GEOCHEMICAL ASSESSMENT REPORT

1988 Work Program

BROKEN HILL GOLD-SILVER PROPERTY

Sebring Creek, Lillooet Mining Division
Jay 1-8 Mineral Claims, Record No's: 3748-3755

Mapsheet 92J 16W
Lat: 50 47 N/ Long: 122 17 W.

for:

HERA RESOURCES INC.

Suite 231, 5411 - 208th Ave.,
Langley, B.C.
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by:

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Consulting Geologist

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May 30, 1989.

GEOCHEMICAL ASSESSMENT REPORT
1988 Work Program

BROKEN HILL GOLD-SILVER PROPERTY
Sebring Creek, Lillooet Mining Division

SUMMARY

From August 27 to Sept 2, 1988 a field program of mapping and soil sampling was done by the writer on the Jay 1-8 claims situated at the head of Sebring Crrek, approximately 3 km. north of Carpenter Lake, near its east end, 28 km west of Lillooet. The claims, originally staked by prospector J.Butula in 1987 are now owned by Hera Resources Inc., Ste. 231, 5411 - 208th Avenue, Langley, B.C. This report is a brief summary of the more important aspects of the property.

At the mouth of Sebring Creek, an old trail leads to the property, at about 4500 feet elevation in the steep canyon at higher elevations, but the property is most easily reached by helicopter from Lillooet, B.C. A cat road constructed by Kerr Addison Mines to the adjacent property ends about 2 km from the Broken Hill prospect.

The Broken Hill prospect was first staked about 1913 by Captain Evan Evans-Atkinson, who built a pack trail from Bridge River to the property, constructed a bunkhouse and completed the two adits, the Upper and Lower tunnels in a rusty, sheared and copper stained rhyolitic dyke. From 1915 to 1980 little work was done, aside from periodic restaking. In 1971, Helgena Silver Mines Ltd. acquired the property. In 1981, the property was owned by Goldbridge Development Ltd., who sampled the adits. In 1983, the property was optioned by G.Polischuk to Quinto Mining Ltd. and M.G.Price, geologist for Queenstake Resources supervised grid preparation, geochemical soil and rock sampling, geological mapping, and underground chip sampling, with total expenditures of $18,011.39. In 1987, the property was restaked by J.Butula and optioned by Hera Resources Inc.

The property is situated at the south end of the Shulaps Range, an area of rugged topography and complex geology bounded on the east by the Yalakom Fault zone and on the west by various fault strands related to the Marshall Creek and Tyaughton Creek faults. To the east of the property, a large intrusive mass called the "Mission Ridge Pluton" is of Tertiary age. To the north, a large mass of ultramafic intrusive rocks comprise the "Shulaps Intrusion". On the property, metasediments and volcanics of Paleozoic age ,the "Bridge River Group" include ribbon cherts, phyllites, limestones, and basaltic volcanics cut by serpentinized ultramafic lenses along major fault zones, and a series of rhyolitic to granitic porphyry dykes of probable Tertiary age, related to the Mission Ridge intrusion.

The original exploration work concentrated on silicified mineralized zones in rhyolitic bodies, which are shattered and pyritized, with rusty to yellowish oxidation products and copper stain. Attention to the property was drawn by assays reported from 1913 of " 5 to 24 oz/ton silver, 1 to 5.2 % copper, and from 30 cents to $9.60 in gold (at 1913 price of $20.67 per oz.)."

Additional high silver assays reported by Goldbridge developments in the two adits of 6.34 oz/ton Ag over 23 feet in the Upper Adit and 6.30 oz/ton Ag over 36 feet in the lower adit were not substantiated by the detailed sampling work done by Queenstake Resources.

Prior to 1988, little or no attention had been paid to the potential for gold in silicified and carbonatized zones in serpentinized ultramafic bodies along strands of the Marshall Creek Fault Zone, which crosses the property.

