VAULT OPTION

Osoyoos Mining District B.C.

GEOLOGY, GEOCHEMISTRY AND DRILLING

1982

By J. McClintock December 1982

N.T.S. 82E/5E

Latitude 49°22'N Longitude 119°37'W

Claims

Vault 1-5

Owner

Riocanex Inc.

Operator

Riocanex Inc.

VAULT OPTION

Osoyoos Mining District, B.C.

GEOLOGY, GEOCHEMISTRY AND DRILLING

1982

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS

Drawing No.		In Pocket Scale
L-6765	Claim Location	1:50,000
G-8006	Geology & Rock Sample Locations	1:2,000
Figure 1	Initial Geochemical Survey	1:10,000
Figure 2	Rock-chip Sampling North Zone	1:500
GC-8007	Geochemistry	1:2,000
D-7624	Geology and Drill Plan Location	1:500
D-7625	Longitudinal Section 030S	1:500
D-6764	Cross Section 060E	1:500

grading 13.7 g/t Au mined previously. A potential at depth for a gold deposit between 1,000,000 and 2,000,000 tonnes of 5 to 14 g/t Au and 30 to 40 g/t Ag is believed to exist on the Vault Claims.

In 1983 it is proposed that 3 diamond drill holes, totalling 750m be drilled to cross-cut the auriferous silicified zone approximately 90m below the bottom of the percussion drill holes. In addition, it is recommended that the overburden covered south-central part of the claims be grid-soil sampled to search for additional areas of silicification.

1. INTRODUCTION

In the spring of 1982 Riocanex Inc. concluded an option agreement with M. Morrison of 684 Balsam Road, Kelowna on the 8 unit Vault 1 mineral claim located in the Osoyoos Mining District. Immediately following optioning the claim, Riocanex staked 4 additional claims peripheral to the Vault 1 claim. The property referred to as the Vault Option currently consists of the Vault 1 through 5 claims totalling 49 units.

M. Morrison staked the Vault 1 claim to secure a silicified gossan in Tertiary-aged rocks in the belief that this silicified zone might be auriferous at depth. Examination of the prospect by the writer found an intense zone of silicification measuring 300m by 50m containing up to 0.7 g/t Au with associated anomalous levels of As, Hg and Sb. The presence of low-grade gold associated with silicification similar to that at the Consolidated Cinola deposit and other epithermal gold deposits prompted Riocanex Inc. to option the Vault Claim on May 28, 1982.

From May to June 1982, Riocanex carried out 1:2,000 scale geological mapping over 1.4 km^2 of the north central portion of the option and collected 908 soil samples and 108 rock-chip samples. Favourable results of the May to June programme prompted a limited percussion drilling programme of 275m of drilling in 4 holes undertaken from November 12-19, 1982.

Findings of the geological mapping, geochemical sampling and percussion drilling programme are discussed in this report.

1.1 Location and Access

The Vault Option is situated in south-central British Columbia within NTS map sheet 82-E-5, approximately 4km northwest of the village of Okanagan Falls and 9km south of

the City of Penticton Airport. Center of the property lies at latitude 49°22'N and longitude 119°37'W. The claims are within the Osoyoos Mining District.

Provincial Highway 3a/97, the Penticton-Osoyoos road, passes through the eastern margin of the claim. The remainder of the claim is traversed by a network of abandoned logging roads.

1.2 Property and Claim Status

The Vault Option currently consists of the Vault 1 through 5 mineral claims totalling 49 units. Status of each claim is listed in Table 1.

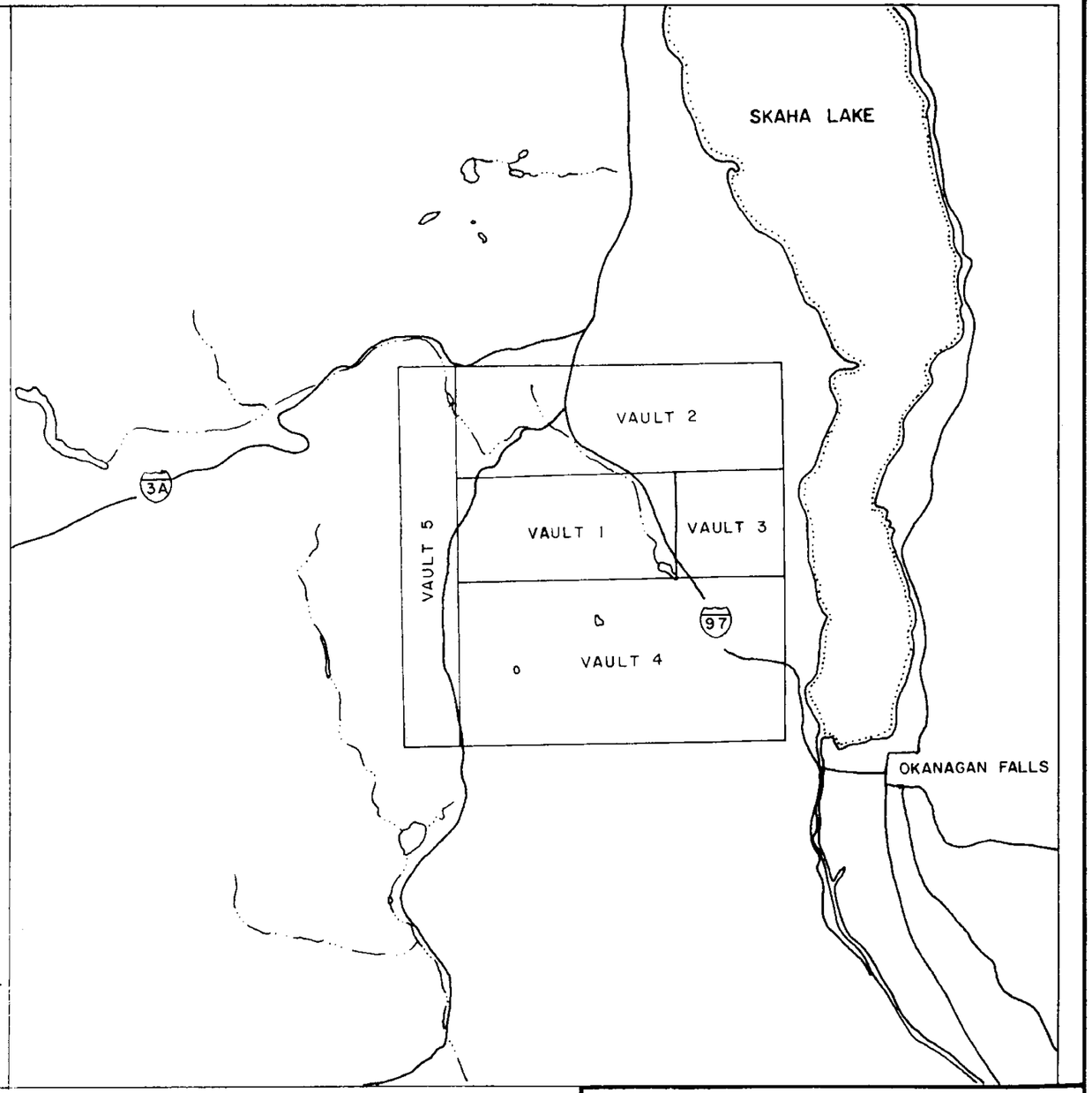
TABLE I
Claim Status

Claim	No. of Units	Record No.	Date of Record	Expiry Date
Vault 1	8	1513	22 March 1982	22 March 83
Vault 2	12	1531	25 May 1982	25 May 1983
Vault 3	4	1532	25 May 1982	25 May 1983
Vault 4	18	1533	25 May 1982	25 May 1983
Vault 5	7	1534	25 May 1982	25 May 1983

The Vault 1 mineral claim is owned by M. Morrison, while the Vault 2 through 5 are owned by Riocanex Inc. All claims are subject to the agreement between Morrison and Riocanex and currently are recorded in the name of Riocanex.

1.3 Topography and Vegetation

The Vault Option lies on a west bench of the Okanagan Valley, topography on the bench is subdued, characterized by knolls and hills with relief of seldom more than 100m.



N.T.S. 82E/5

SCALE 1:50,000

1000 500 0 1000 2000 3000 4000 Metres

RIO TINTO CANADIAN EXPLORATION LTD.

VAULT OPTION

LOCATION MAP

DATE	DRAWN BY	DWG.
JAN. 1983	J.Mc /	L - 6765

Vegetation consists of open pine forest and range grasses characteristic of a semi-arid climate. Average rainfall is less than 40cm per year, most of which occurs in the fall and winter months. No permanent water courses occur on the property, and all water for drilling must be trucked to the claims.

2. GEOLOGY

2.1 General

The regional geology about the Vault Claims has been mapped by B.N. Church of the British Columbia Department of Mines and described in Bulletin 61. Church shows the claims to overlie shallow dipping volcanic rocks of mid- to upper Eocene age which he has subdivided into the older Marron and younger Marama Formations. Contact between the two formations, except where fault controlled, is described as an unconformity.

The Marron Formation is described as mainly feldspar porphyry lavas with minor pyroclastic rocks, while the Marama consists of massive rhyodacite flows, with lesser pyroclastic and sedimentary rocks at the contact with the Marron Formation. Thickness of the Marron Formation is reported to be in the order of 1300m, while Church states that the Marama is 300m thick.

2.2 Property Geology

The central portion of the Vault Claims was mapped in 1982 at a scale of 1:2,000 (DWG. G-8006). Rocks were subdivided into two formations based on those described by Church.

On the claims, the mid-Eocene Marron Formation, unit 1, consists of trachy-andesite lavas and agglomerates which typically consist of clots of lath-like, 5mm to 1cm crystals of feldspar in a fine-grained felsic groundmass. Biotite, in phenocysts 1-3mm in diameter, forms up to 20% of the rock. As the base of the Marron is not exposed in the map area, it is not possible to assign a thickness to this unit; however, the extent of the Marron suggests a thickness greater than 1000m.

The Marama Formation, unit 2, has been subdivided into two distinct rock types: 2a, - a lower unit of thinly bedded tuffaceous sandstone, grits and lesser tuffs; and, 2b, - an overlying massive, light-grey coloured, rhyodacite flows with occassional interbedded tuffs. Contact between units 2a and 2b is essentially gradational, with sedimentary rocks of the unit becoming increasingly tuffaceous higher in the section. At the one location observed, unit 2a appears to be 60 to 80m thick. Nowhere, has the upper contact of unit 2b been seen, so its thickness could not be measured. The combined thickness of both unit 2a and 2b suggest a minimum thickness of 300m.

All of the rock formations trike northeasterly and dip 20 to 30^{o} to the east. An east-west oriented fault passes through the centre of the claims, off-setting Marron and Marama Formation rocks.

South of the main fault, the contact between the Marron and Marama is an unconformity marked by the inter-formational sandstone and grits of unit 2a. Exposures of unit 2a are limited to the centre of the mapped area, where this unit has been silicified. Elsewhere, unit 2a is poorly consolidated and weathers recessively resulting in the most of the Marron-Marama Formation contact being overburden covered. North of the main fault, the contact between the Marron and Marama is entirely obscured by overburden.

2.3 Silicification

Two areas of silicification were found during mapping. The largest area occurs in the centre of the mapped area, immediately south of the main fault. A second area of silicification occurs north of the fault centered at 100W and 300N on the geochemical survey grid. (DWG.GC-8006).

The area south of the fault, occurs as a prominant 080° trending zone of silicification 300m in length within a minimum width of 50m. The silicification here occurs predominantly in the sandstones and grits of 2a; but extends, however, in the east into rhyodacite tuffs and flows of unit 2b. Silicification in the 300m by 50m area consists of a tight stockwork of easterly-trending veinlets, stringers and veins of light-to-dark-grey chalcedonic quartz. Often, these stringers and veins have drusy cores and cavities. Stringers and veins vary from micro-fractures to 14cm in width and, although preferentially oriented E-W, are seldom continuous in strike or dip. Rock in the zone is highly fractured with fractures healed with silica. Spacing between quartz-healed fractures is often so close that the rock has a breccia-like appearance. Replacement of the wall-rock by chalcedony is pervassive, especially where the veins are closely spaced. Preferential replacement of individual beds, particularly the coarser-grained beds, has occurred. Feldspars have been weakly to moderately kaolinized. Carbonate infilling of fractures was also noted. Sulphide mineralization is confined to very fine grained, massive, granular pyrite which forms a 2-3mm wide lining along the walls of some quartz veins. For the most part, pyrite is confined to the western part of the silicified zone while, eastward the pyrite content rapidly diminishes.

Total pyrite content in the most westerly outcrop is estimated to be 1%. Limonite is common throughout the silicified area infilling some voids and drusy cavities and appears to be an oxidation product of original sulphides.

Because of overburden cover the limits of the main silicified zone are only poorly defined. Westward and to the north, across overburden covered intervals, lie trachy-andesite lavas of the Marron Formation. Southward, across talus and overburden covered ground, are unit 2b rhyodacite flows of the Marama Formation. To the east, the silicified zone gradually diminishes in intensity, but, as in the cases of the other limits, the actual transition into unaltered rocks is obscured.

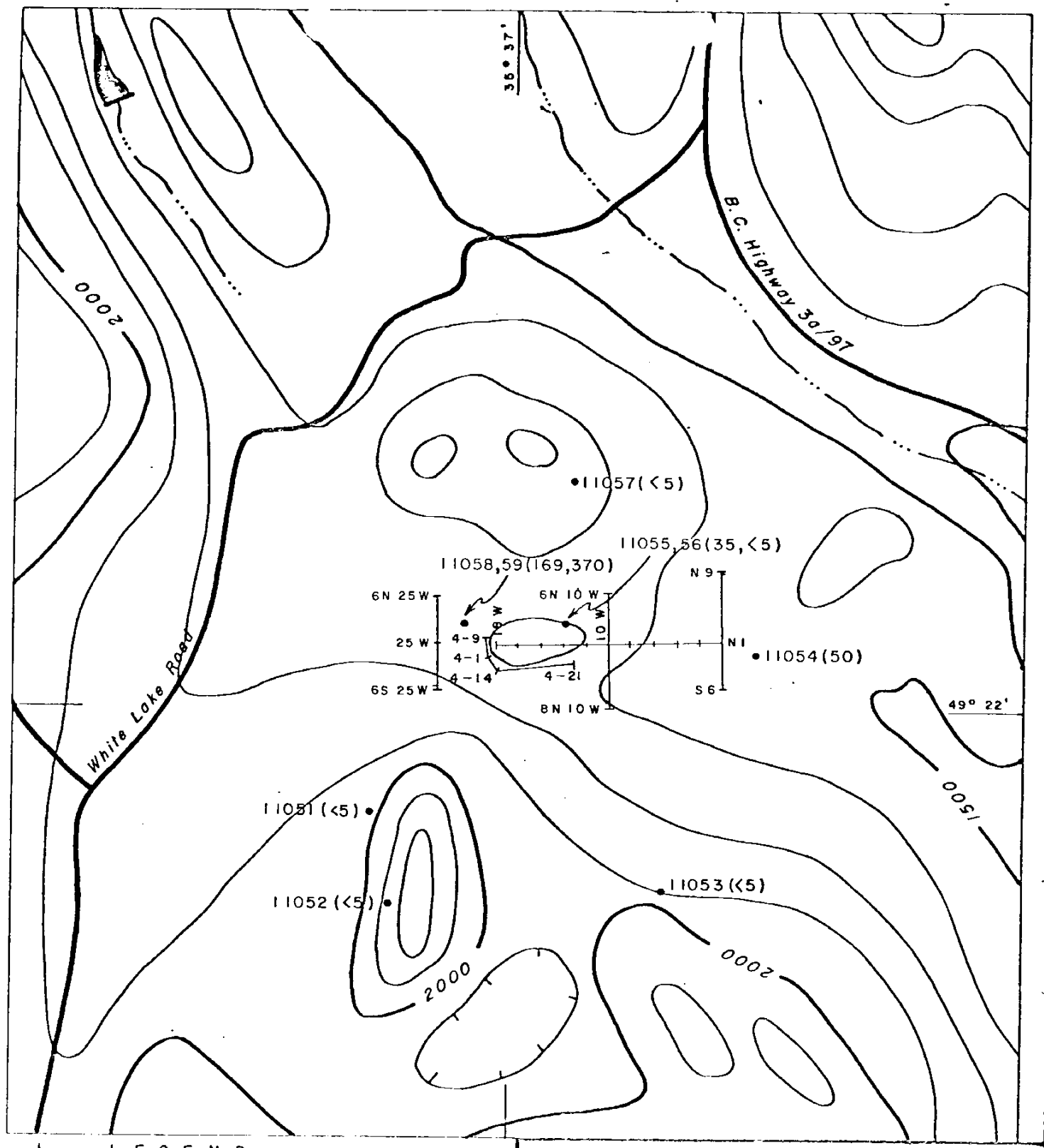
The second area of silicification, the North Zone, located north of the major fault, consists of two, 080° trending, 10m wide zones of quartz and chalcedony veins and stringers in Marron Formation flows. Both of the zones are discontinuous along strike, having a maximum length of 150m. Unlike the main zone to the south, quartz and chalcedony are confined to fracture fillings and there is no significant replacement of wall-rocks by silicia. Generally, veins and stringers are wider than in the south zone - being up to 40m wide.

