occurrence consists of offset, steeply dipping, gold-bearing polymetallic quartz veins with fracture controlled limonite staining (MacLean 1914). By 1907, several exploration shafts and an adit had accessed the occurrence. A sample collected by MacLean (1914) from one of the waste dumps assayed 2.1g/t Au.

Shortly after the discovery of the Cullen occurrence, a gold bearing, milky white quartz-barite-galena vein was discovered to the south along the ridge between Ophir and Eldorado creeks. This new occurrence became known as the Violet. By 1907, a tramway to a cyanide mill on Ophir Creek had been constructed and the occurence had been accessed by three shafts and an adit. The operators exhausted their financing and were later forced to sell the property by public auction in 1910 (MacLean, 1914).

In 1947 the Cullen and Violet occurrences were restaked as the Ophir claims. Little information is available on the work that was completed during this time. In 1981 Ebony Resources Ltd restaked the occurrences as the VI claims. Ebony Resources Ltd. performed a photogrammetric survey of the property (DIAND, 1993). The VI claims were transferred to Silvercrest Resources Ltd. in 1983. During that year, old pits were re-excavated, mapped and sampled. Sixty-eight soil samples were collected at 100 metre spacing from a soil grid centred over the Violet occurrence. In 1984, a more detailed, 134 sample program was conducted but no new targets were discovered.

In November 1990, the VI claims were transferred to Dawson Eldorado Mines Limited and Arbor Resources Ltd. Arbor excavated two trenches on the VI claims in 1991. The first trench was an extension of an old trench at the Violet occurrence. The second trench was located approximately 1 km due south of the first. Sampling in this trench outlined 5m of feldsapr-quartz orthogniess assaying 1.0 g/tonne, and a 2m quartz vein assaying 0.8 g/tonne.

6.0 1993 EXPLORATION PROGRAM

During the 1993 field season, a program of reconnaissance mapping, prospecting, and ridge and spur sampling was conducted on the Cal , Rado and adjacent VI claims (Figures 4 and 5). Of the 284 soil samples collected on the properties, 196 of the samples were collected on the Rado claims, 50 were collected on the Cal claims and 38 were collected on the VI claims.

A total of 34 rock samples were collected on the Cal, Rado and surrounding claims (Figure 4). Of these, 16 samples were collected from the Rado claims, 5 were collected from Cal, and 13 were collected from the VI and surrounding claims. Rock and soil samples in excess of what was required for assessment are reported. One hole from reverse circulation drilling, grouped from adjacent ND claims, is also reported (Figure 4).

7.0 GEOLOGY, ALTERATION AND MINERALIZATION

An extensive quartz-feldspar schist unit is prevalent on the Cal and Rado claims (Figure 4). These schists range from a muscovite-rich variety to one containing abundant biotite. The majority of the Rado property is underlain by a fine- to medium-grained, buff to pink coloured quartz-feldspar-biotite schist. Quartz and feldspar are present in approximately equal amounts in these rocks. Up to 10% biotite occurs as fine to coarse flakes and rarely as thick books. Locally, the quartz-feldspar schist contains abundant chlorite. In one outcrop, elongated lapilli fragments were observed. The quartz-feldspar-biotite schist may be a metamorphosed felsic tuff.

A medium-grained, rarely coarse-grained, green to pink schist was observed on the ridges to the west and south of the Cullen occurence. The schist is composed of roughly equal amounts of quartz, feldspar and lesser amounts of muscovite and 2% clear blue quartz eyes. This unit may be Mortensen's (1990) quartz monzonitic orthogneiss.

A blue-green, chlorite-muscovite schist outcrops at the bottom of Chief Gulch. Sample VR2871A sampled a quartz-carbonate vein containing barite and minor bright green mica in this area. Angular feldspar -chlorite schist float from a tributary of Chief Gulch on the east side of the Rado claims may be a meta-diorite. A sample from this schist is anomalous in zinc (140 ppm).

The quartz-feldspar schist is not altered. Mineralization includes a trace to 3% pyrite which occurs as euhedral grains within the schist. Galena was the only other sulphide observed. A sample (VR2878A) of white quartz-barite-galena-malachite, collected from the waste pile at the historic Violet occurrence, is anomalous in gold, silver, bismuth, copper, and lead (385 ppb Au, 49.2 ppm Ag, 52 ppm Bi, 280 ppm Cu, 1,735 ppm Pb). Most of the material on the Violet waste pile is barren white quartz.

Numerous old hand-excavated trenches were encountered on the ridges. The old workings uncovered barren milky white quartz veins and pegmatitic quartz and potassium feldspar dykes. Vuggy, oxidized quartz float was observed along the road on the eastern side of the Cal claims. Grab sample VR2885A, collected from a vuggy limonitic quartz vein outcropping in Chief Gulch, contains 7.5 ppm Cd, 95 ppm Cu and 924 ppm Zn. This was the only quartz vein sampled that was mineralized.

8.0 GEOCHEMISTRY

8.1 Rock Geochemistry

A total of 34 rock samples were collected from outcrop, subcrop and float on the Cal and Rado claims. Sample locations are plotted on Figure 4 and sample descriptions are located in Appendix A.

Samples were sent to Chemex Labs and were analyzed for gold using a 30 g fire assay preparation with an AA finish, and for an additional 32 elements by ICP-ES. Analytical certificates are provided in Appendix B.

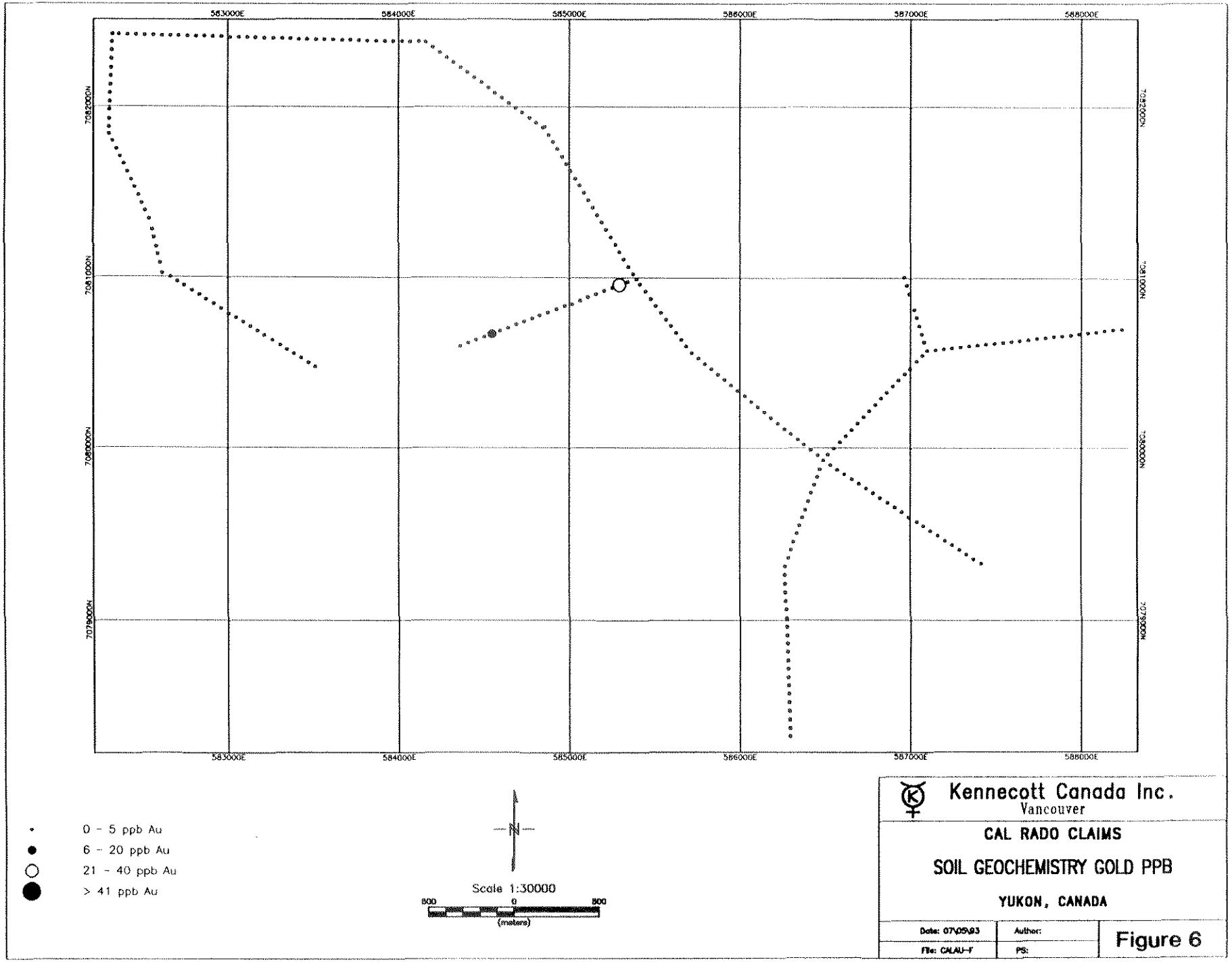
The only gold value above detection obtained during the program was from the Violet waste dump. The Violet sample, VR2878A, is also anomalous in silver, bismuth, copper, and lead. Other samples anomalous in base metals include VR 2879A with 140 ppm zinc and VR2885A with 7.5 ppm Cd, 95 ppm Cu, and 924 ppm zinc.

Spot highs of 14 and 12 ppm arsenic in samples VR2871A and VR2888A do not appear to correlate with anything. However, anomalous barium, to 3,240 ppm in VR2882A, correlates well with samples containing quartz vein material.

8.2 Soil Geochemistry

Soil sampling on the Cal and Rado claims was conducted along ridges and spurs throughout the claim blocks. A total of 274 samples were collected at 50m intervals from B-horizon soils which are, in general, well developed and within 30cm of surface. Sample locations are plotted on Figure 5.

Samples were sent to Chemex Labs and were analyzed for gold using a 30 g fire assay preparation with an AA finish, and for an additional 32 elements by ICP-ES. Sample descriptions are located in Appendix C, analytical certificates are provided in Appendix D and bubble plots of results are depicted on Figures 6 to 12.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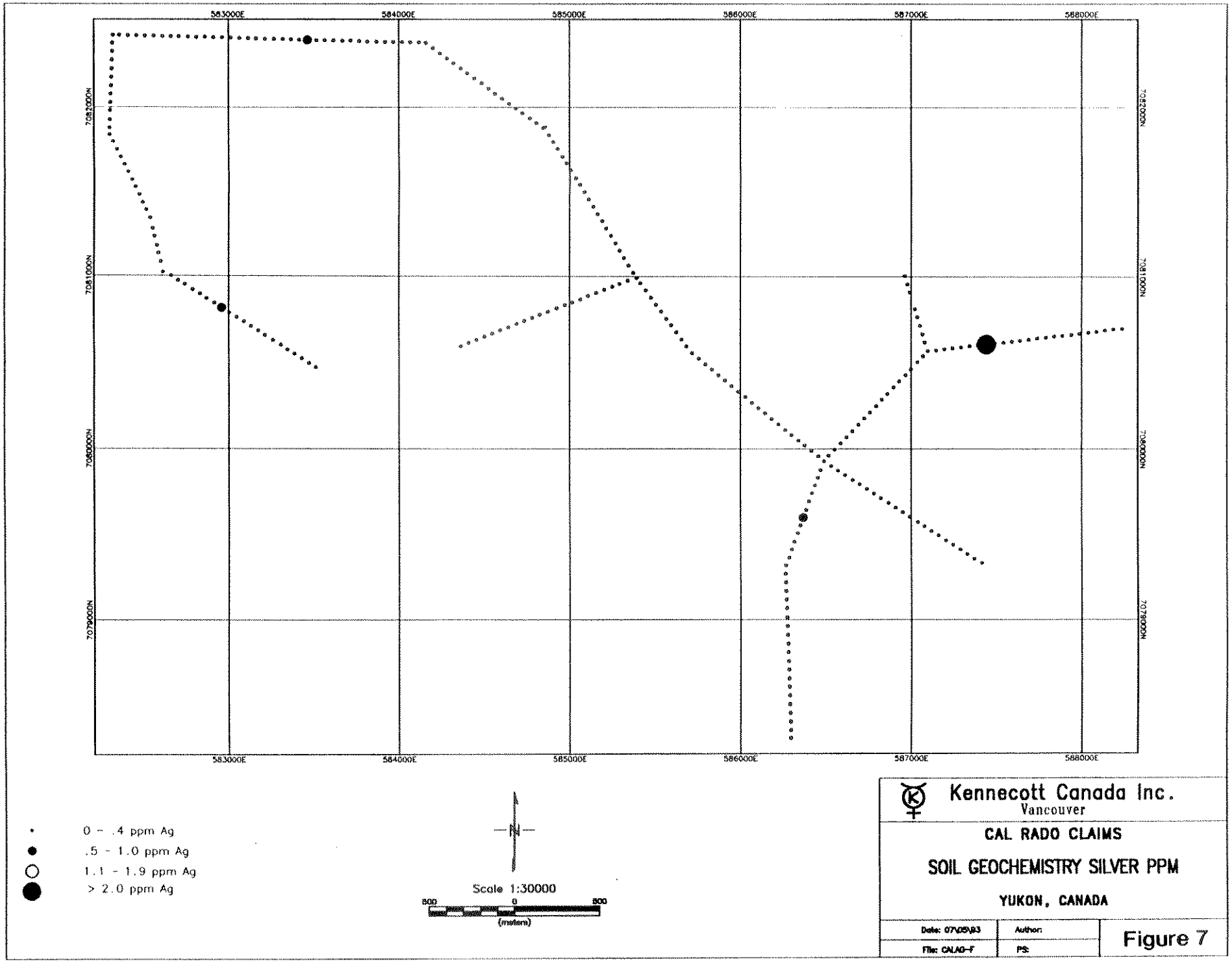
584000E
585000E
586000E
587000E
588000E
7082000N
7081000N
7080000N
7079000N
0 - 5 ppb Au
6 - 20 ppb Au
21 - 40 ppb Au
> 41 ppb Au
N
Scale 1:30000
500
0
500
(meters)
Kennecott Canada Inc.
Vancouver
CAL RADO CLAIMS
SOIL GEOCHEMISTRY GOLD PPB
YUKON, CANADA
Date: 07\05\03
Author:
File: CALAU-F
PS:
Figure 6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588000E
7082000N
7081000N
7080000N
7079000N
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.5 - 1.0 ppm Ag
1.1 - 1.9 ppm Ag
> 2.0 ppm Ag
N
Scale 1:30000
500
0
500
(meters)
Kennecott Canada Inc.
Vancouver
CAL RADO CLAIMS
SOIL GEOCHEMISTRY SILVER PPM
YUKON, CANADA
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Author:
File: CALAG-F
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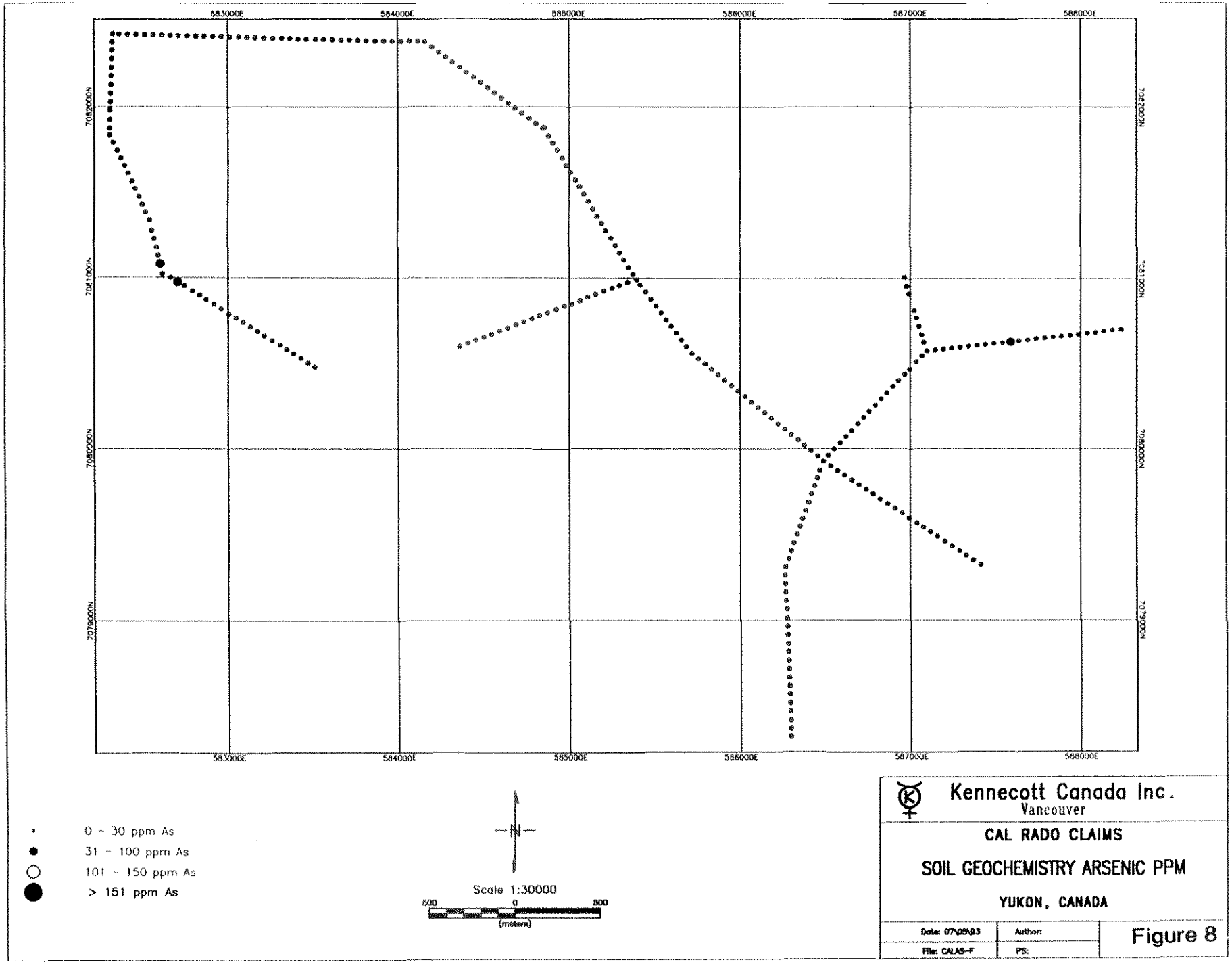
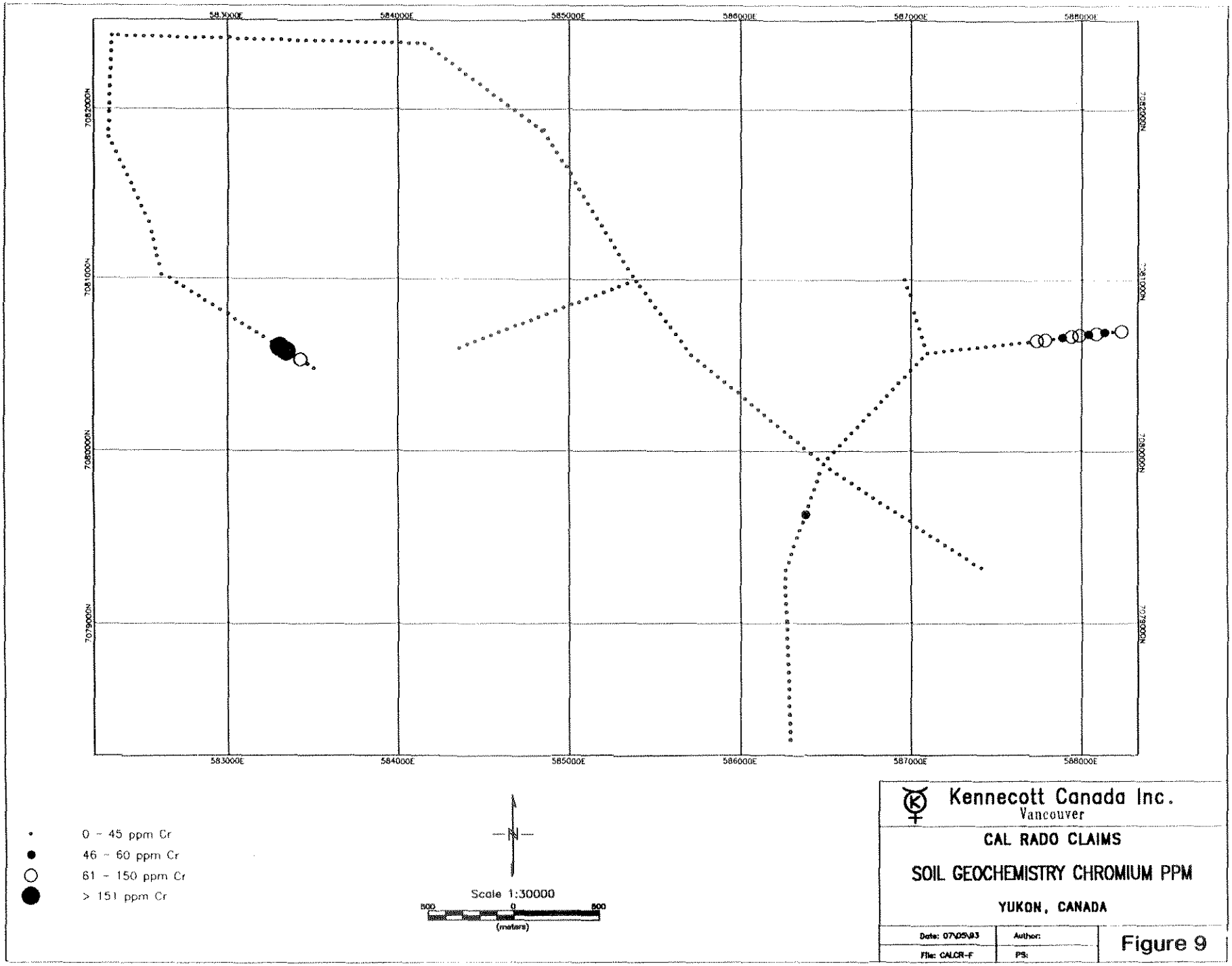
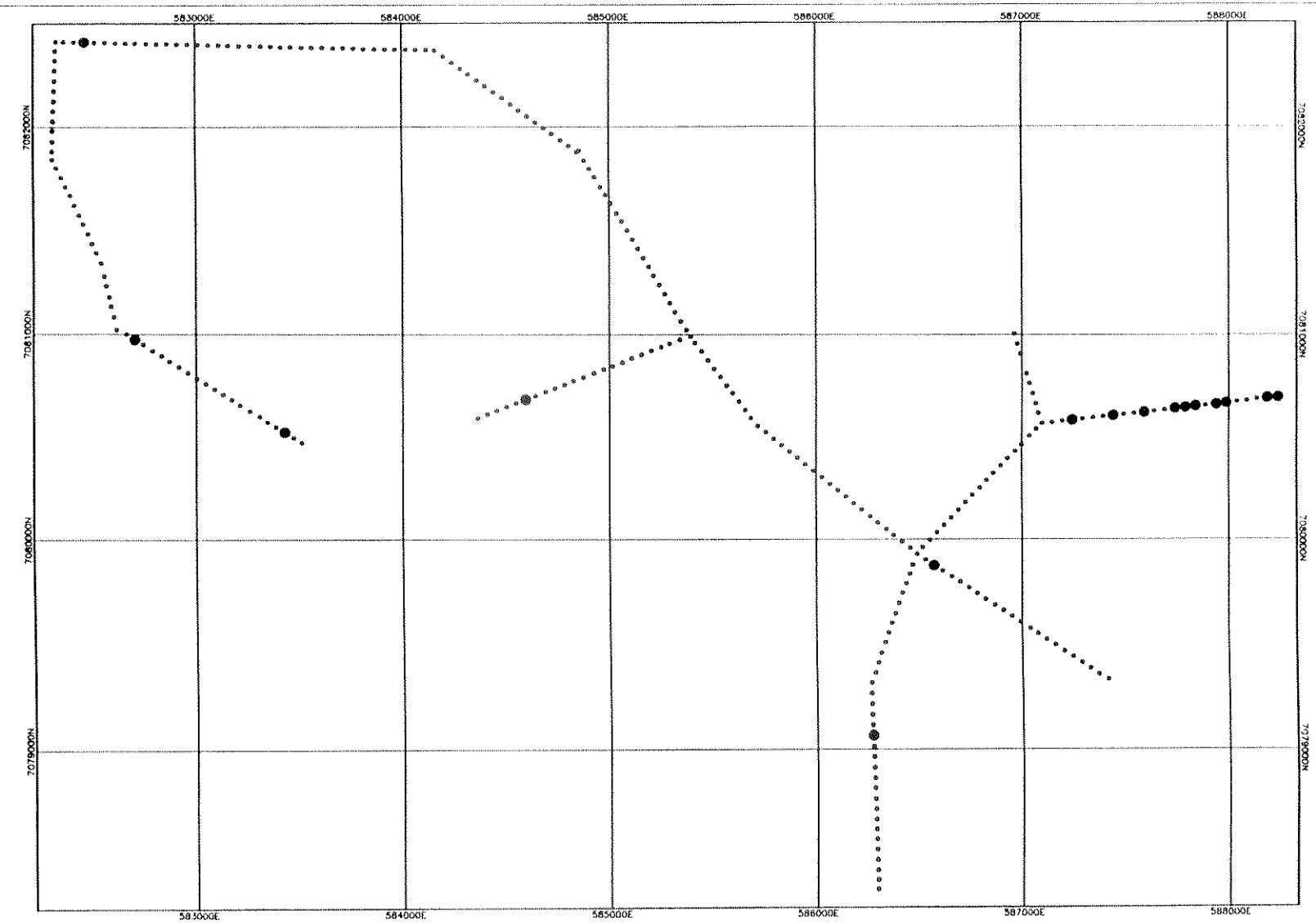
Figure 7


583000E
584000E
585000E
586000E
587000E
588000E
7082000N
7081000N
7080000N
7079000N
0 - 30 ppm As
31 - 100 ppm As
101 - 150 ppm As
> 151 ppm As
N
Scale 1:30000
500
0
500
(meters)
Kennecott Canada Inc.
Vancouver
CAL RADO CLAIMS
SOIL GEOCHEMISTRY ARSENIC PPM
YUKON, CANADA
Date: 07\05\93
Author:
File: CALAS-F
PS:
Figure 8


583000E
584000E
585000E
586000E
587000E
588000E
7082000N
7081000N
7080000N
7079000N
0 - 45 ppm Cr
46 - 60 ppm Cr
61 - 150 ppm Cr
> 151 ppm Cr
Scale 1:30000
500
0
500
(meters)
Kennecott Canada Inc.
Vancouver
CAL RADO CLAIMS
SOIL GEOCHEMISTRY CHROMIUM PPM
YUKON, CANADA
Date: 07\05\03
Author:
File: CALCR-F
PS:
Figure 9



- 0 - 30 ppm Cu
- 31 - 100 ppm Cu
- 101 - 150 ppm Cu
- > 151 ppm Cu

Scale 1:30000

800 0 800

(meters)

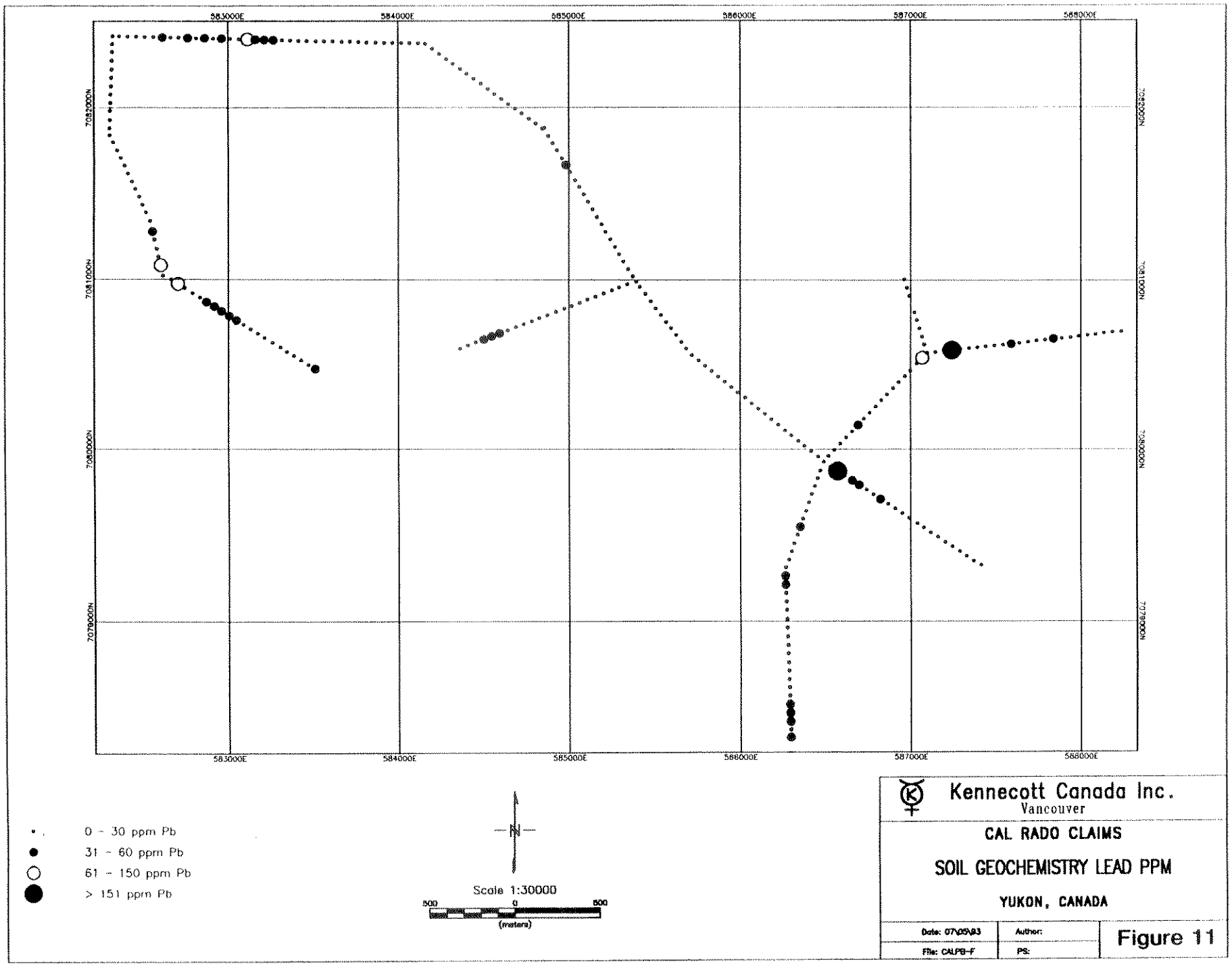
Kennecott Canada Inc.
Vancouver

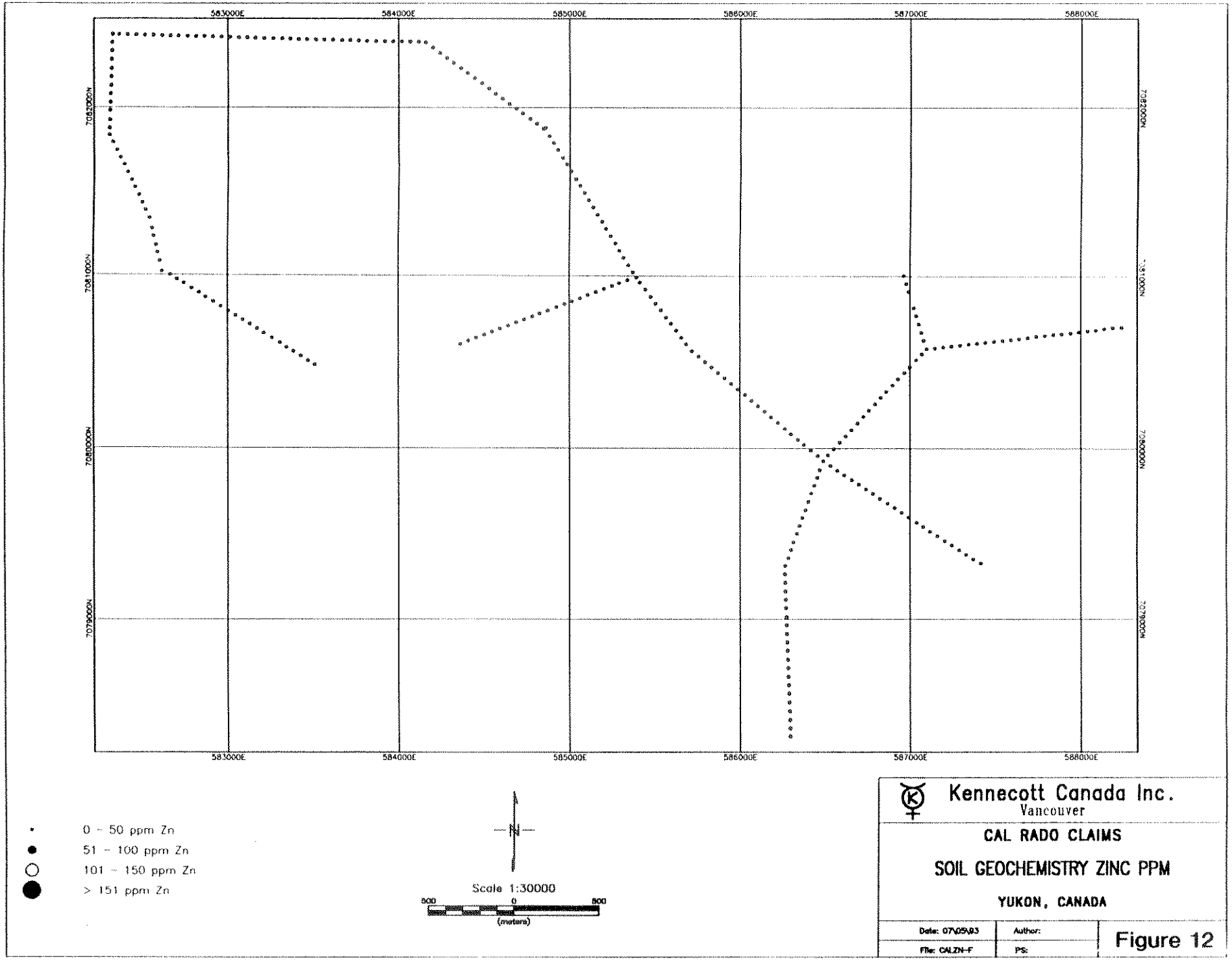
CAL RADO CLAIMS

SOIL GEOCHEMISTRY COPPER PPM

YUKON, CANADA

Date: 07/05/93	Author:	Figure 10
File: CALCU-F	PS:	


583000E
584000E
585000E
586000E
587000E
588000E
7082000N
7081000N
7080000N
7079000N
0 - 30 ppm Pb
31 - 60 ppm Pb
61 - 150 ppm Pb
> 151 ppm Pb
N
Scale 1:30000
500
0
500
(meters)
Kennecott Canada Inc.
Vancouver
CAL RADO CLAIMS
SOIL GEOCHEMISTRY LEAD PPM
YUKON, CANADA
Date: 07\05\93
Author:
File: CALPB-F
PS:
Figure 11


583000E
584000E
585000E
586000E
587000E
588000E
7082000N
7081000N
7080000N
7079000N
7083000N
7082000N
7081000N
7080000N
7079000N
0 - 50 ppm Zn
51 - 100 ppm Zn
101 - 150 ppm Zn
> 151 ppm Zn
Scale 1:30000
800
0
800
(meters)
Kennecott Canada Inc.
Vancouver
CAL RADO CLAIMS
SOIL GEOCHEMISTRY ZINC PPM
YUKON, CANADA
Date: 07\05\93
Author:
File: CALZN-F
PS:
Figure 12

Two soil samples, VR3051A and VR3068A, contain gold above detection of 15 ppb and 40 ppb respectively. Sample VR3068A was taken adjacent to a trenched pegmatite vein. No other element enrichment coincides with the elevated gold. However, 50 m west along the soil line from VR3051A, a sample contains 1,390 ppm barium.