Work done under the writers supervision in 1988 included remapping and check sampling of the two adits, reflagging and extension of the grid, further soil and rock sampling, and three short VLF traverses. A total of 461 soil samples were taken and analyzed by ICP methods by Vangeochem Laoratories Ltd. Work was done from August 27 to Sept 2, and the geochemical report was completed May 30, 1989. The work, which totalled at least $18,000., will enable assessment work to be filed for at least 6 years with the approval of this report.

Geochemical sampling indicated a large polymetallic anomaly corresponding to the outcrop pattern and downhill dispersion from the shattered and mineralized rhyolite. However, rock sampling from the best looking mineralization in the adits confirms that although high grade mineralization is present in places, overall grades are less than 0.25 oz/ton silver and generally less than 0.005 oz/ton gold. Apart from the known mineralized zones, several interesting polymetallic anomalies are present on the south side of Sebring Creek, likely also associated with rhyolitic rocks. Other weak to moderate gold/silver anomalies should be followed up.

The most promising mineralization was seen in an area of silicified and carbonatized serpentine in a strong fault structure 50 to 100 meters below, (southwest of) the lower adit. Soil samples here are anomalous, (35 - 280 ppb), along with other elements Cu,Pb,Zn,As,Bi, and the ultramafic suite Cr, Co, Ni, and Mg. The best rock samples assayed 0.018 oz/ton and 0.020 oz/ton gold, which suggests that trenching should be done at this locality.

At the shattered rhyolite pits near camp, (sample BHP 23), gold is also strongly anomalous, (0.022 oz/ton), suggesting that the intersection of the Marshall Creek fault with the altered rhyolite dykes may hold potential for large low grade gold deposits.

Reccommendations are made for further exploration of these targets, with a suggested budget of $21,000 for Stage 1 during the 1989 exploration season.

respectfully submitted

Barry J.Price, M.Sc. FGAC.
Consulting Geologist
May 30, 1989.

GEOCHEMICAL ASSESSMENT REPORT
BROKEN HILL GOLD-SILVER PROPERTY
Carpenter Lake, Lillooet Mining Division

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BROKEN HILL GOLD-SILVER PROPERTY
Carpenter Lake, Lillooet Mining Division

Mapsheet 92J 16W
Lat: 50 47 N/ Long: 122 17 W.

INTRODUCTION:

In June 1988, the writer was asked by David Hjerpe, President of Hera Resources Inc., to review geological data concerning the "Broken Hill" gold-silver prospect in the Shulaps Range near Lillooet, B.C. From August 27 to Sept 2, 1988 a field program of mapping and soil sampling was done under my supervision. This report is a brief summary of the more important aspects of the property.

LOCATION AND ACCESS:

The property is situated at the head of Sebring Crrek, approximately 3 km. north of Carpenter Lake, near its east end, 28 km west of Lillooet. The Goldbridge-Bralorne highway parallels the lakeshore here providing access to the mouth of Sebring Creek, where an old trail to the property is reported to start. The property is most easily reached by helicopter from Lillooet, B.C. A cat road constructed by Kerr Addison Mines to the adjacent property ends about 2 km from the Broken Hill prospect.

Terraine on the property, mostly above 4500 ft elevation, is very steep, and access is difficult along cliffs adjacent to the creek canyon. However, a good horse-trail permits access to much of the property. The only suitable camping spot, near the helipad is 450 meters from water, which is limited at dry times (late August and September).

Transportation was provided by Cariboo Chilcotin Helicopters Ltd., in Lillooet. Camping gear was transported to a staging area near the Mission damsite.