3. GEOCHEMISTRY

3.1 Sampling and Sample Preparation

Both soil sampling and rock-chip sampling were used to define areas having potential for gold mineralization.

During the May 5, 1982 examination, a total of 57 soil samples were collected along 4 reconnaissance lines (Fig. 1). One line was run from east to west over the



LEGEND

18W

Sample locations

o 11054(50) April 22,82 Chip Sample results Au ppb

SCALE 1:10,000

200 100 0 200 400 Metres

RIO TINTO CANADIAN EXPLORATION LTD.

VAULT CLAIM

SAMPLE LOCATION MAP

DATE	DRAWN BY	DWG.
MAY 1982	JAMc/DAG	FIGURE 1

center of the silicified zone while the remaining three lines were run in a north-south direction across the east-end, the center and the west-end of the zone. Soil samples were collected at 25m intervals along the east-west lines and at 15m intervals along the north-south lines. Favourable results, prompted grid-soil sampling over the north-central part of the Vault Claims in the hope that apparently favourable silicification covered by overburden could be detected geochemically. From May 28 through June 5, using chain and compass techniques, a total of 908 soil samples were collected at 20m intervals along north-south oriented lines spaced 100m apart.

At each station, samples of soil were collected from the "C" soil horizon. The sampling of "C" horizon soil was necessitated by the lack of a "B" horizon and the sporadic occurrence of the "Ah" horizon. Average depth from which the soil samples were collected was 15cm.

Samples of the soil from each location were numbered, placed in kraft paper envelope and shipped to Chemex Labs in North Vancouver, B.C. At Chemex, the samples were oven-dried at 30°C, then sieved through an ASTM -80 mesh screen with the over-sized material discarded. Analyses for Hg was done by a Varian Spectrophotometer after digestion of a 1g subsample of the -80 mesh material in nitric and hydrochloric acid and reduction of the Hg to the elemental state by stannous sulfate. For Sb analyses, a 2g subsample of the -80 mesh material was digested with concentrated hydrochloric acid with Fe in the resultant solution reduced to Fe+2 state and Sb complexed with I-, followed by extraction of the Sb complex with TOPO MIBK and analyzed by atomic absorption. Analyses for As was done by flameless atomic absorption after digestion of

a 1g subsample of -80 mesh material in a mixture of perchloric and nitric acid to strong fumes of perchloric acid, dilution of the digested solution to volume and reduction with KI and conversion to arsene with $NaBH_4$.

Rock-chip samples were collected from silicifed outcrops in both the North and Main Zones during the April 26, the May 5 and May 28 through June 5, 1982 appraisal of the claims. The purpose of the sampling was to determine gold content and if any obvious grade-trends existed.

With few exceptions, the samples consisted of approximately 1kg of rock collected by continuous chipping across a 3m width. Rock samples were collected at sites selected to give an even sample distribution over both of the silicified zones. The location of the sample sites was established relative to the geo-chemical grid using pace and compass techniques. In addition to the random chip sampling, a line of 3m, continuous chip samples were collected from the west end of the main zone. The purpose of this line of samples was to establish the variation in gold content across the zone.

Rock samples were also collected from those areas of the geochemical grid where talus slopes prevented the collection of soil samples. At these locations grab samples of rock were collected from the talus. A total of 78, 3m rock-chip samples and 30 grab samples from talus were collected. Each of the rock-chip samples were placed in a plastic bag and shipped to Chemex Labs in North Vancouver. At Chemex, the 3m chip samples and talus grab samples were crushed, then pulverized in a ring grinder to -100 mesh. A 10g subsample analyzed for gold by standard fire assay preparation techniques with either atomic absorption or neutron activation finish. Analyses

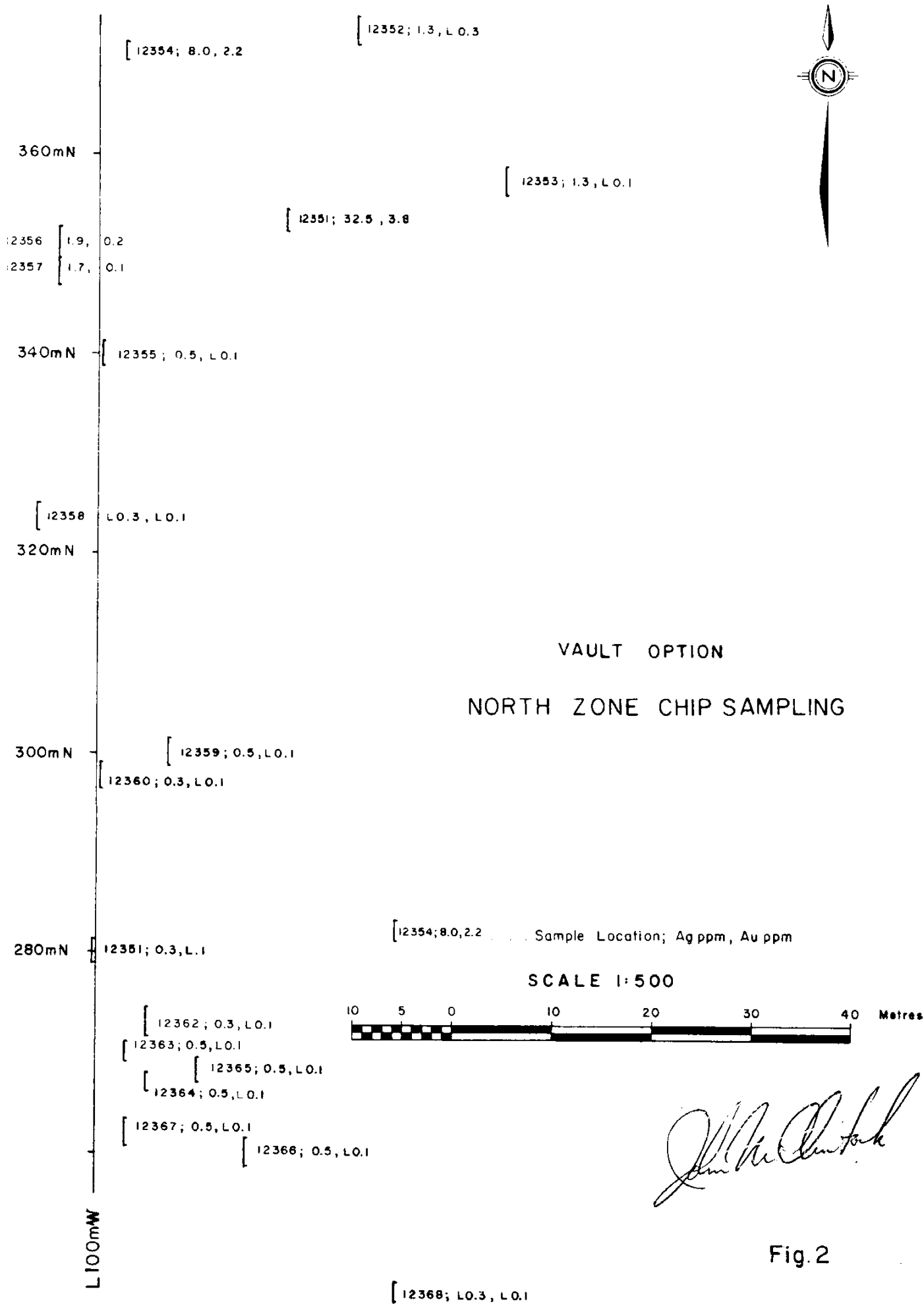

12352; 1.3, L 0.3
12354; 8.0, 2.2
360mN
12353; 1.3, L 0.1
12351; 32.5, 3.8
12356 1.9, 0.2
12357 1.7, 0.1
340mN
12355; 0.5, L 0.1
12358 L 0.3, L 0.1
320mN
VAULT OPTION
NORTH ZONE CHIP SAMPLING
300mN
12359; 0.5, L 0.1
12360; 0.3, L 0.1
12354; 8.0, 2.2 Sample Location; Ag ppm, Au ppm
280mN
12361; 0.3, L.1
SCALE 1:500
10 5 0 10 20 30 40 Metres
12362; 0.3, L 0.1
12363; 0.5, L 0.1
12365; 0.5, L 0.1
12364; 0.5, L 0.1
12367; 0.5, L 0.1
12366; 0.5, L 0.1
L100mW
12368; L 0.3, L 0.1

Fig. 2

for silver were by atomic absorption spectrometer while As, Hg and Sb analyses were done by techniques identical to those employed for the soil samples.

Rock-chip samples from the line collected across the main zone and those from the north zone were subjected to different sample preparation techniques. These samples were crushed to -100 mesh, screened with the over-sized material examined for metallic gold. Analyses was carried out on a full assay ton by fire assay and atomic absorption technique.

3.2 Results

3.2.1 Ag, Hg & Sb

Analytical results of the soil samples for the elements As, Hg and Sb are plotted on Drawing GC-8007 anomalous values of these elements are contoured. Anomalous levels for the soil samples were taken at the 95 percentile; they are as follows: As-15ppm; Hg-60ppb; and Sb-1.4ppb.

Contouring shows 5 distinct areas highlighted by anomalous levels of 2 or more of the trace elements. The largest of the multielement anomalies is south of the base line while the remaining 4 anomalies lie north of the base line. All of the anomalies have a WNW trend.

The largest anomalous area is between grid-lines 00mE and 400mE and from 140mS. Within this area all samples are anomalous for As and Sb. A large, partially coincident Hg anomaly of roughly equal dimensions is slightly displaced to the south.

Both the As and Sb, and to a lesser extent, the Hg, overlie the Main Zone of intense silicification in units 2a and 2b.

Of the four anomalies north of the base line, two occur on or between lines 100mW and 99mE. The southern-most of these anomalies lies between 220mN and 280mN and is anomalous for Hg and Sb, while the northern anomaly lying between 320mN and 400mN is anomalous for all three trace elements. Both of these anomalies overlie the northern silicified zone, where quartz veins and stringers occupy fractures in Marron Formation trachy-andesite flows.

A third area, anomalous for all of the trace elements, lies north of the baseline as a thin 20 to 40m wide anomaly located 200m north of the baseline between lines 300mE and 500mE. Here, occassional discontinuous quartz veins were noted in Marron Formation flows.

The fourth northern anomaly, situated between lines 200W and 700W, is between 1 and 2 stations wide and is primarily a Hg anomaly, with Sb being coincidently anomalous only in the western portion. No silicification was noted in the area of this anomaly.

3.2.2 Gold and Silver

The results of the rock-chip samples are displayed on Drawing L-8006 while the results of chip samples from the north silicified zone are shown on Figure 2.

Rock-chip samples collected during the initial property examination and during the May 28 through June 5 programmes show the main silicified zone to

have surface grades ranging from < 0.1 g/t to 0.7 g/t Au and from < 0.1 g/t to 8.6 g/t Ag. Vertical variation in gold and silver grades is suggested by the chip sampling. A line of continuous, 3m chip samples were collected from the base of a 15m bluff on the extreme western end of the silicified zone. The average of these chip samples is 0.5 g/t Au and 4.6 g/t Ag while a row of chip samples collected along the top of the same bluff averaged only 0.15 g/t Au and 0.8 g/t Ag.

In the northern area of silicification, grab samples collected from talus were found to contain from < 0.1 g/t to 4.3 g/t Au with up to 10.6 g/t Ag. Subsequent detailed sampling found gold and silver to be concentrated in larger quartz veins up to 0.4m wide and fractured zones containing anastomosing quartz stringers. One quartz vein yielded 3.8 g/t Au and 32.5 g/t Ag across its 40cm width and a 3m chip sample from an anastomosing quartz-stockwork in a 2m wide fracture zone assayed 2.2 g/t Au and 8.8 g/t Ag. The remainder of the samples collected from the northern area contained less than 0.2 g/t Au and less than 2.0 g/t Ag.

4. DRILLING

4.1 Programme

A short programme of percussion drilling totalling 275m in 4 holes was carried out between November 11 and November 18, 1982 by L. Spence Percussion Drilling. Locations of the holes are displayed on Drawing D-7624, with longitudinal and cross sections of the drilling shown on Drawings D-7625 and D-6764. The purpose of

the drilling was to test the hypothesis, suggested by surface rock sampling, that gold grades in the silicified zone were increasing with depth.

Percussion drilling was carried out with a truck-mounted pneumatic hammer drill. A 5.1cm hole was drilled, with drill cuttings being flushed from the hole by water. All such cuttings were collected at 10 feet intervals and placed in plastic bags, numbered and noted as to location and depth. Prior to shipping the drill cuttings to Chemex Labs in North Vancouver, they were examined with a binocular microscope and logged as to rock-type, degree of silicification, alteration and sulphide content. Drill logs for each of the holes are provided in Appendix I. After logging, the chips were sent to Chemex Labs in North Vancouver, B.C. Here, the samples were dried, a 250g sub-sample removed, and pulverized to -100 mesh. The -100 mesh material was screened with screens examined for metallic gold, then a full assay ton of the -100 mesh material was fire-assayed for gold and silver.

4.2 Results

Percussion drill hole 1 (PDH 1) was collared in Marama Formation (unit 2a) sandstones and grits and persisted in this unit to a depth of 6.1m where the hole entered Marron Formation (unit 1), trachy-andesite and continued in this formation over its remaining length. Near the collar of the hole, the rock is silicified, contains an average of 5% pyrite, and is strongly bleached and kaolinized, with depth, both silicification and pyrite become sporadic. By the bottom of the hole silicification was generally absent, pyrite in trace amounts and the rock only weakly altered. Assays for gold from the hole are low, with all but three assays less than 0.1 g/t Au.

Two, greater than 0.1 g/t, occur in the initial 15m of the hole, the third occurs near the bottom of the hole associated with a short interval of pyrite, bleached and silicified rock. Silver assays, with one exception, are also low throughout the hole and generally display a gradual decrease in grade down the length of the hole. The exception to low silver values is a 38 g/t Ag assay obtained near the top of the hole. This high assay is suspect, and is to be checked. The intermitant nature of the silicification and pyrite content, as well as the low silver and gold assays, suggests this hole was drilled on the margin of the silicified zone and may slowly have angled away from it.

PDH 2 was collared in sandstones and grits of unit 2a and continued in this unit to a depth of 76m where it entered trachy-andesites of the Marron Formation. Rock alteration at the collar of the hole is restricted to moderate silicification and traces of pyrite. With depth, silicification, pyrite, bleaching and kaolinization intensify. By 50m the rock is intensely bleached and kaolinized, strongly silicified and pyrite forms 5% of the rock. At 57m pyrite forms 10% and further increases to 15% by 67m. Limonite and jarosite, abundant in the initial few metres, were generally absent beyond a depth of 10m. Assay results for both gold and silver show a steady increase in grade with depth. Over the initial 30m of the hole gold content is <0.1 g/t Au with 0.5 g/t Ag. Beyond this point gold and silver steadily increase so that the final 21.3m of the hole has an average grade of 0.7 g/t Au and 3.8 g/t Ag.

PDH 3 was collared in silicified sediments of unit 2a and continued in this unit for 67m before the hole was abadoned due to loss of circulation. Limonite and jarosite were common to a depth of 18m, past which they rapidly

disappeared. Pyrite content, silicification, bleaching and kaolinization show a steady increase over the length of the hole. Bleaching and kaolinization, generally absent at the collar become intense by 51m. By 51m, fragments of quartz veins form 50% of the rock and pyrite composes 15%. As in PDH 2, gold and silver values show significant improvement with depth in the hole. The first 52m of the hole are low-grade averaging <0.1 g.t Au and 0.7 g/t Ag. Past 52m, gold and silver rapidly increase and the final 12m have an average grade of 1.0 g/t Au and 4.7 g/t Ag.