On the western edge of the Rado claim block, over a distance of 150m, three samples contain anomolous chromium and zinc. The maximum values in any of the samples VR3495A, VR3496A and VR3498A are 302ppm Cr and 196ppm Zn. Slightly northwest and uphill from these samples is an area of spotty elevated lead and zinc with sparsley elevated arsenic. The highest values were from sample VR3481A which contains 38ppm As, 64ppm Pb and 192ppm Zn.

Spotty lead and zinc values were also returned from soil samples in the northern portion of the Rado claims. Only one sample, VR3429A, contains elevated values for both lead and zinc. In the immediate vicinity of the Violet occurrence, sparsley elevated zinc values were obtained down slope from known mineralization.

Soil sampling in the southeastern corner of the Rado claims indicated more diverse element enrichment. In addition to intermittent lead and zinc highs, the samples contain spot highs of copper (VR3298A-57ppm Cu, 208ppm Pb and 182ppm Zn) and silver (VR3302A, 3.4ppm Ag). The most easterly sample, VR3318A, returned elevated chromium and copper, 108ppm and 68ppm respectively.

9.0 REVERSE CIRCULATION DRILLING,HOLE: 93-LS-17

Hole 93-LS-17 is one of 27 reverse circulation drill holes drilled on the Lonestar property in 1993 (Figure 4). The program was conducted between April 25 and May 1.

Hole 93-LS-17 was drilled at an azimuth of 090^{0} with a dip of -55^{0} to test a magnetic gradient on the east side of a broad, northerly trending magnetic low (Figure 13). The hole intersected muscovite-quartz schist, muscovite-chlorite-quartz schist and was terminated in a mafic to intermediate dyke at 99.1m depth (see drill log in Appendix E).

Weak carbonate alteration and intermittent trace pyrite was identified in the mafic dyke. No gold above detection was encountered in the hole. Analytical certificates are provided in Appendix F.

10.0 DISCUSSION

The lack of outcrop exposure on the Cal and Rado properties makes geologic and economic evaluation difficult. Rock exposure is limited to old trenches and frost heaved felsenmeer along ridges. From existing exposures, it was determined that the Cal and Rado claims are underlain by quartz-feldspar-biotite and quartz-muscovite schists. No favourable alteration or mineralization was observed within the schists.

The only anomalous rock sample collected during the 1993 exploration program was from the waste pile at the Violet showing on the VI claims. This is a select sample of quartz-barite-galena-malachite. Most of the material on the waste pile is unmineralized white quartz.

Numerous veins of barren white quartz, vuggy oxidized quartz and pegmatitic potassium feldspar are present on the property. No gold was detected from the veins sampled, although a sample anomalous in copper and zinc was collected outside the Cal/Rado claims in Chief Gulch.

Gold in soil anomalies on the Cal and Rado claims are sparse, weak and do not appear to be related to zinc-lead$\pm$chromium soil anomalies. Zinc$\pm$lead anomalies occur intermittently throughout the Rado claims and also occur adjacent to the Violet occurrence. The chromium-zinc anomaly may reflect a nearby ultramafic body that could indicate a nearby structure.

Drill hole 93-LS-17 encountered weakly carbonate altered (chlorite)-muscovite-quartz schist, but no economic mineralization.

11.0 CONCLUSIONS AND RECOMMENDATIONS

The 1993 program focused on the ridges and spurs where soil sampling was conducted. Although little alteration or gold mineralization was encountered, weak zinc$\pm$lead soil anomalies were outlined. Follow-up prospecting, mapping, sampling and possible trenching in anomalous areas may uncover new mineralization similar to the Cullen occurence. Comprehensive prospecting focused on the creeks that cut the Rado claims should accompany this work.

12.0 REFERENCES

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TOMLINSON, S., 1991. Geological, Geochemical, and Trenching Report on the Lone Star Property, Dawson Mining Division, Yukon; Unpublished Report. 39pp.

STATEMENT OF QUALIFICATIONS

I, Russ Cranswick, with business address at 354 - 200 Granville Street, Vancouver, B.C., V6C 1S4, and residence at P6 - 2455 York Avenue, Vancouver, B.C., V6K 1C9, hereby certify that:

1) I graduated from the University of British Columbia in 1987 with a B.Sc. in Geology.

2) I am a licensed Professional Geologist (L607) with the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories.

3) I am a member of the Society of the Economic Geologists.

4) For the past seven years as a geologist, and the three years prior as a student, I have been actively engaged in mineral exploration in British Columbia, Yukon Territory, Northwest Territories and Ontario.

5) I have no interest, nor do I expect to receive any interest, in the property or any related securities.

6) This report is based on the work conducted by, and the personal observations of, my co-author. My contributions to this report are based on a review of the data and my familiarity with the project area.

Dated at Vancouver, British Columbia, this 7th day of April, 1994.

R. L. Cranswick - P.Geol.

REGISTERED PROFESSIONAL GEOLOGIST
R. CRANSWICK
LICENSEE
N.W.T.

STATEMENT OF COSTS - CAL
3 June - 4 June, 1993

Salaries				
Geologists	4 man days	@	$250.00	$ 1,000.00
Assistants	2 man days	@	$135.00	$ 270.00
Support				
Truck 1 rental	2 days	@	$60.00	$ 120.00
Truck 2 rental	2 days	@	$60.00	$ 120.00
ATV rental	2 days	@	$24.00	$ 48.00
Fax rental	2 days	@	$10.00	$ 20.00
Meals and Accommodations				
Meals	6 man days	@	$40.00	$ 240.00
House Rental	2 days	@	$37.00	$ 74.00
Analytical Costs				
Rock	3 samples	@	$16.00	$ 48.00
Soil	57 samples	@	$11.00	$ 627.00
Supplies				$ 100.00
Communications/Reproductions				$ 80.00
Report				$ 400.00
Drafting				$ 100.00
TOTAL				**$ 3,247.00**

Work performed on Cal 1, 2, 14, 16, 17, 24-26

Work applied to Cal 1-12 and 14-27, $124.88 per claim

Claims are under 3 year limit - no grouping required.

STATEMENT OF COSTS - Rado
25 April - 1 May, 2 June - 7 June, 1993

Soil Sampling

Salaries				
Geologists	12 man days	@	$250.00	$ 3,000.00
Assistants	7 man days	@	$135.00	$ 945.00
Support				
Truck 1 rental	7 days	@	$60.00	$ 420.00
Truck 2 rental	7 days	@	$60.00	$ 420.00
ATV rental	7 days	@	$24.00	$ 168.00
Fax rental	7 days	@	$10.00	$ 70.00
Meals and Accommodations				
Meals	19 man days	@	$40.00	$ 760.00
House Rental	7 days	@	$37.00	$ 259.00
Analytical Costs				
Rock	25 samples	@	$16.00	$ 400.00
Soil	174 samples	@	$11.00	$ 1,914.00
Supplies				$ 350.00
Communications/Reproductions				$ 280.00
Report				$ 1,400.00
Drafting				$ 400.00
TOTAL				**$ 10,786.00**

STATEMENT OF COSTS - Rado (Continued)

Drilling
93-LS-17 99-0 m

Salaries		$ 1,722.50
Support (truck)		$ 312.00
Meals &Accommodationn		$ 364.00
Drilling charges		$ 5,476.25
Pad building/Road Construction (D7 + D9 Caterpillar)	$ 2,645.50	
Analytical Costs		$ 1,950.00
Freight		$ 390.00
Supplies		$ 650.00
TOTAL		**$ 13,510.25**

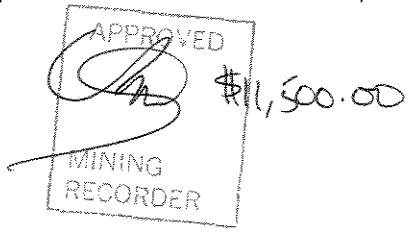
Work performed on Rado 13, 14, 16, 59-61, 63, 68, 122-124, 133, 135, 137, 168, 169, 175, 177, 178, 191-193, VI 1, 11, 12, 43, (ND 15, 16 drilling)

Renewed by soil sampling program:

DA3220 - Rado 170-178, 190, 191, 193, 195 (13)	$1,974.83
DA3218 - Rado 57, 59, 65, 66, 107-112, 168, 169 192, 194(14)	$2,126.74
DA3217 - Rado 5-11, 58, 60-64, (13)	$1,974.83
DA3216 - Rado 121-132, 136-138, (15)	$2,278.65
DA3215 - Rado 12-16, 67-70, 113-116, 133-135 (16)	$2,430.56

Renewed by 93-LS-17

DA3221 - Rado 2, 4, 181, 182, 183, 185, 186, 187, 188, 189, Rado 3 (11)	$8,256.16
DA3219 - Rado 1, 53, 54, 55, 56, 179, 180 (7)	$5,256.02



Appendix A

Rock Sample Descriptions

Rock Sample Descriptions: Table of Abbreviations

PROJECT (PROJ.)

KG	Klondike Gold	*LS*	Lonestar

GEOLOGIST (GEOL.)

__	Geologist's Initials

SAMPLE TYPE (S-TYPE)

CH	Channel	*CO*	Drill Core
CU	Drill Cuttings	*DG*	Dump, Grab
DH	Dump, High-Grade	*FL*	Float
GR	Grab	*RC*	Rock-Chip from outcrop

ROCK TYPE MODIFIERS (MOD1, MOD2, MOD3)

AZU	Azurite	*CHL*	Chlorite
DIB	Diabase	*FEL*	Feldspathic
FSP	Feldspar	*GRA*	Graphite
INT	Intermediate	*MAG*	Magnetite
MAL	Malachite	*MUS*	Muscovite
SEC	Sericite	*SLC*	Silicified
QTZ	Quartz		

ROCK TYPE (R-TYPE)

AND	Andesite	*BRX*	Breccia
CLY	Clay	*DIK*	Dike
GRD	Granodiorite	*LIM*	Limonite
MAR	Mariposite	*POR*	Porphyry
PYY	Pyrite concentrate	QTE	Quartzite
SCH	Schist	*ULM*	Ultramafic
VEN	Vein		

Cal & Rado Claims: Rock Sample Descriptions

SAMPLE #	CERTIF. #	PROJ	PROPERTY	NTS	UTM N	UTM E	CLAIM	DATE	GEOL	S-TYPE	MOD 1	MOD 2	MOD 3	R-TYPE	NOTES
VR2871A	A9316224	KG	CAL-RADO	115O/14	7,082,770	586,291	Joe 3	06/02/93	PFL	FL	CHL	MUS		SCH	QTZ-CARB BANDS AND VEINLETS
VR2872A	A9316224	KG	CAL-RADO	115O/14	7,079,760	588,381	Cal 5	06/04/93	PFL	GR	MUS	QTZ		SCH	1% BLUE QTZ EYES, 5% PYY
VR2873A	A9316224	KG	CAL-RADO	115O/14	7,080,350	586,001	Rado 192	06/04/93	PFL	GR	QTZ			VEN	FROM TRENCH
VR2874A	A9316224	KG	CAL-RADO	115O/14	7,080,350	586,001	Rado 192	06/04/93	PFL	GR	QTZ	MUS	BIO	SCH	2-3% BI NOT PARALLEL TO FOLN
VR2875A	A9316224	KG	CAL-RADO	115O/14	7,081,050	585,331	Rado 57	06/04/93	PFL	GR	QTZ	FEL		VEN	QTZ VEIN W/ 10% KSP, + PINK CALCITE
VR2876A	A9316224	KG	CAL-RADO	115O/14	7,081,520	584,891	VI 43	06/04/93	PFL	GR	QTZ			VEN	W/ 10% FE-CARB
VR2877A	A9316224	KG	CAL-RADO	115O/14	7,081,680	584,821	VI 43	06/04/93	PFL	GR	QTZ			VEN	BULL QTZ IN OLD H.T.
VR2878A	A9316224	KG	CAL-RADO	115O/14	7,081,940	584,851	VI 1	06/05/93	PFL	GR	QTZ			VEN	VIOLET DUMP, LOCAL BLEBS OF GAL, MAL, & UP TO 50% BAR
VR2879A	A9316224	KG	CAL-RADO	115O/14	7,082,100	586,061	Rado 54	06/05/93	PFL	FL	FEL	CHL		SCH	META-DIORITE, 70% FSP, 25% MED. GRN CHL
VR2880A	A9316224	KG	CAL-RADO	115O/14	7,081,950	585,731	Rado 1	06/05/93	PFL	FL	QTZ	FEL	BIO	SCH	10% BIO, 10-15% WT QTZ EYES,1% FSP, 1% LIM
VR2881A	A9316224	KG	CAL-RADO	115O/14	7,081,180	586,161	Rado 55	06/05/93	PFL	GR	QTZ	FEL	BIO	SCH	20-25% BIO, 10% BL QTZ EYES, 1% LIM
VR2882A	A9316224	KG	CAL-RADO	115O/14	7,081,180	586,161	Rado 55	06/05/93	PFL	FL	QTZ			VEN	QTZ VEIN IN QFBS OF 2881
VR2883A	A9316224	KG	CAL-RADO	115O/14	7,080,670	586,411	Rado 190	06/05/93	PFL	GR	QTZ	FEL		VEN	PEGMATITE FSP AND QTZ VEIN
VR2884A	A9316224	KG	CAL-RADO	115O/14	7,081,820	586,621	OFF CLAIMS	06/05/93	PFL	GR	QTZ	FEL	MUS	SCH	HOST TO QTZ VEIN IN 2885A
VR2885A	A9316224	KG	CAL-RADO	115O/14	7,081,820	586,621	OFF CLAIMS	06/05/93	PFL	GR	QTZ			VEN	VUGGY, 5% LIM AFTER PYY
VR2886A	A9316224	KG	CAL-RADO	115O/14	7,082,210	583,961	VI 12	06/06/93	PFL	GR	QTZ	FEL	BIO	SCH	15% BIO, 10% BLUE QTZ EYES, + HEM STAIN, FROM OLD H.T
VR2887A	A9316224	KG	CAL-RADO	115O/14	7,082,210	583,951	VI 12	06/06/93	PFL	GR	QTZ			VEN	15-20% QTZ VEIN
VR2888A	A9316224	KG	CAL-RADO	115O/14	7,082,210	584,231	VI 12	06/06/93	PFL	RS	QTZ	FEL	BIO	SCH	
VR2889A	A9316224	KG	CAL-RADO	115O/14	7,082,150	584,401	VI 3	06/06/93	PFL	GR	QTZ	FEL		VEN	10% KSP
VR2890A	A9316224	KG	CAL-RADO	115O/14	7,080,530	582,491	Rado 16	06/07/93	PFL	FL	QTZ	FEL	MUS	SCH	60% KSP, 30% QTZ BANDS, 10% MUSC, 1-2% PYY CUBES
VR2891A	A9316224	KG	CAL-RADO	115O/14	7,080,730	582,541	Rado 16	06/07/93	PFL	FL	QTZ	FEL	MUS	SCH	SAME AS 2890A
VR2892A	A9316224	KG	CAL-RADO	115O/14	7,081,030	582,611	Rado 133	06/07/93	PFL	GR	QTZ			VEN	BULL QTZ
VR2893A	A9316224	KG	CAL-RADO	115O/14	7,081,840	582,311	Rado 135	06/07/93	PFL	GR	QTZ	FEL	MUS	SCH	SAME AS 2890A
VR2894A	A9316224	KG	CAL-RADO	115O/14	7,082,400	583,321	Rado 124	06/07/93	PFL	FL	QTZ			VEN	
VR2895A	A9316224	KG	CAL-RADO	115O/14	7,082,390	583,791	VI 13	06/07/93	PFL	RS	QTZ	FEL	MUS	SCH	
VR2896A	A9316224	KG	CAL-RADO	115O/14	7,082,330	584,241	VI 3	06/07/93	PFL	FL	QTZ	FEL	MUS	SCH	
VR2955A	A9316224	KG	CAL-RADO	115O/14	7,079,410	586,301	Cal 24	06/03/93	ALD	GR	QTZ	FEL	MUS	SCH	2% QTZ EYES </=1% PYY, @ SOIL 5412A
VR2956A	A9316224	KG	CAL-RADO	115O/14	7,079,310	586,281	Cal 24	06/03/93	ALD	GR	QTZ	FEL	MUS	SCH	WT QTZ+5% PEG.KSP VEIN,IN OLD H.T. @5414A
VR2958A	A9316224	KG	CAL-RADO	115O/14	7,078,890	588,041	Cal 9	06/04/93	ALD	FL	QTZ	FEL	MUS	SCH	V.ANG FLOAT, 3MM WIDE BAND W/ 70%PYY30%QTZ
VR3242A	A9316224	KG	CAL-RADO	115O/14	7,079,900	588,211	Cal 5	06/04/93	ALD	FL	QTZ			VEN	SUB ANG FLT, VUGGY QTZ VEIN IN QMS
VR3243A	A9316224	KG	CAL-RADO	115O/14	7,080,880	585,501	Rado 57	06/04/93	ALD	RS	QTZ	MUS	BIO	SCH	W/ 1CM BANDS OF EP & HEM, & VEINLETS OF QTZ
VR3244A	A9316224	KG	CAL-RADO	115O/14	7,080,880	585,501	Rado 57	06/04/93	ALD	RS	QTZ	MUS		SCH	BANDS OF EP&HEM, VEINLETS OF QTZ & SP.HEM
VR3245A	A9316224	KG	CAL-RADO	115O/14	7,080,920	585,481	Rado 57	06/04/93	ALD	RS	QTZ	FEL		VEN	30% KSP XTALS UP TO 2CM, 70% QTZ
VR3246A	A9316224	KG	CAL-RADO	115O/14	7,080,992	585,416	R ado 57	06/04/93	ALD	FL	QTZ			VEN	CLR. VUGGY QTZ, 1-2% LIM IN CUBIC VUGS

Appendix B

Analytical Certificates - Rock Samples

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 : KLONDIKE GOLD
Comments: ATTN: ANN DOYLE

Page Number : 1-A
Total Pages : 2
Certificate Date: 05-JUL-93
Invoice No. : 19316224
P.O. Number : 05-428
Account : KAVA

CERTIFICATE OF ANALYSIS A9316224

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 2871A	205	274	< 5	0.4	3.64	14	120	0.5	4	3.64	< 0.5	19	182	43	4.98	10	< 1	0.12	< 10	3.13	1005
VR 2872A	205	274	< 5	0.2	1.61	6	260	0.5	< 2	0.51	< 0.5	12	121	39	2.86	< 10	< 1	0.36	10	1.16	705
VR 2873A	205	274	< 5	0.4	0.26	< 2	390	< 0.5	< 2	0.01	< 0.5	< 1	178	11	0.42	< 10	< 1	0.17	10	0.12	35
VR 2874A	205	274	< 5	0.2	0.48	4	1690	< 0.5	< 2	< 0.01	< 0.5	< 1	120	6	0.53	< 10	< 1	0.33	< 10	0.16	55
VR 2875A	205	274	< 5	0.2	0.23	4	1650	< 0.5	< 2	3.54	< 0.5	< 1	199	3	0.47	< 10	< 1	0.14	10	0.07	470
VR 2876A	205	274	< 5	0.2	0.07	2	170	< 0.5	< 2	< 0.01	< 0.5	< 1	190	1	0.41	< 10	< 1	0.04	< 10	< 0.01	175
VR 2877A	205	274	< 5	0.2	0.03	< 2	40	< 0.5	< 2	0.01	< 0.5	< 1	282	< 1	0.38	< 10	< 1	< 0.01	< 10	< 0.01	60
VR 2878A	205	274	385	49.2	0.01	12	2030	< 0.5	52	< 0.01	< 0.5	< 1	223	280	0.41	< 10	2	< 0.01	< 10	< 0.01	10
VR 2879A	205	274	< 5	0.2	3.35	< 2	650	< 0.5	< 2	0.83	< 0.5	21	59	72	4.96	< 10	< 1	0.16	< 10	2.45	1225
VR 2880A	205	274	< 5	0.2	0.50	4	740	< 0.5	< 2	0.06	< 0.5	< 1	111	2	0.62	< 10	< 1	0.33	10	0.13	90
VR 2881A	205	274	< 5	0.2	0.43	4	580	< 0.5	< 2	0.01	< 0.5	< 1	113	16	0.58	< 10	< 1	0.32	< 10	0.07	50
VR 2882A	205	274	< 5	< 0.2	0.27	6	3240	< 0.5	< 2	0.01	< 0.5	< 1	179	8	1.07	< 10	< 1	0.22	10	0.01	140
VR 2883A	205	274	< 5	< 0.2	0.14	2	880	< 0.5	< 2	0.04	< 0.5	< 1	311	1	0.40	< 10	< 1	0.16	< 10	0.01	65
VR 2884A	205	274	< 5	0.2	0.09	< 2	90	< 0.5	< 2	0.36	< 0.5	1	251	3	0.53	< 10	< 1	0.05	< 10	0.14	295
VR 2885A	205	274	< 5	0.6	0.66	18	390	< 0.5	< 2	0.59	7.5	2	123	95	0.75	< 10	< 1	0.46	20	0.19	460
VR 2886A	205	274	< 5	< 0.2	1.02	< 2	600	< 0.5	< 2	0.21	< 0.5	3	128	10	1.51	< 10	< 1	0.64	10	0.58	285
VR 2887A	205	274	< 5	0.2	0.11	< 2	3010	< 0.5	< 2	0.03	< 0.5	1	249	4	0.40	< 10	< 1	0.03	< 10	0.03	125
VR 2888A	205	274	< 5	0.2	0.34	12	430	< 0.5	< 2	< 0.01	< 0.5	< 1	96	3	0.28	< 10	< 1	0.28	< 10	0.04	35
VR 2889A	205	274	< 5	< 0.2	0.14	4	1270	< 0.5	2	< 0.01	< 0.5	< 1	303	1	0.38	< 10	< 1	0.09	< 10	0.02	35
VR 2890A	205	274	< 5	0.2	0.39	2	270	< 0.5	< 2	< 0.01	< 0.5	< 1	152	4	0.77	< 10	< 1	0.25	20	0.03	100
VR 2891A	205	274	< 5	< 0.2	0.54	2	390	< 0.5	< 2	0.03	< 0.5	< 1	159	1	0.46	< 10	< 1	0.32	10	0.15	65
VR 2892A	205	274	< 5	0.2	0.06	< 2	70	< 0.5	< 2	< 0.01	< 0.5	< 1	309	1	0.44	< 10	< 1	0.02	< 10	< 0.01	35
VR 2893A	205	274	< 5	0.2	0.48	2	1290	< 0.5	< 2	0.02	< 0.5	< 1	154	1	0.46	< 10	< 1	0.34	20	0.04	30
VR 2894A	205	274	< 5	< 0.2	0.01	< 2	20	< 0.5	< 2	< 0.01	< 0.5	< 1	297	< 1	0.29	< 10	< 1	< 0.01	< 10	< 0.01	15
VR 2895A	205	274	< 5	0.2	0.29	< 2	360	< 0.5	< 2	< 0.01	< 0.5	< 1	162	< 1	0.74	< 10	< 1	0.19	< 10	0.02	15
VR 2896A	205	274	< 5	0.2	0.45	2	930	< 0.5	< 2	< 0.01	< 0.5	1	104	4	0.59	< 10	< 1	0.29	< 10	0.06	55
VR 2955A	205	274	< 5	0.2	0.34	2	250	< 0.5	< 2	0.38	< 0.5	1	110	< 1	0.38	< 10	< 1	0.30	20	0.02	465
VR 2956A	205	274	< 5	< 0.2	0.12	< 2	80	< 0.5	< 2	< 0.01	< 0.5	< 1	252	< 1	0.29	< 10	< 1	0.08	10	0.01	90
VR 2958A	205	274	< 5	0.2	0.50	< 2	130	< 0.5	< 2	0.11	< 0.5	1	103	< 1	1.51	< 10	< 1	0.40	20	0.10	125
VR 3242A	205	274	< 5	0.4	0.06	6	60	< 0.5	< 2	< 0.01	< 0.5	< 1	263	3	0.33	< 10	< 1	0.01	< 10	< 0.01	60
VR 3243A	205	274	< 5	0.2	0.47	< 2	1410	< 0.5	< 2	0.23	< 0.5	< 1	133	3	0.51	< 10	2	0.18	10	0.02	110
VR 3244A	205	274	< 5	0.2	0.46	< 2	1620	< 0.5	< 2	0.21	0.5	2	93	1	0.38	< 10	< 1	0.30	20	0.02	180
VR 3245A	205	274	< 5	0.2	0.21	4	330	< 0.5	< 2	< 0.01	< 0.5	< 1	159	< 1	0.20	< 10	< 1	0.24	< 10	< 0.01	45
VR 3246A	205	274	< 5	< 0.2	0.13	< 2	90	< 0.5	< 2	0.03	< 0.5	< 1	187	< 1	0.31	< 10	< 1	0.07	< 10	< 0.01	200
VR 3247A	205	274	< 5	0.8	1.07	2	20	1.0	< 2	0.34	< 0.5	< 1	98	1	0.81	10	< 1	0.34	10	0.13	200

CERTIFICATION: Stuart Bichlen

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

o: KENNECOTT CANADA, INC.

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

Project : KLONDIKE GOLD
Comments: ATTN: ANN DOYLE

Page Number :1-B
Total Pages :2
Certificate Date: 05-JUL-93
Invoice No. :19316224
P.O. Number :05-428
Account :KAVA

CERTIFICATE OF ANALYSIS A9316224

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 2871A	205	274	< 1	0.05	22	360	24	4	9	57	< 0.01	< 10	< 10	79	20	90
VR 2872A	205	274	1	0.02	22	660	6	< 2	5	15	0.02	< 10	< 10	33	< 10	84
VR 2873A	205	274	< 1	0.01	4	40	34	< 2	< 1	8	< 0.01	< 10	< 10	1	< 10	22
VR 2874A	205	274	1	0.05	1	40	2	< 2	< 1	12	< 0.01	< 10	< 10	< 1	< 10	18
VR 2875A	205	274	< 1	0.02	2	130	10	2	1	120	< 0.01	< 10	< 10	2	< 10	8
VR 2876A	205	274	< 1	< 0.01	1	60	< 2	< 2	< 1	2	< 0.01	< 10	< 10	1	< 10	2
VR 2877A	205	274	< 1	< 0.01	4	10	< 2	< 2	< 1	3	< 0.01	< 10	< 10	1	< 10	2
VR 2878A	205	274	< 1	< 0.01	2	< 10	1735	96	< 1	226	< 0.01	< 10	< 10	< 1	< 10	18
VR 2879A	205	274	< 1	0.04	11	430	26	2	4	37	0.24	< 10	< 10	73	10	140
VR 2880A	205	274	< 1	0.06	1	90	26	< 2	1	21	< 0.01	< 10	< 10	2	< 10	18
VR 2881A	205	274	< 1	0.04	1	20	12	< 2	1	7	< 0.01	< 10	< 10	1	< 10	14
VR 2882A	205	274	< 1	0.02	1	80	10	2	1	41	< 0.01	< 10	< 10	1	< 10	20
VR 2883A	205	274	< 1	< 0.01	3	20	6	4	< 1	10	< 0.01	< 10	< 10	1	< 10	6
VR 2884A	205	274	< 1	0.01	4	70	8	< 2	< 1	20	< 0.01	< 10	< 10	1	< 10	20
VR 2885A	205	274	< 1	0.03	3	590	6	< 2	< 1	29	< 0.01	< 10	< 10	3	< 10	924
VR 2886A	205	274	< 1	0.07	4	410	12	< 2	3	31	0.03	< 10	< 10	10	< 10	56
VR 2887A	205	274	< 1	0.02	2	150	< 2	< 2	< 1	150	< 0.01	< 10	< 10	2	< 10	4
VR 2888A	205	274	< 1	0.05	< 1	30	4	< 2	< 1	5	< 0.01	< 10	< 10	< 1	< 10	26
VR 2889A	205	274	< 1	0.02	3	20	< 2	< 2	< 1	23	< 0.01	< 10	< 10	1	< 10	< 2
VR 2890A	205	274	< 1	0.04	1	110	2	< 2	< 1	2	< 0.01	< 10	< 10	1	< 10	6
VR 2891A	205	274	< 1	0.09	1	130	< 2	< 2	< 1	6	< 0.01	< 10	< 10	2	< 10	6
VR 2892A	205	274	< 1	< 0.01	3	40	< 2	< 2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	< 2
VR 2893A	205	274	< 1	0.06	< 1	290	2	< 2	< 1	15	< 0.01	< 10	< 10	1	< 10	4
VR 2894A	205	274	< 1	< 0.01	4	10	< 2	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	< 2
VR 2895A	205	274	< 1	0.08	1	50	6	< 2	< 1	4	< 0.01	< 10	< 10	< 1	< 10	4
VR 2896A	205	274	< 1	0.08	< 1	60	18	< 2	1	12	< 0.01	< 10	< 10	< 1	< 10	28
VR 2955A	205	274	< 1	0.01	2	270	4	< 2	< 1	11	< 0.01	< 10	< 10	1	< 10	4
VR 2956A	205	274	< 1	< 0.01	3	40	6	< 2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	< 2
VR 2958A	205	274	1	0.02	1	20	< 2	< 2	< 1	18	< 0.01	< 10	< 10	< 1	< 10	< 2
VR 3242A	205	274	< 1	0.01	3	20	6	< 2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	< 2
VR 3243A	205	274	< 1	0.08	1	220	44	< 2	1	38	0.01	< 10	< 10	2	< 10	14
VR 3244A	205	274	< 1	0.03	< 1	220	22	< 2	1	40	0.01	< 10	< 10	1	< 10	12
VR 3245A	205	274	< 1	0.01	1	10	4	< 2	< 1	8	< 0.01	< 10	< 10	< 1	< 10	< 2
VR 3246A	205	274	< 1	0.02	3	100	6	< 2	< 1	4	< 0.01	< 10	< 10	1	< 10	< 2
VR 3247A	205	274	< 1	0.10	2	40	14	< 2	< 1	7	< 0.01	< 10	< 10	1	< 10	164

CERTIFICATION: Stuart Bichler

Appendix C

Soil Sample Descriptions

Soil Sample Descriptions: List of Abreviations

PROJECT (PROJ.)