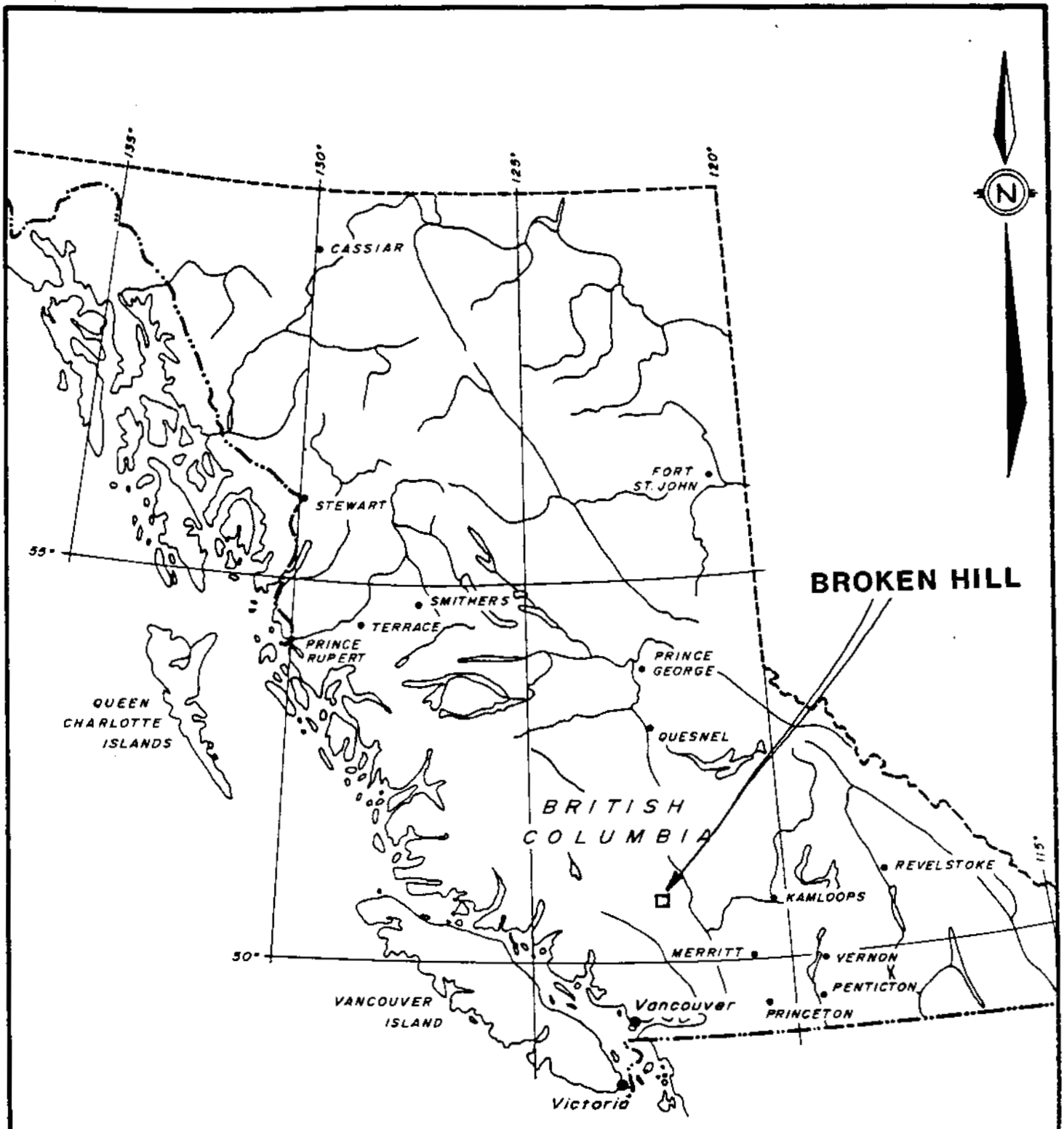
CLAIMS:

The property comprises the Pola (Modified Grid) claim of 20 units partly overlapping 8 2-post claims, Jay 1-8, Record Numbers 3748-3755, all owned by prospector Jacob Butula, and optioned to Hera Resources Inc. The writer inspected most of the Two-Post claim-posts, and these are staked according to the Mineral Act. The claims are illustrated in Figure 3.

With the work program described in this report and applied to the claims the Jay 1-8 claims will be in good standing for a number of years. The Pola claim has been allowed to lapse.