PDH 4 was drilled from the same location as PDH 1, but at a different azimuth and a shallower depth. This hole was drilled in an attempt to cut the silicified zone but was lost at 23m due to caving. Hole 4 encountered Marama sandstones and grits to 12.2m then entered Marron trachy-andesite over the remainder of the hole. PDH 4 was silicified, pyritized, bleached and kaolinized over its entire length. As in holes 2 and 3, PDH 4 showed a general increase in alteration intensity over its length. Limonite and jarosite are persistant throughout the hole. Assays, as in the cases of holes 2 and 3, show an increase for both gold and silver with depth and the final 10.7m of the hole assayed 0.3 g/t Au and 2.6 g/t Ag.

The drill programme confirms the hypothesis that the gold content of the silicified zone is increasing with depth, with holes 2 and 3 having a 7 to 10 fold increase over 50 to 80m intervals. Both holes 2 and 3 also show the pyrite content to increase with depth. Silicification in holes 1, 2 and 4 continues from the the sediments of unit 2a into the underlying unit 1 trachy-andesites, implying that the silicification and gold mineralization is structurally controlled, rather than stratabound within

the sedimentary rocks. Holes 1 and 4 indicate that the zone has a steep southerly dip, estimated to be -80°.

5. DISCUSSION

The surface work of mapping and geochemistry and the percussion drill results have established the presence on the Vault claims of two general zones with chalcedonic quartz veining and silicification with gold and silver. These zones with general ENE trend sedimentary rocks, appear to be structurally controlled in features cutting all rock types on the property. They occur on or near and at a slight angle to the main trend of geochemical anomalies and a mapped fault.

The southern and most intensely developed and prominent Main Zone is an easterly trending zone of chalcedonic quartz veining and pervassive silicification. This silicification is developed at surface in sediments where the zone has a length of 300m and is recognized in the drilling as silicification, bleaching and kaolinization and pyritization continuing well into the underlying Marron Formation flows in holes 2 and 4. This zone has a probable 080° strike. It may continue beneath the Marama flows to the east but its length is likely to be limited by the E-W fault. The width of the zone is not well defined except in so far as holes 1 and 4 probably establish its northern limit and furthermore give a southerly dip to this limit. A width of about 50m is probable.

PDH's 2 and 3 are considered to have been drilled down the zone and show that the silicification etc. are not, as had originally been postulated, restricted to the sediments but continues, with increasing intensity,

into the underlying Marron Formation flows and to continue below the holes. Gold and silver increase in grade in all holes in the zone, i.e., PDH's 2,3 and 4 with the increases in silicification and alteration. It is concluded that the drilling done has probed only the upper part of a steeply dipping auriferous zone of silicification. The core of this zone with probable higher grades lies beneath the levels tested and may continue below the Marama flows to the east.

The geological setting, trace element content, and mode of silicification combined with significantly improving gold and silver grades and a corresponding increase in silicification, bleaching, kaolinization and sulphide content at depth in the Main Zone is similar to the upper levels of known epithermal gold deposits of the Cordillera. The known deposits most similar to the Main Zone are the Wenatchee deposit of Asamera Inc. and Breakwater Resources, and the nearby Dusty Mac deposit. The Wenatchee deposits, reported to contain 2,000,000 tonnes of 5.1 g/t Au in addition to 1,000,000 tonnes of 13.7 g/t Au previously mined, occurs in similar-sized silicified zones in sedimentary rocks of identical age. At Dusty Mac, located 10km east of the Vault Claims, 90,000 tonnes grading 11 g/t Au and 198 g/t Ag were mined from a much smaller silicified zone in slightly younger rocks. The improving grades and alteration in the Main Zone imply for a gold-silver deposit similar to either of these. Similar features are also present at the Chappelle deposit of DuPont Exploration, currently being mined in the Toodogonne area in central B.C.

Less is known of the North Zone. Silicification is as veining, and alteration is not so marked or is absent. Overall grades across the two zones, each about 20m wide, or details of alteration cannot be defined at surface. The North Zone probably reflects a considerably weaker part of a hydrothermal system. It remains possible that it improves with depth.

6. RECOMMENDATIONS

It is recommended that exploration of the Vault Claims be continued in 1983, by,

i. drilling of three NQ core holes totalling 750m to test below the percussion drilling in the Main Zone.

ii. the collection of 1500 soil samples on a 100 X 200m grid over the as yet unexplored south central part of the property.

The three proposed holes would be as follows.

Hole 1. To intersect the zone below and east of PDH 3 and test for eastward extension.
300mE, 110mS
Azimuth 350°
Dip -60°
Depth 250m

Hole 2. To test for zone below PDH 2.
215mE, 110mS
Azimuth 350°
Dip -60°
Depth 250m

Hole 3. To test western end of zone.
80mE, 100mS
Azimuth 350°
Dip -60°
Depth 250m

Holes may not be drilled in the order given above and results might prompt changes. Drilling of these three holes; however, would provide a good list of both grade and geochemical trends. A detailed geochemical sampling and an alteration study should be carried out on all core.

Vancouver
January 1983

APPENDIX I

PERCUSSION DRILL LOGS

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION : 060mE 025mS — HOLE NO : PDH 1

AZIMUTH : 150° — PROPERTY : Vault Option

DIP : -82° — LENGTH : 91.5m — ELEVATION : — Claim No.: Vault 1

STARTED : Nov 14,1982 — CORE SIZE : 5cm — DATE LOGGED : Nov 17,1982 Dec 22,1982 — SECTION :

COMPLETED : Nov 15,1982 — DIP TESTS : None — LOGGED BY : J. McClintock

PURPOSE : Test gold-grades at depth on the western end of the Main silicified zone — CONTRACTOR: Lorne Spence Percussion Drilling

METRES from	METRES to	DESCRIPTION	SAMPLE Nº	METRES from	METRES to	LENGTH	Ag g/t	Au g/t	Pyrite %	Qtz Vein % of Sample
0	3.05	Casing, no rock-chips recovered.	8180	3.05	6.1	3.05	0.8	<0.1	5	50
			8181	6.1	9.15	3.05	38.0	0.1	5	25-30
		Unit 2a, Marama Formation; Tuffaceous sand-	8182	9.15	12.2	3.05	5.0	<0.1	1	10
		stones and grits, strongly bleached and	8183	12.2	15.25	3.05	2.3	0.2	tr	15-20
		kaolinized, all chips coated with limon-	8184	15.25	18.3	3.05	1.3	<0.1	1	30
		ite and jarosite. Pyrite averages 5%,	8185	18.3	21.35	3.05	0.3	<0.1	1	20
		Quartz veins form 50% of the chips.	8186	21.35	24.4	3.05	0.5	<0.1	1	15
			8187	24.4	27.45	3.05	3.6	<0.1	1	15
6.1	END	Unit 1, Marron Formation; Feldspar and	8188	27.45	30.5	3.05	0.5	<0.1	1	10
		biotite porphyritic trachy-andesite,	8189	30.5	33.55	3.05	0.5	<0.1	2	15
		variably bleached and kaolinized,	8190	33.55	36.6	3.05	0.3	<0.1	1	15
		pyritized and silicified. The rock is	8191	36.6	39.65	3.05	0.8	<0.1	1	15
		generally more silicified and altered	8192	39.65	42.7	3.05	0.5	<0.1	1	10
		near the top of the hole, with a gradual	8193	42.7	45.75	3.05	<0.3	<0.1	1	10
		decrease with depth.	8194	45.75	48.8	3.05	<0.3	<0.1	1-2	10
		6.1m to 21.3m- Quartz vein chips form 30%	8195	48.8	51.85	3.05	0.5	<0.1	1-2	10
		of the sample at 6.1m decreasing to 15%	8196	51.85	54.9	3.05	<0.3	<0.1	4	35
		by 21.3m, Pyrite averages 1%. Rock is	8197	54.9	57.95	3.05	0.5	<0.1	1-2	10
		strongly kaolinized and bleached at 6m,	8198	57.95	61	3.05	0.5	<0.1	1-2	10
		decreasing in intensity with depth.	8199	61	64.05	3.05	0.3	<0.1	1	10
		27m Oxide zone ends, limonite and jarosite	8200	64.05	67.1	3.05	0.5	<0.1	1	5
		generally absent below this depth.	8201	67.1	70.15	3.05	<0.3	<0.1	1	5
		45m Alteration confined to chlorization of	8202	70.15	73.2	3.05	<0.3	<0.1	tr	8
		biotite. Qtz veins form 10% or less of	8203	73.2	76.25	3.05	<0.3	<0.1	1-2	10

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE Nº: PDH 1

PAGE Nº: 2

METRES from	METRES to	DESCRIPTION	SAMPLE Nº	METRES from	METRES to	LENGTH	Ag g/t	Au g/t	Pyrite %	Qtz veins % of	Sample
		the sample.	8204	76.25	79.3	3.05	2.3	0.1	4	30	
		51.85m-54.9m Qts veins form 35%, pyrite 4%	8205	79.3	82.35	3.05	<0.3	<0.1	5	25	
		10% of chips are limonite and	8206	82.35	85.4	3.05	<0.3	<0.1	1	30	
		jarosite stained, moderate	8207	85.4	88.45	3.05	<0.3	<0.1	tr	5	
		bleaching and kaolinized.	8208	88.45	91.5	3.05	<0.3	<0.1	tr	15	
		54.9m-76.25m Rock only weakly altered,									
		quartz veins form 10% or less									
		of the sample.									
		76.25m-84.5m Strong kaolinization and									
		bleaching, accompanied by in-									
		creases in pyrite and quartz									
		veining.									
		85.4m-91.5m Rock only weakly altered,									
		trace pyrite, quartz veining									
		form 10% of the sample.									
		91.5m End of hole.									
		No casing left in hole.									

R.A.M.L. 269

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION : 165mE 045mS — HOLE NO : PDH 2

AZIMUTH : Vertical Hole — PROPERTY : Vault Option

DIP : -90° — LENGTH : 91.5m — ELEVATION : — Claim No.: Vault 1

STARTED : Nov 14,1982 — CORE SIZE : 5cm — DATE LOGGED : Nov 17,1982 Dec 23,1982 — SECTION :

COMPLETED : Nov 14,1982 — DIP TESTS : None — LOGGED BY : J. McClintock

PURPOSE : Test gold grades in the centre of the Main silicified zone — CONTRACTOR: L. Spence Percussion Drilling

METRES from	METRES to	DESCRIPTION	SAMPLE Nº	METRES from	METRES to	LENGTH	Ag g/t	Au g/t	Pyrite %	Qtz Veins % of Sample	
0.	3.05	Casing, no rock-chips recovered	8151	3.05	6.1	3.05	1.3	<0.1	1	10	
			8152	6.1	9.15	3.05	1.0	<0.1	tr	10	
3.05	76.25	Unit 2a, Marama Formation; Tuffaceous	8153	9.15	12.2	3.05	0.3	<0.1	1	12	
		Sandstones and grits containing carbon-	8154	12.2	15.25	3.05	0.3	<0.1	2	15	
		leaf fragments and cut by chalcedonic quartz	8155	15.25	18.3	3.05	0.5	<0.1	2	12	
		veins which become increasingly abundant	8156	18.3	21.35	3.05	0.5	<0.1	2	12	
		with depth.	8157	21.35	24.4	3.05	0.5	0.1	5	20	
		3.05m-30.5m Qtz fragments increase from 10%	8158	24.4	27.45	3.05	<0.3	<0.1	2	10	
		at 3.05m to 25% by 30.5m. Pyrite	8159	27.45	30.5	3.05	<0.3	<0.1	1-2	15	
		content steadily increases with	8160	30.5	33.55	3.05	0.3	<0.1	3	12	
		depth. Rock fresh, weak kaolinization	8161	33.55	36.6	3.05	1.0	0.1	5	25	
		of feldspars.	8162	36.6	39.65	3.05	0.8	0.1	5	18	
		18.3m End of oxide zone, limonite and	8163	39.65	42.7	3.05	0.5	0.1	10	50	
		and jarosite decrease to trace	8164	42.7	45.75	3.05	0.8	0.1	5	40	
		amounts.	8165	45.75	48.8	3.05	1.0	0.1	5	40	
		30.5m to 36.6m Kaolinization and pyrit-	8166	48.8	51.85	3.05	1.0	0.2	3	40	
		ization intensify	8167	51.85	54.9	3.05	1.7	0.2	5	40	
		36.6m-76.25 Feldspar nearly totally replac-	8168	54.9	57.95	3.05	1.3	0.2	7	45	
		ed by kaolinite, rock is strongly	8169	57.95	61	3.05	1.3	0.3	10	45	
		bleached. By 67.1m pyrite forms 15%.	8170	61	64.05	3.05	2.3	0.3	10	45	
			8171	64.05	67.1	3.05	1.7	0.3	10	45	
76.25	END	Unit 1, Marron Formation; intensly kaolin-	8172	67.1	70.15	3.05	3.3	0.5	15	45	
		ized and bleached feldspar porphryry, mafic	8173	70.15	73.2	3.05	3.9	0.7	15	50	
		absent, feldspar chalky. Pyrite forms 15%	8174	73.2	76.25	3.05	4.1	0.9	15	45	

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE Nº: PDH 2

PAGE Nº: 2

METRES from	METRES to	DESCRIPTION	SAMPLE Nº	METRES from	METRES to	LENGTH	Ag g/t	Au g/t	Pyrite %	Qtz Vein % of Sample
		of rock, fragments of quartz vein form ≥ 50%	8175	76.25	79.3	3.05	6.3	0.9	10	40
		of rock,	8176	79.3	82.35	3.05	3.3	0.6	15	55
		91.5m End of hole	8177	82.35	85.4	3.05	2.8	0.5	12	50
		No casing left in hole.	8178	85.4	88.45	3.05	3.3	0.5	15	50
			8179	88.45	91.5	3.05	3.3	0.9	13	50

R.A.M.L. 269

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION : 240mE 030mS — HOLE NO : PDH3

AZIMUTH : Vertical Hole — PROPERTY : Vault Option

DIP : -90° — LENGTH : 67.1m — ELEVATION : — Claim No.: Vault 1

STARTED : Nov 13,1982 — CORE SIZE : 5cm — DATE LOGGED : Nov 18,1982 Dec 22,1982 — SECTION :

COMPLETED : Nov 13,1982 — DIP TESTS : None — LOGGED BY : J.McClintock

PURPOSE : Test gold-grades at eastern end of the Main silicified zone — CONTRACTOR: L. Spence Percussion Drilling

METRES from	METRES to	DESCRIPTION	SAMPLE Nº	METRES from	METRES to	LENGTH	Ag g/t	Au g/t	Pyrite %	Qtz Vein % of Sample
0	3.05	Casing, no sample recovered.	8105	3.05	6.1	3.05	< 0.3	<0.1	tr	15
			8106	6.1	9.15	3.05	1.0	<0.1	tr	15
3.05	END	Unit 2a, Marama Formation; Tuffaceous sand-	8107	9.15	12.2	3.05	1.0	<0.1	1	15
		stone and grits containing carbon leaf	8108	12.2	15.25	3.05	1.0	<0.1	1	15
		fragments. Chalcedonic quartz veins through-	8109	15.25	18.3	3.05	0.3	<0.1	2	20
		out, with amounts increasing with depth.	8110	18.3	21.35	3.05	0.5	<0.1	5	25
		30.5m-15.25 Weak bleaching of rock, feld-	8111	21.35	24.4	3.05	0.5	<0.1	2	25
		spars weakly kaolinized.	8112	24.4	27.45	3.05	0.5	<0.1	2	30
		18.3m End of oxide zone, limonite and jaro-	8113	27.45	30.4	3.05	0.5	<0.1	8	40
		site only sporadically present	8114	30.5	33.45	3.05	1.7	<0.1	5	30
		below this level.	8115	33.45	36.6	3.05	0.5	<0.1	3	30
		15.25m-51.8m Kaolinization and bleaching	8116	36.6	39.65	3.95	0.8	<0.1	3	35
		increasing with depth, by 40m	8117	39.65	42.7	3.05	0.5	<0.1	4	20
		all feldspars are strongly	8118	42.7	45.75	3.05	0.8	<0.1	5	35
		kaolinized.	8119	45.75	48.8	3.05	0.5	<0.1	8	35
		51.85m-67.1m Quartz vein fragments form	8120	48.8	51.85	3.05	1.0	<0.1	10	25
		50% of the rock-chips. Feld-	8121	51.85	54.9	3.05	2.5	<0.1	15	50
		spars are totally replaced by	8122	54.9	57.95	3.05	2.8	1.3	15	50
		Kaolinite.	8123	57.95	61	3.05	6.0	0.9	15	50
			8124	61	64.05	3.05	6.0	0.7	15	50
		67.1m Hole stopped due to loss of circulat-	8125	64.05	67.1	3.05	4.1	1.3	15	50
		ion.								
		No casing left in hole.								