LS Lonestar *KG* Klondike Gold

SAMPLER

__ Sampler's Initials

SAMPLE TYPE (TYPE)

SL Soil

ORGANIC CONTENT (ORG)

__ Given as %

SOIL HORIZON (HOR)

Based upon USGS classification

1)Organic Soils

O Organic (humic to fibric organic layer)

2) Mineral Soils

A Zone of clay and sequioxide depletion and/or insitu organic carbon concentration.

B Zone of sequioxide, organic carbon, and clay enrichment

C Mineral soil unefected by the above pedogenic processes

R Insitu weathered rock (too hard to break with hands)

COLOR

BK	Black	*BL*	Blue
BN	Brown	*BF*	Buff
GY	Grey	*OL*	Olive
OR	Orange	*PP*	Purple
RD	Red	*TA*	Tan
WT	White	*YW*	Yellow

DEPTH

Given in centimetres

CLAY CONTENT

L Low *M* Medium *H* High

Cal & Rado Claims: Soil Sample Descriptions

SAMPLE#	CERTIF. #	PROJ.	PROPERTY	UTM N	UTM E	CLAIM	DATE	SAMPLER	TYPE	ORG	HOR	COLOUR	DEPTH	CLAY	MOISTURE	COMMENTS
VR3061A	A9316458	KG	CAL-RADO	7,080,974	585,342	Rado 67	?	PFL	SL	NA	B	OR-BN	15	L	MOIST	
VR3062A	A9316458	KG	CAL-RADO	7,080,956	585,294	Rado 67	?	PFL	SL	NA	B	LT-BN	15	M	MOIST	
VR3063A	A9316458	KG	CAL-RADO	7,080,940	585,252	Rado 69	?	PFL	SL	NA	B	OR-BN	20	L	MOIST	
VR3064A	A9316458	KG	CAL-RADO	7,080,923	585,204	Rado 69	?	PFL	SL	NA	B	OR-BN	30	L	MOIST	
VR3065A	A9316458	KG	CAL-RADO	7,080,903	585,156	Rado 69	?	PFL	SL	NA	B	RD-BN	40	L	MOIST	
VR3066A	A9316458	KG	CAL-RADO	7,080,886	585,109	Rado 69	?	PFL	SL	NA	B	OR-BN	10	L	MOIST	
VR3067A	A9316458	KG	CAL-RADO	7,080,867	585,063	Rado 69	?	PFL	SL	NA	B	RD-BN	25	L	MOIST	
VR3058A	A9316458	KG	CAL-RADO	7,080,848	585,016	Rado 69	?	PFL	SL	NA	B	OR-BN	20	L	MOIST	
VR3059A	A9316458	KG	CAL-RADO	7,080,834	584,972	Rado 69	?	PFL	SL	NA	B	OR-BN	15	L	MOIST	
VR3060A	A9316458	KG	CAL-RADO	7,080,814	584,925	Rado 69	?	PFL	SL	NA	B	OR-BN	25	L	MOIST	
VR3061A	A9316458	KG	CAL-RADO	7,080,794	584,874	Rado 69	?	PFL	SL	NA	B	OR-BN	20	L	MOIST	
VR3062A	A9316458	KG	CAL-RADO	7,080,778	584,826	Rado 69	?	PFL	SL	NA	B	OR-BN	20	L	MOIST	
VR3063A	A9316458	KG	CAL-RADO	7,080,759	584,782	Rado 61	?	PFL	SL	NA	B	OR-BN	15	L	MOIST	
VR3064A	A9316458	KG	CAL-RADO	7,080,742	584,735	Rado 61	?	PFL	SL	NA	B	OR-BN	15	L	MOIST	
VR3065A	A9316458	KG	CAL-RADO	7,080,725	584,690	Rado 61	?	PFL	SL	NA	B	OR-BN	10	L	MOIST	
VR3066A	A9316458	KG	CAL-RADO	7,080,705	584,640	Rado 62	?	PFL	SL	NA	B	BJ-BN	15	L	MOIST	
VR3067A	A9316458	KG	CAL-RADO	7,080,688	584,593	Rado 62	?	PFL	SL	NA	B	OR-BN	20	L	MOIST	
VR3068A	A9316458	KG	CAL-RADO	7,080,669	584,546	Rado 62	?	PFL	SL	NA	B	OR-BN	30	L	MOIST	
VR3069A	A9316458	KG	CAL-RADO	7,080,652	584,501	Rado 62	?	PFL	SL	NA	B	BN	30	L	MOIST	
VR3070A	A9316458	KG	CAL-RADO	7,080,634	584,453	Rado 62	?	PFL	SL	NA	B	BJ-BN	30	L	MOIST	
VR3071A	A9316458	KG	CAL-RADO	7,080,617	584,408	Rado 62	?	PFL	SL	NA	B	BJ-BN	20	L	MOIST	
VR3072A	A9316458	KG	CAL-RADO	7,080,598	584,361	Rado 64	?	PFL	SL	NA	B	BN	20	L	MOIST	
VR3267A	A9316459	KG	CAL-RADO	7,079,962	586,516	Rado 191	06/03/93	KC	SL	NA	B	RD-BN	25	M	WET	PERMAFROST
VR3268A	A9316459	KG	CAL-RADO	7,079,998	586,551	Rado 191	06/03/93	KC	SL	NA	B	RD-BN	20	L	DRY	
VR3269A	A9316459	KG	CAL-RADO	7,080,035	586,587	Rado 191	06/03/93	KC	SL	NA	B	RD-BN	40	L	WET	PERMAFROST
VR3270A	A9316459	KG	CAL-RADO	7,080,071	586,621	Rado 191	06/03/93	KC	SL	NA	B	RD-BN	20	L	MOIST	
VR3271A	A9316459	KG	CAL-RADO	7,080,106	586,655	Rado 191	06/03/93	KC	SL	NA	AC	GR-BN	20	L	MOIST	PERMAFROST
VR3272A	A9316459	KG	CAL-RADO	7,080,145	586,691	Rado 191	06/03/93	KC	SL	NA	AC	GR-BN	20	L	MOIST	PERMAFROST
VR3273A	A9316459	KG	CAL-RADO	7,080,182	586,725	Rado 191	06/03/93	KC	SL	NA	B	RD-BN	20	L	DRY	
VR3274A	A9316459	KG	CAL-RADO	7,080,217	586,758	Rado 191	06/03/93	KC	SL	NA	B	LT-BN	10	L	MOIST	
VR3275A	A9316459	KG	CAL-RADO	7,080,254	586,794	Rado 191	06/03/93	KC	SL	NA	B	RD-BN	20	L	MOIST	QUARTZ FLOAT
VR3276A	A9316459	KG	CAL-RADO	7,080,292	586,827	Rado 177	06/03/93	KC	SL	NA	B	RD-BN	15	L	DRY	
VR3277A	A9316459	KG	CAL-RADO	7,080,326	586,861	Rado 177	06/03/93	KC	SL	NA	B	RD-BN	20	L	MOIST	
VR3278A	A9316459	KG	CAL-RADO	7,080,364	586,897	Rado 177	06/03/93	KC	SL	NA	B	RD-BN	20	L	DRY	
VR3279A	A9316459	KG	CAL-RADO	7,080,398	586,930	Rado 177	06/03/93	KC	SL	NA	B	BN	15	L	MOIST	
VR3280A	A9316459	KG	CAL-RADO	7,080,435	586,966	Rado 177	06/03/93	KC	SL	NA	B	RD-BN	15	L	DRY	GRITTY
VR3281A	A9316459	KG	CAL-RADO	7,080,467	586,997	Rado 177	06/03/93	KC	SL	NA	B	LT-BN	15	M	MOIST	GRITTY
VR3282A	A9316459	KG	CAL-RADO	7,080,509	587,035	Rado 177	06/03/93	KC	SL	NA	B	LT-BN	20	M	WET	PERMAFROST
VR3283A	A9316459	KG	CAL-RADO	7,080,543	587,068	Rado 177	06/03/93	KC	SL	NA	B	RD-BN	20	L	MOIST	
VR3284A	A9316459	KG	CAL-RADO	7,080,573	587,097	Rado 177	06/03/93	KC	SL	NA	B	RD-BN	20	L	WET	GRITTY
VR3285A	A9316459	KG	CAL-RADO	7,080,623	587,079	Rado 177	06/03/93	KC	SL	NA	B	LT-BN	30	M	WET	PERMAFROST
VR3286A	A9316459	KG	CAL-RADO	7,080,669	587,065	Rado 177	06/03/93	KC	SL	NA	B	LT-BN	35	H	WET	PERMAFROST
VR3287A	A9316459	KG	CAL-RADO	7,080,718	587,050	Rado 178	06/03/93	KC	SL	NA	B	RD-BN	20	L	WET	PERMAFROST
VR3288A	A9316459	KG	CAL-RADO	7,080,767	587,036	Rado 178	06/03/93	KC	SL	NA	B	BN	25	L	WET	
VR3289A	A9316459	KG	CAL-RADO	7,080,813	587,021	Rado 178	06/03/93	KC	SL	NA	B	DK-BN	30	H	WET	PERMAFROST
VR3291A	A9316459	KG	CAL-RADO	7,080,909	586,992	Rado 176	06/03/93	KC	SL	NA	AB	LT-BN	30	M	WET	PERMAFROST
VR3292A	A9316459	KG	CAL-RADO	7,080,955	586,977	Rado 176	06/03/93	KC	SL	NA	B	DK-BN	25	M	WET	PERMAFROST
VR3293A	A9316459	KG	CAL-RADO	7,081,004	586,962	Rado 176	06/03/93	KC	SL	NA	B	GR-BN	25	H	WET	PERMAFROST
VR3296A	A9316459	KG	CAL-RADO	7,080,577	587,146	Rado 177	06/04/93	KC	SL	NA	B	BN	20	L	WET	GRITTY
VR3297A	A9316459	KG	CAL-RADO	7,080,583	587,194	Rado 176	06/04/93	KC	SL	NA	B	BN	25	L	WET	PERMAFROST
VR3298A	A9316459	KG	CAL-RADO	7,080,589	587,242	Rado 176	06/04/93	KC	SL	NA	B	BN	20	L	DRY	ANGULAR ROCK FROGMENTS
VR3299A	A9316459	KG	CAL-RADO	7,080,595	587,292	Rado 176	06/04/93	KC	SL	NA	B	RD-BN	20	L	MOIST	GRITTY
VR3300A	A9316459	KG	CAL-RADO	7,080,601	587,342	Rado 176	06/04/93	KC	SL	NA	B	BN	30	L	MOIST	ANGULAR ROCK FRAGMANTS
VR3301A	A9316459	KG	CAL-RADO	7,080,606	587,391	Rado 175	06/04/93	KC	SL	NA	B	LT-BN	25	M	WET	
VR3302A	A9316459	KG	CAL-RADO	7,080,611	587,440	Rado 175	06/04/93	KC	SL	NA	B	DK-BN	30	M	WET	PERMAFROST
VR3303A	A9316459	KG	CAL-RADO	7,080,617	587,491	Rado 175	06/04/93	KC	SL	NA	B	BN-RD	20	L	MOIST	
VR3304A	A9316459	KG	CAL-RADO	7,080,622	587,541	Rado 175	06/04/93	KC	SL	NA	B	RD-BN	30	L	MOIST	GRITTY
VR3305A	A9316459	KG	CAL-RADO	7,080,627	587,590	Rado 176	06/04/93	KC	SL	NA	B	RD-BN	30	M	WET	FROZEN
VR3306A	A9316459	KG	CAL-RADO	7,080,633	587,639	Rado 176	06/04/93	KC	SL	NA	B	BN	35	M	WET	FROZEN
VR3307A	A9316459	KG	CAL-RADO	7,080,639	587,689	Rado 176	06/04/93	KC	SL	NA	B	DK-BN	30	M	WET	FROZEN
VR3308A	A9316459	KG	CAL-RADO	7,080,647	587,740	Rado 173	06/04/93	KC	SL	NA	B	BN-RD	30	H	WET	

Cal & Rado Claims: Soil Sample Descriptions

SAMPLE#	CERTIF. #	PROJ.	PROPERTY	UTM N	UTM E	CLAIM	DATE	SAMPLER	TYPE	ORG	HOR	COLOUR	DEPTH	CLAY	MOISTURE	COMMENTS
VR3309A	A9316459	KG	CAL-RADO	7,080,651	587,790	Rado 173	06/04/93	KC	SL	NA	B	GN-BN	35	H	WET	FROZEN
VR3310A	A9316459	KG	CAL-RADO	7,080,658	587,838	Rado 173	06/04/93	KC	SL	NA	B	BN	30	H	WET	
VR3311A	A9316459	KG	CAL-RADO	7,080,661	587,887	Cal 1	06/04/93	KC	SL	NA	B	LT-BN	20	H	WET	
VR3312A	A9316459	KG	CAL-RADO	7,080,666	587,940	Cal 1	06/04/93	KC	SL	NA	B	BN-RD	30	M	MOIST	QUARTZ FLOAT
VR3313A	A9316459	KG	CAL-RADO	7,080,672	587,986	Cal 1	06/04/93	KC	SL	NA	B	BN	20	L	WET	
VR3314A	A9316459	KG	CAL-RADO	7,080,679	588,039	Cal 1	06/04/93	KC	SL	NA	B	RD-BN	20	M	MOIST	
VR3315A	A9316459	KG	CAL-RADO	7,080,684	588,086	Cal 1	06/04/93	KC	SL	NA	B	BN	40	M	WET	FROZEN
VR3316A	A9316459	KG	CAL-RADO	7,080,692	588,135	Cal 1	06/04/93	KC	SL	NA	B	GN-BN	25	H	WET	FROZEN
VR3317A	A9316459	KG	CAL-RADO	7,080,698	588,186	Cal 1	06/04/93	KC	SL	NA	B	RD-BN	25	L	MOIST	FROZEN
VR3318A	A9316459	KG	CAL-RADO	7,080,701	588,238	Cal 1	06/04/93	KC	SL	NA	B	BN	25	M	WET	FROZEN
VR3319A	A9316459	KG	CAL-RADO	7,079,900	586,531	Rado 195	06/04/93	KC	SL	NA	B	RD-BN	10	L	WET	
VR3320A	A9316459	KG	CAL-RADO	7,079,872	586,571	Rado 195	06/04/93	KC	SL	NA	B	RD-BN	15	L	DRY	GRITTY WITH ANGULAR FRAGMENTS
VR3321A	A9316459	KG	CAL-RADO	7,079,846	586,612	Cal 14	06/04/93	KC	SL	NA	B	DK-BN	10	M	WET	
VR3322A	A9316459	KG	CAL-RADO	7,079,817	586,656	Cal 14	06/04/93	KC	SL	NA	B	RD-BN	10	L	DRY	
VR3323A	A9316459	KG	CAL-RADO	7,079,791	586,697	Cal 14	06/04/93	KC	SL	NA	B	RD-BN	20	L	DRY	
VR3324A	A9316459	KG	CAL-RADO	7,079,763	586,740	Cal 14	06/04/93	KC	SL	NA	B	LT-BN	15	L	MOIST	GRITTY
VR3325A	A9316459	KG	CAL-RADO	7,079,737	586,780	Cal 14	06/04/93	KC	SL	NA	B	LT-BN	20	L	DRY	
VR3326A	A9316459	KG	CAL-RADO	7,079,708	586,822	Cal 14	06/04/93	KC	SL	NA	B	BN	10	L	MOIST	
VR3327A	A9316459	KG	CAL-RADO	7,079,680	586,867	Cal 14	06/04/93	KC	SL	NA	B	RD-BN	15	L	DRY	
VR3328A	A9316459	KG	CAL-RADO	7,079,654	586,909	Cal 14	06/04/93	KC	SL	NA	B	BN	15	NA	DRY	
VR3329A	A9316459	KG	CAL-RADO	7,079,627	586,950	Cal 14	06/04/93	KC	SL	NA	B	LT-BN	20	M	WET	
VR3330A	A9316459	KG	CAL-RADO	7,079,600	586,991	Cal 14	06/04/93	KC	SL	NA	B	RD-BN	15	L	MOIST	
VR3331A	A9316459	KG	CAL-RADO	7,079,569	587,038	Cal 15	06/04/93	KC	SL	NA	B	RD-BN	10	L	MOIST	
VR3332A	A9316459	KG	CAL-RADO	7,079,544	587,075	Cal 16	06/04/93	KC	SL	NA	B	RD-BN	10	L	MOIST	
VR3333A	A9316459	KG	CAL-RADO	7,079,516	587,116	Cal 17	06/04/93	KC	SL	NA	B	RD-BN	10	L	DRY	
VR3334A	A9316459	KG	CAL-RADO	7,079,491	587,159	Cal 17	06/04/93	KC	SL	NA	B	RD-BN	15	M	MOIST	
VR3335A	A9316459	KG	CAL-RADO	7,079,462	587,202	Cal 17	06/04/93	KC	SL	NA	B	RD-BN	15	L	DRY	
VR3336A	A9316459	KG	CAL-RADO	7,079,436	587,245	Cal 17	06/04/93	KC	SL	NA	B	RD-BN	10	M	WET	
VR3337A	A9316459	KG	CAL-RADO	7,079,407	587,287	Cal 17	06/04/93	KC	SL	NA	B	RD-BN	20	L	MOIST	
VR3338A	A9316459	KG	CAL-RADO	7,079,381	587,327	Cal 17	06/04/93	KC	SL	NA	B	RD-BN	20	L	MOIST	
VR3339A	A9316459	KG	CAL-RADO	7,079,353	587,369	Cal 17	06/04/93	KC	SL	NA	B	LT-BN	25	L	MOIST	
VR3340A	A9316459	KG	CAL-RADO	7,079,329	587,413	Cal 17	06/04/93	KC	SL	NA	B	BN-RD	20	M	MOIST	
VR3341A	A9316168	KG	CAL-RADO	7,079,958	586,456	Rado 193	06/05/93	KC/TS	SL	NA	B	LT BN	20	L	MOIST	
VR3342A	A9316168	KG	CAL-RADO	7,079,989	586,416	Rado 193	06/05/93	KC/TS	SL	NA	B	LT BN	15	M	MOIST	GRITTY
VR3343A	A9316168	KG	CAL-RADO	7,080,021	586,376	Rado 193	06/05/93	KC/TS	SL	NA	B	RD-BN	15	L	DRY	ANGULAR ROCK FLOAT
VR3344A	A9316168	KG	CAL-RADO	7,080,052	586,341	Rado 193	06/05/93	KC/TS	SL	NA	B	LT BN	15	L	MOIST	GRITTY
VR3345A	A9316168	KG	CAL-RADO	7,080,083	586,299	Rado 193	06/05/93	KC/TS	SL	NA	B	RD-BN	5	M	MOIST	GRITTY
VR3346A	A9316168	KG	CAL-RADO	7,080,113	586,262	Rado 193	06/05/93	KC/TS	SL	NA	B	RD-BN	15	L	MOIST	SMALL ANGULAR ROCKS
VR3347A	A9316168	KG	CAL-RADO	7,080,147	586,222	Rado 192	06/05/93	KC/TS	SL	NA	B	LT BN	20	M/L	DRY	
VR3348A	A9316168	KG	CAL-RADO	7,080,179	586,182	Rado 192	06/05/93	KC/TS	SL	NA	B	LT BN	20	M/H	DRY	
VR3349A	A9316168	KG	CAL-RADO	7,080,212	586,144	Rado 192	06/05/93	KC/TS	SL	NA	B	LT BN	15	M	MOIST	GRITTY
VR3350A	A9316168	KG	CAL-RADO	7,080,242	586,106	Rado 192	06/05/93	KC/TS	SL	NA	B	RD-BN	15	L	MOIST	LARGE PLATEY ROCK FLOAT
VR3351A	A9316168	KG	CAL-RADO	7,080,273	586,067	Rado 192	06/05/93	KC/TS	SL	NA	B	BN	20	M/H	WET	SMALL PEBBLES
VR3352A	A9316168	KG	CAL-RADO	7,080,306	586,029	Rado 192	06/05/93	KC/TS	SL	NA	B	LT BN	10	M/L	MOIST	QTZ FLOAT
VR3353A	A9316168	KG	CAL-RADO	7,080,338	585,987	Rado 192	06/05/93	KC/TS	SL	NA	B	LT BN	6	L	MOIST	QTZ FLOAT
VR3354A	A9316168	KG	CAL-RADO	7,080,370	585,949	Rado 192	06/05/93	KC/TS	SL	NA	B	RD-BN	15	M	MOIST	ANGULAR ROCKS
VR3355A	A9316168	KG	CAL-RADO	7,080,402	585,910	Rado 192	06/05/93	KC/TS	SL	NA	B	DK BN	10	M	DRY	LARGE TO SMALL ANGULAR ROCKS
VR3356A	A9316168	KG	CAL-RADO	7,080,432	585,872	Rado 169	06/05/93	KC/TS	SL	NA	B	DK BN	10	M	DRY	LARGE TO MED ANGULAR ROCKS
VR3357A	A9316168	KG	CAL-RADO	7,080,465	585,833	Rado 169	06/05/93	KC/TS	SL	NA	B	DK BN	10	M	DRY	LARGE TO MED ANGULAR ROCKS
VR3358A	A9316168	KG	CAL-RADO	7,080,495	585,795	Rado 169	06/05/93	KC/TS	SL	NA	B	BN	15	M	MOIST	
VR3359A	A9316168	KG	CAL-RADO	7,080,527	585,757	Rado 169	06/05/93	KC/TS	SL	NA	B	BN	10	L	DRY	SCATTERED ANGULAR ROCKS
VR3360A	A9316168	KG	CAL-RADO	7,080,559	585,718	Rado 169	06/05/93	KC/TS	SL	NA	B	BN	10	L	DRY	
VR3361A	A9316168	KG	CAL-RADO	7,080,598	585,685	Rado 169	06/05/93	KC/TS	SL	NA	B	RD-BN	10	L	DRY	ROCKY
VR3362A	A9316168	KG	CAL-RADO	7,080,637	585,656	Rado 169	06/05/93	KC/TS	SL	NA	B	BN	10	?	MOIST	
VR3363A	A9316168	KG	CAL-RADO	7,080,679	585,627	Rado 169	06/05/93	KC/TS	SL	NA	B	BN	10	L	MOIST	
VR3364A	A9316168	KG	CAL-RADO	7,080,719	585,596	Rado 169	06/05/93	KC/TS	SL	NA	B	BN	15	?	MOIST	EVENLY DISTRIBUTED PEBBLES
VR3365A	A9316168	KG	CAL-RADO	7,080,755	585,567	Rado 169	06/05/93	KC/TS	SL	NA	B	?	10	M	DRY	ANGULAR ROCKS
VR3366A	A9316168	KG	CAL-RADO	7,080,796	585,538	Rado 67	06/05/93	KC/TS	SL	NA	B	RD-BN	10	H	MOIST	WELL DEVELOPED "B" LAYER
VR3367A	A9316168	KG	CAL-RADO	7,080,836	585,507	Rado 67	06/05/93	KC/TS	SL	NA	B	BN	20	M	DRY	GRITTY
VR3368A	A9316168	KG	CAL-RADO	7,080,876	585,478	Rado 67	06/05/93	KC/TS	SL	NA	B	DK BN	15	M	MOIST	ANGULAR ROCKS
VR3369A	A9316168	KG	CAL-RADO	7,080,919	585,447	Rado 67	06/05/93	KC/TS	SL	NA	B	BN-RD	10	L	MOIST	QTZ FLOAT

Cal & Rado Claims: Soil Sample Descriptions

SAMPLE#	CERTIF. #	PROJ.	PROPERTY	UTM N	UTM E	CLAIM	DATE	SAMPLER	TYPE	ORG	HOR	COLOUR	DEPTH	CLAY	MOISTURE	COMMENTS
VR3370A	A9316168	KG	CAL-RADO	7,080,960	585,415	Rado 67	06/06/93	KC/TS	SL	NA	B	LT BN	10	L	DRY	
VR3371A	A9316168	KG	CAL-RADO	7,080,990	585,394	Rado 67	06/06/93	KC/TS	SL	NA	B	LT BN	10	M/L	MOIST	
VR3372A	A9316168	KG	CAL-RADO	7,081,021	585,374	Rado 67	06/06/93	KC/TS	SL	NA	B	LT BN	20	M/L	MOIST	
VR3373A	A9316168	KG	CAL-RADO	7,081,063	585,346	Rado 67	06/06/93	KC/TS	SL	NA	B	BN	20	M	MOIST	GRITTY
VR3374A	A9316168	KG	CAL-RADO	7,081,108	585,319	Rado 67	06/06/93	KC/TS	SL	NA	B	BN	25	L	DRY	VERY PEBBLY
VR3375A	A9316168	KG	CAL-RADO	7,081,150	585,294	Rado 68	06/06/93	KC/TS	SL	NA	B	BN-RD	25	L	DRY	ABUNDANT FLOAT/PEBBLY
VR3376A	A9316168	KG	CAL-RADO	7,081,193	585,270	Rado 68	06/06/93	KC/TS	SL	NA	B	LT BN	15	L	DRY	GRITTY
VR3377A	A9316168	KG	CAL-RADO	7,081,237	585,243	Rado 68	06/06/93	KC/TS	SL	NA	B	BN	15	L	DRY	GRITTY
VR3378A	A9316168	KG	CAL-RADO	7,081,280	585,215	Rado 68	06/06/93	KC/TS	SL	NA	B	BN	10	M	MOIST	GRITTY
VR3379A	A9316168	KG	CAL-RADO	7,081,323	585,192	Rado 68	06/06/93	KC/TS	SL	NA	B	LT BN	15	L	WET	VERY FINE GRIT
VR3380A	A9316168	KG	CAL-RADO	7,081,364	585,165	Rado 68	06/06/93	KC/TS	SL	NA	B	BN-RD	20	L	DRY	ANGULAR ROCK FRAGS
VR3381A	A9316168	KG	CAL-RADO	7,081,407	585,139	Rado 68	06/06/93	KC/TS	SL	NA	B	BN-RD	20	M	MOIST	
VR3382A	A9316168	KG	CAL-RADO	7,081,451	585,112	Rado 68	06/06/93	KC/TS	SL	NA	B	BN	10	L	MOIST	GRITTY
VR3383A	A9316168	KG	CAL-RADO	7,081,493	585,087	Rado 68	06/06/93	KC/TS	SL	NA	B	BN	10	L	DRY	GRITTY
VR3384A	A9316168	KG	CAL-RADO	7,081,537	585,061	VI 43	06/06/93	KC/TS	SL	NA	B	BN-RD	20	L	DRY	GRITTY
VR3385A	A9316168	KG	CAL-RADO	7,081,575	585,036	VI 43	06/06/93	KC/TS	SL	NA	B	RD-BN	20	M/L	MOIST	FINE GRIT
VR3386A	A9316168	KG	CAL-RADO	7,081,623	585,007	VI 43	06/06/93	KC/TS	SL	NA	B	RD-BN	15	L	DRY	
VR3387A	A9316168	KG	CAL-RADO	7,081,663	584,983	VI 43	06/06/93	KC/TS	SL	NA	B	BN-RD	20	L	MOIST	GRITTY
VR3388A	A9316168	KG	CAL-RADO	7,081,702	584,959	VI 43	06/06/93	KC/TS	SL	NA	B	BN	15	M	WET	GRITTY
VR3389A	A9316168	KG	CAL-RADO	7,081,750	584,930	VI 43	06/06/93	KC/TS	SL	NA	B	RD-BN	15	L	MOIST	GRITTY
VR3390A	A9316168	KG	CAL-RADO	7,081,790	584,905	VI 43	06/06/93	KC/TS	SL	NA	B	BN	10	M	MOIST	
VR3391A	A9316168	KG	CAL-RADO	7,081,831	584,881	VI 43	06/06/93	KC/TS	SL	NA	B	BN-RD	10	L	DRY	PEBBLY
VR3392A	A9316168	KG	CAL-RADO	7,081,860	584,857	VI 3	06/06/93	KC/TS	SL	NA	B	BN	20	M	WET	
VR3393A	A9316168	KG	CAL-RADO	7,081,875	584,845	VI 3	06/06/93	KC/TS	SL	NA	B	DK BN-RD	20	M/L	MOIST	
VR3394A	A9316168	KG	CAL-RADO	7,081,904	584,807	VI 3	06/06/93	KC/TS	SL	NA	B	BN	15	L	DRY	ANGULAR ROCK FRAGS
VR3395A	A9316168	KG	CAL-RADO	7,081,933	584,767	VI 3	06/06/93	KC/TS	SL	NA	B	BN-RD	10	L	MOIST	
VR3396A	A9316168	KG	CAL-RADO	7,081,965	584,724	VI 3	06/06/93	KC/TS	SL	NA	B	LT BN	20	M/L	MOIST	
VR3397A	A9316168	KG	CAL-RADO	7,081,994	584,685	VI 3	06/06/93	KC/TS	SL	NA	B	BN	15	L	MOIST	PEBBLY
VR3398A	A9316168	KG	CAL-RADO	7,082,021	584,646	VI 3	06/06/93	KC/TS	SL	NA	B	BN	30	L	DRY	SMALL ANGULAR ROCK FRAGS
VR3399A	A9316168	KG	CAL-RADO	7,082,051	584,606	VI 3	06/06/93	KC/TS	SL	NA	B	BN-RD	10	L	DRY	TRENCH 39 M FROM VR3398A/PEBBLY
VR3400A	A9316168	KG	CAL-RADO	7,082,081	584,564	VI 3	06/06/93	KC/TS	SL	NA	B	LT BN	15	L	DRY	GRITTY
VR3401A	A9316168	KG	CAL-RADO	7,082,111	584,526	VI 3	06/06/93	KC/TS	SL	NA	B	BN	15	M/L	MOIST	
VR3402A	A9316168	KG	CAL-RADO	7,082,143	584,486	VI 3	06/06/93	KC/TS	SL	NA	B	BN-RD	20	M	MOIST	
VR3403A	A9316168	KG	CAL-RADO	7,082,172	584,443	VI 6	06/06/93	KC/TS	SL	NA	B	BN	15	M	MOIST	
VR3404A	A9316168	KG	CAL-RADO	7,082,202	584,401	VI 6	06/06/93	KC/TS	SL	NA	B	RD-BN	20	L	DRY	VERY GRITTY
VR3405A	A9316168	KG	CAL-RADO	7,082,230	584,363	VI 6	06/06/93	KC/TS	SL	NA	B	BN	15	M	DRY	
VR3406A	A9316168	KG	CAL-RADO	7,082,260	584,320	VI 6	06/06/93	KC/TS	SL	NA	B	BN	15	M	MOIST	
VR3407A	A9316168	KG	CAL-RADO	7,082,288	584,281	VI 6	06/06/93	KC/TS	SL	NA	B	BN	15	L	WET	GRITTY
VR3408A	A9316168	KG	CAL-RADO	7,082,318	584,241	VI 6	06/06/93	KC/TS	SL	NA	B	BN-RD	20	L	MOIST	PEBBLY
VR3409A	A9316168	KG	CAL-RADO	7,082,349	584,200	VI 6	06/06/93	KC/TS	SL	NA	B	LT BN	15	L	MOIST	GRITTY
VR3410A	A9316168	KG	CAL-RADO	7,082,379	584,158	VI 12	06/06/93	KC/TS	SL	NA	B	BN	10	M	MOIST	
VR3411A	A9316168	KG	CAL-RADO	7,082,383	584,118	VI 12	06/06/93	KC/TS	SL	NA	B	BN-RD	15	M/L	MOIST	
VR3412A	A9316168	KG	CAL-RADO	7,082,383	584,068	VI 12	06/06/93	KC/TS	SL	NA	B	BN	15	M/L	MOIST	
VR3413A	A9316168	KG	CAL-RADO	7,082,384	584,020	VI 12	06/06/93	KC/TS	SL	NA	B	BN	15	M	MOIST	
VR3414A	A9316168	KG	CAL-RADO	7,082,385	583,968	VI 12	06/06/93	KC/TS	SL	NA	B	LT BN	25	M/H	MOIST	
VR3415A	A9316168	KG	CAL-RADO	7,082,385	583,919	VI 12	06/06/93	KC/TS	SL	NA	B	LT BN	15	H/M	MOIST	
VR3416A	A9316168	KG	CAL-RADO	7,082,386	583,869	VI 12	06/07/93	KC/TS	SL	NA	B	RD-BN	15	L	DRY	ANGULAR ROCK FRAGS
VR3417A	A9316168	KG	CAL-RADO	7,082,388	583,815	Vi 13	06/07/93	KC/TS	SL	NA	B	BN	15	L	WET	ANGULAR ROCK FRAGS
VR3418A	A9316168	KG	CAL-RADO	7,082,390	583,767	VI 13	06/07/93	KC/TS	SL	NA	B	LT BN	15	M/L	MOIST	PEBBLY
VR3419A	A9316168	KG	CAL-RADO	7,082,392	583,717	VI 13	06/07/93	KC/TS	SL	NA	B	DK BN	15	L	MOIST	GRITTY
VR3420A	A9316168	KG	CAL-RADO	7,082,391	583,670	Rado 124	06/07/93	KC/TS	SL	NA	B	BN	15	L	WET	
VR3421A	A9316168	KG	CAL-RADO	7,082,394	583,617	Rado 124	06/07/93	KC/TS	SL	NA	B	LT BN	20	M	WET	
VR3422A	A9316168	KG	CAL-RADO	7,082,395	583,566	Rado 124	06/07/93	KC/TS	SL	NA	B	RD-BN	20	L	WET	
VR3423A	A9316168	KG	CAL-RADO	7,082,395	583,517	Rado 124	06/07/93	KC/TS	SL	NA	B	LT BN	15	L	WET	
VR3424A	A9316168	KG	CAL-RADO	7,082,396	583,464	Rado 124	06/07/93	KC/TS	SL	NA	B	BN	15	L	WET	
VR3425A	A9316168	KG	CAL-RADO	7,082,397	583,416	Rado 124	06/07/93	KC/TS	SL	NA	B	BN	25	M	WET	
VR3426A	A9316168	KG	CAL-RADO	7,082,401	583,368	Rado 124	06/07/93	KC/TS	SL	NA	B	BN-RD	20	M	WET	
VR3427A	A9316168	KG	CAL-RADO	7,082,402	583,320	Rado 124	06/07/93	KC/TS	SL	NA	B	BN-GY	25	H	WET	
VR3428A	A9316168	KG	CAL-RADO	7,082,402	583,268	Rado 124	06/07/93	KC/TS	SL	NA	B	LT BN	15	M	WET	
VR3429A	A9316168	KG	CAL-RADO	7,082,403	583,215	Rado 124	06/07/93	KC/TS	SL	NA	B	BN-RD	20	L	DRY	ROCKY
VR3430A	A9316168	KG	CAL-RADO	7,082,405	583,163	Rado 123	06/07/93	KC/TS	SL	NA	B	LT BN	20	M	MOIST	GRITTY