HISTORY:

The Broken Hill prospect was staked about 1913 by Captain Evan Evans-Atkinson, who built a pack trail from Bridge River to the property, built a bunkhouse and completed the No.1 tunnel (Upper Tunnel). Six claims were held; the McLeod, Mineral Wonder, Silver Standard, Standard N.1, Standard No. 2, and Golden Boulder claims.



HERA RESOURCES INC.

BROKEN HILL PROSPECT

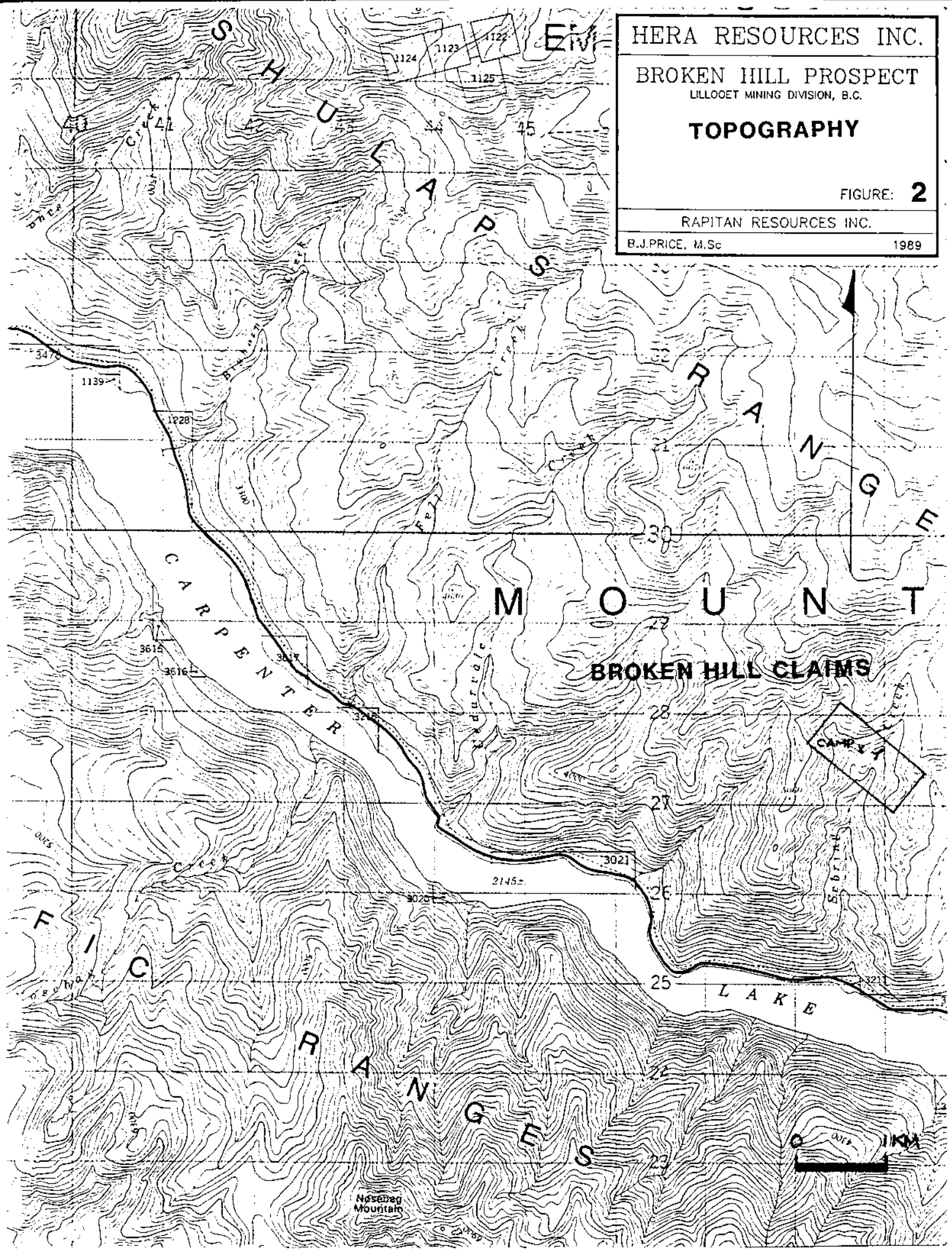
LILLOOET MINING DIVISION, B.C.