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION :	060mE 025mS			HOLE NO :	PDH 4
AZIMUTH :	215°			PROPERTY :	Vault Option
DIP :	-57°	LENGTH : 22.9m	ELEVATION :	Claim No.:	Vault 1
STARTED :	Nov 15,1982	CORE SIZE : 5cm	DATE LOGGED : Nov 18,1982 Dec 23,1982	SECTION :	
COMPLETED :	Nov 15,1982	DIP TESTS : None		LOGGED BY :	J. McClintock
PURPOSE :	Cross-cut western end of Main silicified sone, and to estables dip of sone.			CONTRACTOR:	L. Spence Percussion Drillin

METRES from	METRES to	DESCRIPTION	SAMPLE Nº	METRES from	METRES to	LENGTH	Ag g/t	Au g/t	Pyrite %	Qtz Vein % of Sample		
0	3.05	Casing, no core recovered.	8209	3.05	6.1	3.05	1.9	0.1	2	15		
			8210	6.1	9.15	3.05	0.5	0.1	tr	30		
3.05	12.2	Unit 2a, Marama Formation; tuffaceous sand-	8211	9.15	12.2	3.05	1.0	0.1	1-2	30		
		stone and grits heavily limonite and jaro-	8212	12.2	15.25	3.05	1.7	0.2	8	30		
		site stained, rock is bleached and feld-	8213	15.25	18.3	3.05	1.7	0.3	1-2	40		
		spars kaolinized. Quartz veins form 30% of	8214	18.3	21.35	3.05	3.3	0.4	8	45		
		rock-chips.	8215	21.35	22.9	1.5	2.3	0.2	10	45		
12.2	END	Unit 1, Marron Formation, intensly kaolin-										
		ized, bleached and silicified. Pyrite con-										
		tent and silicification increase with										
		depth.										
		Note from 12.2m to 15.25m chips of the										
		overlying Unit 2a sediments are present in										
		the samples, this may be caused by contam-										
		ination of the samples by rocks from higher										
		in the hole.										
		22.9m Hole stopped due to loss of circulat-										
		ion. No casing left in hole.										

APPENDIX II

GEOCHEMICAL RESULTS

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. MCCLINTOCK

CERT. # : A8210932-001-A
INVOICE # : I8210932
DATE : 30-APR-82
P.O. # : NONE
B.C. PROPERTY EXAM

Sample description	Prep code	AS ppm	Sb ppm	Au FA+AA ppb			
11051	205	1	1.0	<5	--	--	--
11052	205	1	0.4	<5	--	--	--
11053	205	2	0.6	<5	--	--	--
11054	205	2	0.4	50	--	--	--
11055	205	83	4.8	35	--	--	--
11056	205	335	21.0	<5	--	--	--
11057	205	12	1.2	<5	--	--	--
11058	205	85	1.8	160	--	--	--
11059	205	125	4.0	370	--	--	--

Certified by Hart Bichler

ER
ESTING
ION

CHEMEX LABS LTD.

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NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604)984-0221
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CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8210975-001-A
INVOICE # : I8210975
DATE : 10-MAY-82
P.O. # : NONE
B.C. PROPERTY EXAM

Sample description	Prep code	Hg ppb					
11051	214	40	--	--	--	--	--
11052	214	30	--	--	--	--	--
11053	214	10	--	--	--	--	--
11054	214	10	--	--	--	--	--
11055	214	40	--	--	--	--	--
11056	214	300	--	--	--	--	--
11057	214	30	--	--	--	--	--
11058	214	80	--	--	--	--	--
11059	214	50	--	--	--	--	--

RECEIVED

Certified by .....

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CERTIFICATE OF ASSAY

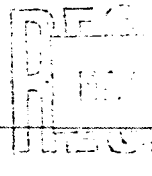
TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8210975-001-A
INVOICE # : I8210975
DATE : 10-MAY-82
P.O. # : NONE
B.C. PROPERTY EXAM

Sample description	Prep code	Ag AA g/tonne					
11051	214	0.8	--	--	--	--	--
11052	214	1.0	--	--	--	--	--
11053	214	0.5	--	--	--	--	--
11054	214	0.8	--	--	--	--	--
11055	214	0.5	--	--	--	--	--
11056	214	0.8	--	--	--	--	--
11057	214	1.0	--	--	--	--	--
11058	214	1.7	--	--	--	--	--
11059	214	3.3	--	--	--	--	--



B. Stewart

Registered Assayer, Province of British Columbia

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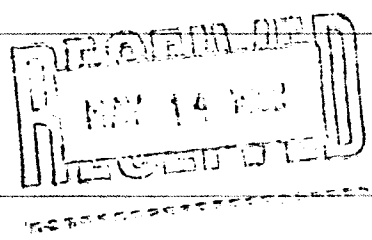
TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211009-001-A
INVOICE # : I8211009
DATE : 12-MAY-82
P.O. # : NONE
8301 - VAULT

Sample description		Prep code	As NAA %	Hg %	Sb NAA %	Ag FA g/tonne	Au FA g/tonne	
D8001	4-1	207	DELAYED	<0.001	DELAYED	8.9	0.7	--
D8002	4-2	207	DELAYED	<0.001	DELAYED	6.5	0.3	--
D8003	4-3	207	DELAYED	<0.001	DELAYED	2.0	0.5	--
D8004	4-4	207	DELAYED	<0.001	DELAYED	4.8	0.5	--
D8005	4-5	207	DELAYED	<0.001	DELAYED	4.4	0.3	--
D8006	4-6	207	DELAYED	<0.001	DELAYED	3.4	0.6	--
D8007	4-7	207	DELAYED	<0.001	DELAYED	4.1	0.4	--
D8008	4-8	207	DELAYED	<0.001	DELAYED	3.4	0.5	--
D8009	4-10	207	DELAYED	<0.001	DELAYED	5.8	0.5	--
D8010	4-11	207	DELAYED	<0.001	DELAYED	1.3	0.4	--
D8011	4-12	207	DELAYED	<0.001	DELAYED	5.1	0.3	--
D8012	4-13	207	DELAYED	<0.001	DELAYED	2.7	0.5	--
D8013	4-14	207	DELAYED	<0.001	DELAYED	1.0	0.2	--
D8014	4-15	207	DELAYED	<0.001	DELAYED	1.3	0.3	--
D8015	4-16	207	DELAYED	<0.001	DELAYED	3.4	0.1	--
D8016	4-17	207	DELAYED	<0.001	DELAYED	0.7	0.1	--
D8017	4-18	207	DELAYED	<0.001	DELAYED	0.7	0.1	--
D8018	4-19	207	DELAYED	<0.001	DELAYED	1.0	0.1	--
D8019	4-20	207	DELAYED	<0.001	DELAYED	1.0	0.2	--
D8020	4-21	207	DELAYED	<0.001	DELAYED	0.3	<0.1	--
D8021	18W	207	DELAYED	<0.001	DELAYED	2.7	0.1	--



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CHEMEX LABS LTD.

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CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 300 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

RECEIVED MAY 17 '82

ATTN: J. McCLINTOCK

CERT. # : A8211008-001-A
INVOICE # : I8211008
DATE : 14-MAY-82
P.O. # : NONE
8301 - VAULT

Sample description	Prep code	As ppm	Hg ppb	Sb ppm			
S-1	201	3	50	0.4	--	--	--
S-2	201	3	40	0.8	--	--	--
S-3	201	2	40	0.8	--	--	--
S-4	201	5	30	0.8	--	--	--
S-5	201	7	50	0.6	--	--	--
S-6	201	4	40	0.2	--	--	--
N-1	201	4	50	0.6	--	--	--
N-2	201	3	40	0.8	--	--	--
N-3	201	2	40	0.4	--	--	--
N-4	201	2	20	0.2	--	--	--
N-5	201	2	30	0.2	--	--	--
N-6	201	5	30	0.4	--	--	--
N-7	201	7	60	0.8	--	--	--
N-8	201	3	40	0.4	--	--	--
N-9	201	2	50	0.4	--	--	--
1-W	201	4	30	0.5	--	--	--
2-W	201	63	50	2.7	--	--	--
3-W	201	3	30	0.3	--	--	--
4-W	201	4	30	0.4	--	--	--
5-W	201	14	30	1.0	--	--	--
6-W	201	83	70	3.4	--	--	--
7-W	201	225	60	13.2	--	--	--
8-W	201	39	70	1.1	--	--	--
9-W	201	35	70	1.2	--	--	--
10-W	201	35	50	1.5	--	--	--
11-W	201	5	40	0.4	--	--	--
12-W	201	9	30	0.6	--	--	--
13-W	201	12	30	0.8	--	--	--
14-W	201	53	50	1.6	--	--	--
15-W	201	325	90	5.6	--	--	--
16-W	201	33	60	1.2	--	--	--
17-W	201	116	100	2.6	--	--	--
1S-10W	201	39	50	3.0	--	--	--
2S-10W	201	35	60	2.8	--	--	--
3S-10W	201	145	60	8.2	--	--	--
4S-10W	201	265	90	17.0	--	--	--
5S-10W	201	135	40	8.6	--	--	--
6S-10W	201	100	60	4.8	--	--	--
7S-10W	201	83	200	3.2	--	--	--
8S-10W	201	9	70	0.2	--	--	--

Certified by .....Lou Jouf.....

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: (604)984-0221
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CERTIFICATE OF ANALYSIS

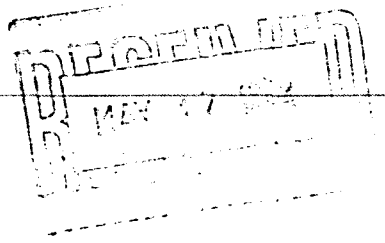
TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211008-002-A
INVOICE # : I8211008
DATE : 14-MAY-82
P.O. # : NONE
8301 - VAULT

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
1N-10W	201	39	100	1.6	--	--	--
2N-10W	201	5	40	0.3	--	--	--
3N-10W	201	3	30	0.2	--	--	--
4N-10W	201	3	30	0.1	--	--	--
5N-10W	201	2	60	0.2	--	--	--
6N-10W	201	2	40	0.2	--	--	--
0S-25W	201	2	40	0.1	--	--	--
1S-25W	201	2	40	0.2	--	--	--
2S-25W	201	2	30	0.2	--	--	--
3S-25W	201	2	30	0.2	--	--	--
4S-25W	201	4	30	0.2	--	--	--
5S-25W	201	5	40	0.2	--	--	--
6S-25W	201	3	40	0.1	--	--	--
1N-25W	201	2	30	0.3	--	--	--
2N-25W	201	3	50	0.5	--	--	--
3N-25W	201	4	50	0.4	--	--	--
4N-25W	201	2	40	0.1	--	--	--
5N-25W	201	3	30	0.6	--	--	--
6N-25W	201	2	30	0.3	--	--	--



Certified by .....Ken Fay.....

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211294-001-A
INVOICE # : I8211294
DATE : 14-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
8001	201	3	60	0.2	--	--	--
8002	201	4	50	0.4	--	--	--
8003	201	4	40	0.2	--	--	--
8004	201	5	30	0.4	--	--	--
8005	201	4	30	0.4	--	--	--
8006	201	4	30	0.4	--	--	--
8007	201	4	30	0.4	--	--	--
8008	201	3	20	0.4	--	--	--
8009	201	3	30	0.4	--	--	--
8010	201	3	40	0.4	--	--	--
8011	201	3	30	0.4	--	--	--
8012	201	3	40	0.4	--	--	--
8013	201	4	40	0.4	--	--	--
8014	201	3	40	0.4	--	--	--
8015	201	3	30	0.4	--	--	--
8016	201	3	30	0.2	--	--	--
8017	201	3	40	0.4	--	--	--
8018	201	5	40	0.6	--	--	--
8019	201	14	50	2.4	--	--	--
8020	201	6	30	0.8	--	--	--
8021	201	225	230	38.0	--	--	--
8022	201	29	40	1.6	--	--	--
8023	201	4	30	0.4	--	--	--
8024	201	4	30	0.4	--	--	--
8025	201	4	30	0.8	--	--	--
8026	201	4	30	0.6	--	--	--
8027	201	4	30	0.8	--	--	--
8028	201	3	30	0.6	--	--	--
8029	201	3	40	0.5	--	--	--
8030	201	3	30	0.4	--	--	--
8031	201	3	30	0.6	--	--	--
8032	201	4	30	0.4	--	--	--
8033	201	4	40	0.4	--	--	--
8034	201	4	40	0.6	--	--	--
8035	201	4	30	0.6	--	--	--
8036	201	4	30	0.8	--	--	--
8037	201	3	30	0.4	--	--	--
8038	201	5	30	0.4	--	--	--
8039	201	5	30	0.6	--	--	--
8040	201	4	30	0.6	--	--	--

Certified by ......Hart Bichler......

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

RECEIVED JUN 15 1982

ATTN: J. McCLINTOCK

CERT. # : A8211294-002-A
INVOICE # : I8211294
DATE : 14-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
8041	201	5	30	0.4	--	--	--
8042	201	4	30	0.6	--	--	--
8043	201	5	30	0.6	--	--	--
8044	201	5	30	0.4	--	--	--
8045	201	6	30	0.6	--	--	--
8046	201	5	30	0.6	--	--	--
8047	201	5	30	0.8	--	--	--
8048	201	5	30	0.6	--	--	--
8049	201	4	40	0.4	--	--	--
8050	201	4	30	0.4	--	--	--
8051	201	5	30	0.4	--	--	--
8052	201	5	30	0.4	--	--	--
8053	201	5	30	0.2	--	--	--
8054	201	3	30	0.4	--	--	--
8055	201	4	30	0.4	--	--	--
8056	201	3	30	0.4	--	--	--
8057	201	4	40	0.2	--	--	--
8058	201	5	30	0.4	--	--	--
8059	201	6	40	0.4	--	--	--
8060	201	5	30	0.4	--	--	--
8061	201	4	30	0.4	--	--	--
8062	201	5	30	0.5	--	--	--
8063	201	6	30	0.2	--	--	--
8064	201	7	30	0.6	--	--	--
8065	201	5	30	0.4	--	--	--
8066	201	5	30	0.4	--	--	--
8067	201	3	30	0.4	--	--	--
8068	201	3	30	0.4	--	--	--
8069	201	3	30	0.4	--	--	--
8070	201	3	30	0.4	--	--	--
8071	201	3	40	0.2	--	--	--
8072	201	2	40	0.2	--	--	--
8073	201	3	30	0.4	--	--	--
8074	201	2	30	0.6	--	--	--
8075	201	3	30	0.6	--	--	--
8076	201	3	30	0.4	--	--	--
8077	201	3	30	0.4	--	--	--
8078	201	2	30	0.4	--	--	--
8079	201	3	30	0.2	--	--	--
8080	201	3	30	0.4	--	--	--

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

RECEIVED
JUN 15 1982

ATTN: J. McCLINTOCK

CERT. # : A8211294-003-A
INVOICE # : I8211294
DATE : 14-JUN-82
P.O. # : NONE
VAULT 3805

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
8081	201	2	40	0.2	--	--	--
8082	201	2	40	0.2	--	--	--
8083	201	2	30	0.4	--	--	--
8084	201	3	30	0.4	--	--	--
8085	201	2	30	0.2	--	--	--
8086	201	3	30	0.4	--	--	--
8087	201	3	30	0.4	--	--	--
8088	201	3	30	0.2	--	--	--
8089	201	3	30	0.4	--	--	--
8090	201	2	30	0.4	--	--	--
8091	201	2	30	0.4	--	--	--
8092	201	2	40	0.4	--	--	--
8093	201	3	40	0.4	--	--	--
8094	201	2	30	0.2	--	--	--
8095	201	3	40	0.4	--	--	--
8096	201	2	30	0.4	--	--	--
8097	201	2	30	0.4	--	--	--
8098	201	2	40	0.4	--	--	--
8099	201	2	40	0.2	--	--	--
8100	201	2	40	0.4	--	--	--
8101	201	2	40	0.4	--	--	--
8102	201	2	40	0.4	--	--	--
8103	201	2	30	0.2	--	--	--
8104	201	2	30	0.2	--	--	--
8105	201	2	40	0.4	--	--	--
8106	201	2	40	0.2	--	--	--
8107	201	2	30	0.4	--	--	--
8108	201	2	20	0.6	--	--	--
8109	201	2	30	0.2	--	--	--
8110	201	3	30	0.4	--	--	--
8111	201	2	30	0.6	--	--	--
8112	201	3	30	0.4	--	--	--
8113	201	3	30	0.6	--	--	--
8114	201	3	30	0.4	--	--	--
8115	201	2	30	0.4	--	--	--
8116	201	3	30	0.4	--	--	--
8117	201	5	30	0.4	--	--	--
8118	201	6	40	0.6	--	--	--
8119	201	7	30	0.6	--	--	--
8120	201	6	30	0.4	--	--	--

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

RECEIVED JUN 15 1982

ATTN: J. McCLINTOCK

CERT. # : A8211294-004-A
INVOICE # : I8211294
DATE : 14-JUN-82
P.O. # : NONE

VAULT 8805

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
8121	201	9	40	0.4	--	--	--
8122	201	6	40	0.4	--	--	--
8123	201	9	50	0.4	--	--	--
8124	201	6	40	0.2	--	--	--
8125	201	6	40	0.4	--	--	--
8126	201	6	50	0.4	--	--	--
8127	201	6	40	0.4	--	--	--
8128	201	13	40	0.8	--	--	--
8129	201	6	40	0.2	--	--	--
8130	201	8	90	0.2	--	--	--
8131	201	9	80	0.1	--	--	--
8132	201	8	70	0.1	--	--	--
8133	201	6	50	0.2	--	--	--
8134	201	6	40	0.2	--	--	--
8135	201	6	40	0.1	--	--	--
8136	201	5	40	0.2	--	--	--
8137	201	8	30	0.1	--	--	--
8138	201	8	30	0.2	--	--	--
8139	201	9	40	0.2	--	--	--
8140	201	5	40	0.6	--	--	--
8141	201	9	30	0.4	--	--	--
8142	201	5	30	0.2	--	--	--
8143	201	4	30	0.1	--	--	--
8144	201	4	30	0.2	--	--	--
8145	201	4	30	0.2	--	--	--
8146	201	5	40	0.1	--	--	--
8147	201	4	40	0.2	--	--	--
8148	201	5	30	0.1	--	--	--
8149	201	4	30	0.2	--	--	--
8150	201	4	30	0.1	--	--	--
8151	201	4	30	0.2	--	--	--
8152	201	5	30	0.2	--	--	--
8153	201	4	30	0.2	--	--	--
8154	201	4	30	0.2	--	--	--
8155	201	5	40	0.4	--	--	--
8156	201	5	40	0.4	--	--	--
8157	201	6	50	0.4	--	--	--
8158	201	4	40	0.2	--	--	--
8159	201	5	40	0.4	--	--	--
8160	201	9	60	0.2	--	--	--

Certified by ...Ian Bichler...