Cal & Rado Claims: Soil Sample Descriptions

SAMPLE#	CERTIF. #	PROJ.	PROPERTY	UTM N	UTM E	CLAIM	DATE	SAMPLER	TYPE	ORG	HOR	COLOUR	DEPTH	CLAY	MOISTURE	COMMENTS
VR3431A	A9316168	KG	CAL-RADO	7,082,407	583,116	Rado 125	06/07/93	KC/TS	SL	NA	B	LT BN	20	M	MOIST	
VR3432A	A9316168	KG	CAL-RADO	7,082,407	583,066	Rado 125	06/07/93	KC/TS	SL	NA	B	LT BN	25	H	WET	ROCKY
VR3433A	A9316168	KG	CAL-RADO	7,082,410	583,014	Rado 125	06/07/93	KC/TS	SL	NA	B	BN-RD	25	M	WET	
VR3434A	A9316168	KG	CAL-RADO	7,082,411	582,964	Rado 125	06/07/93	KC/TS	SL	NA	B	BN-OR	20	H	WET	
VR3435A	A9316168	KG	CAL-RADO	7,082,411	582,914	Rado 125	06/07/93	KC/TS	SL	NA	B	BN	20	L	MOIST	
VR3436A	A9316168	KG	CAL-RADO	7,082,414	582,864	Rado 125	06/07/93	KC/TS	SL	NA	B	BN	25	M	WET	GRITTY
VR3437A	A9316168	KG	CAL-RADO	7,082,414	582,816	Rado 125	06/07/93	KC/TS	SL	NA	B	LT BN	20	L	DRY	
VR3438A	A9316168	KG	CAL-RADO	7,082,415	582,766	Rado 125	06/07/93	KC/TS	SL	NA	B	BN	25	M	MOIST	
VR3439A	A9316168	KG	CAL-RADO	7,082,417	582,713	Rado 125	06/07/93	KC/TS	SL	NA	B	LT BN	20	L	MOIST	
VR3440A	A9316168	KG	CAL-RADO	7,082,418	582,666	Rado 125	06/07/93	KC/TS	SL	NA	B	LT BN	15	L	DRY	ROCKY
VR3441A	A9316168	KG	CAL-RADO	7,082,419	582,617	Rado 125	06/07/93	KC/TS	SL	NA	B	GY-BN	25	M	WET	GRITTY
VR3442A	A9316168	KG	CAL-RADO	7,082,421	582,565	Rado 137	06/07/93	KC/TS	SL	NA	B	BN-RD	20	M	MOIST	
VR3443A	A9316168	KG	CAL-RADO	7,082,421	582,515	Rado 137	06/07/93	KC/TS	SL	NA	B	BN-RD	25	M	MOIST	
VR3444A	A9316168	KG	CAL-RADO	7,082,423	582,464	Rado 137	06/07/93	KC/TS	SL	NA	B	LT BN	20	L	MOIST	
VR3445A	A9316168	KG	CAL-RADO	7,082,424	582,414	Rado 137	06/07/93	KC/TS	SL	NA	B	BN-RD	20	L	WET	
VR3446A	A9316168	KG	CAL-RADO	7,082,425	582,364	Rado 137	06/07/93	KC/TS	SL	NA	B	RD-BN	20	M	WET	
VR3447A	A9316168	KG	CAL-RADO	7,082,426	582,327	Rado 137	06/07/93	KC/TS	SL	NA						NO DATA/SAMPLE TAKEN
VR3449A	A9316168	KG	CAL-RADO	7,082,380	582,323	Rado 137	06/07/93	KC/TS	SL	NA	B	BN-RD	15	M	MOIST	
VR3450A	A9316168	KG	CAL-RADO	7,082,331	582,322	Rado 137	06/07/93	KC/TS	SL	NA	B	BN-RD	20	M	WET	
VR3451A	A9316168	KG	CAL-RADO	7,082,280	582,320	Rado 137	06/07/93	KC/TS	SL	NA	B	BN-RD	20	M	WET	
VR3452A	A9316168	KG	CAL-RADO	7,082,228	582,319	Rado 137	06/07/93	KC/TS	SL	NA	B	BN-RD	15	L	WET	
VR3453A	A9316168	KG	CAL-RADO	7,082,179	582,317	Rado 137	06/07/93	KC/TS	SL	NA	B	RD-BN	25	M	WET	
VR3454A	A9316168	KG	CAL-RADO	7,082,128	582,316	Rado 137	06/08/93	KC/TS	SL	NA	B	RD-BN	20	L	DRY	
VR3455A	A9316168	KG	CAL-RADO	7,082,079	582,313	Rado 137	06/08/93	KC/TS	SL	NA	B	BN	15	L	DRY	ROCKY
VR3456A	A9316168	KG	CAL-RADO	7,082,028	582,312	Rado 137	06/08/93	KC/TS	SL	NA	B	RD-BN	20	L	DRY	ABUNDANT LARGE FLOAT
VR3457A	A9316168	KG	CAL-RADO	7,081,981	582,309	Rado 137	06/08/93	KC/TS	SL	NA	B	BN-RD	15	M	MOIST	ROCKY
VR3458A	A9316168	KG	CAL-RADO	7,081,926	582,308	Rado 137	06/08/93	KC/TS	SL	NA	B	BN-RD	15	M	MOIST	
VR3459A	A9316168	KG	CAL-RADO	7,081,876	582,306	Rado 136	06/08/93	KC/TS	SL	NA	B	BN	15	M/L	MOIST	
VR3460A	A9316168	KG	CAL-RADO	7,081,835	582,307	Rado 136	06/08/93	KC/TS	SL	NA	B	RD-BN	20	M	MOIST	ROCKY
VR3461A	A9316168	KG	CAL-RADO	7,081,792	582,327	Rado 136	06/08/93	KC/TS	SL	NA	B	BN-RD	25	M	WET	ROCKY
VR3462A	A9316168	KG	CAL-RADO	7,081,745	582,350	Rado 136	06/08/93	KC/TS	SL	NA	B	BN-RD	20	L	DRY	ROCKY
VR3463A	A9316168	KG	CAL-RADO	7,081,700	582,371	Rado 136	06/08/93	KC/TS	SL	NA	B	LT BN	20	L	MOIST	ROCKY
VR3464A	A9316168	KG	CAL-RADO	7,081,655	582,393	Rado 136	06/08/93	KC/TS	SL	NA	B	LT BN	15	L	DRY	ROCKY
VR3465A	A9316168	KG	CAL-RADO	7,081,608	582,414	Rado 136	06/08/93	KC/TS	SL	NA	B	BN-RD	15	L	DRY	GRITTY
VR3466A	A9316168	KG	CAL-RADO	7,081,561	582,437	Rado 136	06/08/93	KC/TS	SL	NA	B	BN-RD	20	M	MOIST	ABUNDANT FLOAT
VR3467A	A9316168	KG	CAL-RADO	7,081,519	582,456	Rado 133	06/08/93	KC/TS	SL	NA	B	LT BN	25	L	DRY	ROCKY
VR3468A	A9316168	KG	CAL-RADO	7,081,473	582,480	Rado 133	06/08/93	KC/TS	SL	NA	B	DK BN	20	M	MOIST	
VR3469A	A9316168	KG	CAL-RADO	7,081,427	582,499	Rado 133	06/08/93	KC/TS	SL	NA	B	LT BN	25	H	WET	
VR3470A	A9316168	KG	CAL-RADO	7,081,385	582,519	Rado 133	06/08/93	KC/TS	SL	NA	B	LT BN	25	H	WET	
VR3471A	A9316168	KG	CAL-RADO	7,081,337	582,543	Rado 133	06/08/93	KC/TS	SL	NA	B	RD-BN	20	M	MOIST	SOME LARGE FLOAT IN AREA
VR3472A	A9316168	KG	CAL-RADO	7,081,276	582,557	Rado 133	06/08/93	KC/TS	SL	NA	B	LT BN	25	L	DRY	GRITTY
VR3473A	A9316168	KG	CAL-RADO	7,081,230	582,568	Rado 133	06/08/93	KC/TS	SL	NA	B	LT BN	15	M	MOIST	GRITTY
VR3474A	A9316168	KG	CAL-RADO	7,081,176	582,582	Rado 133	06/08/93	KC/TS	SL	NA	B	BN-RD-GY	20	H	MOIST	
VR3475A	A9316168	KG	CAL-RADO	7,081,132	582,592	Rado 133	06/08/93	KC/TS	SL	NA	B	BN-RD	20	M	MOIST	
VR3476A	A9316168	KG	CAL-RADO	7,081,081	582,605	Rado 133	06/08/93	KC/TS	SL	NA	B	LT BN	20	L	DRY	GRITTY
VR3477A	A9316168	KG	CAL-RADO	7,081,021	582,618	Rado 133	06/08/93	KC/TS	SL	NA	B	BN-RD	15	L	DRY	GRITTY
VR3480A	A9316168	KG	CAL-RADO	7,081,000	582,666	Rado 14	06/08/93	KC/TS	SL	NA	B	BN-RD	20	L	DRY	ROCKY
VR3481A	A9316168	KG	CAL-RADO	7,080,973	582,706	Rado 14	06/08/93	KC/TS	SL	NA	B	BN-RD	20	M	MOIST	GRITTY
VR3482A	A9316168	KG	CAL-RADO	7,080,951	582,746	Rado 14	06/08/93	KC/TS	SL	NA	B	RD-BN	15	L	DRY	GRITTY
VR3483A	A9316168	KG	CAL-RADO	7,080,920	582,792	Rado 14	06/08/93	KC/TS	SL	NA	B	LT BN	25	M	MOIST	
VR3484A	A9316168	KG	CAL-RADO	7,080,895	582,834	Rado 14	06/08/93	KC/TS	SL	NA	B	BN	20	L	DRY	GRITTY
VR3485A	A9316168	KG	CAL-RADO	7,080,869	582,872	Rado 14	06/08/93	KC/TS	SL	NA	B	BN-RD	20	M	MOIST	
VR3486A	A9316168	KG	CAL-RADO	7,080,844	582,918	Rado 14	06/08/93	KC/TS	SL	NA	B	BN-RD	20	M	MOIST	GRITTY
VR3487A	A9316168	KG	CAL-RADO	7,080,816	582,961	Rado 14	06/08/93	KC/TS	SL	NA	B	LT BN	10	L	DRY	ROCKY
VR3488A	A9316168	KG	CAL-RADO	7,080,788	583,006	Rado 14	06/08/93	KC/TS	SL	NA	B	BN-RD	15	L	MOIST	GRITTY
VR3489A	A9316168	KG	CAL-RADO	7,080,762	583,049	Rado 14	06/08/93	KC/TS	SL	NA	B	LT BN	15	L	DRY	ROCKY
VR3490A	A9316168	KG	CAL-RADO	7,080,737	583,090	Rado 13	06/08/93	KC/TS	SL	NA	B	BN	15	L	MOIST	
VR3491A	A9316168	KG	CAL-RADO	7,080,711	583,132	Rado 13	06/08/93	KC/TS	SL	NA	B	BN	15	M	WET	
VR3492A	A9316168	KG	CAL-RADO	7,080,685	583,175	Rado 11	06/08/93	KC/TS	SL	NA	B	BN	20	H	WET	
VR3493A	A9316168	KG	CAL-RADO	7,080,659	583,214	Rado 11	06/08/93	KC/TS	SL	NA	B	GY	25	H	WET	
VR3494A	A9316168	KG	CAL-RADO	7,080,631	583,261	Rado 11	06/08/93	KC/TS	SL	NA	B	LT BN	20	L	DRY	ROCKY

Cal & Rado Claims: Soil Sample Descriptions

SAMPLE#	CERTIF. #	PROJ.	PROPERTY	UTM N	UTM E	CLAIM	DATE	SAMPLER	TYPE	ORG	HOR	COLOUR	DEPTH	CLAY	MOISTURE	COMMENTS
VR3495A	A9316168	KG	CAL-RADO	7,080,604	583,308	Rado 11	06/08/93	KC/TS	SL	NA	B	RD-BN	20	M	MOIST	
VR3496A	A9316168	KG	CAL-RADO	7,080,578	583,346	Rado 11	06/08/93	KC/TS	SL	NA	B	RD-BN	25	L	DRY	GRITTY
VR3497A	A9316168	KG	CAL-RADO	7,080,554	583,387	Rado 11	06/08/93	KC/TS	SL	NA	B	BN	25	L	DRY	
VR3498A	A9316168	KG	CAL-RADO	7,080,527	583,429	Rado 11	06/08/93	KC/TS	SL	NA	B	BN	20	M	MOIST	
VR3499A	A9316168	KG	CAL-RADO	7,080,500	583,471	Rado 11	06/08/93	KC/TS	SL	NA	B	LT BN	15	M	MOIST	PARTIALLY GRITTY
VR3500A	A9316168	KG	CAL-RADO	7,080,476	583,511	Rado 11	06/08/93	KC/TS	SL	NS						NO DATA/SAMPLE TAKEN
VR5401A	A9316460	KG	CAL-RADO	7,079,928	586,489	Rado 193	06/04/93	PFL	SL	NA	B	LT-BN	15	L	MOIST	
VR5402A	A9316460	KG	CAL-RADO	7,079,875	586,468	Rado 193	06/04/93	PFL	SL	NA	B	LT-BN	NA	L	MOIST	
VR5403A	A9316460	KG	CAL-RADO	7,079,830	586,453	Rado 193	06/04/93	PFL	SL	NA	B	LT-BN	20	L	MOIST	
VR5404A	A9316460	KG	CAL-RADO	7,079,784	586,436	Rado 193	06/04/93	PFL	SL	NA	B	LT-BN	10	M-L	MOIST	
VR5405A	A9316460	KG	CAL-RADO	7,079,738	586,418	Rado 193	06/04/93	PFL	SL	NA	BC	OR-BN	15	L	MOIST	
VR5406A	A9316460	KG	CAL-RADO	7,079,689	586,402	OFF CLAIMS	06/04/93	PFL	SL	NA	B	OR-BN	20	L	MOIST	
VR5407A	A9316460	KG	CAL-RADO	7,079,640	586,384	OFF CLAIMS	06/04/93	PFL	SL	NA	B	OR-BN	25	L	MOIST	
VR5408A	A9316460	KG	CAL-RADO	7,079,595	586,367	OFF CLAIMS	06/04/93	PFL	SL	NA	BC	OR-BN	15	L	MOIST	
VR5409A	A9316460	KG	CAL-RADO	7,079,549	586,351	OFF CLAIMS	06/04/93	PFL	SL	NA	B	OR-BN	25	L	MOIST	
VR5410A	A9316460	KG	CAL-RADO	7,079,503	586,334	Cal 24	06/04/93	PFL	SL	NA	B	OR	15	L	MOIST	
VR5411A	A9316460	KG	CAL-RADO	7,079,453	586,315	Cal 24	06/04/93	PFL	SL	NA	B	OR-BN	20	L	MOIST	
VR5412A	A9316460	KG	CAL-RADO	7,079,407	586,300	Cal 24	06/04/93	PFL	SL	NA	B	LT-BN	20	L	MOIST	
VR5413A	A9316460	KG	CAL-RADO	7,079,360	586,285	Cal 24	06/04/93	PFL	SL	NA	B	LT-BN	15	L	MOIST	
VR5414A	A9316460	KG	CAL-RADO	7,079,315	586,266	Cal 24	06/04/93	PFL	SL	NA	B	BN	15	L	MOIST	
VR5415A	A9316460	KG	CAL-RADO	7,079,265	586,263	Cal 24	06/04/93	PFL	SL	NA	B	OR-BN	10	L	MOIST	
VR5416A	A9316460	KG	CAL-RADO	7,079,214	586,265	Cal 24	06/04/93	PFL	SL	NA	B	OR-BN	20	L	MOIST	
VR5417A	A9316460	KG	CAL-RADO	7,079,165	586,267	Cal 24	06/04/93	PFL	SL	NA	B	BG-BN	20	L	MOIST	
VR5418A	A9316460	KG	CAL-RADO	7,079,116	586,269	Cal 24	06/04/93	PFL	SL	NA	BC	LT-BN	20	L	MOIST	
VR5419A	A9316460	KG	CAL-RADO	7,079,067	586,271	Cal 24	06/04/93	PFL	SL	NA	B	BN	20	L	MOIST	
VR5420A	A9316460	KG	CAL-RADO	7,079,014	586,272	Cal 25	06/04/93	PFL	SL	NA	B	OR-BN	15	L	MOIST	
VR5421A	A9316460	KG	CAL-RADO	7,078,965	586,274	Cal 25	06/04/93	PFL	SL	NA	B	OR-BN	15	L	MOIST	
VR5422A	A9316460	KG	CAL-RADO	7,078,913	586,275	Cal 25	06/04/93	PFL	SL	NA	B	OR-BN	15	L	MOIST	
VR5423A	A9316460	KG	CAL-RADO	7,078,862	586,279	Cal 25	06/04/93	PFL	SL	NA	B	OR-BN	30	L	MOIST	
VR5424A	A9316460	KG	CAL-RADO	7,078,814	586,279	Cal 25	06/04/93	PFL	SL	NA	B	OR-BG	20	L	MOIST	
VR5425A	A9316460	KG	CAL-RADO	7,078,761	586,281	Cal 25	06/04/93	PFL	SL	NA	B	OR-BN	20	L	MOIST	
VR5426A	A9316460	KG	CAL-RADO	7,078,713	586,283	Cal 25	06/04/93	PFL	SL	NA	B	BN	20	L	MOIST	
VR5427A	A9316460	KG	CAL-RADO	7,078,662	586,284	Cal 25	06/04/93	PFL	SL	NA	B	BJ-BN	20	L	MOIST	
VR5428A	A9316460	KG	CAL-RADO	7,078,614	586,286	Cal 25	06/04/93	PFL	SL	NA	C	BN	20	L	MOIST	
VR5429A	A9316460	KG	CAL-RADO	7,078,564	586,288	Cal 26	06/04/93	PFL	SL	NA	BC	LT-BN	15	L	MOIST	
VR5430A	A9316460	KG	CAL-RADO	7,078,513	586,290	Cal 26	06/04/93	PFL	SL	NA	BC	BG-BN	20	L	MOIST	
VR5431A	A9316460	KG	CAL-RADO	7,078,463	586,291	Cal 26	06/04/93	PFL	SL	NA	BC	OR-BN	20	L	MOIST	
VR5432A	A9316460	KG	CAL-RADO	7,078,413	586,293	Cal 26	06/04/93	PFL	SL	NA	B	BG-BN	20	L	MOIST	
VR5433A	A9316460	KG	CAL-RADO	7,078,364	586,295	Cal 26	06/04/93	PFL	SL	NA	B	BG-BN	15	L	MOIST	
VR5434A	A9316460	KG	CAL-RADO	7,078,318	586,295	Cal 26	06/04/93	PFL	SL	NA	B	BN	10	M-L	MOIST	

Appendix D

Analytical Certificates - Soil Samples

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

Comments: ATTN: A.DOYLE

CERTIFICATE

KENNECOTT CANADA, INC.

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-FEB-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201		Dry, sieve to -80 mesh
203		Dry, sieve to -35 mesh
205		Geochem ring to approx 150 mesh
229		ICP - AQ Digestion charge
274		0-15 lb crush and split
* 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
983		Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118		Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119		Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120		As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121		Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122		Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123		Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124		Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125		Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126		Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127		Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128		Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150		Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130		Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131		Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132		K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151		La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134		Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135		Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136		Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137		Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138		Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139		P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140		Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141		Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142		Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143		Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144		Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145		Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146		U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147		V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148		W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149		Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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

Project :
Comments: ATTN: ANN DOYLE

Page Number : 1-A
Total Pages : 1
Certificate Date: 08-JUL-93
Invoice No. : I9316458
P.O. Number :
Account : KAVA

CERTIFICATE OF ANALYSIS A9316458

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 3051A	201	229	< 5	0.2	2.79	14	370	0.5	2	0.16	< 0.5	10	42	23	3.38	< 10	< 1	0.09	10	0.63	315
VR 3052A	201	229	40	0.4	2.75	< 2	500	0.5	2	0.16	0.5	7	42	26	3.25	10	< 1	0.08	20	0.57	270
VR 3053A	201	229	< 5	< 0.2	1.31	8	1390	< 0.5	< 2	0.09	< 0.5	2	10	11	1.79	< 10	< 1	0.13	10	0.25	135
VR 3054A	201	229	< 5	< 0.2	1.97	6	610	0.5	< 2	0.23	< 0.5	9	28	18	3.21	10	< 1	0.25	10	0.67	330
VR 3055A	201	229	< 5	< 0.2	2.08	2	600	0.5	< 2	0.21	< 0.5	8	32	16	3.11	10	< 1	0.26	< 10	0.83	310
VR 3056A	201	229	< 5	0.2	2.44	< 2	420	0.5	2	0.19	< 0.5	9	38	24	4.03	10	< 1	0.14	20	0.78	275
VR 3057A	201	229	< 5	0.2	0.91	10	420	< 0.5	< 2	0.09	< 0.5	7	13	7	1.89	< 10	< 1	0.10	< 10	0.31	530
VR 3058A	201	229	< 5	< 0.2	1.28	< 2	200	< 0.5	< 2	0.09	0.5	3	12	12	2.33	< 10	< 1	0.31	< 10	0.97	325
VR 3059A	201	229	< 5	< 0.2	1.43	8	280	< 0.5	4	0.09	< 0.5	8	24	14	3.20	< 10	< 1	0.08	10	0.50	225
VR 3060A	201	229	< 5	< 0.2	1.54	16	250	< 0.5	< 2	0.09	< 0.5	5	22	12	2.52	< 10	< 1	0.09	10	0.56	170
VR 3061A	201	229	< 5	< 0.2	1.25	2	200	< 0.5	< 2	0.09	< 0.5	2	11	10	2.05	< 10	< 1	0.33	< 10	0.86	230
VR 3062A	201	229	< 5	< 0.2	1.24	< 2	210	< 0.5	4	0.12	< 0.5	3	15	9	1.83	< 10	< 1	0.13	10	0.59	170
VR 3063A	201	229	< 5	< 0.2	1.61	8	200	< 0.5	2	0.13	< 0.5	4	22	15	2.11	< 10	< 1	0.09	10	0.55	195
VR 3064A	201	229	< 5	< 0.2	1.98	< 2	250	< 0.5	< 2	0.11	< 0.5	6	24	20	2.52	< 10	< 1	0.09	10	0.48	180
VR 3065A	201	229	< 5	< 0.2	1.70	< 2	280	< 0.5	2	0.15	< 0.5	4	24	17	2.08	< 10	< 1	0.08	20	0.53	155
VR 3066A	201	229	< 5	< 0.2	1.74	14	310	0.5	< 2	0.19	< 0.5	6	25	19	2.35	< 10	< 1	0.07	20	0.49	175
VR 3067A	201	229	< 5	< 0.2	1.29	< 2	160	< 0.5	6	0.08	< 0.5	2	14	38	2.14	< 10	< 1	0.08	10	0.25	75
VR 3068A	201	229	15	< 0.2	1.11	< 2	150	< 0.5	< 2	0.05	< 0.5	2	11	22	1.40	< 10	< 1	0.06	20	0.24	80
VR 3069A	201	229	< 5	< 0.2	1.29	< 2	330	< 0.5	< 2	0.16	< 0.5	3	20	30	1.73	10	< 1	0.07	30	0.35	125
VR 3070A	201	229	< 5	< 0.2	1.77	4	280	< 0.5	2	0.17	< 0.5	5	23	21	2.15	< 10	< 1	0.07	20	0.41	135
VR 3071A	201	229	< 5	< 0.2	1.15	10	230	< 0.5	8	0.09	< 0.5	4	17	16	1.86	< 10	< 1	0.04	10	0.29	110
VR 3072A	201	229	< 5	< 0.2	1.16	6	250	< 0.5	< 2	0.13	< 0.5	6	19	17	1.85	< 10	< 1	0.02	10	0.34	105

CERTIFICATION: Stuart Bichler

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

Project :
Comments: ATTN: ANN DOYLE

Certificate Date: 08-JUL-93
Invoice No. : 19316458
P.O. Number :
Account : KAVA

CERTIFICATE OF ANALYSIS A9316458

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 3051A	201	229	1	0.01	24	280	2	< 2	4	17	0.10	< 10	< 10	71	10	60
VR 3052A	201	229	2	0.01	18	300	12	2	5	17	0.10	< 10	< 10	71	< 10	52
VR 3053A	201	229	< 1	< 0.01	4	260	28	2	3	22	0.01	< 10	< 10	29	< 10	46
VR 3054A	201	229	2	< 0.01	15	810	12	< 2	6	23	0.09	< 10	< 10	58	10	68
VR 3055A	201	229	< 1	< 0.01	16	620	14	< 2	6	19	0.10	< 10	< 10	58	< 10	76
VR 3056A	201	229	1	< 0.01	19	730	12	2	6	17	0.09	< 10	< 10	72	10	68
VR 3057A	201	229	< 1	< 0.01	6	420	8	< 2	2	9	0.03	< 10	< 10	37	< 10	34
VR 3058A	201	229	< 1	< 0.01	9	380	12	< 2	4	6	0.07	< 10	< 10	27	< 10	66
VR 3059A	201	229	< 1	< 0.01	17	410	18	< 2	3	9	0.06	< 10	< 10	50	< 10	48
VR 3060A	201	229	1	< 0.01	9	170	12	< 2	3	9	0.08	< 10	< 10	48	< 10	44
VR 3061A	201	229	< 1	< 0.01	6	250	4	< 2	3	8	0.08	< 10	< 10	27	< 10	50
VR 3062A	201	229	< 1	< 0.01	8	130	14	< 2	2	11	0.09	< 10	< 10	35	< 10	38
VR 3063A	201	229	1	< 0.01	11	120	12	< 2	3	13	0.08	< 10	< 10	41	< 10	44
VR 3064A	201	229	< 1	< 0.01	13	160	14	< 2	3	13	0.09	< 10	< 10	51	< 10	50
VR 3065A	201	229	< 1	< 0.01	11	120	12	< 2	3	15	0.08	< 10	< 10	42	< 10	44
VR 3066A	201	229	< 1	0.01	15	210	10	< 2	4	16	0.07	< 10	< 10	47	< 10	46
VR 3067A	201	229	1	< 0.01	7	160	46	< 2	2	8	0.04	< 10	< 10	32	< 10	32
VR 3068A	201	229	< 1	< 0.01	4	120	36	< 2	1	6	0.03	< 10	< 10	24	< 10	32
VR 3069A	201	229	< 1	0.01	11	190	38	< 2	3	15	0.07	< 10	< 10	36	< 10	38
VR 3070A	201	229	< 1	0.01	12	230	26	2	3	15	0.08	< 10	< 10	48	< 10	42
VR 3071A	201	229	< 1	< 0.01	9	240	12	< 2	1	9	0.03	< 10	< 10	33	< 10	38
VR 3072A	201	229	< 1	< 0.01	9	220	18	< 2	2	10	0.04	< 10	< 10	36	< 10	36

CERTIFICATION: Stewart Buchler

Chemex Labs Ltd.