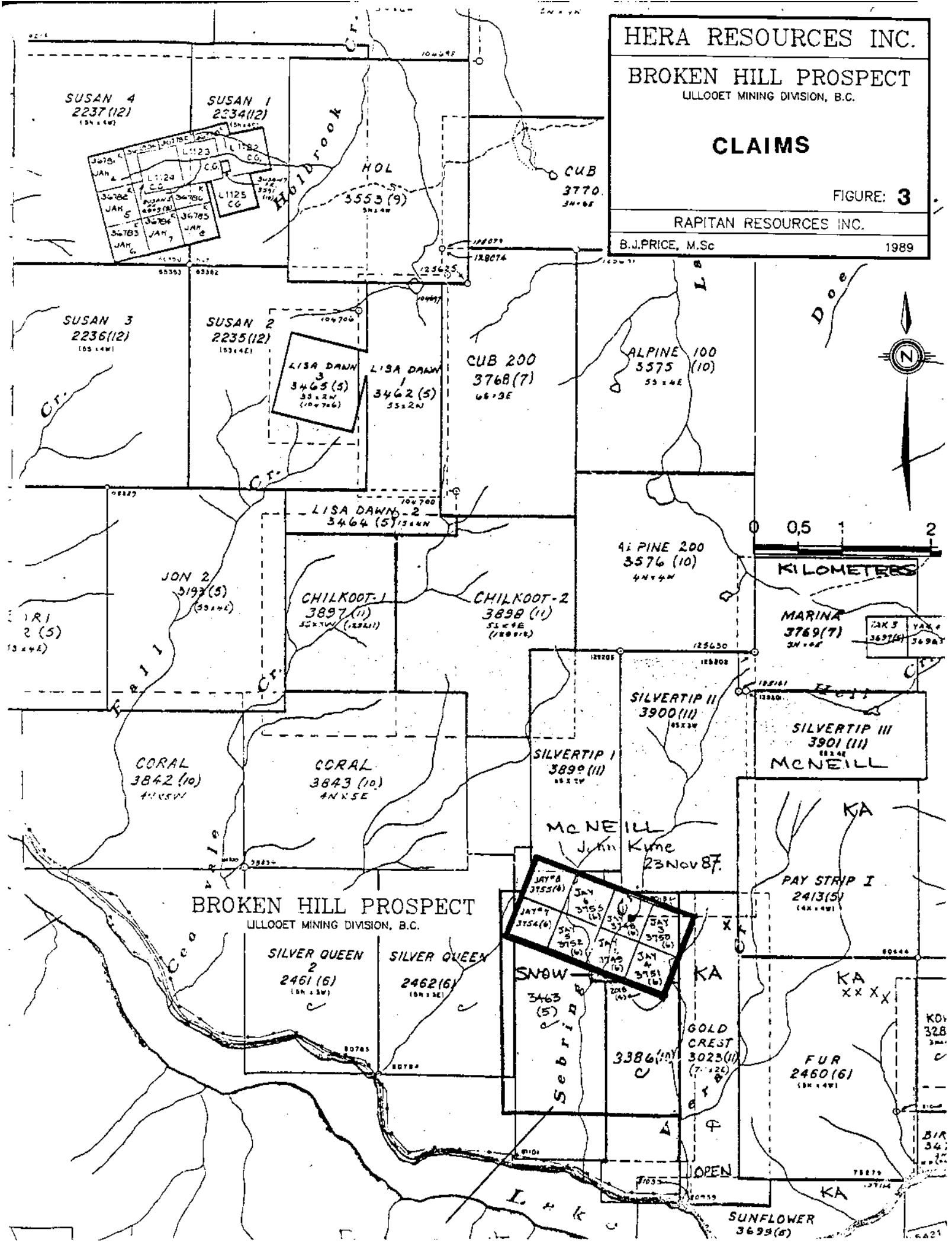
LOCATION MAP

FIGURE: **1**

RAPITAN RESOURCES INC.