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

RECEIVED
JUN 15 1982

ATTN: J. McCLINTOCK

CERT. # : A8211294-005-A
INVOICE # : I8211294
DATE : 14-JUN-82
P.O. # : NONE
VAULT 8305

Sample description	Prep code	As ppm	Hg ppb	Sb ppm			
8161	201	6	50	0.4	--	--	--
8162	201	4	40	0.4	--	--	--
8163	201	5	40	0.4	--	--	--
8164	201	5	30	0.4	--	--	--
8165	201	5	40	0.2	--	--	--
8166	201	4	40	0.2	--	--	--
8167	201	3	30	0.2	--	--	--
8168	201	3	30	0.4	--	--	--
8169	201	5	50	0.2	--	--	--
8170	201	5	40	0.4	--	--	--
8171	201	5	50	0.2	--	--	--
8172	201	14	50	0.4	--	--	--
8173	201	5	30	0.4	--	--	--
8174	201	6	30	0.4	--	--	--
8175	201	10	30	1.0	--	--	--
8176	201	4	30	0.4	--	--	--
8177	201	4	30	0.4	--	--	--
8178	201	6	30	0.4	--	--	--
8179	201	5	30	0.4	--	--	--
8180	201	5	40	0.6	--	--	--
8181	201	5	30	0.1	--	--	--
8182	201	5	30	0.4	--	--	--
8183	201	4	30	0.4	--	--	--
8184	201	4	20	0.4	--	--	--
8185	201	5	20	0.4	--	--	--
8186	201	4	20	0.4	--	--	--
8187	201	6	30	0.6	--	--	--
8188	201	10	30	1.0	--	--	--
8189	201	4	30	0.8	--	--	--
8190	201	6	40	0.6	--	--	--
8191	201	9	30	0.8	--	--	--
8192	201	20	30	1.0	--	--	--
8193	201	12	30	1.8	--	--	--
8194	201	6	20	0.4	--	--	--
8195	201	6	20	0.4	--	--	--
8196	201	14	30	1.4	--	--	--
8197	201	30	40	2.0	--	--	--
8198	201	15	30	1.2	--	--	--
8199	201	5	40	0.4	--	--	--
8200	201	7	40	0.2	--	--	--

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CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

RECEIVED JUN 15 1982

DEPT. # : A8211294-006-A
INVOICE # : I8211294
DATE : 14-JUN-82
P.O. # : NONE
VAULT 8805

ATTN: J. McCLINTOCK

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
8201	201	7	30	0.6	--	--	--
8202	201	4	30	0.4	--	--	--
8203	201	4	20	0.1	--	--	--
8204	201	5	20	0.4	--	--	--
8205	201	4	20	0.4	--	--	--
8206	201	4	20	0.4	--	--	--
8207	201	4	20	0.2	--	--	--
8208	201	4	30	0.1	--	--	--
8209	201	4	30	0.2	--	--	--
8210	201	4	30	0.4	--	--	--
8211	201	4	20	0.4	--	--	--
8212	201	4	30	0.1	--	--	--
8213	201	5	30	0.2	--	--	--
8214	201	6	30	0.4	--	--	--
8215	201	5	30	0.6	--	--	--
8216	201	4	40	0.6	--	--	--
8217	201	9	30	0.6	--	--	--
8218	201	4	40	0.6	--	--	--
8219	201	6	70	0.1	--	--	--
8220	201	9	50	0.8	--	--	--
8221	201	4	30	0.4	--	--	--
8222	201	3	30	0.4	--	--	--
8223	201	4	30	0.4	--	--	--
8224	201	10	30	1.0	--	--	--
8225	201	4	30	1.4	--	--	--
8226	201	10	30	1.0	--	--	--
8227	201	4	30	0.2	--	--	--
8228	201	4	20	0.2	--	--	--
8229	201	7	30	0.6	--	--	--
8230	201	4	30	0.2	--	--	--
8231	201	7	30	0.8	--	--	--
8232	201	4	20	0.4	--	--	--
8233	201	5	30	0.4	--	--	--
8234	201	4	20	0.4	--	--	--
8235	201	3	20	0.2	--	--	--
8236	201	4	20	0.4	--	--	--
8237	201	4	20	0.4	--	--	--
8238	201	4	30	0.2	--	--	--
8239	201	4	30	0.2	--	--	--
8241	201	5	30	0.6	--	--	--

Certified by ..Ian Bichler...

CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211295-001-A
INVOICE # : I8211295
DATE : 23-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	Ag ppm	AS ppm	Hg ppb	Sb ppm	Au NAA ppb	
8242	201	--	9	30	0.4	--	--
8243	201	--	5	40	0.4	--	--
8244	201	--	5	30	0.2	--	--
8245	201	--	4	30	0.4	--	--
8246	201	--	6	30	0.2	--	--
8247	201	--	3	50	0.4	--	--
8248	201	--	7	40	0.1	--	--
8249	201	--	11	40	0.2	--	--
8250	201	--	9	30	0.1	--	--
8251	201	--	4	30	0.2	--	--
8252	201	--	5	30	0.2	--	--
8253	201	--	3	20	0.4	--	--
8254	201	--	5	30	0.1	--	--
8255	201	--	4	30	0.2	--	--
8256	201	--	6	30	0.2	--	--
8257	201	--	4	30	0.2	--	--
8258	201	--	5	40	0.2	--	--
8259	201	--	5	50	0.1	--	--
8260	201	--	6	30	0.2	--	--
8261	201	--	4	30	0.2	--	--
8262	201	--	4	30	0.4	--	--
8263	201	--	3	30	0.4	--	--
8264	201	--	3	30	0.4	--	--
8265	201	--	4	30	0.2	--	--
8266	201	--	4	50	0.4	--	--
8267	201	--	3	30	0.2	--	--
8268	201	--	4	30	0.1	--	--
8269	201	--	4	40	0.4	--	--
8270	201	--	3	30	0.2	--	--
8271	201	--	3	20	0.4	--	--
8272	201	--	4	20	0.2	--	--
8273	201	--	4	40	0.1	--	--
8274	201	--	6	40	0.1	--	--
8275	201	--	7	30	0.4	--	--
8276	201	--	4	30	0.2	--	--
8277	201	--	4	20	0.2	--	--
8278	201	--	7	50	0.2	--	--
8279	201	--	5	50	0.1	--	--
8280	201	--	5	30	0.2	--	--
8281	201	--	8	30	0.4	--	--

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CHEMEX LABS LTD.

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CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211295-002-A
INVOICE # : I8211295
DATE : 23-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	Ag ppm	AS ppm	Hg ppb	Sb ppm	Au NAA ppb	
8282	201	--	4	50	0.4	--	--
8283	201	--	4	40	0.2	--	--
8284	201	--	4	40	0.4	--	--
8285	201	--	3	40	0.2	--	--
8286	201	--	4	30	0.2	--	--
8287	201	--	4	30	0.2	--	--
8288	201	--	4	40	0.1	--	--
8289	201	--	5	30	0.4	--	--
8290	201	--	4	30	0.2	--	--
8291	201	--	4	30	0.2	--	--
8292	201	--	15	30	0.1	--	--
8293	201	--	4	20	0.2	--	--
8294	201	--	4	20	0.2	--	--
8295	201	--	4	30	0.2	--	--
8296	201	--	4	20	0.6	--	--
8297	201	--	5	40	0.4	--	--
8298	201	--	4	30	0.4	--	--
8299	201	--	6	30	0.6	--	--
8300	201	--	16	40	0.6	--	--
8301	201	--	12	40	0.4	--	--
8302	201	--	4	30	0.4	--	--
8303	201	--	6	40	0.2	--	--
8304	201	--	12	50	0.1	--	--
8305	201	--	5	30	0.2	--	--
8306	201	--	6	40	0.1	--	--
8307	201	--	7	60	0.4	--	--
8308	201	--	11	110	0.2	--	--
8309	201	--	7	60	0.4	--	--
8401	201	--	6	60	0.4	--	--
8402	201	--	5	60	0.4	--	--
8403	201	--	4	50	0.6	--	--
8404	201	--	5	40	0.4	--	--
8405	201	--	5	50	0.6	--	--
8406	201	--	4	40	0.2	--	--
8407	201	--	4	50	0.4	--	--
8408	201	--	4	40	1.8	--	--
8409	201	--	5	50	0.6	--	--
8410	201	--	5	50	0.4	--	--
8411	201	--	4	50	0.1	--	--
8412	201	--	5	50	0.2	--	--

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TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211295-003-A
INVOICE # : I8211295
DATE : 23-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	Ag ppm	AS ppm	Hg ppb	Sb ppm	Au NAA ppb	
8413	201	--	7	70	0.4	--	--
8414	201	--	10	80	0.2	--	--
8415	201	--	4	50	0.2	--	--
8416	201	--	6	60	0.4	--	--
8417	201	--	6	70	0.2	--	--
8418	201	--	5	50	0.1	--	--
8419	201	--	5	50	0.2	--	--
8420	201	--	5	50	0.1	--	--
8425	201	--	6	60	0.2	--	--
8426	201	--	4	60	0.4	--	--
8427	201	--	5	60	0.2	--	--
8428	201	--	4	60	0.1	--	--
8429	201	--	4	60	0.4	--	--
8430	201	--	5	70	0.1	--	--
8431	201	--	5	50	0.2	--	--
8432	201	--	4	40	0.2	--	--
8433	201	--	6	40	0.4	--	--
8434	205	0.8	12	100	2.4	10	--
8435	205	1.2	16	90	1.8	284	--
8436	205	0.8	19	70	1.2	81	--
8437	205	10.6	14	80	1.0	3090	--
8438	201	--	7	60	0.2	--	--
8439	201	--	6	50	0.4	--	--
8440	205	6.6	120	100	2.0	4300	--
8441	205	0.1	15	60	1.0	65	--
8442	205	3.5	7	70	0.8	2770	--
8443	201	--	7	50	0.8	--	--
8444	201	--	4	50	0.6	--	--
8445	201	--	4	40	0.6	--	--
8446	201	--	3	30	0.4	--	--
8447	201	--	4	40	0.2	--	--
8448	201	--	3	30	0.2	--	--
8449	201	--	4	50	0.1	--	--
8450	201	--	3	40	0.4	--	--
8451	201	--	3	40	0.4	--	--
8452	201	--	3	40	0.2	--	--
8453	203	--	3	60	1.2	--	--
8454	205	0.1	4	60	1.4	12	--
8455	201	--	3	30	0.6	--	--
8456	201	--	4	30	0.4	--	--

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211295-004-A
INVOICE # : I8211295
DATE : 23-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	Ag opm	AS ppm	Hg ppb	Sb ppm	Au NAA ppb	
8457	201	--	4	30	0.6	--	--
8458	201	--	3	30	0.4	--	--
8459	201	--	4	40	0.4	--	--
8460	205	0.1	3	40	1.0	54	--
8461	201	--	4	40	0.4	--	--
8462	201	--	3	30	0.6	--	--
8463	205	0.1	3	40	0.4	14	--
8464	201	--	4	50	0.6	--	--
8465	201	--	4	40	0.4	--	--
8466	201	--	4	40	0.4	--	--
8467	201	--	4	40	0.4	--	--
8468	201	--	4	50	0.2	--	--
8469	201	--	6	80	0.4	--	--
8470	205	0.1	5	50	1.0	10	--
8471	201	--	4	40	0.6	--	--
8472	201	--	5	50	0.4	--	--
8473	201	--	4	50	0.6	--	--
8474	201	--	4	50	0.6	--	--
8475	201	--	3	40	0.4	--	--
8476	201	--	4	50	0.4	--	--
8477	205	0.1	4	70	1.0	8	--
8478	201	--	4	50	0.4	--	--
8479	201	--	4	50	0.6	--	--
8480	201	--	3	40	0.2	--	--
8481	201	--	3	40	0.4	--	--
8482	205	0.1	2	40	0.6	8	--
8483	201	--	3	40	0.2	--	--
8484	201	--	9	50	0.6	--	--
8485	201	--	3	30	0.4	--	--
8486	201	--	3	30	0.2	--	--
8487	201	--	3	30	0.2	--	--
8488	201	--	2	30	0.2	--	--
8489	201	--	3	40	0.2	--	--
8490	201	--	4	60	0.1	--	--
8491	201	--	3	50	0.2	--	--
8492	201	--	3	30	0.1	--	--
8493	201	--	3	40	0.2	--	--
8494	201	--	3	40	0.1	--	--
8495	201	--	3	30	0.2	--	--
8496	201	--	4	30	0.1	--	--

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211295-005-A
INVOICE # : I8211295
DATE : 23-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	Ag ppm	AS ppm	Hg ppb	Sb ppm	Au NAA ppb	
8497	201	--	3	50	0.1	--	--
8498	201	--	3	40	0.4	--	--
8499	201	--	4	30	0.2	--	--
8500	201	--	4	30	0.2	--	--
8501	201	--	4	30	0.2	--	--
8502	201	--	4	50	0.1	--	--
8503	201	--	4	30	0.1	--	--
8504	201	--	5	40	0.1	--	--
8505	201	--	6	40	0.4	--	--
8506	201	--	5	30	0.4	--	--
8507	201	--	6	40	0.4	--	--
8508	201	--	6	40	0.2	--	--
8509	201	--	6	50	0.2	--	--
8510	201	--	5	50	0.4	--	--
8511	201	--	5	40	0.1	--	--
8512	201	--	5	30	0.4	--	--
8513	201	--	5	40	0.2	--	--
8514	201	--	6	70	0.4	--	--
8515	201	--	5	30	0.2	--	--
8516	201	--	5	30	0.2	--	--
8517	201	--	5	30	0.1	--	--
8518	201	--	5	30	0.4	--	--
8519	201	--	6	30	0.4	--	--
8520	201	--	5	30	0.4	--	--
8521	201	--	6	30	0.6	--	--
8522	201	--	4	30	1.4	--	--
8523	201	--	5	50	0.4	--	--
8524	201	--	4	40	0.4	--	--
8525	205	0.1	6	130	1.4	32	--
8526	201	--	4	50	0.8	--	--
8527	201	--	4	40	0.4	--	--
8528	201	--	4	40	0.2	--	--
8529	201	--	4	40	0.8	--	--
8530	201	--	4	40	0.2	--	--
8531	201	--	5	30	0.6	--	--
8532	201	--	4	40	1.4	--	--
8533	201	--	4	30	1.0	--	--
8534	201	--	6	50	1.4	--	--
8535	201	--	6	50	1.2	--	--
8536	201	--	4	40	0.6	--	--