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

Project :
Comments: ATTN: ANN DOYLE

Certificate Date: 08-JUL-93
Invoice No. : 19316459
P.O. Number :
Account : KAVA

CERTIFICATE OF ANALYSIS A9316459

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 3267A	201	229	< 5	< 0.2	2.15	< 2	270	< 0.5	4	0.07	< 0.5	6	30	14	4.17	< 10	< 1	0.13	10	1.02	370
VR 3268A	201	229	< 5	< 0.2	1.75	6	130	< 0.5	2	0.09	< 0.5	5	31	13	3.54	< 10	< 1	0.06	< 10	0.57	245
VR 3269A	201	229	< 5	< 0.2	1.80	< 2	140	< 0.5	2	0.07	< 0.5	6	27	17	3.63	< 10	< 1	0.08	10	0.73	340
VR 3270A	201	229	< 5	< 0.2	1.68	2	220	< 0.5	< 2	0.09	< 0.5	4	20	17	2.59	< 10	< 1	0.06	10	0.73	280
VR 3271A	201	229	< 5	< 0.2	1.01	< 2	210	< 0.5	< 2	0.07	< 0.5	1	14	12	1.34	< 10	< 1	0.04	10	0.14	50
VR 3272A	201	229	< 5	< 0.2	1.60	< 2	230	< 0.5	4	0.07	< 0.5	1	29	25	3.01	10	< 1	0.04	20	0.15	50
VR 3273A	201	229	< 5	< 0.2	1.68	2	140	< 0.5	< 2	0.10	< 0.5	4	23	8	4.00	< 10	< 1	0.10	10	0.72	290
VR 3274A	201	229	< 5	< 0.2	1.71	< 2	190	< 0.5	< 2	0.09	< 0.5	4	21	11	2.31	10	< 1	0.11	50	0.62	185
VR 3275A	201	229	< 5	< 0.2	1.55	< 2	220	< 0.5	< 2	0.11	< 0.5	3	21	17	2.15	10	< 1	0.08	40	0.60	210
VR 3276A	201	229	< 5	< 0.2	1.81	14	150	< 0.5	< 2	0.08	< 0.5	4	18	7	2.85	< 10	< 1	0.07	10	0.56	160
VR 3277A	201	229	< 5	< 0.2	1.57	2	110	< 0.5	< 2	0.08	< 0.5	3	19	7	2.41	< 10	< 1	0.10	10	0.52	120
VR 3278A	201	229	< 5	< 0.2	2.21	< 2	160	< 0.5	2	0.10	< 0.5	6	30	11	3.13	< 10	< 1	0.08	10	0.62	210
VR 3279A	201	229	< 5	< 0.2	1.97	< 2	150	< 0.5	< 2	0.09	< 0.5	5	22	9	3.04	< 10	< 1	0.17	10	0.65	180
VR 3280A	201	229	< 5	< 0.2	0.78	4	60	< 0.5	< 2	0.01	< 0.5	2	3	3	1.39	< 10	< 1	0.21	10	0.34	155
VR 3281A	201	229	< 5	< 0.2	1.66	4	180	< 0.5	< 2	0.10	< 0.5	6	23	15	2.11	< 10	< 1	0.13	20	0.65	280
VR 3282A	201	229	< 5	< 0.2	1.35	6	220	< 0.5	< 2	0.11	< 0.5	4	21	12	2.08	< 10	< 1	0.12	20	0.49	175
VR 3283A	201	229	< 5	< 0.2	1.58	< 2	140	< 0.5	< 2	0.06	< 0.5	2	22	8	2.20	< 10	< 1	0.21	30	1.25	190
VR 3284A	201	229	< 5	< 0.2	1.18	< 2	210	< 0.5	< 2	0.06	< 0.5	2	12	5	1.91	< 10	< 1	0.25	20	0.71	125
VR 3285A	201	229	< 5	< 0.2	1.20	< 2	270	< 0.5	< 2	0.11	< 0.5	4	17	11	2.34	< 10	< 1	0.18	20	0.45	145
VR 3286A	201	229	< 5	< 0.2	1.24	< 2	280	< 0.5	4	0.13	< 0.5	4	19	10	2.28	< 10	< 1	0.21	30	0.55	150
VR 3287A	201	229	< 5	< 0.2	1.63	6	200	< 0.5	2	0.11	< 0.5	4	19	8	2.34	10	< 1	0.09	10	0.31	115
VR 3288A	201	229	< 5	< 0.2	1.76	18	220	< 0.5	< 2	0.16	< 0.5	7	25	13	2.55	< 10	< 1	0.09	20	0.67	185
VR 3289A	201	229	< 5	< 0.2	1.62	< 2	290	< 0.5	< 2	0.22	0.5	4	26	18	2.38	10	< 1	0.10	20	0.52	145
VR 3291A	201	229	< 5	< 0.2	1.66	< 2	280	< 0.5	< 2	0.25	0.5	9	26	17	2.32	10	< 1	0.12	20	0.48	300
VR 3292A	201	229	< 5	< 0.2	1.47	4	190	< 0.5	2	0.22	< 0.5	5	24	14	2.01	10	< 1	0.07	10	0.40	125
VR 3293A	201	229	< 5	< 0.2	1.37	8	310	< 0.5	2	0.31	< 0.5	7	25	19	2.06	< 10	< 1	0.08	20	0.48	230
VR 3296A	201	229	< 5	< 0.2	1.85	6	250	< 0.5	< 2	0.15	< 0.5	7	27	16	2.61	10	< 1	0.11	20	0.51	205
VR 3297A	201	229	< 5	< 0.2	1.68	6	230	< 0.5	< 2	0.17	< 0.5	7	25	17	2.57	< 10	< 1	0.12	20	0.47	170
VR 3298A	201	229	< 5	0.4	1.77	14	160	< 0.5	4	0.13	< 0.5	6	28	57	3.86	10	< 1	0.12	10	0.46	350
VR 3299A	201	229	< 5	< 0.2	2.11	< 2	400	< 0.5	< 2	0.10	< 0.5	7	27	15	2.99	< 10	< 1	0.11	20	0.56	260
VR 3300A	201	229	< 5	< 0.2	1.04	14	140	< 0.5	< 2	0.09	< 0.5	2	10	8	1.53	< 10	< 1	0.17	30	0.30	130
VR 3301A	201	229	< 5	< 0.2	1.30	< 2	130	< 0.5	< 2	0.19	< 0.5	3	20	10	1.96	< 10	< 1	0.07	20	0.39	135
VR 3302A	201	229	< 5	3.4	1.67	2	610	< 0.5	< 2	0.37	0.5	7	20	36	2.55	10	< 1	0.19	70	0.32	230
VR 3303A	201	229	< 5	< 0.2	1.86	28	200	< 0.5	6	0.17	< 0.5	7	30	25	2.87	< 10	< 1	0.06	10	0.68	360
VR 3304A	201	229	< 5	< 0.2	1.48	6	240	< 0.5	< 2	0.14	< 0.5	4	17	13	1.92	< 10	< 1	0.11	20	0.28	180
VR 3305A	201	229	< 5	< 0.2	1.93	38	190	< 0.5	< 2	0.24	< 0.5	19	40	49	4.51	< 10	< 1	0.11	10	1.17	825
VR 3306A	201	229	< 5	< 0.2	1.85	6	340	< 0.5	< 2	0.43	< 0.5	8	34	17	2.70	10	< 1	0.11	20	0.68	275
VR 3307A	201	229	< 5	< 0.2	1.39	< 2	380	< 0.5	2	0.67	< 0.5	5	21	20	2.22	< 10	< 1	0.09	10	0.40	115
VR 3308A	201	229	< 5	< 0.2	3.85	< 2	170	< 0.5	< 2	0.47	< 0.5	28	65	34	5.68	10	< 1	0.02	< 10	3.36	650
VR 3309A	201	229	< 5	< 0.2	2.88	4	250	< 0.5	2	0.75	< 0.5	19	88	43	4.56	10	< 1	0.01	10	2.11	560

CERTIFICATION: Stuart Bichler

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

Project :
Comments: ATTN: ANN DOYLE

Page No. : 1-B
Total Pages : 2
Certificate Date: 08-JUL-93
Invoice No. : 19316459
P.O. Number :
Account : KAVA

CERTIFICATE OF ANALYSIS A9316459

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 3267A	201	229	< 1	< 0.01	12	330	4	< 2	4	8	0.07	< 10	< 10	45	< 10	78
VR 3268A	201	229	2	< 0.01	15	380	8	< 2	2	8	0.07	< 10	< 10	62	< 10	54
VR 3269A	201	229	1	< 0.01	10	390	30	< 2	4	6	0.06	< 10	< 10	46	< 10	100
VR 3270A	201	229	< 1	< 0.01	10	220	18	< 2	3	8	0.06	< 10	< 10	39	< 10	62
VR 3271A	201	229	< 1	0.01	3	1270	12	< 2	< 1	10	< 0.01	< 10	< 10	18	< 10	16
VR 3272A	201	229	< 1	< 0.01	5	1930	32	< 2	< 1	11	0.01	< 10	< 10	46	< 10	20
VR 3273A	201	229	1	< 0.01	9	390	< 2	< 2	3	10	0.07	< 10	< 10	53	10	50
VR 3274A	201	229	3	< 0.01	9	90	6	< 2	4	9	0.07	< 10	< 10	33	< 10	44
VR 3275A	201	229	< 1	< 0.01	13	180	6	2	3	10	0.06	< 10	< 10	35	< 10	48
VR 3276A	201	229	1	< 0.01	8	160	< 2	< 2	2	8	0.07	< 10	< 10	43	< 10	38
VR 3277A	201	229	< 1	< 0.01	6	150	4	< 2	2	9	0.07	< 10	< 10	39	< 10	32
VR 3278A	201	229	< 1	< 0.01	11	190	8	< 2	3	11	0.09	< 10	< 10	57	< 10	40
VR 3279A	201	229	< 1	< 0.01	8	220	2	< 2	3	10	0.10	< 10	< 10	46	< 10	30
VR 3280A	201	229	< 1	< 0.01	< 1	170	6	< 2	1	10	0.02	< 10	< 10	12	< 10	16
VR 3281A	201	229	< 1	< 0.01	12	130	8	< 2	3	12	0.07	< 10	< 10	38	< 10	38
VR 3282A	201	229	< 1	< 0.01	11	200	14	< 2	3	15	0.06	< 10	< 10	31	< 10	36
VR 3283A	201	229	1	< 0.01	11	230	118	< 2	2	16	0.03	< 10	< 10	19	< 10	86
VR 3284A	201	229	< 1	< 0.01	7	230	12	2	2	18	0.04	< 10	< 10	19	< 10	28
VR 3285A	201	229	< 1	< 0.01	10	360	4	< 2	2	20	0.04	< 10	< 10	28	< 10	32
VR 3286A	201	229	< 1	< 0.01	10	420	2	< 2	2	22	0.05	< 10	< 10	31	< 10	36
VR 3287A	201	229	< 1	< 0.01	7	250	10	< 2	2	13	0.08	< 10	< 10	51	< 10	28
VR 3288A	201	229	1	0.01	14	300	2	< 2	3	16	0.09	< 10	< 10	51	< 10	44
VR 3289A	201	229	< 1	0.01	13	480	4	2	4	21	0.08	< 10	< 10	45	< 10	52
VR 3291A	201	229	< 1	0.01	15	540	20	< 2	4	20	0.08	< 10	< 10	43	< 10	72
VR 3292A	201	229	1	0.01	13	500	14	< 2	3	18	0.06	< 10	< 10	43	< 10	54
VR 3293A	201	229	1	0.01	12	580	20	< 2	3	24	0.10	< 10	< 10	44	< 10	72
VR 3296A	201	229	< 1	0.01	14	240	6	< 2	4	19	0.07	< 10	< 10	47	< 10	44
VR 3297A	201	229	2	0.01	13	490	8	< 2	3	22	0.05	< 10	< 10	41	< 10	52
VR 3298A	201	229	2	< 0.01	11	660	204	< 2	3	13	0.08	< 10	< 10	64	< 10	182
VR 3299A	201	229	< 1	< 0.01	14	260	30	< 2	4	11	0.07	< 10	< 10	45	< 10	62
VR 3300A	201	229	< 1	< 0.01	5	250	28	< 2	2	12	0.02	< 10	< 10	18	< 10	60
VR 3301A	201	229	< 1	< 0.01	9	370	20	< 2	3	14	0.05	< 10	< 10	35	< 10	44
VR 3302A	201	229	< 1	0.01	12	1180	12	< 2	12	31	< 0.01	< 10	< 10	25	< 10	56
VR 3303A	201	229	< 1	< 0.01	13	240	14	4	4	14	0.05	< 10	< 10	52	< 10	122
VR 3304A	201	229	< 1	< 0.01	8	180	24	< 2	3	11	0.03	< 10	< 10	31	< 10	52
VR 3305A	201	229	1	< 0.01	26	740	56	< 2	8	11	0.01	< 10	< 10	60	< 10	144
VR 3306A	201	229	1	0.01	14	630	14	< 2	4	23	0.06	< 10	< 10	56	< 10	70
VR 3307A	201	229	< 1	0.01	13	680	10	< 2	3	34	0.03	< 10	< 10	38	< 10	66
VR 3308A	201	229	< 1	< 0.01	28	490	< 2	< 2	23	16	0.02	< 10	< 10	149	< 10	68
VR 3309A	201	229	< 1	0.01	34	600	6	< 2	13	25	0.08	< 10	< 10	100	< 10	66

CERTIFICATION: Ivan Bridler

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KENNECOTT CANADA, INC.

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Project :
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Page Number :2-A
Total Pages :2
Certificate Date: 08-JUL-93
Invoice No. :19316459
P.O. Number :
Account :KAVA

CERTIFICATE OF ANALYSIS A9316459

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 3310A	201	229	< 5	< 0.2	2.74	< 2	280	< 0.5	2	0.22	< 0.5	19	42	36	3.63	< 10	< 1	0.01	10	1.38	505
VR 3311A	201	229	< 5	< 0.2	2.24	4	160	< 0.5	< 2	0.16	< 0.5	11	48	27	3.14	< 10	< 1	0.02	< 10	1.07	275
VR 3312A	201	229	< 5	< 0.2	2.54	14	180	< 0.5	2	0.18	< 0.5	15	72	36	3.60	< 10	< 1	0.02	10	1.30	380
VR 3313A	201	229	< 5	< 0.2	3.90	< 2	160	< 0.5	2	0.20	< 0.5	24	91	37	5.64	10	< 1	0.01	10	2.95	705
VR 3314A	201	229	< 5	< 0.2	2.38	6	160	< 0.5	< 2	0.19	< 0.5	12	60	27	3.21	< 10	< 1	0.03	10	1.20	275
VR 3315A	201	229	< 5	< 0.2	2.78	< 2	220	< 0.5	4	0.18	< 0.5	13	64	29	3.82	10	< 1	0.03	< 10	1.27	370
VR 3316A	201	229	< 5	< 0.2	2.50	< 2	200	< 0.5	4	0.21	< 0.5	10	57	29	3.20	< 10	< 1	0.03	10	1.06	250
VR 3317A	201	229	< 5	< 0.2	2.70	2	220	< 0.5	< 2	0.20	< 0.5	14	36	31	3.84	< 10	< 1	0.03	10	1.15	350
VR 3318A	201	229	< 5	0.2	3.77	6	440	< 0.5	6	0.39	< 0.5	21	102	68	5.49	10	< 1	0.02	10	2.60	715
VR 3319A	201	229	< 5	< 0.2	1.97	12	570	< 0.5	4	0.07	< 0.5	4	19	11	3.57	10	< 1	0.23	70	0.29	130
VR 3320A	201	229	< 5	0.2	1.93	16	320	< 0.5	< 2	0.11	< 0.5	7	24	44	3.37	10	< 1	0.12	30	0.44	455
VR 3321A	201	229	< 5	< 0.2	2.59	16	300	< 0.5	2	0.16	< 0.5	8	37	15	3.37	10	< 1	0.08	20	0.49	235
VR 3322A	201	229	< 5	< 0.2	2.25	< 2	290	< 0.5	2	0.05	0.5	5	19	15	2.33	< 10	< 1	0.12	< 10	0.36	165
VR 3323A	201	229	< 5	0.2	1.87	< 2	460	< 0.5	< 2	0.17	< 0.5	5	23	10	2.47	10	< 1	0.13	10	0.36	400
VR 3324A	201	229	< 5	< 0.2	1.26	2	200	< 0.5	< 2	0.12	< 0.5	3	11	10	2.29	< 10	< 1	0.18	< 10	0.33	465
VR 3325A	201	229	< 5	< 0.2	2.36	16	260	< 0.5	8	0.08	< 0.5	6	25	13	2.51	< 10	< 1	0.14	< 10	0.37	205
VR 3326A	201	229	< 5	0.2	2.21	16	280	< 0.5	< 2	0.13	< 0.5	4	29	14	2.54	< 10	< 1	0.08	10	0.68	315
VR 3327A	201	229	< 5	< 0.2	2.29	< 2	580	< 0.5	< 2	0.16	< 0.5	7	28	14	2.77	10	< 1	0.09	10	0.45	375
VR 3328A	201	229	< 5	0.2	2.44	< 2	560	< 0.5	< 2	0.15	< 0.5	7	34	13	2.95	10	< 1	0.06	10	0.46	320
VR 3329A	201	229	< 5	< 0.2	2.35	< 2	530	< 0.5	< 2	0.15	< 0.5	7	38	22	3.03	< 10	< 1	0.06	20	0.55	215
VR 3330A	201	229	< 5	< 0.2	2.13	6	470	< 0.5	4	0.13	< 0.5	6	29	14	2.96	< 10	< 1	0.09	10	0.39	235
VR 3331A	201	229	< 5	< 0.2	2.59	6	540	< 0.5	4	0.13	< 0.5	6	33	19	2.86	10	< 1	0.11	20	0.51	225
VR 3332A	201	229	< 5	< 0.2	2.20	< 2	330	< 0.5	< 2	0.11	< 0.5	3	27	11	2.79	< 10	< 1	0.10	10	0.43	145
VR 3333A	201	229	< 5	< 0.2	2.77	2	310	< 0.5	2	0.09	< 0.5	5	29	13	3.56	< 10	< 1	0.11	10	0.46	150
VR 3334A	201	229	< 5	< 0.2	1.49	< 2	170	< 0.5	< 2	0.04	0.5	1	12	6	2.39	< 10	< 1	0.14	10	0.32	85
VR 3335A	201	229	< 5	< 0.2	1.68	< 2	200	< 0.5	< 2	0.06	< 0.5	2	19	10	2.58	< 10	< 1	0.13	20	0.39	120
VR 3336A	201	229	< 5	< 0.2	1.73	4	230	< 0.5	2	0.07	< 0.5	2	18	9	2.69	< 10	< 1	0.13	20	0.38	125
VR 3337A	201	229	< 5	< 0.2	1.71	12	250	< 0.5	< 2	0.11	< 0.5	4	22	10	2.82	< 10	< 1	0.11	20	0.54	155
VR 3338A	201	229	< 5	< 0.2	1.23	2	280	< 0.5	< 2	0.09	< 0.5	3	17	8	2.89	< 10	< 1	0.19	20	0.43	120
VR 3339A	201	229	< 5	< 0.2	1.85	< 2	330	< 0.5	2	0.13	< 0.5	8	28	19	2.83	< 10	< 1	0.09	10	0.50	180
VR 3340A	201	229	< 5	< 0.2	2.08	16	300	< 0.5	< 2	0.17	< 0.5	6	35	18	3.01	< 10	< 1	0.07	10	0.52	155

CERTIFICATION: Jan Bichler

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 :
Comments: ATTN: ANN DOYLE

Certificate Date: 08-JUL-93
Invoice No. :19316459
P.O. Number :
Account :KAVA

CERTIFICATE OF ANALYSIS A9316459

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 3310A	201	229	< 1	< 0.01	23	380	38	< 2	8	12	0.04	< 10	< 10	68	< 10	70
VR 3311A	201	229	< 1	< 0.01	22	230	2	2	5	11	0.06	< 10	< 10	62	< 10	58
VR 3312A	201	229	1	< 0.01	29	440	16	< 2	7	12	0.05	< 10	< 10	71	< 10	56
VR 3313A	201	229	1	< 0.01	24	570	< 2	< 2	16	8	0.02	< 10	< 10	127	10	78
VR 3314A	201	229	< 1	< 0.01	22	240	8	< 2	7	13	0.07	< 10	< 10	70	< 10	56
VR 3315A	201	229	< 1	0.01	22	380	< 2	< 2	8	14	0.06	< 10	< 10	94	< 10	58
VR 3316A	201	229	1	< 0.01	24	380	12	2	7	15	0.06	< 10	< 10	72	< 10	58
VR 3317A	201	229	< 1	< 0.01	18	390	8	< 2	8	14	0.06	< 10	< 10	78	< 10	58
VR 3318A	201	229	< 1	< 0.01	34	520	16	< 2	18	13	0.02	< 10	< 10	114	< 10	78
VR 3319A	201	229	1	0.01	6	500	18	< 2	4	25	0.03	< 10	< 10	45	< 10	40
VR 3320A	201	229	3	< 0.01	12	530	302	< 2	4	12	0.06	< 10	< 10	54	< 10	120
VR 3321A	201	229	1	0.01	15	280	6	< 2	4	16	0.10	< 10	< 10	79	< 10	52
VR 3322A	201	229	< 1	< 0.01	10	240	32	< 2	4	6	0.03	< 10	< 10	33	< 10	70
VR 3323A	201	229	1	< 0.01	11	600	34	< 2	3	15	0.05	< 10	< 10	53	< 10	70
VR 3324A	201	229	< 1	< 0.01	4	450	12	< 2	5	8	0.01	< 10	< 10	26	< 10	52
VR 3325A	201	229	< 1	< 0.01	13	260	6	2	3	8	0.06	< 10	< 10	48	< 10	58
VR 3326A	201	229	1	< 0.01	12	170	38	< 2	3	13	0.07	< 10	< 10	52	< 10	158
VR 3327A	201	229	< 1	< 0.01	16	540	14	< 2	3	15	0.07	< 10	< 10	61	< 10	54
VR 3328A	201	229	1	< 0.01	13	340	8	< 2	3	14	0.08	< 10	< 10	70	< 10	60
VR 3329A	201	229	1	0.01	18	170	16	< 2	5	15	0.08	< 10	< 10	62	< 10	52
VR 3330A	201	229	< 1	< 0.01	11	190	16	< 2	3	15	0.07	< 10	< 10	66	< 10	44
VR 3331A	201	229	1	0.01	15	180	20	4	4	17	0.07	< 10	< 10	53	< 10	52
VR 3332A	201	229	< 1	< 0.01	10	140	12	< 2	4	14	0.06	< 10	< 10	46	< 10	34
VR 3333A	201	229	2	< 0.01	12	200	4	2	3	11	0.07	< 10	< 10	52	< 10	38
VR 3334A	201	229	1	< 0.01	3	140	12	< 2	2	8	0.03	< 10	< 10	24	< 10	26
VR 3335A	201	229	< 1	< 0.01	9	90	10	2	2	10	0.04	< 10	< 10	32	< 10	34
VR 3336A	201	229	1	< 0.01	7	170	8	< 2	2	11	0.05	< 10	< 10	36	< 10	32
VR 3337A	201	229	1	< 0.01	9	150	< 2	< 2	3	16	0.07	< 10	< 10	42	< 10	36
VR 3338A	201	229	< 1	0.01	5	190	12	2	2	17	0.06	< 10	< 10	32	< 10	36
VR 3339A	201	229	1	< 0.01	15	170	12	2	4	16	0.06	< 10	< 10	46	< 10	46
VR 3340A	201	229	< 1	0.01	16	170	12	2	4	16	0.09	< 10	< 10	59	< 10	52

CERTIFICATION: Jan Bichler

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To: KENNECOTT CANADA, INC.

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

Project : KLONDIKE Au CAL/RADO
Comments:

Certificate Date: 02-JUL-93
Invoice No. :19316168
P.O. Number :
Account :KAVA

CERTIFICATE OF ANALYSIS A9316168

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR3341A	201	229	< 5	< 0.2	1.53	4	390	< 0.5	< 2	0.09	< 0.5	6	19	26	1.97	< 10	< 1	0.10	10	0.45	190
VR3342A	201	229	< 5	< 0.2	1.16	4	600	< 0.5	< 2	0.17	< 0.5	5	20	14	2.05	10	< 1	0.07	20	0.43	205
VR3343A	201	229	< 5	0.2	1.61	2	210	< 0.5	4	0.07	< 0.5	4	13	21	2.85	< 10	< 1	0.11	20	0.56	145
VR3344A	201	229	< 5	< 0.2	1.55	2	220	< 0.5	< 2	0.14	< 0.5	7	22	24	2.37	10	< 1	0.14	30	0.68	235
VR3345A	201	229	< 5	< 0.2	1.14	2	130	< 0.5	2	0.05	< 0.5	2	12	7	1.92	< 10	< 1	0.11	20	0.55	115
VR3346A	201	229	< 5	< 0.2	1.09	4	100	< 0.5	< 2	0.04	< 0.5	4	11	4	2.70	< 10	< 1	0.11	10	0.44	240
VR3347A	201	229	< 5	< 0.2	1.99	2	290	0.5	< 2	0.09	< 0.5	9	28	19	2.71	10	< 1	0.04	30	0.52	270
VR3348A	201	229	< 5	0.2	1.00	2	360	< 0.5	< 2	0.09	< 0.5	4	10	8	1.41	10	< 1	0.21	70	0.88	325
VR3349A	201	229	< 5	< 0.2	1.20	2	120	< 0.5	< 2	0.04	< 0.5	3	12	15	1.69	< 10	< 1	0.06	20	0.57	105
VR3350A	201	229	< 5	< 0.2	1.38	2	230	< 0.5	2	0.04	< 0.5	3	13	6	2.69	< 10	< 1	0.11	30	0.29	65
VR3351A	201	229	< 5	< 0.2	1.97	6	180	< 0.5	< 2	0.10	< 0.5	4	25	9	2.69	10	< 1	0.06	10	0.72	185
VR3352A	201	229	< 5	< 0.2	1.70	6	140	< 0.5	< 2	0.10	< 0.5	3	17	6	1.97	< 10	< 1	0.07	10	0.67	145
VR3353A	201	229	< 5	< 0.2	1.85	4	160	< 0.5	< 2	0.04	< 0.5	4	14	16	1.97	10	< 1	0.07	80	1.19	190
VR3354A	201	229	< 5	0.2	2.27	6	480	0.5	4	0.10	< 0.5	9	33	23	3.25	10	< 1	0.04	10	0.40	220
VR3355A	201	229	< 5	0.2	1.80	8	330	< 0.5	< 2	0.15	< 0.5	4	25	13	3.58	10	< 1	0.06	< 10	0.33	175
VR3356A	201	229	< 5	< 0.2	2.01	8	440	0.5	4	0.09	< 0.5	4	22	15	3.49	10	< 1	0.07	< 10	0.30	160
VR3357A	201	229	< 5	< 0.2	2.12	6	310	< 0.5	4	0.07	< 0.5	5	23	26	2.88	< 10	< 1	0.07	< 10	0.30	130
VR3358A	201	229	< 5	< 0.2	2.50	6	440	< 0.5	8	0.11	< 0.5	5	35	12	3.16	10	< 1	0.04	10	0.40	215
VR3359A	201	229	< 5	< 0.2	1.91	4	510	< 0.5	< 2	0.06	< 0.5	3	13	7	2.13	< 10	< 1	0.06	< 10	0.26	115
VR3360A	201	229	< 5	< 0.2	2.05	6	340	0.5	< 2	0.08	0.5	7	27	13	3.31	< 10	< 1	0.06	10	0.37	190
VR3361A	201	229	< 5	< 0.2	2.41	6	300	0.5	2	0.09	< 0.5	11	31	21	4.01	10	< 1	0.07	10	0.45	300
VR3362A	201	229	< 5	< 0.2	2.27	6	190	0.5	< 2	0.09	< 0.5	8	28	14	3.26	< 10	< 1	0.06	< 10	0.46	255
VR3363A	201	229	< 5	< 0.2	1.52	2	160	0.5	< 2	0.08	< 0.5	3	19	9	2.35	10	< 1	0.04	30	0.41	115
VR3364A	201	229	< 5	< 0.2	1.32	6	150	< 0.5	< 2	0.06	< 0.5	4	18	9	2.14	< 10	< 1	0.06	10	0.50	180
VR3365A	201	229	< 5	< 0.2	1.25	6	100	< 0.5	< 2	0.06	< 0.5	4	18	9	2.82	< 10	< 1	0.08	< 10	0.44	190
VR3366A	201	229	< 5	< 0.2	2.13	6	210	< 0.5	< 2	0.11	< 0.5	15	32	17	3.21	< 10	< 1	0.06	< 10	0.58	490
VR3367A	201	229	< 5	< 0.2	1.42	4	190	< 0.5	< 2	0.14	< 0.5	8	23	11	2.61	< 10	< 1	0.07	10	0.55	275
VR3368A	201	229	< 5	< 0.2	1.76	4	190	0.5	< 2	0.10	< 0.5	10	28	10	3.56	10	< 1	0.07	10	0.42	720
VR3369A	201	229	< 5	< 0.2	1.94	4	250	< 0.5	< 2	0.09	< 0.5	4	23	11	3.04	10	< 1	0.06	< 10	0.33	190
VR3370A	201	229	< 5	< 0.2	2.32	6	340	0.5	< 2	0.12	< 0.5	8	35	13	3.28	10	< 1	0.06	10	0.49	305
VR3371A	201	229	< 5	0.2	2.34	6	260	< 0.5	< 2	0.10	0.5	8	36	18	3.27	< 10	< 1	0.04	10	0.49	220
VR3372A	201	229	< 5	< 0.2	1.84	8	160	0.5	2	0.09	< 0.5	7	28	18	3.22	< 10	< 1	0.06	10	0.48	230
VR3373A	201	229	< 5	< 0.2	1.70	4	250	0.5	< 2	0.10	< 0.5	6	21	12	2.62	< 10	< 1	0.09	10	0.42	225
VR3374A	201	229	< 5	< 0.2	0.56	2	190	< 0.5	< 2	0.03	< 0.5	6	5	4	1.37	< 10	< 1	0.18	10	0.28	665
VR3375A	201	229	< 5	< 0.2	0.41	4	60	< 0.5	2	0.03	< 0.5	1	7	3	1.18	< 10	< 1	0.09	< 10	0.13	145
VR3376A	201	229	< 5	< 0.2	1.53	4	310	0.5	< 2	0.10	< 0.5	6	20	13	2.78	< 10	< 1	0.12	10	0.50	295
VR3377A	201	229	< 5	0.2	1.39	4	180	0.5	< 2	0.16	< 0.5	10	18	14	2.71	< 10	< 1	0.38	10	0.73	520
VR3378A	201	229	< 5	< 0.2	1.37	2	200	0.5	2	0.17	< 0.5	5	21	13	2.31	< 10	< 1	0.16	20	0.53	245
VR3379A	201	229	< 5	< 0.2	1.35	2	210	0.5	< 2	0.14	< 0.5	4	19	14	2.15	10	< 1	0.13	30	0.44	180
VR3380A	201	229	< 5	< 0.2	1.49	4	130	0.5	< 2	0.04	< 0.5	6	14	11	2.94	< 10	< 1	0.27	< 10	0.66	375

CERTIFICATION: Stuart Bichler

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To: KENNECOTT CANADA, INC.