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TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

CERT. # : A8211295-006-A
INVOICE # : I8211295
DATE : 23-JUN-82
P.O. # : NONE
VAULT 8805

ATTN: J. McCLINTOCK

Sample description	Prep code	Ag ppm	AS ppm	Hg ppb	Sb ppm	Au NAA ppb	
8537	201	--	5	40	1.4	--	--
8538	201	--	6	40	1.0	--	--
8539	201	--	5	40	0.8	--	--
8540	201	--	4	30	0.2	--	--
8541	201	--	4	30	0.4	--	--
8542	201	--	5	40	0.4	--	--
8543	201	--	4	40	0.2	--	--
8544	201	--	3	40	0.2	--	--
8545	201	--	3	40	0.2	--	--
8546	201	--	4	40	0.6	--	--
8547	203	--	5	70	1.4	--	--
8548	205	0.1	4	70	1.0	10	--
8549	201	--	4	40	1.0	--	--
8550	201	--	3	40	0.4	--	--
8551	201	--	3	50	0.2	--	--
8552	201	--	4	40	0.4	--	--
8553	201	--	4	40	0.2	--	--
8554	201	--	4	40	0.1	--	--
8555	201	--	3	30	0.1	--	--
8556	201	--	4	40	0.4	--	--
8557	201	--	3	40	0.6	--	--
8558	201	--	3	40	0.4	--	--
8559	201	--	3	40	0.4	--	--
8560	201	--	3	30	0.4	--	--
8561	201	--	3	30	0.1	--	--
8562	201	--	3	40	0.2	--	--
8563	201	--	3	40	0.2	--	--
8564	201	--	4	30	0.6	--	--
8565	201	--	4	40	0.2	--	--
8566	201	--	4	40	0.6	--	--
8567	201	--	5	40	1.0	--	--
8569	201	--	5	40	1.2	--	--
8570	201	--	6	40	1.4	--	--
8571	201	--	4	40	0.8	--	--
8572	201	--	5	40	0.6	--	--
8573	201	--	[illegible]	50	0.6	--	--
8574	201	--	4	40	0.4	--	--
8575	201	--	[illegible]	50	0.2	--	--
8576	201	--	[illegible]	50	0.6	--	--
8577	205	0.2	[illegible]	60	0.4	8	--

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TELEPHONE: (604) 984-0221
TELEX: 043-52597

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211296-001-A
INVOICE # : I8211296
DATE : 22-JUN-82
P.O. # : NONE
VAULT 8805

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Sample description	Prep code	Ag ppm	As ppm	Hg ppb	Sb ppm	Au NAA ppb	
8578	201	--	5	40	1.4	--	--
8579	201	--	4	50	1.0	--	--
8580	201	--	5	50	1.8	--	--
8581	205	0.1	6	70	1.4	8	--
8582	201	--	5	30	0.8	--	--
8583	201	--	4	30	0.2	--	--
8584	201	--	4	30	0.2	--	--
8586	201	--	4	30	0.1	--	--
8587	205	0.1	3	30	0.2	75	--
8588	201	--	4	30	0.1	--	--
8589	205	0.1	4	40	0.2	16	--
8590	201	--	4	30	0.2	--	--
8591	205	0.1	4	30	0.2	8	--
8592	201	--	4	30	0.2	--	--
8593	201	--	4	30	0.1	--	--
8594	201	--	4	30	0.2	--	--
8595	205	0.1	4	40	0.1	7	--
8596	201	--	4	30	0.1	--	--
8598	201	--	4	30	0.2	--	--
8600	201	--	5	30	0.1	--	--
8601	201	--	5	30	0.2	--	--
8602	201	--	3	30	0.2	--	--
8603	201	--	4	30	0.2	--	--
8604	201	--	4	30	0.1	--	--
8605	201	--	5	30	0.1	--	--
8606	201	--	4	40	0.2	--	--
8607	201	--	5	40	0.2	--	--
8608	201	--	5	40	0.2	--	--
8609	201	--	6	50	0.4	--	--
8610	201	--	6	40	0.6	--	--
8611	201	--	6	40	0.8	--	--
8612	201	--	5	40	1.4	--	--
8613	205	0.1	5	30	0.4	8	--
8614	201	--	6	50	0.4	--	--
8615	201	--	7	60	0.6	--	--
8616	205	0.1	4	50	0.8	8	--
8617	201	--	11	40	0.4	--	--
8618	201	--	29	50	0.2	--	--
8619	205	0.1	120	60	6.2	13	--
8620	205	0.2	145	50	6.4	22	--

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211296-002-A
INVOICE # : I8211296
DATE : 22-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	Ag ppm	As ppm	Hg ppb	Sb ppm	Au NAA ppb	
8621	205	0.3	245	100	32.0	141	--
8622	205	0.2	300	120	15.0	53	--
8623	205	0.2	170	80	4.2	21	--
8624	201	--	12	40	0.8	--	--
8625	201	--	6	40	0.4	--	--
8626	201	--	19	40	0.6	--	--
8627	201	--	4	40	0.1	--	--
8628	201	--	4	30	0.2	--	--
8629	201	--	4	30	0.1	--	--
8630	201	--	4	30	0.1	--	--
8631	201	--	4	40	0.1	--	--
8632	201	--	4	40	0.1	--	--
8633	201	--	4	30	0.2	--	--
8634	201	--	5	40	0.1	--	--
8635	201	--	4	40	0.1	--	--
8636	205	0.6	24	120	2.0	40	--
8637	205	0.3	19	50	1.6	13	--
8638	205	0.1	17	50	1.4	25	--
8639	201	--	6	40	0.4	--	--
8640	201	--	4	30	0.2	--	--
8641	201	--	5	40	0.2	--	--
8642	201	--	5	40	0.1	--	--
8643	201	--	4	40	0.2	--	--
8644	201	--	4	40	0.2	--	--
8645	201	--	4	40	0.1	--	--
8646	201	--	4	40	0.2	--	--
8647	201	--	4	40	0.2	--	--
8648	201	--	4	50	0.2	--	--
8649	201	--	3	30	0.2	--	--
8650	201	--	6	40	0.4	--	--
8651	201	--	4	40	0.2	--	--
8652	201	--	7	50	0.2	--	--
8653	201	--	3	30	0.2	--	--
8654	201	--	5	40	0.4	--	--
8655	205	0.1	12	40	2.6	10	--
8656	201	--	9	50	0.4	--	--
8657	205	0.1	33	60	3.4	9	--
8658	201	--	5	40	0.1	--	--
8659	201	--	4	40	0.4	--	--
8660	201	--	5	50	0.2	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211296-003-A
INVOICE # : I8211296
DATE : 22-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	Ag ppm	AS ppm	Hg ppb	Sb ppm	Au NAA ppb	
8661	205	0.1	27	70	1.4	11	--
8662	205	0.1	4	40	0.6	8	--
8663	201	--	7	50	0.2	--	--
8664	201	--	3	30	0.1	--	--
8665	201	--	3	30	0.2	--	--
8666	201	--	3	30	0.2	--	--
8667	201	--	10	30	0.1	--	--
8668	201	--	4	40	0.2	--	--
8675	201	--	3	40	0.2	--	--
8676	201	--	3	30	0.2	--	--
8678	201	--	3	30	0.2	--	--
8679	201	--	5	30	0.2	--	--
8680	205	0.1	3	30	0.1	9	--
8681	201	--	4	40	0.1	--	--
8682	201	--	3	40	0.1	--	--
8683	201	--	4	40	0.2	--	--
8684	201	--	3	40	0.2	--	--
8685	201	--	3	30	0.2	--	--
8686	201	--	3	30	0.2	--	--
8687	201	--	3	30	0.4	--	--
8688	201	--	3	30	0.2	--	--
8689	201	--	3	30	0.2	--	--
8690	201	--	3	30	0.2	--	--
8691	201	--	3	30	0.1	--	--
8692	201	--	3	30	0.2	--	--
8693	201	--	3	30	0.4	--	--
8694	201	--	3	30	0.4	--	--
8695	201	--	3	30	0.6	--	--
8696	205	0.1	3	30	0.4	8	--
8697	201	--	4	30	0.6	--	--
8698	201	--	3	30	0.2	--	--
8700	201	--	4	30	0.4	--	--
8701	201	0.1	4	30	1.0	7	--
8702	205	--	5	30	0.4	--	--
8703	201	--	4	30	0.2	--	--
8704	201	--	3	40	0.2	--	--
8705	201	--	4	30	0.4	--	--
8706	201	--	3	30	0.4	--	--
8708	201	--	3	40	0.2	--	--
8709	205	0.1	3	40	0.4	7	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211296-004-A
INVOICE # : I8211296
DATE : 22-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	Ag ppm	AS ppm	Hg ppb	Sb ppm	Au NAA ppb	
8710	205	0.1	3	40	0.4	11	--
8711	201	--	4	40	0.4	--	--
8712	201	--	4	30	0.2	--	--
8713	201	--	5	40	0.2	--	--
8801	201	--	5	30	0.2	--	--
8802	201	--	4	30	0.6	--	--
8803	201	--	5	30	0.4	--	--
8804	201	--	4	30	0.2	--	--
8805	201	--	3	30	0.2	--	--
8806	201	--	3	30	0.1	--	--
8807	201	--	4	30	0.2	--	--
8808	201	--	3	30	0.2	--	--
8809	201	--	4	30	0.2	--	--
8810	201	--	3	30	0.4	--	--
8811	201	--	4	30	0.4	--	--
8812	201	--	4	40	0.2	--	--
8813	201	--	5	30	0.4	--	--
8814	201	--	6	30	0.4	--	--
8815	201	--	4	30	0.2	--	--
8816	201	--	4	30	0.6	--	--
8817	201	--	2	30	0.4	--	--
8818	201	--	4	30	0.6	--	--
8819	201	--	4	30	0.4	--	--
8820	201	--	4	20	0.4	--	--
8821	201	--	4	20	0.4	--	--
8822	201	--	5	30	0.4	--	--
8823	201	--	4	40	0.2	--	--
8824	201	--	4	40	0.4	--	--
8825	201	--	3	40	0.2	--	--
8826 A	201	--	4	40	0.2	--	--
8826 B	201	--	4	40	0.6	--	--
8827	201	--	3	40	0.4	--	--
8828	201	--	3	50	0.2	--	--
8829	201	--	3	40	0.4	--	--
8830	201	--	3	30	0.2	--	--
8831	201	--	19	30	0.4	--	--
8832	201	--	4	40	0.2	--	--
8833	201	--	4	30	0.4	--	--
8834	201	--	4	40	0.2	--	--
8835	201	--	6	40	0.6	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
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CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211296-005-A
INVOICE # : I8211296
DATE : 22-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	Ag ppm	As ppm	Hg ppb	Sb ppm	Au NAA ppb	
8836	201	--	4	70	0.4	--	--
8837	201	--	5	60	1.0	--	--
8838	201	--	4	50	0.6	--	--
8839	201	--	4	60	0.2	--	--
8840	201	--	4	50	0.4	--	--
8841	201	--	4	50	0.2	--	--
8842	201	--	5	50	0.2	--	--
8843	201	--	4	50	0.2	--	--
8844	201	--	4	50	0.2	--	--
8845	201	--	3	40	0.4	--	--
8846	201	--	3	50	0.4	--	--
8847	201	--	3	40	0.2	--	--
8848	201	--	4	40	0.4	--	--
8849	201	--	4	40	0.4	--	--
8850	201	--	3	50	0.4	--	--
8851	201	--	4	50	0.2	--	--
8852	201	--	3	30	0.4	--	--
8853	201	--	4	40	0.2	--	--
8854	201	--	4	40	0.4	--	--
8855	201	--	3	40	0.2	--	--
8856	201	--	3	30	0.2	--	--
8857	201	--	4	50	0.1	--	--
8858	201	--	4	40	0.2	--	--
8859	201	--	4	40	0.4	--	--
8860	201	--	4	40	0.6	--	--
8861	201	--	4	40	0.4	--	--
8862	201	--	3	40	0.4	--	--
8863	201	--	4	30	0.6	--	--
8864	201	--	3	30	0.6	--	--
8865	201	--	3	30	0.2	--	--
8866	201	--	4	40	0.4	--	--
8867	201	--	4	40	0.2	--	--
8868	201	--	3	30	0.2	--	--
8869	201	--	4	30	0.2	--	--
8870	201	--	4	40	0.6	--	--
8871	201	--	4	40	0.4	--	--
8872	201	--	4	40	0.8	--	--
8873	201	--	4	40	0.4	--	--
8874	201	--	4	40	0.8	--	--
8875	201	--	4	40	0.6	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211295-006-A
INVOICE # : I8211296
DATE : 22-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	Ag ppm	As ppm	Hg ppb	Sb ppm	Au NAA ppb	
8876	201	--	4	50	0.6	--	--
8877	201	--	4	50	0.4	--	--
8878	201	--	4	40	0.2	--	--
8879	201	--	4	40	0.6	--	--
8880	201	--	3	40	0.6	--	--
8881	201	--	4	30	0.4	--	--
8882	201	--	4	30	0.6	--	--
8883	201	--	3	40	0.6	--	--
8884	201	--	3	30	0.6	--	--
8885	201	--	3	40	0.4	--	--
8886	201	--	3	30	0.2	--	--
8887	201	--	4	30	0.4	--	--
8888	201	--	4	40	0.4	--	--
8889	201	--	4	30	0.6	--	--
8890	201	--	4	30	0.6	--	--
8891	201	--	3	40	0.4	--	--
8892	201	--	4	40	0.4	--	--
8893	201	--	4	40	0.4	--	--
8894	201	--	4	40	0.4	--	--
8895	201	--	5	40	0.2	--	--
8896	201	--	5	40	0.4	--	--
8897	201	--	5	40	0.8	--	--
8898	201	--	5	40	0.6	--	--
8899	201	--	5	60	0.6	--	--
8900	201	--	5	40	0.4	--	--
* 8901	201	--	4	40	0.6	--	--
8902	201	--	5	40	0.6	--	--
8903	201	--	4	30	0.4	--	--
8904	201	--	5	40	0.8	--	--
8905	201	--	4	70	0.6	--	--
8906	201	--	5	50	0.8	--	--
8907	201	--	5	40	0.6	--	--
8908	201	--	5	40	0.8	--	--
8909	201	--	6	50	1.2	--	--
8910	201	--	5	40	1.0	--	--
8911	201	--	4	40	1.0	--	--
8912	201	--	5	40	1.0	--	--
8913	201	--	5	50	0.4	--	--
8914	201	--	5	70	0.4	--	--

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CHEMEX LABS I

OOKSBANK AVE.
VANCOUVER, B.C.
A V7J 2C1
ONE: (604) 984-0221
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Plotted July 16/82

CERTIFICATE OF ANALYS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

JUN 22 1982

CERT. # : A8211293-001-A
INVOICE # : I8211293
DATE : 18-JUN-82
P.O. # : NONE
VAULT 8805

ATTN: J. McCLINTOCK

Sample description	Prep code	Ag ppm	AS ppm	Hg ppb	Sb ppm	Au NAA ppb	
8651	205	0.5	11	60	1.8	21	--
8652	205	0.1	9	50	1.0	7	--
8653	205	0.2	11	40	1.2	7	--
8701	205	0.1	4	40	1.6	8	--
8702	205	0.1	4	30	1.8	8	--
8703	205	0.1	3	30	1.2	8	--
8704	205	0.1	4	30	2.0	9	--
8751	205	0.1	4	20	0.8	8	--
8752	205	0.1	4	30	0.8	9	--
8753	205	0.1	100	70	9.6	24	--
8754	205	0.1	4	50	1.0	7	--
8755	205	0.1	73	100	6.8	26	--
8756	205	0.1	73	160	15.2	10	--
8757	205	0.1	73	160	12.0	13	--
8801	205	0.1	180	100	13.8	250	--
8802	205	0.8	120	110	13.8	125	--
8803	205	0.1	365	130	19.2	55	--
8804	205	0.3	160	90	12.8	82	--
8805	205	0.1	355	80	10.4	33	--
8806	205	0.1	145	80	9.6	25	--
8807	205	0.1	>1000	320	29.0	49	--
8808	205	0.1	94	1000	69.0	60	--
8901	205	0.2	69	60	3.8	144	--
8902	205	1.0	115	60	7.6	138	--
8903	205	0.6	315	50	12.6	100	--
8904	205	0.6	450	50	27.0	101	--
8905	205	0.8	285	200	49.0	154	--
8906	205	0.1	275	120	7.4	60	--
8907	205	0.4	395	170	7.2	79	--
8908	205	0.2	335	100	14.6	52	--
8909	205	0.4	505	180	21.0	120	--
8910	205	0.1	12	50	1.0	8	--

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2

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211297-001-A
INVOICE # : I8211297
DATE : 21-JUN-82
P.O. # : NONE
VAULT 8805

RECEIVED JUN 22 1982

Sample description	Prep code	As ppm	Hg ppb	Sb ppm			
8915	201	4	70	0.4	--	--	--
8916	201	4	60	0.4	--	--	--
8916 1ST E	201	4	40	0.2	--	--	--
8917	201	4	30	0.1	--	--	--
8917 1ST E	201	4	30	0.2	--	--	--
8918	201	4	50	0.2	--	--	--
8918 1ST E	201	5	30	0.2	--	--	--
8919	201	4	30	0.4	--	--	--
8920	201	4	40	0.4	--	--	--
8921	201	7	40	1.0	--	--	--
8922	201	11	50	0.6	--	--	--
8923	201	5	50	0.6	--	--	--
8924	201	7	50	0.2	--	--	--
8925	201	5	40	0.4	--	--	--
8926	201	5	40	0.6	--	--	--
8927	201	5	50	0.4	--	--	--
8928	201	5	70	0.6	--	--	--
8929	201	6	120	0.6	--	--	--
8930	201	4	110	0.4	--	--	--
8931	201	5	120	0.2	--	--	--
8932	201	7	90	0.4	--	--	--
8933	201	7	180	0.8	--	--	--
8934	201	12	100	0.4	--	--	--
8935	203	92	60	6.8	--	--	--
8936	201	175	60	12.2	--	--	--
8937	201	265	80	18.4	--	--	--
8938	201	230	120	23.0	--	--	--
8939	201	12	50	1.4	--	--	--
8940	201	6	40	0.6	--	--	--
8941	201	36	50	1.8	--	--	--
8942	201	39	50	2.8	--	--	--
8943	201	32	50	3.0	--	--	--
8944	201	29	40	1.2	--	--	--
8945 A	201	67	40	4.8	--	--	--
8945 B	201	113	70	14.2	--	--	--
8946	201	77	70	9.4	--	--	--
8947	201	16	80	4.4	--	--	--
8948	201	5	70	2.8	--	--	--
8949	201	5	40	0.2	--	--	--
8950	201	10	40	0.4	--	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

RECEIVED
JUN 22 1982

ATTN: J. McCLINTOCK

CERT. # : A8211297-002-A
INVOICE # : I8211297
DATE : 21-JUN-82
P.O. # : NONE
VAULT 3805

Sample description	Prep code	AS opm	Hg ppb	Sb ppm			
8951	201	12	50	0.1	--	--	--
8952	201	9	50	0.1	--	--	--
8953	201	10	50	0.1	--	--	--
8954	201	7	40	0.1	--	--	--
8955	201	6	30	0.8	--	--	--
8956	201	5	40	0.6	--	--	--
8957	201	6	40	0.8	--	--	--
8958	201	5	50	0.6	--	--	--
8959	201	5	40	0.6	--	--	--
8960	201	4	30	0.8	--	--	--
8961	201	6	60	0.4	--	--	--
8962	201	4	40	0.6	--	--	--
8963	201	4	40	0.6	--	--	--
8964	201	4	40	0.8	--	--	--
8965	201	4	40	0.4	--	--	--
8966	201	4	40	0.6	--	--	--
8967	201	4	40	0.4	--	--	--
8968	201	4	40	0.4	--	--	--
8969	201	5	40	0.6	--	--	--
8970	201	5	40	0.6	--	--	--
8971	201	5	40	0.4	--	--	--
8972	201	4	40	0.4	--	--	--
8973	201	6	30	0.4	--	--	--
8974	201	4	30	0.4	--	--	--
8975	201	6	30	0.4	--	--	--
8976	201	5	40	0.4	--	--	--
8977	201	6	30	0.4	--	--	--
8978	201	14	30	1.0	--	--	--
8979	201	10	30	0.8	--	--	--
8980	201	30	40	2.0	--	--	--
8981	201	14	40	1.0	--	--	--
8982	201	9	30	0.4	--	--	--
8983	201	6	40	0.8	--	--	--
8984	201	7	40	0.8	--	--	--
8985	201	6	30	0.6	--	--	--
8986	201	6	50	0.8	--	--	--
8987	201	5	40	0.6	--	--	--
8988	201	3	40	0.4	--	--	--
8989	201	3	40	0.8	--	--	--
8990	201	4	40	0.6	--	--	--

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CTA MEMBER CANADIAN TESTING ASSOCIATION

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8211297-003-A
INVOICE # : I8211297
DATE : 21-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
8991	201	2	40	0.6	--	--	--
8992	201	4	70	0.6	--	--	--
8993	201	2	50	0.4	--	--	--
8994	201	2	30	0.6	--	--	--
8995	201	3	40	0.2	--	--	--
8996	201	3	50	0.2	--	--	--
8997	201	3	40	0.4	--	--	--
8998	201	3	30	0.4	--	--	--
8999	201	2	30	0.4	--	--	--
9000	201	4	40	0.4	--	--	--
9001	201	2	40	0.2	--	--	--
9002	201	2	40	0.1	--	--	--
9003	201	3	30	0.2	--	--	--
9004	201	3	30	0.4	--	--	--
9005	201	3	30	0.2	--	--	--
9006	201	5	40	0.6	--	--	--
9007	201	10	50	0.6	--	--	--
9008	201	5	40	0.4	--	--	--
9009	201	5	40	0.6	--	--	--
9010	201	6	40	0.8	--	--	--
9011	201	6	40	0.6	--	--	--
9012	201	3	30	0.6	--	--	--
9013	201	3	40	0.4	--	--	--
9014	201	5	50	0.4	--	--	--
9015	201	4	60	0.8	--	--	--
9017	201	3	40	0.4	--	--	--
9018	201	4	30	0.8	--	--	--
9019	201	5	40	0.6	--	--	--
9020	201	3	40	0.4	--	--	--
9021	201	5	40	0.6	--	--	--
9022	201	5	40	0.4	--	--	--
9023	201	5	50	0.4	--	--	--
9024	201	5	50	0.6	--	--	--
9025	201	5	60	0.4	--	--	--
9026	201	6	90	0.6	--	--	--
9027	201	15	50	1.8	--	--	--
9028	201	6	30	0.4	--	--	--
9029	201	7	40	0.6	--	--	--
9030	201	6	40	0.4	--	--	--
9031	201	4	40	0.4	--	--	--

Certified by Hart Bichler

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CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

RECEIVED
JUN 22 82

ATTN: J. McCLINTOCK

CERT. # : A8211297-004-A
INVOICE # : I8211297
DATE : 21-JUN-82
P.O. # : NONE
VAULT 8305

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
9032	201	4	60	0.4	--	--	--
9033	201	4	60	0.6	--	--	--
9034	201	6	60	0.6	--	--	--
9035	201	4	60	0.4	--	--	--
9036	201	3	40	0.4	--	--	--
9037	201	3	40	0.4	--	--	--
9038	201	4	30	0.4	--	--	--
9039	201	5	50	0.4	--	--	--
9040	201	5	50	0.2	--	--	--
9041	201	4	30	0.4	--	--	--
9042	201	4	50	0.4	--	--	--
9043	201	5	40	0.4	--	--	--
9044	201	5	40	0.4	--	--	--
9045	201	5	50	0.4	--	--	--
9046	201	5	50	0.4	--	--	--
9047	201	4	50	0.1	--	--	--
9048	201	5	60	0.4	--	--	--
9049	201	13	80	1.2	--	--	--
9050	201	5	60	0.1	--	--	--
9051	201	4	50	0.6	--	--	--
9052	201	7	40	0.4	--	--	--
9053	201	6	60	0.4	--	--	--
9054	201	6	40	0.6	--	--	--
9055	201	17	60	1.0	--	--	--
9056	201	9	40	0.6	--	--	--
9057	201	9	60	0.4	--	--	--
9058	201	6	50	0.4	--	--	--
9059	201	6	40	0.4	--	--	--
9060	201	5	50	0.4	--	--	--
9061	201	6	50	0.4	--	--	--
9062	201	6	40	0.2	--	--	--
9063	201	14	60	0.4	--	--	--
9064	201	6	40	0.4	--	--	--
9065	201	4	40	0.2	--	--	--
9066	201	5	50	0.2	--	--	--
9067	201	4	60	0.2	--	--	--
9068	201	4	50	0.4	--	--	--
9069	201	4	30	0.4	--	--	--
9070	201	6	50	0.1	--	--	--
9071	201	4	60	0.1	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Stan Richter

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

RECEIVED JUN 22 1982

ATTN: J. McCLINTOCK

CERT. # : A8211297-005-A
INVOICE # : I8211297
DATE : 21-JUN-82
P.O. # : NONE
VAULT 3305

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
9072	201	5	50	0.2	--	--	--
9073	201	4	50	0.2	--	--	--
9074	201	4	50	0.4	--	--	--
9075	201	4	40	0.2	--	--	--
9076	201	4	50	0.4	--	--	--
9077 A	201	5	50	0.4	--	--	--
9077 B	201	7	30	0.4	--	--	--
9078 A	201	5	50	0.8	--	--	--
9078 B	201	5	40	0.4	--	--	--
9079	201	5	60	0.8	--	--	--
9080	201	4	30	0.2	--	--	--
9081	201	4	30	0.4	--	--	--
9082	201	4	40	0.4	--	--	--
9083	201	4	40	0.4	--	--	--
9084	201	23	100	1.4	--	--	--
9085	201	43	110	2.8	--	--	--
9086	201	6	50	0.4	--	--	--
9087	201	5	40	0.6	--	--	--
9088	201	9	50	0.4	--	--	--
9089	201	33	90	2.2	--	--	--
9090	201	45	150	3.2	--	--	--
9091	201	10	50	0.8	--	--	--
9092	201	16	50	1.2	--	--	--
9093	201	29	40	1.4	--	--	--
9094	201	7	30	0.8	--	--	--
9095	201	7	40	0.4	--	--	--
9097	201	6	40	0.4	--	--	--
9099	201	14	40	0.8	--	--	--
9100	201	36	70	2.0	--	--	--
9400	201	4	30	0.4	--	--	--
9401	201	4	40	0.4	--	--	--
9402	201	3	40	0.4	--	--	--
9403	201	4	30	0.2	--	--	--
9404	201	4	40	0.4	--	--	--
9405	201	3	30	0.4	--	--	--
9406	201	3	30	0.4	--	--	--
9407	201	3	40	0.4	--	--	--
9408	201	4	40	0.4	--	--	--
9409	201	3	50	0.4	--	--	--
9410	201	4	50	0.4	--	--	--

CTA MEMBER CANADIAN TESTING ASSOCIATION

Certified by Stuart Bichler

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STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

RECEIVED JUN 22 1982

ATTN: J. McCLINTOCK

CERT. # : A8211297-006-A
INVOICE # : I8211297
DATE : 21-JUN-82
P.O. # : NONE
VAULT 8805

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
9411	201	3	30	0.6	--	--	--
9412	201	3	40	0.4	--	--	--
9413	201	5	30	0.6	--	--	--
9414	201	4	40	0.6	--	--	--
9415	201	4	30	0.2	--	--	--
9416	201	4	30	0.2	--	--	--
9417	201	4	30	0.1	--	--	--
9418	201	3	40	0.1	--	--	--
9419	201	3	50	0.1	--	--	--
9420	201	3	50	0.2	--	--	--
9421	201	3	40	0.2	--	--	--
9422	201	3	30	0.1	--	--	--
9423	201	4	40	0.1	--	--	--
9424	201	4	30	0.2	--	--	--
9425	201	4	30	0.1	--	--	--
9426	201	4	40	0.1	--	--	--
9427	201	4	50	0.1	--	--	--
9428	201	4	40	0.1	--	--	--
9429	201	3	60	0.1	--	--	--
9430	201	3	50	0.2	--	--	--
9431	201	3	70	0.1	--	--	--
9432	201	3	50	0.1	--	--	--
9433	201	4	50	0.4	--	--	--
9434	201	3	40	0.2	--	--	--
9435	201	3	40	0.1	--	--	--
9436	201	3	60	0.6	--	--	--
9437	201	4	50	0.2	--	--	--
9438	201	4	60	0.8	--	--	--
9439	201	4	50	0.8	--	--	--

Certified by Hart Bichler

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604) 984-0221
TELEX: 043-52597

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CERTIFICATE OF ASSAY

TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: J. McCLINTOCK

CERT. # : A8214491-001-A
INVOICE # : I8214491
DATE : 1-DEC-82
P.O. # : NONE
8805

Sample description	Prep code	Ag AA g/tonne	Au g/tonne				
8105	207	<0.3	<0.1	--	--	--	--
8106	207	1.0	<0.1	--	--	--	--
8107	207	1.0	<0.1	--	--	--	--
8108	207	1.0	<0.1	--	--	--	--
8109	207	0.3	<0.1	--	--	--	--
8110	207	0.5	<0.1	--	--	--	--
8111	207	0.5	<0.1	--	--	--	--
8112	207	0.5	<0.1	--	--	--	--
8113	207	0.5	<0.1	--	--	--	--
8114	207	1.7	<0.1	--	--	--	--
8115	207	0.5	<0.1	--	--	--	--
8116	207	0.8	<0.1	--	--	--	--
8117	207	0.5	<0.1	--	--	--	--
8118	207	0.8	<0.1	--	--	--	--
8119	207	0.5	<0.1	--	--	--	--
8120	207	1.0	<0.1	--	--	--	--
8121	207	2.5	<0.1	--	--	--	--
8122	207	2.8	1.3	--	--	--	--
8123	207	6.0	0.9	--	--	--	--
8124	207	6.0	0.7	--	--	--	--
8125	207	4.1	1.3	--	--	--	--
12351	207	32.5	3.8	--	--	--	--
12352	207	1.3	<0.1	--	--	--	--
12353	207	1.3	<0.1	--	--	--	--
12354	207	8.0	2.2	--	--	--	--
12355	207	0.5	<0.1	--	--	--	--
12356	207	1.9	0.2	--	--	--	--
12357	207	1.7	0.1	--	--	--	--
12358	207	<0.3	<0.1	--	--	--	--
12359	207	0.5	<0.1	--	--	--	--
12360	207	0.3	<0.1	--	--	--	--
12361	207	0.3	<0.1	--	--	--	--
12362	207	0.3	<0.1	--	--	--	--
12363	207	0.5	<0.1	--	--	--	--
12364	207	0.5	<0.1	--	--	--	--
12365	207	0.5	<0.1	--	--	--	--
12366	207	0.5	<0.1	--	--	--	--
12367	207	0.5	<0.1	--	--	--	--
2368	207	<0.3	<0.1	--	--	--	--

Registered Assayer, Province of British Columbia

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: I. McCLINTOCK

CERT. # : A8214598-001-A
INVOICE # : I8214598
DATE : 9-DEC-82
P.O. # : NONE
VAULT

Sample description	Prep code	Ag AA g/tonne	Au g/tonne				
8151	207	1.3	<0.1	--	--	--	--
8152	207	1.0	<0.1	--	--	--	--
8153	207	0.3	<0.1	--	--	--	--
8154	207	0.3	<0.1	--	--	--	--
8155	207	0.5	<0.1	--	--	--	--
8156	207	0.5	<0.1	--	--	--	--
8157	207	0.5	0.1	--	--	--	--
8158	207	<0.3	<0.1	--	--	--	--
8159	207	<0.3	<0.1	--	--	--	--
8160	207	0.3	<0.1	--	--	--	--
8161	207	1.0	0.1	--	--	--	--
8162	207	0.8	0.1	--	--	--	--
8163	207	0.5	0.1	--	--	--	--
8164	207	0.8	0.1	--	--	--	--
8165	207	1.0	0.1	--	--	--	--
8166	207	1.0	0.2	--	--	--	--
8167	207	1.7	0.2	--	--	--	--
8168	207	1.3	0.2	--	--	--	--
8169	207	1.3	0.3	--	--	--	--
8170	207	2.3	0.3	--	--	--	--
8171	207	1.7	0.3	--	--	--	--
8172	207	3.3	0.5	--	--	--	--
8173	207	3.9	0.7	--	--	--	--
8174	207	4.1	0.9	--	--	--	--
8175	207	6.3	0.9	--	--	--	--
8176	207	3.3	0.6	--	--	--	--
8177	207	2.8	0.5	--	--	--	--
8178	207	3.3	0.5	--	--	--	--
8179	207	3.3	0.9	--	--	--	--
8180	207	0.8	<0.1	--	--	--	--
8181	207	38.0	0.1	--	--	--	--
8182	207	5.0	<0.1	--	--	--	--
8183	207	2.3	0.2	--	--	--	--
8184	207	1.3	<0.1	--	--	--	--
8185	207	0.3	<0.1	--	--	--	--
8186	207	0.5	<0.1	--	--	--	--
8187	207	3.5	<0.1	--	--	--	--
8188	207	0.5	<0.1	--	--	--	--
8189	207	0.5	<0.1	--	--	--	--
8190	207	0.3	<0.1	--	--	--	--

R. Edwards

Registered Assayer, Province of British Columbia

CHEMEX LABS LTD.