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

Project : KLONDIKE Au CAL/RADO
Comments:

Page Number :1-B
Total Pages :4
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CERTIFICATE OF ANALYSIS A9316168

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR3341A	201	229	< 1	< 0.01	10	160	6	< 2	2	17	0.02	< 10	< 10	24	< 10	48
VR3342A	201	229	< 1	< 0.01	13	250	6	< 2	3	16	0.06	< 10	< 10	34	< 10	44
VR3343A	201	229	2	< 0.01	11	280	6	< 2	2	10	0.04	< 10	< 10	25	10	32
VR3344A	201	229	1	< 0.01	14	260	6	< 2	3	17	0.07	< 10	< 10	36	10	46
VR3345A	201	229	1	< 0.01	9	180	6	< 2	2	6	0.04	< 10	< 10	20	< 10	30
VR3346A	201	229	1	< 0.01	9	420	6	< 2	2	7	0.03	< 10	< 10	24	< 10	40
VR3347A	201	229	< 1	< 0.01	18	170	6	< 2	7	12	0.04	< 10	< 10	44	< 10	50
VR3348A	201	229	< 1	< 0.01	11	220	6	< 2	2	12	0.03	< 10	< 10	12	< 10	68
VR3349A	201	229	< 1	< 0.01	10	170	12	2	1	4	0.03	< 10	< 10	19	< 10	54
VR3350A	201	229	1	< 0.01	9	240	12	< 2	1	15	0.04	< 10	< 10	26	< 10	22
VR3351A	201	229	1	< 0.01	13	170	6	< 2	2	11	0.06	< 10	< 10	46	< 10	44
VR3352A	201	229	< 1	< 0.01	13	140	6	< 2	2	12	0.09	< 10	< 10	31	< 10	40
VR3353A	201	229	< 1	< 0.01	13	100	6	< 2	3	4	0.04	< 10	< 10	16	10	72
VR3354A	201	229	1	< 0.01	15	260	10	< 2	4	10	0.07	< 10	< 10	64	10	46
VR3355A	201	229	1	< 0.01	13	420	10	2	2	13	0.07	< 10	< 10	67	10	48
VR3356A	201	229	1	< 0.01	11	370	8	< 2	2	9	0.07	< 10	< 10	61	10	40
VR3357A	201	229	1	< 0.01	15	270	12	< 2	3	8	0.05	< 10	< 10	48	10	38
VR3358A	201	229	< 1	0.01	15	220	6	280	4	11	0.09	< 10	< 10	80	10	46
VR3359A	201	229	1	< 0.01	7	150	8	< 2	2	6	0.03	< 10	< 10	31	< 10	54
VR3360A	201	229	< 1	< 0.01	12	240	10	< 2	3	10	0.04	< 10	< 10	51	< 10	42
VR3361A	201	229	2	< 0.01	18	410	10	< 2	3	16	0.05	< 10	< 10	66	10	58
VR3362A	201	229	1	< 0.01	17	370	10	< 2	2	8	0.05	< 10	< 10	54	10	54
VR3363A	201	229	< 1	< 0.01	13	190	10	< 2	2	7	0.03	< 10	< 10	34	< 10	38
VR3364A	201	229	< 1	< 0.01	12	190	16	< 2	2	6	0.03	< 10	< 10	31	< 10	40
VR3365A	201	229	< 1	< 0.01	11	320	10	2	3	5	0.04	< 10	< 10	44	< 10	46
VR3366A	201	229	< 1	< 0.01	16	570	8	2	3	10	0.08	< 10	< 10	61	10	64
VR3367A	201	229	< 1	< 0.01	13	710	6	< 2	2	12	0.07	< 10	< 10	50	10	52
VR3368A	201	229	1	< 0.01	12	1070	8	< 2	3	9	0.07	< 10	< 10	73	< 10	58
VR3369A	201	229	1	< 0.01	11	570	10	< 2	2	8	0.06	< 10	< 10	63	< 10	48
VR3370A	201	229	1	< 0.01	20	430	8	< 2	3	10	0.07	< 10	< 10	67	10	56
VR3371A	201	229	1	0.01	21	280	10	< 2	4	9	0.07	< 10	< 10	60	< 10	54
VR3372A	201	229	< 1	< 0.01	20	290	10	< 2	3	8	0.08	< 10	< 10	57	< 10	52
VR3373A	201	229	< 1	< 0.01	16	190	12	< 2	3	8	0.05	< 10	< 10	38	< 10	54
VR3374A	201	229	1	< 0.01	3	210	8	< 2	2	3	0.05	< 10	< 10	23	< 10	34
VR3375A	201	229	< 1	< 0.01	6	160	8	< 2	1	2	0.04	< 10	< 10	21	< 10	20
VR3376A	201	229	1	< 0.01	15	280	18	< 2	3	9	0.06	< 10	< 10	37	< 10	66
VR3377A	201	229	< 1	< 0.01	12	520	16	< 2	3	11	0.09	< 10	< 10	35	< 10	74
VR3378A	201	229	< 1	< 0.01	13	460	10	2	3	10	0.07	< 10	< 10	35	< 10	54
VR3379A	201	229	< 1	< 0.01	10	350	10	< 2	3	10	0.05	< 10	< 10	29	< 10	50
VR3380A	201	229	1	< 0.01	9	400	10	< 2	4	2	0.06	< 10	< 10	25	< 10	72

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Account :KAVA

CERTIFICATE OF ANALYSIS A9316168

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR3381A	201	229	< 5	0.2	2.16	6	530	0.5	< 2	0.16	0.5	12	40	29	3.06	10	< 1	0.04	50	0.52	380
VR3382A	201	229	< 5	< 0.2	1.57	4	270	0.5	2	0.13	< 0.5	7	25	12	2.63	< 10	1	0.09	10	0.43	305
VR3383A	201	229	< 5	< 0.2	1.42	4	200	0.5	< 2	0.12	< 0.5	5	14	12	2.95	< 10	< 1	0.34	< 10	0.69	365
VR3384A	201	229	< 5	< 0.2	1.36	8	160	0.5	< 2	0.07	0.5	6	22	12	3.81	10	< 1	0.16	< 10	0.64	360
VR3385A	201	229	< 5	< 0.2	1.46	8	140	< 0.5	6	0.09	0.5	6	22	17	3.49	10	< 1	0.09	< 10	0.62	265
VR3386A	201	229	< 5	< 0.2	1.95	6	120	0.5	2	0.12	0.5	8	30	19	3.57	< 10	< 1	0.13	< 10	0.82	355
VR3387A	201	229	< 5	0.2	1.08	6	690	< 0.5	< 2	0.07	0.5	2	10	20	1.62	10	< 1	0.12	30	0.30	165
VR3388A	201	229	< 5	< 0.2	1.56	4	380	< 0.5	< 2	0.10	< 0.5	4	19	14	2.38	< 10	< 1	0.08	20	0.53	255
VR3389A	201	229	< 5	< 0.2	1.75	4	160	0.5	< 2	0.05	< 0.5	7	34	20	3.12	10	< 1	0.36	20	0.97	375
VR3390A	201	229	< 5	< 0.2	2.38	8	240	0.5	4	0.11	< 0.5	7	33	17	3.16	< 10	< 1	0.07	10	0.48	275
VR3391A	201	229	< 5	< 0.2	2.35	4	280	< 0.5	< 2	0.10	0.5	11	36	18	3.40	10	< 1	0.07	< 10	0.51	390
VR3392A	201	229	< 5	< 0.2	1.92	4	150	< 0.5	< 2	0.13	< 0.5	4	22	9	2.43	10	< 1	0.19	10	1.29	275
VR3393A	201	229	< 5	< 0.2	1.89	8	240	0.5	2	0.11	< 0.5	5	29	9	3.05	< 10	< 1	0.05	10	0.39	275
VR3394A	201	229	< 5	< 0.2	2.24	10	200	0.5	4	0.11	< 0.5	9	30	22	3.50	10	< 1	0.17	10	0.86	365
VR3395A	201	229	< 5	0.4	2.62	10	340	0.5	2	0.15	< 0.5	9	40	28	3.20	< 10	< 1	0.04	10	0.47	310
VR3396A	201	229	< 5	< 0.2	2.20	8	280	0.5	< 2	0.08	< 0.5	7	30	16	3.26	< 10	< 1	0.06	10	0.43	195
VR3397A	201	229	< 5	< 0.2	2.17	6	270	0.5	< 2	0.11	0.5	11	39	17	3.73	< 10	< 1	0.05	10	0.72	275
VR3398A	201	229	< 5	< 0.2	1.00	4	210	< 0.5	< 2	0.08	< 0.5	3	12	9	1.90	< 10	< 1	0.07	10	0.41	145
VR3399A	201	229	< 5	< 0.2	1.68	6	210	0.5	< 2	0.07	< 0.5	8	25	14	3.52	< 10	< 1	0.09	< 10	0.51	345
VR3400A	201	229	< 5	< 0.2	2.11	8	280	0.5	4	0.11	< 0.5	8	30	15	2.96	< 10	< 1	0.11	10	0.66	255
VR3401A	201	229	< 5	< 0.2	1.42	4	270	0.5	2	0.09	< 0.5	4	18	12	2.77	< 10	< 1	0.08	10	0.34	205
VR3402A	201	229	< 5	< 0.2	2.34	4	340	0.5	2	0.10	< 0.5	8	32	14	3.10	< 10	< 1	0.05	< 10	0.46	230
VR3403A	201	229	< 5	< 0.2	2.20	6	260	0.5	< 2	0.09	< 0.5	8	31	15	3.65	< 10	< 1	0.10	< 10	0.91	380
VR3404A	201	229	< 5	0.2	1.33	2	260	< 0.5	< 2	0.15	0.5	4	19	15	2.95	< 10	< 1	0.25	< 10	0.65	315
VR3405A	201	229	< 5	0.2	2.25	4	310	0.5	< 2	0.10	< 0.5	6	29	17	3.21	10	< 1	0.08	20	0.53	215
VR3406A	201	229	< 5	0.2	2.64	18	300	0.5	< 2	0.11	0.5	11	34	19	3.99	< 10	1	0.07	10	0.44	265
VR3407A	201	229	< 5	< 0.2	2.09	10	210	0.5	< 2	0.12	< 0.5	7	32	15	3.35	10	< 1	0.10	< 10	0.59	260
VR3408A	201	229	< 5	< 0.2	1.68	4	280	< 0.5	< 2	0.10	< 0.5	5	26	13	2.50	< 10	< 1	0.04	30	0.47	180
VR3409A	201	229	< 5	0.2	1.88	6	310	0.5	< 2	0.06	0.5	6	26	10	3.22	< 10	< 1	0.05	< 10	0.33	290
VR3410A	201	229	< 5	0.4	2.16	6	470	0.5	< 2	0.08	< 0.5	8	38	19	3.24	< 10	< 1	0.03	10	0.48	295
VR3411A	201	229	< 5	< 0.2	2.07	8	330	0.5	< 2	0.08	< 0.5	7	30	16	3.01	< 10	< 1	0.06	< 10	0.48	235
VR3412A	201	229	< 5	< 0.2	2.55	12	360	0.5	< 2	0.09	< 0.5	10	34	25	3.18	< 10	< 1	0.08	10	0.54	235
VR3413A	201	229	< 5	0.2	2.23	4	350	0.5	2	0.07	< 0.5	7	28	12	2.89	< 10	< 1	0.06	< 10	0.39	285
VR3414A	201	229	< 5	< 0.2	1.64	4	410	0.5	< 2	0.11	< 0.5	6	27	16	2.55	10	< 1	0.04	40	0.40	205
VR3415A	201	229	< 5	< 0.2	1.83	2	170	0.5	4	0.09	< 0.5	6	30	10	3.37	< 10	< 1	0.04	< 10	0.43	165
VR3416A	201	229	< 5	< 0.2	1.13	6	110	< 0.5	< 2	0.05	< 0.5	4	17	8	2.13	< 10	< 1	0.09	10	0.34	165
VR3417A	201	229	< 5	< 0.2	1.58	10	160	0.5	< 2	0.08	< 0.5	6	26	12	3.03	< 10	< 1	0.06	10	0.35	170
VR3418A	201	229	< 5	< 0.2	1.36	8	170	0.5	< 2	0.06	< 0.5	4	16	9	1.67	< 10	< 1	0.09	30	0.50	120
VR3419A	201	229	< 5	< 0.2	1.23	4	150	0.5	< 2	0.09	< 0.5	6	24	7	2.79	< 10	< 1	0.05	10	0.33	300
VR3420A	201	229	< 5	< 0.2	1.46	6	250	0.5	< 2	0.07	< 0.5	9	23	12	3.01	< 10	1	0.05	< 10	0.47	335

CERTIFICATION: Ian H Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: KENNECOTT CANADA, INC.

354 - 200 GRANVILLE ST.
VANCOUVER, BC
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Project : KLONDIKE Au CAL/RADO
Comments:

Page Number : 2-B
Total Pages : 4
Certificate Date: 02-JUL-93
Invoice No. : 19316168
P.O. Number :
Account : KAVA

CERTIFICATE OF ANALYSIS A9316168

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR3381A	201	229	1	0.01	21	180	10	< 2	9	15	0.07	< 10	< 10	54	< 10	56
VR3382A	201	229	1	< 0.01	12	550	12	2	3	11	0.06	< 10	< 10	43	< 10	50
VR3383A	201	229	1	< 0.01	8	570	10	< 2	3	9	0.08	< 10	< 10	40	< 10	72
VR3384A	201	229	2	< 0.01	14	780	10	< 2	4	6	0.08	< 10	< 10	63	10	72
VR3385A	201	229	1	< 0.01	12	410	10	< 2	4	9	0.08	< 10	< 10	56	< 10	58
VR3386A	201	229	< 1	< 0.01	15	350	22	< 2	5	11	0.08	< 10	< 10	44	< 10	106
VR3387A	201	229	1	< 0.01	5	130	32	< 2	3	8	0.01	< 10	< 10	14	< 10	108
VR3388A	201	229	1	< 0.01	11	160	30	< 2	3	9	0.06	< 10	< 10	35	< 10	72
VR3389A	201	229	< 1	< 0.01	18	190	12	< 2	6	4	0.07	< 10	< 10	38	10	80
VR3390A	201	229	< 1	< 0.01	17	320	12	< 2	4	9	0.06	< 10	< 10	59	< 10	58
VR3391A	201	229	1	< 0.01	16	430	16	< 2	4	9	0.07	< 10	< 10	63	< 10	74
VR3392A	201	229	< 1	< 0.01	12	160	8	< 2	3	10	0.15	< 10	< 10	40	10	54
VR3393A	201	229	1	0.01	12	420	14	< 2	3	11	0.07	< 10	< 10	60	< 10	58
VR3394A	201	229	< 1	< 0.01	20	220	22	< 2	7	10	0.08	< 10	< 10	50	< 10	80
VR3395A	201	229	2	0.01	22	290	10	4	6	14	0.07	< 10	< 10	59	10	46
VR3396A	201	229	1	< 0.01	17	250	16	2	4	8	0.05	< 10	< 10	57	< 10	52
VR3397A	201	229	1	< 0.01	16	330	16	2	7	10	0.07	< 10	< 10	62	< 10	54
VR3398A	201	229	1	< 0.01	6	390	14	< 2	3	7	0.03	< 10	< 10	29	< 10	38
VR3399A	201	229	< 1	< 0.01	13	670	10	< 2	6	6	0.03	< 10	< 10	52	< 10	68
VR3400A	201	229	< 1	< 0.01	18	170	12	2	4	12	0.06	< 10	< 10	47	< 10	62
VR3401A	201	229	< 1	< 0.01	10	240	10	2	3	11	0.03	< 10	< 10	41	< 10	44
VR3402A	201	229	< 1	< 0.01	16	290	10	< 2	3	9	0.05	< 10	< 10	56	< 10	58
VR3403A	201	229	1	< 0.01	15	390	12	< 2	3	8	0.07	< 10	< 10	58	10	70
VR3404A	201	229	1	< 0.01	10	490	12	2	3	13	0.07	< 10	< 10	42	< 10	58
VR3405A	201	229	< 1	< 0.01	14	330	22	< 2	4	10	0.04	< 10	< 10	48	< 10	62
VR3406A	201	229	< 1	< 0.01	19	280	12	< 2	5	12	0.03	< 10	< 10	57	< 10	64
VR3407A	201	229	< 1	< 0.01	16	360	10	< 2	5	11	0.06	< 10	< 10	61	< 10	58
VR3408A	201	229	< 1	< 0.01	12	170	12	< 2	4	11	0.06	< 10	< 10	47	< 10	46
VR3409A	201	229	1	< 0.01	12	420	16	< 2	2	6	0.05	< 10	< 10	61	< 10	62
VR3410A	201	229	1	0.01	14	160	20	< 2	6	9	0.08	< 10	< 10	66	< 10	52
VR3411A	201	229	< 1	< 0.01	20	230	10	< 2	3	8	0.06	< 10	< 10	55	< 10	58
VR3412A	201	229	1	< 0.01	26	250	14	4	4	9	0.06	< 10	< 10	59	< 10	64
VR3413A	201	229	1	< 0.01	13	300	20	< 2	3	6	0.04	< 10	< 10	55	< 10	54
VR3414A	201	229	1	< 0.01	12	260	22	< 2	4	10	0.05	< 10	< 10	47	< 10	42
VR3415A	201	229	1	< 0.01	14	200	10	< 2	2	8	0.06	< 10	< 10	54	10	42
VR3416A	201	229	< 1	< 0.01	9	210	18	< 2	2	8	0.02	< 10	< 10	31	< 10	38
VR3417A	201	229	1	< 0.01	12	220	18	2	2	9	0.04	< 10	< 10	45	< 10	44
VR3418A	201	229	1	< 0.01	9	130	16	2	2	14	0.03	< 10	< 10	23	< 10	38
VR3419A	201	229	1	< 0.01	8	310	12	< 2	2	8	0.06	< 10	< 10	50	< 10	36
VR3420A	201	229	< 1	< 0.01	14	300	26	< 2	3	6	0.04	< 10	< 10	41	< 10	48

CERTIFICATION: Stuart Bichler

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Analytical Chemists * Geochemists * Registered Assayers

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To: KENNECOTT CANADA, INC.

354 - 200 GRANVILLE ST.
VANCOUVER, BC
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CERTIFICATE OF ANALYSIS A9316168

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR3421A	201	229	< 5	0.2	1.32	< 2	150	< 0.5	< 2	0.04	< 0.5	5	12	9	2.24	< 10	< 1	0.18	10	1.07	265
VR3422A	201	229	< 5	0.2	1.72	4	260	< 0.5	< 2	0.06	< 0.5	6	21	7	2.81	< 10	< 1	0.06	< 10	0.63	260
VR3423A	201	229	< 5	0.2	2.14	14	300	< 0.5	< 2	0.08	< 0.5	9	30	13	2.99	< 10	< 1	0.06	10	0.45	315
VR3424A	201	229	< 5	0.6	2.14	4	310	< 0.5	< 2	0.10	< 0.5	7	30	11	3.10	< 10	< 1	0.03	10	0.39	230
VR3425A	201	229	< 5	0.4	1.47	4	250	< 0.5	< 2	0.11	< 0.5	4	23	7	2.47	< 10	< 1	0.03	10	0.28	165
VR3426A	201	229	< 5	0.4	2.29	10	380	< 0.5	2	0.09	< 0.5	9	35	16	3.11	< 10	< 1	0.04	10	0.48	260
VR3427A	201	229	< 5	0.2	1.71	4	330	< 0.5	< 2	0.09	< 0.5	6	28	11	3.17	< 10	< 1	0.03	10	0.41	190
VR3428A	201	229	< 5	0.2	1.20	< 2	240	< 0.5	< 2	0.03	< 0.5	3	9	29	1.67	< 10	< 1	0.05	< 10	0.42	185
VR3429A	201	229	< 5	0.2	0.73	2	330	< 0.5	< 2	0.04	< 0.5	2	5	23	1.60	10	< 1	0.07	20	0.09	120
VR3430A	201	229	< 5	0.2	1.59	2	400	< 0.5	< 2	0.04	< 0.5	5	20	18	2.51	< 10	< 1	0.07	10	0.36	195
VR3431A	201	229	< 5	0.2	0.88	6	270	< 0.5	< 2	0.06	< 0.5	2	13	21	1.67	< 10	< 1	0.06	< 10	0.17	75
VR3432A	201	229	< 5	0.4	0.81	6	300	< 0.5	< 2	0.06	< 0.5	3	13	9	1.62	< 10	< 1	0.05	10	0.24	85
VR3433A	201	229	< 5	0.4	2.00	16	590	< 0.5	< 2	0.10	< 0.5	8	28	18	2.70	< 10	< 1	0.03	20	0.41	165
VR3434A	201	229	< 5	0.4	1.06	8	440	< 0.5	< 2	0.11	< 0.5	4	18	13	2.29	< 10	< 1	0.04	10	0.31	115
VR3435A	201	229	< 5	0.2	1.09	12	400	< 0.5	< 2	0.20	< 0.5	6	20	16	1.95	< 10	< 1	0.07	20	0.54	235
VR3436A	201	229	< 5	0.2	1.05	6	380	< 0.5	< 2	0.26	< 0.5	7	28	17	2.50	10	< 1	0.27	60	0.79	730
VR3437A	201	229	< 5	< 0.2	0.52	4	270	< 0.5	< 2	0.04	< 0.5	2	5	3	1.00	< 10	< 1	0.07	< 10	0.15	75
VR3438A	201	229	< 5	0.4	0.54	4	390	< 0.5	< 2	0.06	< 0.5	2	7	24	2.05	< 10	< 1	0.10	< 10	0.13	160
VR3439A	201	229	< 5	0.4	1.05	2	240	< 0.5	< 2	0.07	< 0.5	4	14	14	1.99	< 10	< 1	0.14	10	0.39	355
VR3440A	201	229	< 5	0.2	0.59	< 2	150	< 0.5	< 2	0.01	< 0.5	3	4	6	0.97	< 10	< 1	0.14	< 10	0.12	260
VR3441A	201	229	< 5	< 0.2	0.69	2	490	< 0.5	< 2	0.09	< 0.5	3	7	4	0.86	< 10	< 1	0.09	20	0.16	125
VR3442A	201	229	< 5	0.2	1.87	12	330	< 0.5	< 2	0.09	< 0.5	7	24	9	2.96	< 10	< 1	0.05	10	0.42	280
VR3443A	201	229	< 5	0.4	1.61	12	210	< 0.5	< 2	0.07	< 0.5	8	19	9	2.86	< 10	< 1	0.06	10	0.31	470
VR3444A	201	229	< 5	0.4	1.23	6	390	< 0.5	< 2	0.16	< 0.5	6	13	35	1.90	< 10	< 1	0.12	30	0.38	610
VR3445A	201	229	< 5	0.2	2.05	20	190	< 0.5	< 2	0.11	< 0.5	8	33	12	3.32	< 10	< 1	0.05	10	0.46	335
VR3446A	201	229	< 5	0.2	1.67	12	170	< 0.5	< 2	0.04	< 0.5	6	22	16	2.57	< 10	< 1	0.06	< 10	0.33	195
VR3447A	201	229	< 5	0.4	1.87	14	200	< 0.5	< 2	0.06	< 0.5	6	22	9	3.21	< 10	< 1	0.03	< 10	0.34	265
VR3449A	201	229	< 5	0.2	1.17	12	210	< 0.5	< 2	0.08	< 0.5	5	17	9	2.85	< 10	< 1	0.05	< 10	0.36	235
VR3450A	201	229	< 5	< 0.2	1.98	14	360	< 0.5	< 2	0.07	< 0.5	8	31	16	3.10	< 10	< 1	0.06	< 10	0.44	260
VR3451A	201	229	< 5	0.2	1.40	12	500	< 0.5	< 2	0.06	< 0.5	7	18	16	2.49	< 10	< 1	0.11	10	0.24	420
VR3452A	201	229	< 5	< 0.2	0.85	8	450	< 0.5	< 2	0.06	< 0.5	2	9	4	1.85	< 10	< 1	0.08	10	0.20	155
VR3453A	201	229	< 5	0.2	1.77	12	390	< 0.5	< 2	0.08	< 0.5	6	26	8	2.97	< 10	< 1	0.06	10	0.34	270
VR3454A	201	229	< 5	< 0.2	1.84	12	490	< 0.5	< 2	0.08	< 0.5	9	29	9	2.80	< 10	< 1	0.05	10	0.37	355
VR3455A	201	229	< 5	< 0.2	0.86	8	210	< 0.5	< 2	0.05	< 0.5	3	9	6	1.61	< 10	< 1	0.10	10	0.31	195
VR3456A	201	229	< 5	< 0.2	1.37	6	230	< 0.5	< 2	0.02	< 0.5	2	13	6	2.13	< 10	< 1	0.08	< 10	0.21	130
VR3457A	201	229	< 5	< 0.2	1.38	4	270	< 0.5	< 2	0.06	< 0.5	4	17	5	2.07	< 10	< 1	0.04	10	0.23	155
VR3458A	201	229	< 5	< 0.2	1.63	2	260	< 0.5	< 2	0.07	< 0.5	5	19	7	2.44	< 10	< 1	0.06	10	0.37	250
VR3459A	201	229	< 5	< 0.2	2.90	22	220	< 0.5	< 2	0.08	< 0.5	8	43	23	3.91	< 10	< 1	0.04	20	0.42	205
VR3460A	201	229	< 5	< 0.2	1.74	14	410	< 0.5	< 2	0.06	< 0.5	5	16	10	2.42	< 10	< 1	0.09	10	0.26	160
VR3461A	201	229	< 5	0.2	1.12	4	460	< 0.5	< 2	0.07	< 0.5	3	12	6	2.05	< 10	< 1	0.07	< 10	0.30	250

CERTIFICATION: Ian Bucklar

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V6C 1S4

Project : KLONDIKE Au CAL/RADO
Comments:

Certificate Date: 02-JUL-93
Invoice No. : 19316168
P.O. Number :
Account : KAVA

CERTIFICATE OF ANALYSIS A9316168

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR3421A	201	229	1	< 0.01	11	240	12	< 2	3	5	0.04	< 10	< 10	15	< 10	66
VR3422A	201	229	< 1	< 0.01	11	230	16	< 2	2	6	0.05	< 10	< 10	43	< 10	104
VR3423A	201	229	1	< 0.01	19	260	18	< 2	3	8	0.06	< 10	< 10	52	< 10	66
VR3424A	201	229	1	0.01	15	260	26	< 2	3	9	0.07	< 10	< 10	62	< 10	48
VR3425A	201	229	< 1	< 0.01	9	180	20	< 2	2	9	0.06	< 10	< 10	54	< 10	40
VR3426A	201	229	< 1	< 0.01	18	240	30	< 2	3	8	0.06	< 10	< 10	56	< 10	62
VR3427A	201	229	1	< 0.01	13	240	20	< 2	2	8	0.05	< 10	< 10	54	< 10	42
VR3428A	201	229	< 1	< 0.01	7	150	32	2	1	4	0.01	< 10	< 10	12	< 10	84
VR3429A	201	229	< 1	< 0.01	6	330	58	< 2	1	4	0.01	< 10	< 10	18	< 10	88
VR3430A	201	229	< 1	< 0.01	13	320	54	< 2	2	7	0.03	< 10	< 10	31	< 10	72
VR3431A	201	229	< 1	< 0.01	7	280	86	< 2	1	7	0.02	< 10	< 10	23	< 10	58
VR3432A	201	229	1	< 0.01	7	120	30	< 2	1	8	0.02	< 10	< 10	21	< 10	30
VR3433A	201	229	< 1	< 0.01	17	170	24	< 2	3	10	0.04	< 10	< 10	42	< 10	54
VR3434A	201	229	1	< 0.01	12	180	32	< 2	2	17	0.03	< 10	< 10	28	< 10	52
VR3435A	201	229	< 1	< 0.01	15	280	14	< 2	3	16	0.04	< 10	< 10	29	< 10	50
VR3436A	201	229	< 1	< 0.01	7	570	48	< 2	8	12	0.03	20	< 10	21	< 10	150
VR3437A	201	229	< 1	< 0.01	3	180	6	< 2	1	5	0.03	< 10	< 10	21	< 10	20
VR3438A	201	229	< 1	< 0.01	4	340	52	< 2	3	7	0.02	< 10	< 10	25	< 10	148
VR3439A	201	229	< 1	< 0.01	7	550	22	< 2	2	6	0.03	< 10	< 10	23	< 10	92
VR3440A	201	229	< 1	< 0.01	2	260	26	< 2	< 1	2	0.01	< 10	< 10	13	< 10	64
VR3441A	201	229	< 1	< 0.01	4	180	40	< 2	1	6	0.01	10	< 10	10	< 10	32
VR3442A	201	229	< 1	< 0.01	16	380	22	2	2	7	0.04	< 10	< 10	42	< 10	50
VR3443A	201	229	< 1	< 0.01	9	480	22	< 2	2	6	0.04	< 10	< 10	53	< 10	48
VR3444A	201	229	< 1	< 0.01	9	330	16	< 2	3	11	0.03	10	< 10	25	< 10	46
VR3445A	201	229	1	< 0.01	16	350	18	2	4	10	0.08	< 10	< 10	64	< 10	52
VR3446A	201	229	< 1	< 0.01	13	200	18	< 2	2	4	0.03	< 10	< 10	32	< 10	42
VR3447A	201	229	< 1	< 0.01	14	300	18	< 2	2	4	0.03	< 10	< 10	42	< 10	52
VR3449A	201	229	< 1	< 0.01	11	460	16	< 2	2	6	0.03	< 10	< 10	40	< 10	54
VR3450A	201	229	< 1	< 0.01	18	350	20	< 2	3	6	0.04	< 10	< 10	48	< 10	66
VR3451A	201	229	< 1	< 0.01	8	310	16	< 2	2	5	0.02	< 10	< 10	40	< 10	68
VR3452A	201	229	< 1	< 0.01	4	240	12	< 2	1	6	0.03	< 10	< 10	35	< 10	38
VR3453A	201	229	< 1	< 0.01	13	390	18	< 2	2	8	0.04	< 10	< 10	52	< 10	46
VR3454A	201	229	1	< 0.01	11	210	16	2	3	8	0.05	< 10	< 10	52	< 10	40
VR3455A	201	229	< 1	< 0.01	5	140	14	< 2	3	4	0.03	< 10	< 10	23	< 10	38
VR3456A	201	229	< 1	< 0.01	6	200	20	< 2	2	3	0.01	< 10	< 10	27	< 10	50
VR3457A	201	229	< 1	< 0.01	7	100	16	< 2	1	6	0.03	< 10	< 10	37	< 10	28
VR3458A	201	229	< 1	< 0.01	6	190	22	< 2	2	7	0.06	< 10	< 10	40	< 10	74
VR3459A	201	229	< 1	0.01	19	570	14	2	5	8	0.07	< 10	< 10	58	< 10	54
VR3460A	201	229	< 1	< 0.01	11	260	18	< 2	2	6	0.03	< 10	< 10	37	< 10	40
VR3461A	201	229	< 1	< 0.01	7	220	14	< 2	2	7	0.04	< 10	< 10	37	< 10	48

CERTIFICATION: Stuart Bichler

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 : KLONDIKE Au CAL/RADO
Comments:

Certificate Date: 02-JUL-93
Invoice No. :19316168
P.O. Number :
Account :KAVA

CERTIFICATE OF ANALYSIS A9316168

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR3462A	201	229	< 5	0.2	1.20	8	280	< 0.5	< 2	0.03	< 0.5	3	12	6	2.28	< 10	< 1	0.04	10	0.17	175
VR3463A	201	229	< 5	< 0.2	1.15	8	240	< 0.5	< 2	0.04	< 0.5	2	14	4	2.25	< 10	< 1	0.04	10	0.20	130
VR3464A	201	229	< 5	< 0.2	1.48	8	300	< 0.5	< 2	0.05	< 0.5	4	19	10	2.38	< 10	< 1	0.06	10	0.29	150
VR3465A	201	229	< 5	0.2	1.15	16	230	< 0.5	< 2	0.04	< 0.5	3	10	5	2.00	< 10	< 1	0.06	10	0.18	150
VR3466A	201	229	< 5	< 0.2	0.96	4	520	< 0.5	< 2	0.04	< 0.5	4	12	7	2.61	< 10	< 1	0.09	< 10	0.20	420
VR3467A	201	229	< 5	< 0.2	0.42	4	190	< 0.5	< 2	0.04	< 0.5	2	4	2	1.33	< 10	< 1	0.09	< 10	0.09	160
VR3468A	201	229	< 5	0.4	2.29	14	330	< 0.5	< 2	0.09	< 0.5	11	38	21	3.15	< 10	< 1	0.05	10	0.48	255
VR3469A	201	229	< 5	0.2	1.68	6	360	< 0.5	< 2	0.12	< 0.5	7	30	13	2.61	< 10	< 1	0.03	10	0.44	195
VR3470A	201	229	< 5	0.2	1.32	6	250	< 0.5	< 2	0.07	< 0.5	6	25	8	2.93	< 10	< 1	0.06	10	0.39	165
VR3471A	201	229	< 5	0.2	1.70	14	230	< 0.5	< 2	0.07	< 0.5	6	26	9	2.96	< 10	< 1	0.03	10	0.35	175
VR3472A	201	229	< 5	0.2	1.69	4	390	< 0.5	< 2	0.08	< 0.5	6	27	7	2.93	< 10	< 1	0.03	20	0.30	230
VR3473A	201	229	< 5	0.2	0.78	30	110	< 0.5	< 2	0.02	< 0.5	1	3	6	2.06	< 10	< 1	0.17	< 10	0.27	85
VR3474A	201	229	< 5	0.2	1.37	4	180	< 0.5	< 2	0.09	< 0.5	5	17	5	2.46	< 10	< 1	0.07	10	0.32	155
VR3475A	201	229	< 5	0.2	2.62	16	160	< 0.5	< 2	0.07	< 0.5	7	39	18	3.08	< 10	< 1	0.05	10	0.42	170
VR3476A	201	229	< 5	0.2	0.71	36	310	< 0.5	< 2	0.01	< 0.5	1	2	28	2.08	10	< 1	0.17	100	0.02	15
VR3477A	201	229	< 5	0.2	1.81	16	260	< 0.5	< 2	0.07	< 0.5	7	29	12	3.32	< 10	< 1	0.07	10	0.38	180
VR3480A	201	229	< 5	0.2	2.12	8	590	< 0.5	< 2	0.08	< 0.5	6	22	8	2.52	< 10	< 1	0.05	10	0.31	215
VR3481A	201	229	< 5	0.2	1.88	38	410	< 0.5	< 2	0.03	< 0.5	7	17	35	5.07	< 10	< 1	0.59	10	0.67	380
VR3482A	201	229	< 5	0.2	0.93	26	310	< 0.5	< 2	0.03	< 0.5	2	6	8	1.90	< 10	< 1	0.12	30	0.08	120
VR3483A	201	229	< 5	0.2	1.39	8	260	< 0.5	< 2	0.12	< 0.5	5	22	8	2.11	< 10	< 1	0.07	10	0.36	175
VR3484A	201	229	< 5	0.4	1.41	26	320	< 0.5	< 2	0.16	< 0.5	6	22	10	2.58	< 10	< 1	0.07	10	0.40	210
VR3485A	201	229	< 5	0.4	1.39	20	180	< 0.5	< 2	0.08	< 0.5	4	21	9	2.45	< 10	< 1	0.04	10	0.31	145
VR3486A	201	229	< 5	0.4	0.95	14	150	< 0.5	< 2	0.04	< 0.5	2	7	19	2.09	< 10	< 1	0.09	10	0.11	70
VR3487A	201	229	< 5	0.6	1.53	12	210	< 0.5	< 2	0.07	< 0.5	4	20	11	2.42	< 10	< 1	0.06	10	0.31	115
VR3488A	201	229	< 5	0.2	1.66	8	220	< 0.5	< 2	0.07	< 0.5	4	20	13	2.48	< 10	< 1	0.06	10	0.33	125
VR3489A	201	229	< 5	0.2	1.09	4	260	< 0.5	< 2	0.08	< 0.5	4	15	11	1.86	< 10	< 1	0.08	10	0.25	135
VR3490A	201	229	< 5	0.2	1.47	14	310	< 0.5	< 2	0.17	< 0.5	8	25	13	2.43	< 10	< 1	0.06	10	0.48	285
VR3491A	201	229	< 5	0.2	1.49	14	310	< 0.5	< 2	0.14	< 0.5	7	25	14	2.52	< 10	< 1	0.04	10	0.49	180
VR3492A	201	229	< 5	0.2	1.46	12	340	< 0.5	< 2	0.17	< 0.5	7	27	15	2.44	< 10	< 1	0.06	40	0.53	195
VR3493A	201	229	< 5	0.2	1.29	12	320	< 0.5	< 2	0.33	< 0.5	8	26	23	2.48	< 10	< 1	0.05	20	0.52	255
VR3494A	201	229	< 5	0.2	1.32	2	440	< 0.5	< 2	0.14	< 0.5	6	20	11	2.01	< 10	< 1	0.10	20	0.41	150
VR3495A	201	229	< 5	0.4	2.35	2	660	< 0.5	< 2	0.30	< 0.5	13	198	12	3.44	< 10	< 1	0.10	10	1.38	470
VR3496A	201	229	< 5	0.2	2.68	16	410	< 0.5	< 2	0.48	< 0.5	15	302	24	3.55	< 10	< 1	0.33	10	2.50	720
VR3497A	201	229	< 5	0.2	1.31	10	210	< 0.5	< 2	0.09	< 0.5	5	40	7	2.47	< 10	< 1	0.07	< 10	0.50	180
VR3498A	201	229	< 5	0.4	2.11	< 2	560	< 0.5	< 2	0.46	< 0.5	11	122	33	3.11	< 10	< 1	0.07	40	1.04	335
VR3499A	201	229	< 5	0.2	1.28	4	180	< 0.5	< 2	0.14	< 0.5	5	24	14	2.04	< 10	< 1	0.05	10	0.42	125
VR3500A	201	229	< 5	0.4	1.32	10	230	< 0.5	< 2	0.17	< 0.5	6	24	25	2.38	< 10	< 1	0.06	20	0.44	175

CERTIFICATION: Ian Bidlan

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To: KENNECOTT CANADA, INC.

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

Project : KLONDIKE Au CAL/RADO
Comments:

Certificate Date: 02-JUL-93
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CERTIFICATE OF ANALYSIS A9316168

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR3462A	201	229	< 1	< 0.01	6	210	28	< 2	1	4	0.03	< 10	< 10	43	< 10	50
VR3463A	201	229	< 1	< 0.01	6	210	26	< 2	1	6	0.02	< 10	< 10	42	< 10	42
VR3464A	201	229	< 1	< 0.01	13	260	20	< 2	2	6	0.03	< 10	< 10	43	< 10	48
VR3465A	201	229	< 1	< 0.01	6	250	16	< 2	2	5	0.03	< 10	< 10	31	< 10	40
VR3466A	201	229	< 1	< 0.01	5	290	16	< 2	2	5	0.03	< 10	< 10	36	< 10	52
VR3467A	201	229	< 1	< 0.01	3	190	8	< 2	1	4	0.01	< 10	< 10	16	< 10	46
VR3468A	201	229	< 1	< 0.01	23	310	30	< 2	3	8	0.04	< 10	< 10	48	< 10	62
VR3469A	201	229	< 1	< 0.01	16	130	12	< 2	2	12	0.04	< 10	< 10	40	< 10	48
VR3470A	201	229	< 1	< 0.01	8	200	16	< 2	2	10	0.04	< 10	< 10	40	< 10	42
VR3471A	201	229	1	< 0.01	13	190	16	< 2	2	7	0.04	< 10	< 10	48	< 10	42
VR3472A	201	229	1	< 0.01	10	210	60	2	3	9	0.04	< 10	< 10	52	< 10	40
VR3473A	201	229	1	< 0.01	2	90	26	< 2	1	2	0.02	< 10	< 10	13	< 10	96
VR3474A	201	229	< 1	< 0.01	11	270	16	< 2	2	8	0.03	< 10	< 10	32	< 10	46
VR3475A	201	229	< 1	< 0.01	17	410	18	< 2	3	8	0.04	< 10	< 10	45	< 10	58
VR3476A	201	229	1	0.02	1	370	108	< 2	< 1	71	< 0.01	10	< 10	4	< 10	50
VR3477A	201	229	< 1	< 0.01	15	300	16	< 2	2	8	0.04	< 10	< 10	49	< 10	48
VR3480A	201	229	< 1	< 0.01	11	210	28	< 2	2	8	0.03	< 10	< 10	45	< 10	48
VR3481A	201	229	2	< 0.01	4	440	64	2	7	6	0.11	< 10	< 10	39	< 10	192
VR3482A	201	229	1	< 0.01	3	240	20	< 2	1	10	< 0.01	< 10	< 10	16	< 10	46
VR3483A	201	229	< 1	< 0.01	10	120	12	< 2	2	13	0.04	< 10	< 10	34	< 10	40
VR3484A	201	229	< 1	0.01	13	190	8	< 2	2	15	0.04	< 10	< 10	44	< 10	48
VR3485A	201	229	< 1	< 0.01	11	140	36	< 2	2	8	0.03	< 10	< 10	43	< 10	54
VR3486A	201	229	1	< 0.01	3	170	34	< 2	1	6	0.01	< 10	< 10	23	< 10	136
VR3487A	201	229	1	< 0.01	9	130	42	< 2	2	8	0.04	< 10	< 10	37	< 10	52
VR3488A	201	229	< 1	< 0.01	9	120	54	< 2	2	8	0.04	< 10	< 10	37	< 10	106
VR3489A	201	229	< 1	< 0.01	8	150	32	< 2	1	12	0.03	< 10	< 10	27	< 10	56
VR3490A	201	229	< 1	0.01	15	190	14	< 2	2	18	0.06	< 10	< 10	45	< 10	70
VR3491A	201	229	< 1	< 0.01	16	170	12	< 2	2	15	0.05	< 10	< 10	46	< 10	54
VR3492A	201	229	1	0.01	17	130	14	< 2	3	18	0.07	10	< 10	48	< 10	58
VR3493A	201	229	< 1	0.01	18	620	8	< 2	4	24	0.06	< 10	< 10	45	< 10	56
VR3494A	201	229	< 1	0.01	12	220	22	< 2	2	13	0.06	< 10	< 10	33	< 10	56
VR3495A	201	229	< 1	< 0.01	18	170	14	< 2	7	20	0.07	< 10	< 10	65	< 10	92
VR3496A	201	229	< 1	< 0.01	16	400	14	< 2	5	29	0.08	< 10	< 10	63	< 10	196
VR3497A	201	229	< 1	< 0.01	9	140	8	< 2	2	8	0.06	< 10	< 10	46	< 10	44
VR3498A	201	229	< 1	0.01	17	180	28	< 2	9	27	0.06	10	< 10	50	< 10	102
VR3499A	201	229	< 1	< 0.01	12	160	28	< 2	2	11	0.04	< 10	< 10	34	< 10	60
VR3500A	201	229	< 1	< 0.01	16	270	40	< 2	3	14	0.04	< 10	< 10	35	< 10	76

CERTIFICATION:

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 :
Comments: ATTN: ANN DOYLE

Page No. :1-A
Total Pages :1
Certificate Date: 08-JUL-93
Invoice No. :19316460
P.O. Number :
Account :KAVA

CERTIFICATE OF ANALYSIS A9316460

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
VR 5401A	201	229	< 5	< 0.2	2.09	2	500	< 0.5	2	0.09	< 0.5	4	19	11	2.02	< 10	< 1	0.06	10	0.26	240
VR 5402A	201	229	< 5	< 0.2	1.91	< 2	220	< 0.5	2	0.13	0.5	5	30	12	2.95	10	< 1	0.09	10	0.41	330
VR 5403A	201	229	< 5	< 0.2	1.85	8	390	< 0.5	< 2	0.10	< 0.5	8	26	15	2.71	< 10	< 1	0.12	20	0.53	220
VR 5404A	201	229	< 5	< 0.2	2.94	16	310	< 0.5	< 2	0.13	< 0.5	8	42	20	3.32	< 10	< 1	0.06	10	0.57	260
VR 5405A	201	229	< 5	< 0.2	0.91	2	140	< 0.5	< 2	0.04	< 0.5	2	5	5	1.20	< 10	< 1	0.16	20	0.27	75
VR 5406A	201	229	< 5	< 0.2	1.26	< 2	120	< 0.5	< 2	0.02	< 0.5	1	26	3	1.95	< 10	< 1	0.18	20	0.70	115
VR 5407A	201	229	< 5	< 0.2	3.06	2	320	< 0.5	< 2	0.13	0.5	10	53	19	3.94	10	< 1	0.27	10	1.23	715
VR 5408A	201	229	< 5	0.6	2.28	8	330	< 0.5	< 2	0.09	< 0.5	8	28	17	2.56	< 10	< 1	0.14	10	0.38	700
VR 5409A	201	229	< 5	< 0.2	1.20	6	400	< 0.5	< 2	0.02	< 0.5	3	8	30	2.64	10	< 1	0.25	60	0.37	185
VR 5410A	201	229	< 5	< 0.2	1.95	16	250	< 0.5	< 2	0.06	< 0.5	9	23	22	2.97	10	< 1	0.10	< 10	0.83	800
VR 5411A	201	229	< 5	< 0.2	2.13	< 2	240	< 0.5	< 2	0.11	< 0.5	6	33	13	2.88	< 10	< 1	0.06	10	0.47	220
VR 5412A	201	229	< 5	< 0.2	2.30	12	200	< 0.5	< 2	0.12	< 0.5	6	35	16	3.67	10	< 1	0.07	10	0.45	260
VR 5413A	201	229	< 5	< 0.2	2.37	< 2	370	0.5	< 2	0.11	< 0.5	6	32	13	2.70	10	< 1	0.04	20	0.44	215
VR 5414A	201	229	< 5	< 0.2	2.03	8	210	< 0.5	< 2	0.04	< 0.5	2	10	4	1.85	< 10	< 1	0.10	< 10	0.31	160
VR 5415A	201	229	< 5	< 0.2	2.16	6	200	< 0.5	< 2	0.04	< 0.5	10	28	9	4.45	10	< 1	0.31	< 10	0.77	355
VR 5416A	201	229	< 5	0.2	2.64	14	330	0.5	< 2	0.13	< 0.5	9	35	17	3.31	10	< 1	0.10	10	0.50	330
VR 5417A	201	229	< 5	< 0.2	2.33	14	270	< 0.5	< 2	0.07	< 0.5	5	20	13	2.29	< 10	< 1	0.16	10	0.37	175
VR 5418A	201	229	< 5	< 0.2	1.31	14	180	< 0.5	< 2	0.05	< 0.5	2	12	8	1.82	< 10	< 1	0.12	< 10	0.20	155
VR 5419A	201	229	< 5	0.2	3.06	18	350	1.0	< 2	0.13	< 0.5	8	44	36	3.14	10	< 1	0.09	20	0.56	330
VR 5420A	201	229	< 5	0.4	2.33	22	260	0.5	< 2	0.11	< 0.5	7	26	16	2.92	10	< 1	0.12	10	0.44	215
VR 5421A	201	229	< 5	< 0.2	2.22	6	260	0.5	< 2	0.13	< 0.5	4	32	12	2.91	10	< 1	0.09	10	0.40	240
VR 5422A	201	229	< 5	0.2	3.08	12	380	0.5	< 2	0.13	< 0.5	7	40	21	3.26	10	< 1	0.10	10	0.51	230
VR 5423A	201	229	< 5	< 0.2	0.86	8	140	< 0.5	< 2	0.03	< 0.5	1	9	13	1.10	< 10	< 1	0.11	10	0.12	50
VR 5424A	201	229	< 5	0.2	1.80	2	250	< 0.5	< 2	0.04	< 0.5	3	21	29	2.69	< 10	< 1	0.21	< 10	0.33	205
VR 5425A	201	229	< 5	< 0.2	1.71	8	310	< 0.5	< 2	0.12	< 0.5	6	33	11	2.66	10	< 1	0.12	20	0.51	225
VR 5426A	201	229	< 5	< 0.2	1.85	12	220	< 0.5	< 2	0.16	< 0.5	6	30	10	2.82	10	< 1	0.15	20	0.64	235
VR 5427A	201	229	< 5	< 0.2	2.01	6	280	0.5	< 2	0.12	< 0.5	7	29	15	2.56	10	< 1	0.10	30	0.48	220
VR 5428A	201	229	< 5	< 0.2	1.73	2	190	0.5	< 2	0.04	< 0.5	7	15	10	3.53	10	< 1	0.27	< 10	0.57	345
VR 5429A	201	229	< 5	< 0.2	2.06	14	390	< 0.5	< 2	0.14	< 0.5	5	29	14	2.72	10	< 1	0.10	10	0.41	200
VR 5430A	201	229	< 5	< 0.2	1.39	4	240	0.5	< 2	0.07	< 0.5	3	17	19	2.31	10	< 1	0.12	20	0.26	200
VR 5431A	201	229	< 5	< 0.2	1.31	16	170	< 0.5	< 2	0.04	< 0.5	3	42	14	3.08	< 10	< 1	0.11	< 10	0.33	165
VR 5432A	201	229	< 5	< 0.2	1.50	2	240	< 0.5	2	0.06	< 0.5	3	13	9	2.74	< 10	< 1	0.10	10	0.23	110
VR 5433A	201	229	< 5	< 0.2	2.20	28	320	0.5	< 2	0.13	< 0.5	6	27	12	2.93	10	< 1	0.11	20	0.46	170
VR 5434A	201	229	< 5	< 0.2	2.33	22	240	0.5	< 2	0.13	< 0.5	7	30	13	2.90	10	< 1	0.09	20	0.44	185

CERTIFICATION: Stuart Bichler

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 :
Comments: ATTN: ANN DOYLE

Certificate Date: 08-JUL-93
Invoice No. :19316460
P.O. Number :
Account :KAVA

CERTIFICATE OF ANALYSIS A9316460

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
VR 5401A	201	229	1	< 0.01	6	220	10	2	3	8	0.05	< 10	< 10	41	< 10	36
VR 5402A	201	229	< 1	< 0.01	11	500	8	2	3	11	0.07	< 10	< 10	71	< 10	60
VR 5403A	201	229	< 1	< 0.01	13	250	14	< 2	4	13	0.05	< 10	< 10	43	< 10	58
VR 5404A	201	229	< 1	< 0.01	20	170	2	< 2	4	15	0.09	< 10	< 10	68	< 10	56
VR 5405A	201	229	< 1	< 0.01	2	90	16	2	1	7	0.02	< 10	< 10	12	< 10	20
VR 5406A	201	229	2	< 0.01	9	100	8	< 2	2	6	0.03	< 10	< 10	12	< 10	38
VR 5407A	201	229	< 1	0.01	18	300	24	< 2	7	13	0.12	< 10	< 10	73	10	168
VR 5408A	201	229	1	< 0.01	15	370	24	< 2	3	9	0.04	< 10	< 10	50	< 10	54
VR 5409A	201	229	2	< 0.01	3	580	42	< 2	2	76	0.02	< 10	< 10	21	< 10	62
VR 5410A	201	229	1	< 0.01	9	390	24	< 2	5	6	0.08	< 10	< 10	52	10	80
VR 5411A	201	229	2	< 0.01	14	310	10	< 2	3	11	0.08	< 10	< 10	60	< 10	46
VR 5412A	201	229	< 1	< 0.01	15	280	< 2	< 2	3	11	0.08	< 10	< 10	71	10	46
VR 5413A	201	229	< 1	< 0.01	14	170	12	< 2	3	10	0.08	< 10	< 10	58	< 10	58
VR 5414A	201	229	< 1	< 0.01	< 1	180	8	2	2	3	0.03	< 10	< 10	25	< 10	52
VR 5415A	201	229	< 1	< 0.01	8	470	38	< 2	14	3	0.06	< 10	< 10	62	10	166
VR 5416A	201	229	< 1	0.01	18	450	32	< 2	4	12	0.07	< 10	< 10	64	< 10	66
VR 5417A	201	229	1	< 0.01	8	150	14	< 2	3	9	0.02	< 10	< 10	35	< 10	72
VR 5418A	201	229	1	< 0.01	5	210	16	< 2	2	4	0.01	< 10	< 10	26	< 10	34
VR 5419A	201	229	1	0.01	21	290	16	< 2	5	13	0.08	< 10	< 10	64	10	52
VR 5420A	201	229	< 1	< 0.01	13	320	28	< 2	3	10	0.06	< 10	< 10	55	< 10	62
VR 5421A	201	229	< 1	< 0.01	10	260	30	< 2	3	13	0.08	< 10	< 10	69	10	50
VR 5422A	201	229	1	< 0.01	21	280	12	< 2	4	13	0.09	< 10	< 10	70	< 10	72
VR 5423A	201	229	< 1	< 0.01	2	110	18	< 2	1	4	0.01	< 10	< 10	13	< 10	16
VR 5424A	201	229	1	< 0.01	6	190	30	< 2	3	4	0.02	< 10	< 10	25	< 10	86
VR 5425A	201	229	1	< 0.01	12	200	10	< 2	4	11	0.07	< 10	< 10	50	< 10	44
VR 5426A	201	229	< 1	< 0.01	9	400	10	< 2	6	12	0.09	< 10	< 10	56	< 10	48
VR 5427A	201	229	< 1	< 0.01	13	130	18	< 2	4	12	0.08	< 10	< 10	49	< 10	50
VR 5428A	201	229	< 1	< 0.01	6	380	22	2	6	4	0.07	< 10	< 10	35	< 10	76
VR 5429A	201	229	1	< 0.01	10	200	28	< 2	3	14	0.07	< 10	< 10	52	< 10	68
VR 5430A	201	229	2	< 0.01	8	200	36	< 2	2	7	0.04	< 10	< 10	30	< 10	76
VR 5431A	201	229	3	< 0.01	3	200	42	< 2	3	5	0.04	< 10	< 10	39	< 10	60
VR 5432A	201	229	1	< 0.01	6	90	56	< 2	3	7	0.02	< 10	< 10	27	< 10	130
VR 5433A	201	229	< 1	0.01	14	160	12	< 2	3	13	0.08	< 10	< 10	48	< 10	42
VR 5434A	201	229	1	< 0.01	13	200	32	< 2	3	14	0.07	< 10	< 10	57	< 10	60

CERTIFICATION: Stuart Bichler

Appendix E

Drill Logs: Hole 93-LS-17

LEGEND TO ACCOMPANY LONE STAR DRILL LOGS


Overburden


Quartz Feldspar Porphyry Dyke


Mafic Dyke


Quartz-Muscovite±Chlorite Schist


Quartz-Muscovite-Chlorite Schist, with chlorite-rich laminae


Quartzose Quartz Muscovite±Chlorite Schist

Quartz-Chlorite-Muscovite Schist


Quartz-Chlorite Schist


Siliceous Chlorite Schist

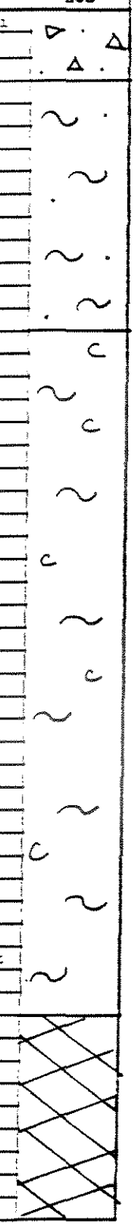

Metamorphosed mafic igneous rock

Fault Zone


Vein

HOLE NO. 93-LS- 17 | AZ: 090 | DIP: -55 | DEPTH: 99m | LOCATION: Upper Eldorado | LOGGED BY: ALD
UTM: 587411.125 7083737.500

SAMPLE NO.	FROM(FT)	TO (FT)	FROM (M)	TO (M)	ROCK TYPE	ALTERATION	SULPHIDES	COLOUR	DESCRIPTION	REMARKS
4451	0	5	0.0	1.5	Ovb		tr oxi py	bn/gn	mixed MusChlSch, fragments of red stained sch	qtz and chlsch oxi
4452	5	10	1.5	3.0	Ovb		tr oxi py	bn/gn	homogeneous MusChlSch	
4453	10	15	3.0	4.6	Ovb?MusSch		tr oxi py	bn/gn	MusChlQtzSch w/ some chips more felsic with	homogeneous
4454	15	20	4.6	6.1	MusQtzSch		tr oxi py	bn/gn	as above	possibly bedrock
4455	20	25	6.1	7.6	MusQtzSch		tr oxi py	bn/gn	as above	v weathered
4456	25	30	7.6	9.1	MusQtzSch	w carb		bn/gn	as above, w carb along fractures in qtz	v weathered
4457	30	35	9.1	10.7	MusQtzSch			bn/gn	as above	v weathered
4458	35	40	10.7	12.2	MusQtzSch			olive gn	as above	v weathered
4459	40	45	12.2	13.7	MusQtzSch			olive gn	as above	v weathered
4460	45	50	13.7	15.2	MusQtzSch	w carb		olive gn	carb on fractures in rare qtz,rare bl qtz eyes	v weathered
4461	50	55	15.2	16.8	MusQtzSch	w carb		olive gn	w carb along fractures in rare qtz	v weathered
4462	55	60	16.8	18.3	MusQtzSch	w carb		olive gn	as above, w carb along fractures in rare qtz	v weathered
4463	60	65	18.3	19.8	MusQtzSch	w carb		olive gn	as above	v weathered
4464	65	70	19.8	21.3	MusQtzSch	w carb		olive gn	as above	v weathered
4465	70	75	21.3	22.9	ChlMusQtzSch	m carb		olive gn	as above, carb is pervasive	v weathered
4466	75	80	22.9	24.4	ChlMusQtzSch	m carb		olive gn	as above	v weathered
4467	80	85	24.4	25.9	ChlMusQtzSch	m carb		olive gn	as above, carb clearly x-cuts foliation	v weathered
4468	85	90	25.9	27.4	ChlMusQtzSch	m carb		olive gn	as above	v weathered
4469	90	95	27.4	29.0	ChlMusQtzSch	m carb	tr pyy	olive gn	as above	v weathered
4470	95	100	29.0	30.5	ChlMusQtzSch	m carb		olive gn	as above	v weathered
4471	100	105	30.5	32.0	ChlMusQtzSch	m carb	tr pyy	olive gn	as above	v weathered
4472	105	110	32.0	33.5	ChlMusQtzSch	w carb	tr pyy	olive gn	as above	v weathered
4473	110	115	33.5	35.1	ChlMusQtzSch	w carb	tr pyy	bn/gn	as above	v weathered
4474	115	120	35.1	36.6	ChlMusQtzSch	w carb	tr pyy	bn/gn	as above, increase in wt qtz to 2%	v weathered
4475	120	125	36.6	38.1	ChlMusQtzSch	w carb	tr pyy	bn/gn	as above	oxidized
4476	125	130	38.1	39.6	ChlMusQtzSch	w carb	tr pyy	bn/gn	as above	oxidized
4477	130	135	39.6	41.1	ChlMusQtzSch	w carb	tr pyy	bn/gn	as above	oxidized
4478	135	140	41.1	42.7	ChlMusQtzSch	w carb	tr pyy	bn/gn	as above,carb along fractures in qtz	oxidized
4479	140	145	42.7	44.2	ChlMusQtzSch	w carb	tr pyy	bn/gn	as above	oxidized
4480	145	150	44.2	45.7	ChlMusQtzSch	w carb	tr pyy	bn/gn	as above	oxidized
4481	150	155	45.7	47.2	ChlMusQtzSch	w carb	tr pyy	olive gn	as above	oxidized
4482	155	160	47.2	48.8	ChlMusQtzSch	w carb	tr pyy	olive gn	as above	oxidized
4483	160	165	48.8	50.3	ChlMusQtzSch	w carb	tr pyy	olive gn	as above	oxidized
4484	165	170	50.3	51.8	ChlMusQtzSch	w carb		olive gn	as above	slight oxi
4485	170	175	51.8	53.3	ChlMusQtzSch	w carb		olive gn	as above	slight oxi
4486	175	180	53.3	54.9	ChlMusQtzSch	w carb, w sil		olive gn	as above	slight oxi
4487	180	185	54.9	56.4	ChlMusQtzSch	w carb, s sil		gn/bn	30% strongly sil,tan coloured, carb in qtz	slight oxi
4488	185	190	56.4	57.9	ChlMusQtzSch	w carb		gn/bn	as 175-180	slight oxi
4489	190	195	57.9	59.4	ChlMusQtzSch	w carb, w sil		gn/bn	as above, slight increase in qtz, 2%	slight oxi
4490	195	200	59.4	61.0	ChlMusQtzSch	w carb, w sil		gn/bn	as above	slight oxi
4491	200	205	61.0	62.5	ChlMusQtzSch	clay		gn	as above, less qtz, minor clay component	slight oxi
4492	205	210	62.5	64.0	ChlMusQtzSch	clay		gn/bn	strong clay, tan colour	oxi, possible fault
4493	210	215	64.0	65.5	ChlMusQtzSch	w sil		gn/bn	same as 195-200	slight oxi
4494	215	220	65.5	67.1	ChlMusQtzSch	partly s sil		gn	strongly silicified component 5% is silicified	only partially oxi
4495	220	225	67.1	68.6	ChlQtzSch	v minor clay	tr pyy	lt-m gn	more metamorphic qtz	fresh, unoxidized
4496	225	230	68.6	70.1	ChlQtzSch		tr pyy	m gn		
4497	230	235	70.1	71.6	ChlQtzSch		tr pyy	m gn	v minor oxidation on some chips	rare chips w/ oxi
4498	235	240	71.6	73.2	ChlQtzSch	w carb	tr pyy	m gn	as above, w/ FeDol along fractures in qtz	as above
4499	240	245	73.2	74.7	ChlQtzSch	w carb	tr pyy	m gn	as above	as above
4501	245	250	74.7	76.2	ChlQtzSch	w carb	tr pyy	m gn	as above	as above
4502	250	255	76.2	77.7	ChlQtzSch	w carb	tr pyy	m gn	as above	as above
4503	255	260	77.7	79.2	ChlQtzSch	w Fe carb	tr pyy	m gn	as above, slight increase in qtz to 2%	increase in oxi
4504	260	265	79.2	80.8	ChlQtzSch	m Fe carb	tr pyy	m gn	as above, Fe carb stringers xcutting foliation	as above



4505	265	270	80.8	82.3	MusChlQtzSch	w Fe carb	tr pyy	m gn	pyy stringers, patches of red mineral	as above
4506	270	275	82.3	83.8	MusChlQtzSch	v w carb	tr pyy	m gn	rare carb, rare patches of red mineral	rare oxi
4507	275	280	83.8	85.3	MusChlQtzSch	v w Fe carb	tr pyy	m gn	as above	
4508	280	285	85.3	86.9	MusChlQtzSch	w carb, w epi	tr pyy	m gn/bn	minor epi - carb veinlets	minor oxi
4509	285	290	86.9	88.4	MusChlQtzSch	w carb	tr pyy	m gn	same as 275-280, 5% chips of same comp as 295	
4510	290	295	88.4	89.9	Mafic dyke	w patchy carb	<1% pyy, mag	gr/bl	post-meta, epi and hem patches, propyllitic al	
4511	295	300	89.9	91.4	Mafic dyke	w patchy carb	<1% pyy	gr/bl	fsp phenos, dol, pyy & car stringers	
4512	300	305	91.4	93.0	Contact unit				50% unit above, 50% unit below	
4513	305	310	93.0	94.5	Intmed dyke	m carb	tr oxi pyy	olive gn	1% f.g. dolomite & 5% mafic phenocrysts	altered feldspar
4514	310	315	94.5	96.0	Intmed dyke	w carb		olive gn	same as above, but w/ brown aphanitic component	porphyry dyke?
4515	315	320	96.0	97.5	Intmed dyke			gn/bn	same as above, less dolomite and finer grained	
4516	320	325	97.5	99.1	Intmed dyke			tr	as above f.g. phenocrysts	END OF HOLE

Appendix F

Analytical Certificates: Drill Cuttings

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.

138 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

A9314033

Comments: ATTN:ANN DOYLE

CERTIFICATE A9314033

KENNECOTT CANADA, INC.