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CANADA V7J 2C1

TELEPHONE: (604) 984 0221
TELEX: 043-52597

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TO : RIOCANEX INCORPORATED

STE. 520 - 800 W. PENDER STREET
VANCOUVER, B.C.
V6C 2V6

ATTN: I. McCLINTOCK

CERT. # : A8214593-002-A
INVOICE # : I8214593
DATE : 9-DEC-82
P.O. # : NONE
VAULT

Sample description	Prep code	Ag AA g/tonne	Au g/tonne				
3191	207	0.8	<0.1	--	--	--	--
3192	207	0.5	<0.1	--	--	--	--
3193	207	<0.3	<0.1	--	--	--	--
3194	207	<0.3	<0.1	--	--	--	--
3195	207	0.5	<0.1	--	--	--	--
3196	207	<0.3	<0.1	--	--	--	--
3197	207	0.5	<0.1	--	--	--	--
3198	207	0.5	<0.1	--	--	--	--
3199	207	0.3	<0.1	--	--	--	--
3200	207	0.5	<0.1	--	--	--	--
3201	207	<0.3	<0.1	--	--	--	--
3202	207	<0.3	<0.1	--	--	--	--
3203	207	<0.3	<0.1	--	--	--	--
3204	207	2.3	0.1	--	--	--	--
3205	207	<0.3	<0.1	--	--	--	--
3206	207	<0.3	<0.1	--	--	--	--
3207	207	<0.3	<0.1	--	--	--	--
3208	207	<0.3	<0.1	--	--	--	--
3209	207	1.9	0.1	--	--	--	--
3210	207	0.5	0.1	--	--	--	--
3211	207	1.0	0.1	--	--	--	--
3212	207	1.7	0.2	--	--	--	--
3213	207	1.7	0.3	--	--	--	--
3214	207	3.3	0.4	--	--	--	--
3215	207	2.3	0.2	--	--	--	--

Registered Assayer, Province of British Columbia

APPENDIX III

COST STATEMENT
VAULT CLAIMS

GEOLOGY, GEOCHEMISTRY & DRILLING

May 1982 through December 1982

GENERAL COSTS

Food and Accommodations	
2 men, May 4 & 5, 2 man days @ $29.43/day	58.86
1 man, May 30-June 1, 3 man days @ $29.43/day	88.29
4 men, May 29-June 4, 28 man days @ $29.43/day	824.04
1 man, Nov.13-Nov.15, 3 man days @ $29.43/day	88.29
1 man, Nov.9-Nov.18, 10 man days @ $29.43/day	294.30
Fixed Wing	
PWA 4 trips Van/Penticton return @$151.20/trip	604.80
Freight	
Motorways Trucking	56.00
Report Preparation	
7 days @ $95.00/day	665.00
Drafting	
Exclusive Drafting	685.85
Riocanex Inc. 20 days @$65/day	1300.00
Riocanex Equipment	
51 man days @ $3.00/man day	153.00
Truck 45 days @ $15.00/day	675.00
Car Rentals	
Tilden	67.84
TOTAL GENERAL COSTS	$5,561.27

GEOCHEMISTRY COSTS

Salaries and Wages

E. Alionis, 9 days @ $70.00	630.00
J. Nicholson, 7 days @ $50.00	350.00
A. Gibbs, 7 days @ $50.00	350.00
S. Brown, 7 days @ $50.00	350.00

Benefits

At 20 Percent	336.00

Geochemical Analyses

Chemex Labs

59 Soil Samples analyzed for As,Hg,Sb @$12.60/sample	743.40
908 Soil Samples analyzed for As,Hg,Sb @$11.10/sample	10,078.80
21 Rock Samples assayed for Ag,As,Au, Hg,Sb @ $39.50/sample	829.50
72 Rock Samples assayed for Ag,Au, geochem for As,Hg,Sb @ $20.90/sample	1,504.80
15 Rock Samples assayed for Ag,Au @ $18.75/sample	281.25

General Costs

6/10 of $5,561.27	3,336.76

TOTAL GEOCHEMISTRY COSTS $18,790.51

PERCUSSION DRILLING COSTS

Salaries and Wages	
J. McClintock, 5 days @ $95.00/day	475.00
D. Okamoto, 10 days @ $65.00/day	650.00
Benefits	
At 20 Percent	225.00
Drilling Costs	
L. Spence Percussion Drilling 900 ft @ $6.00	5,400.00
Mobilization and Demobilization	1,000.00
Assaying	
86 samples Ag, Au @$19.75/sample	1,698.50
General Costs	
3/10 of $5,561.27	1,668.38
	11,116.88

GEOLOGY COSTS

Salaries and Wages	
J. McClintock, 4 days @ $95.00/day	380.00
Benefits	
At 20 Percent	76.00
General Costs	
1/10 of $5,561.27	556.13
TOTAL GEOLOGY COSTS	1,012.13
TOTAL COST GEOCHEMISTRY, GEOLOGY, DRILLING	$30,919.52

APPENDIX IV

STATEMENT OF QUALIFICATIONS

1) I am a geologist residing at 32841 Ashley Way, Clearbrook, B.C. and am currently employed by Riocanex Inc. of Suite 520-800 West Pender Street, Vancouver, B.C.

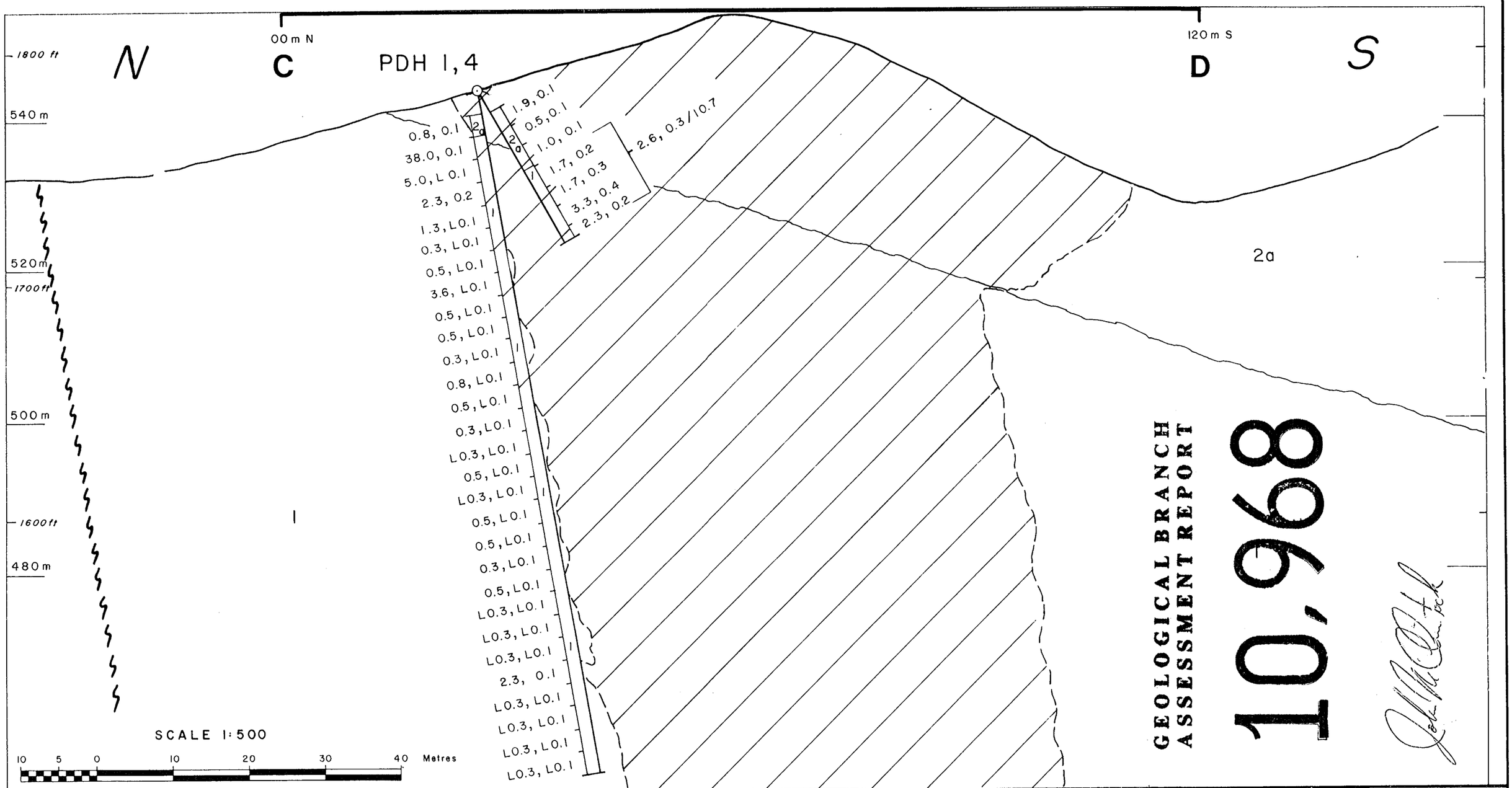
2) I graduated from the University of British Columbia in May 1973, with a B.Sc. (Honours) degree in Geology and have practised by profession continuously since that time.

3) I am currently an active member in good standing of the Association of Professional Engineers of the Province of British Columbia.

4) I supervised the 1982 geological, geochemical and drilling field work carried out on the Vault Claims.

RIOCANEX INC.

John A. McClintock, P. Eng.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,968

L E G E N D

EOCENE

2 MARAMA FORMATION

2b Rhyodacite flows

2a Sandstone, grits

Unconformity

1 MARRON FORMATION

1 Trachy-andesite flows

Silicification

Fault

Geological Contact, assumed

Outcrop

PDH 2 Percussion Drill Hole

2.8, 0.5/3 Ag g/t, Au g/t / metres

RIO TINTO CANADIAN EXPLORATION LTD.

VAULT OPTION

SECTION 060 m E

LOOKING EAST

DATE	DRAWN BY	DWG.
DEC. 1982	JAM / dag	D 6764

L 00 E
L 100 E
L 200 E
L 300 E
L 00 N
A
B
C
D
PDH 4 -57°
PDH 1 -82°
PDH 2
PDH 3
2a
2b
30
40

LEGEND

EOCENE
2 MARAMA FORMATION
2b Rhyodacite flows
2a Sandstone, grits
Unconformity
1 MARRON FORMATION
1 Trachy-andesite flows

Silicification
Fault
Geological Contact, assumed
Outcrop
PDH 2 ● Percussion Drill Hole Location
C — D Section

NTS 82 E/5E
SCALE 1:500
10 5 0 10 20 30 40 Metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT
10,968

RIO TINTO CANADIAN EXPLORATION LTD.

VAULT OPTION

GEOLOGY AND DRILL SITE LOCATION

DATE	DRAWN BY	DWG.
DECEMBER 1982	J A Mc/dag	D 7624

W

E

A

00 m E

B

300 m E

1900 ft
560 m
1800 ft
540 m
520 m
1700 ft
500 m
1600 ft
480 m
460 m
1500 ft
440 m
1400 ft
420 m

PDH 1 -82°@150°

PDH 2 -90°
(20 m S. of Sect.)

PDH 3 -90°

PDH 4 -57°@ 215°

2.6, 0.3/10.7
1.9, 0.1
0.5, 0.1
1.0, 0.1
1.7, 0.2
1.7, 0.3
3.3, 0.4
2.3, 0.2
23 m

0.8, L0.1
38.0, 0.1
5.0, L0.1
2.3, 0.2
1.3, L0.1
0.3, L0.1
0.5, L0.1
3.6, L0.1
0.5, L0.1
0.5, L0.1
0.3, L0.1
0.8, L0.1
0.5, L0.1
0.3, L0.1
L0.3, L0.1
0.5, L0.1
L0.3, L0.1
0.5, L0.1
0.5, L0.1
0.2, L0.1
0.5, L0.1
L0.3, L0.1
L0.3, L0.1
L0.3, L0.1
2.3, 0.1
L0.3, L0.1
L0.3, L0.1
L0.3, L0.1
L0.3 L0.1
91 m

1.3, L0.1
1.0, L0.1
0.3, L0.1
0.3, L0.1
0.5, L0.1
0.5, L0.1
0.5, L0.1
L0.3, L0.1
L0.3, L0.1
0.3, L0.1
1.0, 0.1
0.8, 0.1
0.5, 0.1
0.8, 0.1
1.0, 0.1
1.0, 0.2
1.7, 0.2
1.3, 0.2
1.3, 0.3
2.3, 0.3
1.7, 0.3
3.3, 0.5
3.9, 0.7
4.1, 0.9
6.3 0.9
3.3, 0.6
2.8, 0.5
3.3, 0.5
3.3, 0.9
3.8, 0.7/21.3
91 m

L0.3, L0.1
1.0, L0.1
1.0, L0.1
1.0, L0.1
0.3, L0.1
0.5, L0.1
0.5, L0.1
0.5, L0.1
0.5, L0.1
1.7, L0.1
0.5, L0.1
0.8, L0.1
0.5, L0.1
0.8, L0.1
0.5, L0.1
1.0, L0.1
2.5, L0.1
2.8, 1.3
6.0, 0.9
6.0, 0.7
4.1, 1.3
4.7, 1.0/12.0
67 m

1
2a
2b

L E G E N D

EOCENE

2 MARAMA FORMATION
2b Rhyodacite flows
2a Sandstone, grits
Unconformity
1 MARRON FORMATION
1 Trachy-andesite flows

Silicification
Fault
Geological Contact, assumed
Outcrop
PDH 2 — Percussion Drill Hole
2.8, 0.5/3 — Ag g/t, Au g/t / metres

NTS 82 E/5 E
SCALE 1:500

10 5 0 10 20 30 40 Metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,968

RIO TINTO CANADIAN EXPLORATION LTD.

VAULT OPTION

LONGITUDINAL SECTION 030 m S

DATE	DRAWN BY	DWG.
DECEMBER 1982	JAMc/dag	D 7625

LEGEND

Middle EOCENE to Upper EOCENE

2 MARAMA FORMATION

2b Light grey coloured massive rhyodacite flows with minor interbedded tuffs and breccias

2a Sandstone, grnts grading upwards into rhyodacite tuffs. Generally recessive weathering, except where silicified

unconformity

1 MARRON FORMATION

Trachy-andesite agglomerates and flows, typically glomaroporphyritic with clots of >5mm feldspar in a fine felsic ground muss

Chalcedonic quartz veining

Silicification, massive replacement, chalcedonic stockworks

Fault

Geological contact

Outcrop

Symbols

90 Strike and Dip

✳ 6.6, 4.3 Grab sample from talus, assay results Ag g/t, Au g/t

• 2.7, 0.1 Outcrop sample, assay results Ag g/t, Au g/t

3 m chip samples, assay results Ag g/t, Au g/t

PDH2 ⊙ Percussion drill hole (1982)

Claim Line

Contour Interval 100 Feet

N.T.S. 82E/5E

SCALE 1:2000

50 0 50 100 150 Metres

GEOLOGICAL BRANCH ASSESSMENT REPORT

10,968

RIO TINTO CANADIAN EXPLORATION LTD.

VAULT OPTION

GEOLOGY AND ROCK SAMPLE RESULTS

Ag / Au

DATE	DRAWN BY	DWG
DEC 1982	J.A.M. / e.d.s.	G-8006

VAULT 5

VAULT 2

VAULT 1

BASELINE

BASELINE

LCB

-500 N

-500 S

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,968

LEGEND

As ≥ 15 ppm

Hg ≥ 60 ppm

Sb ≥ 1.4 ppm

RO2,144,69,60,3.8 Rock Sample: ppm Ag, ppb Au, ppm As, ppb Hg, ppm Sb

8416 / 8600 ppm As, Hg, Sb

Claim Line

Contour Interval 100 Feet

NTS 82F/5E

SCALE 1:2000

50 0 50 100 150 Metres

RIO TINTO CANADIAN EXPLORATION LTD.

VAULT CLAIM

GEOCHEMISTRY

DATE	DRAWN BY	DWG.
JULY 1982	JAM/dcg	G - 8007