Project: 05-432 93LS17
P.O. # : 05-432

Samples submitted to our lab in Vancouver, BC.
This report was printed on 15-MAY-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
207	71	Assay pulv, screen -150, roll
274	5	0-15 lb crush and split
276	37	16-25 lb crush and split
273	21	26-35 lb crush and split
270	2	36-50 lb crush and split
234	6	Splitting charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
1433	65	Weight in kilograms	BALANCE	0.01	N/A
881	71	Au g/t: Total, metallics calc.	FA-AAS/GRAV	0.07	500.00
885	71	Au- g/t: Metallics calc.	FA-AAS/GRAV	0.07	500.00
887	71	Au+ mg: Metallics calculation	FA-AAS/GRAV	0.001	50.000
889	71	Weight- g: Metallics calculation	BALANCE	1	N/A
888	71	Weight+ g: Metallics calculation	BALANCE	0.01	N/A

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.

138 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : 05-432 93LS17
Comments: ATTN:ANN DOYLE

Certificate Date: 15-MAY-93
Invoice No. :19314033
P.O. Number :05-432
Account :KAVA

CERTIFICATE OF ANALYSIS A9314033

SAMPLE	PREP CODE		Weight Kg	Au tot g/t	Au - g/t	Au + mg	Wt. - grams	Wt. + grams				
VR04451A 000-005	207	274	0.41	< 0.07	< 0.07	< 0.002	204	6.04				
VR04452A 005-010	207	274	4.73	< 0.07	< 0.07	< 0.002	244	4.62				
VR04453A 010-015	207	274	5.05	< 0.07	< 0.07	< 0.002	256	7.92				
VR04454A 015-020	207	274	3.73	< 0.07	< 0.07	0.005	301	2.97				
VR04455A 020-025	207	276	8.25	< 0.07	< 0.07	< 0.002	300	6.20				
VR04456A 025-030	207	274	6.02	< 0.07	< 0.07	< 0.002	259	7.95				
VR04457A 030-035	207	276	8.45	0.10	0.10	< 0.002	339	7.40				
VR04458A 035-040	207	276	10.68	< 0.07	< 0.07	< 0.002	312	0.85				
VR04459A 040-045	207	276	11.16	< 0.07	< 0.07	< 0.002	284	2.30				
VR04460A 045-050	207	276	11.23	< 0.07	< 0.07	< 0.002	296	3.31				
VR04461A 050-055	207	276	10.14	< 0.07	< 0.07	< 0.002	335	4.97				
VR04462A 055-060	207	276	11.07	< 0.07	< 0.07	< 0.002	286	2.40				
VR04463A 060-065	207	276	10.98	< 0.07	< 0.07	< 0.002	316	6.84				
VR04464A 065-070	207	276	9.02	< 0.07	< 0.07	< 0.002	264	4.51				
VR04465A 070-075	207	276	11.20	< 0.07	< 0.07	< 0.002	325	4.23				
VR04466A 075-080	207	276	8.98	< 0.07	< 0.07	< 0.002	293	6.95				
VR04467A 080-085	207	276	8.95	< 0.07	< 0.07	< 0.002	294	5.60				
VR04468A 085-090	207	276	10.41	< 0.07	< 0.07	< 0.002	304	7.29				
VR04469A 090-095	207	276	10.59	< 0.07	< 0.07	< 0.002	301	9.73				
VR04470A 095-100	207	276	10.02	< 0.07	< 0.07	< 0.002	336	9.95				
VR04471A 100-105	207	276	10.59	< 0.07	< 0.07	< 0.002	359	3.11				
VR04472A 105-110	207	276	9.39	< 0.07	< 0.07	< 0.002	332	2.49				
VR04473A 110-115	207	276	9.48	< 0.07	< 0.07	< 0.002	351	3.83				
VR04474A 115-120	207	276	10.09	< 0.07	< 0.07	< 0.002	321	1.20				
VR04475A 120-125	207	273	11.95	< 0.07	< 0.07	< 0.002	295	0.64				
VR04476A 125-130	207	276	8.59	< 0.07	< 0.07	< 0.002	280	8.35				
VR04477A 130-135	207	276	9.32	< 0.07	< 0.07	< 0.002	289	5.59				
VR04478A 135-140	207	276	9.18	< 0.07	< 0.07	< 0.002	298	5.44				
VR04479A 140-145	207	276	11.05	< 0.07	< 0.07	< 0.002	296	7.05				
VR04480A 145-150	207	273	15.34	< 0.07	< 0.07	< 0.002	285	9.63				
VR04481A 150-155	207	273	14.80	< 0.07	< 0.07	< 0.002	322	2.24				
VR04482A 155-160	207	273	13.91	< 0.07	< 0.07	< 0.002	315	0.57				
VR04483A 160-165	207	270	17.16	< 0.07	< 0.07	< 0.002	285	7.42				
VR04484A 165-170	207	276	9.00	< 0.07	< 0.07	< 0.002	284	2.29				
VR04485A 170-175	207	276	9.80	< 0.07	< 0.07	< 0.002	333	7.55				
VR04486A 175-180	207	276	10.41	< 0.07	< 0.07	< 0.002	265	2.36				
VR04487A 180-185	207	276	11.80	< 0.07	< 0.07	< 0.002	286	8.17				
VR04488A 185-190	207	273	12.48	< 0.07	< 0.07	< 0.002	274	1.80				
VR04489A 190-195	207	276	10.45	< 0.07	< 0.07	< 0.002	289	3.32				
VR04490A 195-200	207	276	10.09	< 0.07	< 0.07	< 0.002	300	2.60				

CERTIFICATION:

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.

138 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : 05-432 93LS17
Comments: ATTN:ANN DOYLE

Page Number :2
Total Pages :2
Certificate Date: 15-MAY-93
Invoice No. :19314033
P.O. Number :05-432
Account :KAVA

CERTIFICATE OF ANALYSIS A9314033

SAMPLE	PREP CODE		Weight Kg	Au tot g/t	Au - g/t	Au + mg	Wt. - grams	Wt. + grams
VR04491A 200-205	207	276	7.52	< 0.07	< 0.07	< 0.002	292	2.81
VR04492A 205-210	207	276	11.68	< 0.07	< 0.07	< 0.002	341	6.11
VR04493A 210-215	207	276	10.11	< 0.07	< 0.07	< 0.002	301	10.16
VR04494A 215-220	207	273	13.45	< 0.07	< 0.07	< 0.002	278	4.43
VR04495A 220-225	207	273	12.55	< 0.07	< 0.07	< 0.002	313	3.81
VR04496A 225-230	207	273	14.18	< 0.07	< 0.07	< 0.002	297	4.19
VR04497A 230-235	207	273	12.64	< 0.07	< 0.07	< 0.002	269	6.74
VR04498A 235-240	207	273	16.11	< 0.07	< 0.07	< 0.002	253	8.73
VR04499A 240-245	207	273	13.68	< 0.07	< 0.07	< 0.002	307	10.94
VR04501A 245-250	207	270	18.32	< 0.07	< 0.07	< 0.002	227	11.46
VR04502A 250-255	207	276	8.64	< 0.07	< 0.07	< 0.002	285	10.68
VR04503A 255-260	207	273	12.64	< 0.07	< 0.07	< 0.002	243	9.52
VR04504A 260-265	207	273	14.14	< 0.07	< 0.07	< 0.002	259	11.86
VR04505A 265-270	207	273	15.14	< 0.07	< 0.07	< 0.002	250	9.84
VR04506A 270-275	207	273	16.14	< 0.07	< 0.07	< 0.002	253	9.35
VR04507A 275-280	207	273	14.70	< 0.07	< 0.07	< 0.002	273	8.44
VR04508A 280-285	207	273	14.93	< 0.07	< 0.07	< 0.002	234	11.71
VR04509A 285-290	207	273	13.82	< 0.07	< 0.07	< 0.002	257	10.71
VR04510A 290-295	207	273	13.84	< 0.07	< 0.07	< 0.002	278	14.76
VR04511A 295-300	207	276	10.50	< 0.07	< 0.07	< 0.002	220	14.67
VR04512A 300-305	207	273	13.14	< 0.07	< 0.07	< 0.002	287	14.55
VR04513A 305-310	207	273	13.55	< 0.07	< 0.07	< 0.002	353	13.45
VR04514A 310-315	207	276	11.55	< 0.07	< 0.07	< 0.002	288	14.66
VR04515A 315-320	207	276	10.95	< 0.07	< 0.07	< 0.002	335	14.40
VR04516A 320-325	207	276	9.86	< 0.07	< 0.07	< 0.002	292	6.19
VR04460AR045-050	207	234	-----	< 0.07	< 0.07	< 0.002	329	8.85
VR04470AR095-100	207	234	-----	< 0.07	< 0.07	< 0.002	292	15.36
VR04480AR145-150	207	234	-----	< 0.07	< 0.07	< 0.002	202	11.48
VR04490AR195-200	207	234	-----	< 0.07	< 0.07	< 0.002	243	13.80
VR04501AR245-250	207	234	-----	< 0.07	< 0.07	< 0.002	225	12.10
VR04511AR295-300	207	234	-----	< 0.07	< 0.07	< 0.002	255	18.50

CERTIFICATION: Thanh Vinh

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.

138 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

A9314034

Comments: ATTN:ANN DOYLE

CERTIFICATE A9314034

KENNECOTT CANADA, INC.

Project: 05-432 93LS17
P.O. # : 05-432

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-MAY-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	65	Pulp; prepped on other workorder
229	65	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	65	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	65	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	65	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	65	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	65	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	65	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	65	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	65	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	65	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	65	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	65	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	65	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	65	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	65	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	65	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	65	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	65	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	65	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	65	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	65	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	65	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	65	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	65	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	65	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	65	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	65	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	65	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	65	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	65	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	65	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	65	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	65	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

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To: KENNECOTT CANADA, INC.

138 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : 05-432 93LS17
Comments: ATTN:ANN DOYLE

Certificate Date: 14-MAY-93
Invoice No. :19314034
P.O. Number :05-432
Account :KAVA

CERTIFICATE OF ANALYSIS A9314034

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
VR04491A 200-205	299	229	0.2	1.27	58	200	< 0.5	< 2	1.71	< 0.5	6	25	18	2.00	10	< 1	0.23	20	0.78	585	1
VR04492A 205-210	299	229	< 0.2	0.91	26	170	< 0.5	< 2	0.33	< 0.5	6	11	23	1.71	10	< 1	0.27	30	0.49	480	1
VR04493A 210-215	299	229	< 0.2	0.77	22	230	< 0.5	< 2	0.25	< 0.5	3	9	16	1.65	< 10	< 1	0.26	20	0.38	175	1
VR04494A 215-220	299	229	0.2	0.72	12	200	< 0.5	< 2	0.76	< 0.5	4	10	13	1.08	< 10	< 1	0.21	20	0.43	255	< 1
VR04495A 220-225	299	229	0.2	0.88	40	360	< 0.5	< 2	0.84	< 0.5	4	14	12	1.53	< 10	< 1	0.19	10	0.86	375	< 1
VR04496A 225-230	299	229	< 0.2	0.67	32	900	< 0.5	< 2	1.09	< 0.5	4	14	14	1.32	< 10	< 1	0.20	10	0.56	375	< 1
VR04497A 230-235	299	229	< 0.2	0.46	24	670	< 0.5	< 2	1.57	< 0.5	3	9	13	1.00	< 10	1	0.17	10	0.28	480	< 1
VR04498A 235-240	299	229	0.2	0.55	10	230	< 0.5	< 2	1.06	< 0.5	5	11	21	1.16	< 10	< 1	0.18	10	0.43	345	< 1
VR04499A 240-245	299	229	< 0.2	0.74	32	400	< 0.5	< 2	1.24	< 0.5	5	16	15	1.46	< 10	< 1	0.17	10	0.59	450	1
VR04501A 245-250	299	229	< 0.2	0.85	42	350	< 0.5	< 2	1.18	< 0.5	6	16	16	1.75	< 10	< 1	0.23	20	0.70	535	1
VR04502A 250-255	299	229	< 0.2	0.78	22	360	< 0.5	< 2	1.34	< 0.5	7	13	14	1.65	< 10	< 1	0.20	10	0.77	525	1
VR04503A 255-260	299	229	0.2	0.66	20	460	< 0.5	< 2	1.16	< 0.5	5	12	17	1.34	< 10	1	0.18	20	0.57	395	< 1
VR04504A 260-265	299	229	0.2	0.86	24	390	< 0.5	< 2	1.14	< 0.5	6	12	17	1.68	< 10	< 1	0.16	20	0.86	440	< 1
VR04505A 265-270	299	229	0.4	0.74	30	180	< 0.5	< 2	1.50	1.0	6	15	42	1.57	< 10	< 1	0.17	20	0.62	490	1
VR04506A 270-275	299	229	0.2	0.76	24	190	< 0.5	< 2	1.38	< 0.5	6	14	41	1.43	< 10	< 1	0.21	20	0.57	440	< 1
VR04507A 275-280	299	229	< 0.2	0.81	18	180	< 0.5	< 2	1.17	< 0.5	5	13	17	1.54	< 10	< 1	0.17	10	0.77	425	1
VR04508A 280-285	299	229	0.4	1.06	42	140	< 0.5	2	1.08	< 0.5	7	17	25	1.94	< 10	< 1	0.17	20	0.82	560	1
VR04509A 285-290	299	229	0.2	1.10	50	190	0.5	< 2	1.74	< 0.5	8	22	19	2.39	< 10	< 1	0.16	10	0.87	620	1
VR04510A 290-295	299	229	< 0.2	1.78	14	260	0.5	< 2	2.11	< 0.5	23	99	38	5.33	10	< 1	0.13	10	2.34	715	< 1
VR04511A 295-300	299	229	< 0.2	1.36	22	120	0.5	< 2	1.95	< 0.5	22	97	34	4.89	10	< 1	0.13	10	2.07	700	< 1
VR04512A 300-305	299	229	0.2	1.75	30	200	1.0	4	2.02	< 0.5	18	62	26	4.14	10	< 1	0.18	10	1.87	715	< 1
VR04513A 305-310	299	229	0.6	1.56	40	150	1.0	< 2	1.81	< 0.5	11	29	17	3.31	10	< 1	0.16	30	1.20	670	< 1
VR04514A 310-315	299	229	0.4	1.38	174	130	1.5	< 2	1.18	< 0.5	10	30	14	2.91	10	< 1	0.23	40	0.65	780	< 1
VR04515A 315-320	299	229	0.2	0.99	66	370	1.0	< 2	0.32	< 0.5	4	16	14	2.14	10	1	0.27	40	0.37	370	1
VR04516A 320-325	299	229	0.2	0.59	194	190	0.5	< 2	0.20	< 0.5	2	15	7	1.44	10	1	0.25	40	0.13	220	1

CERTIFICATION: Stuart Bickler

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.

138 - 200 GRANVILLE ST.
VANCOUVER, BC
V6C 1S4

Project : 05-432 93LS17
Comments: ATTN:ANN DOYLE

Certificate Date: 14-MAY-93
Invoice No. : I9314034
P.O. Number : 05-432
Account : KAVA

CERTIFICATE OF ANALYSIS A9314034

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
VR04491A 200-205	299	229	< 0.01	13	590	16	< 2	3	93	< 0.01	< 10	< 10	16	< 10	64
VR04492A 205-210	299	229	< 0.01	9	490	18	< 2	1	32	< 0.01	< 10	< 10	5	< 10	66
VR04493A 210-215	299	229	0.01	6	430	16	2	1	54	< 0.01	< 10	< 10	5	< 10	56
VR04494A 215-220	299	229	< 0.01	7	390	12	< 2	1	46	< 0.01	< 10	< 10	4	< 10	38
VR04495A 220-225	299	229	0.01	9	430	34	2	2	54	< 0.01	< 10	< 10	9	< 10	66
VR04496A 225-230	299	229	0.01	8	410	16	< 2	2	86	< 0.01	< 10	< 10	7	< 10	46
VR04497A 230-235	299	229	0.01	6	450	40	< 2	1	63	< 0.01	< 10	< 10	3	< 10	40
VR04498A 235-240	299	229	0.01	6	480	8	< 2	1	44	< 0.01	< 10	< 10	4	< 10	38
VR04499A 240-245	299	229	0.01	10	500	12	2	2	57	< 0.01	< 10	< 10	7	< 10	50
VR04501A 245-250	299	229	0.01	12	540	4	< 2	2	55	0.01	< 10	< 10	9	< 10	62
VR04502A 250-255	299	229	0.01	10	480	20	2	2	67	< 0.01	< 10	< 10	8	< 10	58
VR04503A 255-260	299	229	0.01	7	500	24	< 2	1	52	< 0.01	< 10	< 10	5	< 10	54
VR04504A 260-265	299	229	0.01	9	530	22	< 2	1	61	< 0.01	< 10	< 10	6	< 10	82
VR04505A 265-270	299	229	0.01	10	470	22	< 2	1	74	< 0.01	< 10	< 10	6	< 10	112
VR04506A 270-275	299	229	0.01	9	480	18	< 2	2	66	< 0.01	< 10	< 10	6	< 10	76
VR04507A 275-280	299	229	0.01	9	420	24	< 2	1	53	< 0.01	< 10	< 10	5	< 10	66
VR04508A 280-285	299	229	0.01	11	490	20	< 2	1	42	< 0.01	< 10	< 10	8	< 10	74
VR04509A 285-290	299	229	0.01	16	570	12	2	2	66	< 0.01	< 10	< 10	17	< 10	56
VR04510A 290-295	299	229	0.14	57	1470	< 2	4	6	113	0.11	< 10	< 10	75	10	78
VR04511A 295-300	299	229	0.13	51	1420	2	2	6	106	0.11	< 10	< 10	70	10	76
VR04512A 300-305	299	229	0.09	34	1080	20	2	5	88	0.09	< 10	< 10	62	10	92
VR04513A 305-310	299	229	0.03	18	640	44	< 2	4	66	0.01	< 10	< 10	36	< 10	114
VR04514A 310-315	299	229	0.01	23	530	38	4	4	44	< 0.01	< 10	< 10	25	< 10	136
VR04515A 315-320	299	229	< 0.01	12	330	70	< 2	1	19	< 0.01	< 10	< 10	7	< 10	130
VR04516A 320-325	299	229	< 0.01	10	240	44	2	1	14	< 0.01	< 10	< 10	2	< 10	70

CERTIFICATION: Stuart Bichler

MAP NO: 115O/14

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL
OPEN FILE

DOCUMENT NO: 0932208
MINING DISTRICT: DAWSON
TYPE OF WORK: PROSPECTING, SOIL SAMPLING & REVERSE CIRCULATION DRILLING

REPORT FILED UNDER: KENNECOTT CANADA INCORPORATED

DATE PERFORMED: 25 APRIL/93-7 JUNE/93

DATE FILED: APRIL 25, 1994

LOCATION: **LAT.:** 63°51'

LONG.: 139°15'

AREA: ELDORADO CREEK

VALUE $: 11,500

CLAIM NAME & NO.: CAL 1-12 (YB30653-64), CAL 14-27 (YB30666-79), RADO 1-16 (YB17012-27), RADO 53-70 (YB17064-81), RADO 107-116 (YB17114-23), RADO 121-138 (YB17128-45), RADO 168-189 (YB17175-95), RADO 190-195 (YB17456-61)

WORK DONE BY: R. CRANSWICK, A. DOYLE

WORK DONE FOR: WEALTH RESOURCES LIMITED, ARBOR RESOURCES INC., RISE RESOURCES INC.

DATE TO GOOD STANDING:	

REMARKS: SOUTHWARD EXTENSION OF LONE STAR PROPERTY. THE ONE REVERSE CIRC. HOLE ON THE ADJACENT LONE STAR PROPERTY.

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

M.R. file no. QA09238 | 52-53

R.M.M.R. file no.

Date forwarded 27 Apr 94

TRANSMITTAL FORM

Mining Recorder at: DAWSON

Regional Manager, Mineral Rights at Whitehorse, Y.T.

ion are:

NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name		
RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.	
AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.	
SECURITY DEPOSIT			
FINANCIAL ABILITY			
☐ ASSIGNMENT OF PLACER LEASE NO.	From	To	
☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner		
☐ DIAMOND DRILL LOGS	Claims	Claim sheet no.	
☒ QUARTZ ASSESSMENT REPORT	Claims: Rudo + Cal claims	Claim sheet no.: 1150-14	
Kennecott	Type of report: Prospecting, Soil sampling etc.	Submitted by: R. Cranswick / A Doyle	
	Cls. work performed on: Rudo 1-3, 14, 16 etc Cal 1-2, 4, 16 etc	$ req. for ren. application: 11,500.00	

OFFICE OF THE DEPUTY MINING RECORDER MAY 03 1994 WHITEHORSE YUKON TERRITORY

Signature

REPLY ACTION

Date returned

093208

Signature

802-37 (7-88)

needs approval

COPY

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

NAME(S): Violet
MINFILE #: 115O 073
MAJOR COMMODITIES: Au
MINOR COMMODITIES: Ag,Pb,Cu,Ba
TECTONIC ELEMENT: Yukon Tanana Terrane
NTS MAP SHEET: 115 O 14
LATITUDE: 63°51'26"N
LONGITUDE: 139°16'43"W
DEPOSIT TYPE: Vein
STATUS: Underground Past Producer

CLAIMS (PREVIOUS AND CURRENT)

VIOLET, VI, RUTH, OPHIR, RADO

WORK HISTORY

Staked as Violet (208A), Ruth (1804), etc in Jan-Jun/01 by A.E. Bendin, who formed a company, Violet Mg CL. By 1907, it had completed $60,000 of development on the Violet group, including 3 shafts (47, 7 and 11 m deep), 133 m of drifting and an open cut (15 by 4 by 5 m), a 1065 m tramway to a cyanide mill on Ophir Creek which treated 4.5 tonnes in 1905 and 1.4 tonnes in 1906, and had taken 11 claims to lease.

Restaked as Ophir cl (56180) in Mar/47 by Ophir Mg Synd and as Vi cl (YA55285) in May/81 by Ebony Res L, which performed a photogrammetric survey in 1981 and geochem sampling in 1982. The claims were transferred to Silvercrest Res Corp, which performed mapping and sampling in 1983 and geochem sampling and hand pitting in 1984. The claims were transferred to Dawson Eldorado ML in 1985. Arbor Res L tied on Rado cl (YB17102) to the south and west in June and Jul/88, and trenched and sampled the Violet vein in 1990. The Vi and Rado cl were transferred to Kennecott Canada Inc. in May/93 as part of an option agreement. Kennecott Canada Inc. conducted a program of soil sampling, prospecting and geological mapping on the Rado claims in Jun/93.

GEOLOGY

Several massive white quartz-barite veins cut flaggy, quartz and feldspar augen-bearing, quartz-muscovite schist. The largest vein is 1.2 to 2 m wide and strikes east-west along the mylonitized contact between orthogneiss and a mafic dyke. The vein dips 80° to the south and has been traced 80 m into a lineament that extends 1 km farther. Minor amounts of pyrite, galena and chalcopyrite occur in small pockets along the vein.

Surface assays of up to 130.2 g/t Au were reported by early workers on the Violet group but no assays are available from the underground workings. MacLean took 25 samples on surface, of which 20 contained no gold or silver. Two of six grab samples from 136 tonnes of quartz on the dump of the main shaft assayed 1.4 and 3.4 g/t Au; and 10.3 and 3.4 g/t Ag. A 0.6 m channel sample containing sulphides from a trench assayed 3.1 g/t Au and 20.5 g/t Ag. A grab sample containing sulphides from a shaft dump assayed 1.4 g/t Au and 20.6 g/t Ag, while a 3.2m channel sample from the face of an adit assayed 0.7 g/t Au and 1.0 g/t Ag. A selected sample of quartz-barite vein material collected 600 m north of the main shaft by Gleeson assayed 0.7 g/t Au, 1.4 g/t Ag, 1.4% Pb and 1.3% Ba. A selected sample collected from the dump of the main shaft by Debicki assayed 3.0 g/t Au and 3.8 g/t Ag.

Arbor's trenching in 1990 uncovered two parallel veins which assayed 3.7 g/t Au over 0.76 m and 4.6 g/t Au over 1.0 m respectively.

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

NAME(S): Violet
MINFILE #: 115O 073
MAJOR COMMODITIES: Au
MINOR COMMODITIES: Ag,Pb,Cu,Ba
TECTONIC ELEMENT: Yukon Tanana Terrane
NTS MAP SHEET: 115 O 14
LATITUDE: 63°51'26"N
LONGITUDE: 139°16'43"W
DEPOSIT TYPE: Vein
STATUS: Underground Past Producer

CLAIMS (PREVIOUS AND CURRENT)

VIOLET, VI, RUTH, OPHIR, RADO

WORK HISTORY

Staked as Violet (208A), Ruth (1804), etc in Jan-Jun/01 by A.E. Bendin, who formed a company, Violet Mg CL. By 1907, it had completed $60,000 of development on the Violet group, including 3 shafts (47, 7 and 11 m deep), 133 m of drifting and an open cut (15 by 4 by 5 m), a 1065 m tramway to a cyanide mill on Ophir Creek which treated 4.5 tonnes in 1905 and 1.4 tonnes in 1906, and had taken 11 claims to lease.

Restaked as Ophir cl (56180) in Mar/47 by Ophir Mg Synd and as Vi cl (YA55285) in May/81 by Ebony Res L, which performed a photogrammetric survey in 1981 and geochem sampling in 1982. The claims were transferred to Silvercrest Res Corp, which performed mapping and sampling in 1983 and geochem sampling and hand pitting in 1984. The claims were transferred to Dawson Eldorado ML in 1985. Arbor Res L tied on Rado cl (YB17102) to the south and west in June and Jul/88, and trenched and sampled the Violet vein in 1990. The Vi and Rado cl were transferred to Kennecott Canada Inc. in May/93 as part of an option agreement. Kennecott Canada Inc. conducted a program of soil sampling, prospecting and geological mapping on the Rado claims in Jun/93.

GEOLOGY

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YUKON EXPLORATION 1985-86, p. 370; 1990, p. 42.

QMS QUARTZ–MUSCOVITE SCHIST

CS CHLORITE SCHIST

QFMS QUARTZ–FELDSPAR–MUSCOVITE SCHIST; medium grained, green to pink

QFBS QUARTZ–FELDSPAR–BIOTITE SCHIST; locally chlorite–rich (QFCS) fine to medium grained, buff to pink up to 10% biotite

GQ coarse grained to pegmatitic, clear to milky quartz and potassium feldspar, calcite, biotite

GS milky white quartz vein

bar barite
bio biotite
carb carbonate
epi epidote
gal galena
mrp mariposite
mus muscovite
pyy pyrite
qtz quartz
vn vein

outcrop

subcrop (includes frost heave)

geological contact; defined, inferred

fault; inferred

foliation; with dip

joint; with dip

trench; mechanical

trench; hand

VR2873 × outcrop sample site

VR3242 △ float

93LS17 drillhole location and identifier

mineral occurrence

contour interval 100 metres

scale: 1:20,000

0 200 400 600 1000

metres

DWG 484 093238

Kennecott Canada Inc.
Vancouver

KLONDIKE GOLD

CAL & RADO CLAIMS GEOLOGY & ROCK SAMPLE

YUKON, CANADA

NTS:	1150/14	Projection:	UTM(NAD83)	Drawn by:	MJD/HO
Date:	4/04/94	Author:	A.D.	FIGURE 4	
File:	CALRADO	Scale:	1:20,000		

VR3318A soil line with stations

contour interval 100 metres

scale: 1:20,000

0 200 400 600 1000

metres

DWG 485? 053203

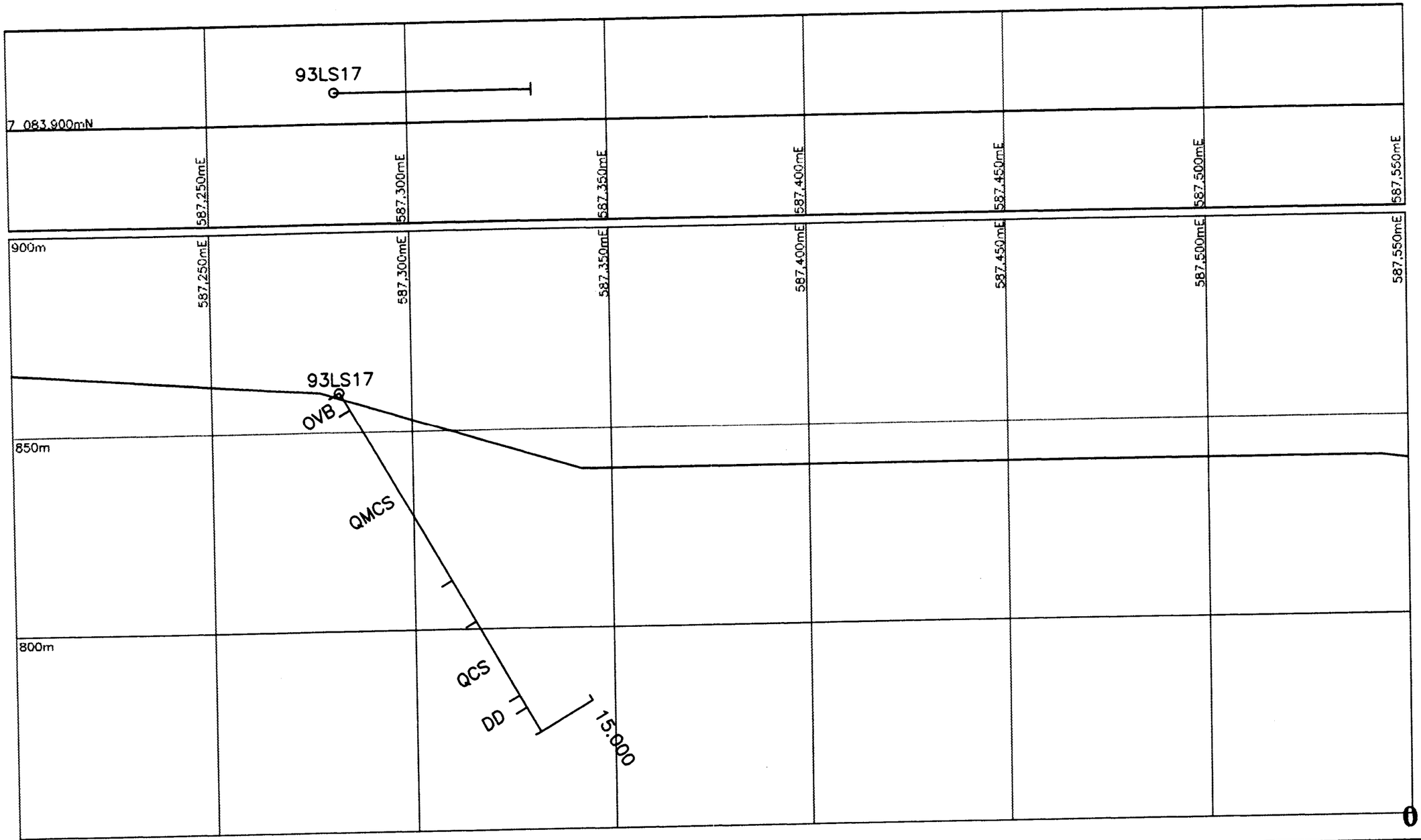
Kennecott Canada Inc.
Vancouver

KLONDIKE GOLD

CAL & RADO CLAIMS SOIL SAMPLE LOCATIONS

YUKON, CANADA

NTS:	1150/14	Projection:	UTM(NAD83)	Drawn by:	MJD/HO
Date:	8/04/94	Author:	A.D.		FIGURE 5
File:	CALRADO	Scale:	1:20,000		



scale 1:1000

0 50

metres

093208

Kennecott Canada Inc.
Vancouver

LONESTAR - KLONDIKE GOLD

LS-17
DRILL SECTION

YUKON, CANADA

Date: 8/04/94 | Author:
File: KLO-LS17 | Pls: 1 = 1

Figure 13