B.J.PRICE, M.Sc 1989


HERA RESOURCES INC.
BROKEN HILL PROSPECT
LILLOOET MINING DIVISION, B.C.
TOPOGRAPHY
FIGURE: 2
RAPITAN RESOURCES INC.
B.J.PRICE, M.Sc 1989
SHULAPS RANGE
MOUNT
BROKEN HILL CLAIMS
CAMP
CARPENTER
LAKE
FICKLE RANGES
Noseberg Mountain
0 1KM


HERA RESOURCES INC.
BROKEN HILL PROSPECT
ULLOOET MINING DIVISION, B.C.
CLAIMS
FIGURE: 3
RAPITAN RESOURCES INC.
B.J.PRICE, M.Sc
1989
SUSAN 4
2237(12)
SUSAN 1
2234(12)
SUSAN 3
2236(12)
SUSAN 2
2235(12)
HOL
3553 (9)
CUB
3770
CUB 200
3768(7)
ALPINE 100
3575 (10)
LISA DAWN 3
3465 (5)
LISA DAWN 1
3462 (5)
LISA DAWN-2
3464 (5)
PINE 200
3576 (10)
JON 2
3193(5)
CHILKOOT-1
3897(11)
CHILKOOT-2
3898 (11)
MARINA
3769(7)
SILVERTIP II
3900(11)
SILVERTIP III
3901 (11)
McNEILL
SILVERTIP I
3899(11)
CORAL
3842 (10)
CORAL
3843 (10)
McNEILL
John Kyme
23Nov87.
PAY STRIP I
2413(5)
SILVER QUEEN 2
2461 (6)
SILVER QUEEN
2462(6)
SNOW
3463
(5)
3386(10)
GOLD CREST
3023(11)
FUR
2460(6)
SUNFLOWER
3699(8)
OPEN
KA
0 0,5 1 2
KILOMETRES
BROKEN HILL PROSPECT
ULLOOET MINING DIVISION, B.C.

Assays reported from 1913 were 5 to 24 oz/ton silver, 1 to 5.2 % copper, and from 30 cents to $9.60 in gold (at 1913 price of $20.67 per oz.).

In 1914, the Lower tunnel was started, on the west side of Sebring Creek, a few hundred feet downstream from the upper tunnel. A raise was completed to the surface.

In 1915, the Lower tunnel was extended, with crosscuts, making a total of 780 feet of tunnelling completed. The main zone (described in 1915 as a vein) was 104 feet wide, with values up to $28 per ton in copper, gold, and silver. Apparently little was done on the property after 1915.

The property has undoubtedly been staked a number of times since 1915, but the most recent period of work dates from 1971, when Helgena Silver Mines Ltd. acquired the property. (Report by A.R.Allen, available from property files in Victoria).

In 1981, the property was owned by Goldbridge Development Ltd., who systematically sampled the adits and obtained the following results:

Upper Adit	6.34 oz/ton Ag over 23 feet 4.00 oz ton Ag over 40 feet.
Lower Adit	6.30 oz/ton Ag over 36 feet 2.28 oz/ton Ag over 186 feet.

In 1983, the property was optioned to Quinto Mining Ltd. and a property inspection was done by M.G.Price, geologist for Queenstake Resources. Twenty three rock chip samples were taken from the two adits, open cuts and surface outcrops. Later in 1983, a work program was completed by Queenstake Resources Ltd., including a baseline 3.6 km long, with short crosslines at 200 meter intervals totalling 3.82 km. From the grid, 205 soil samples were taken and analyzed for Copper, Lead, Zinc, Gold, and Silver by Acme Analytical Laboratories. Preliminary geological mapping was also done.

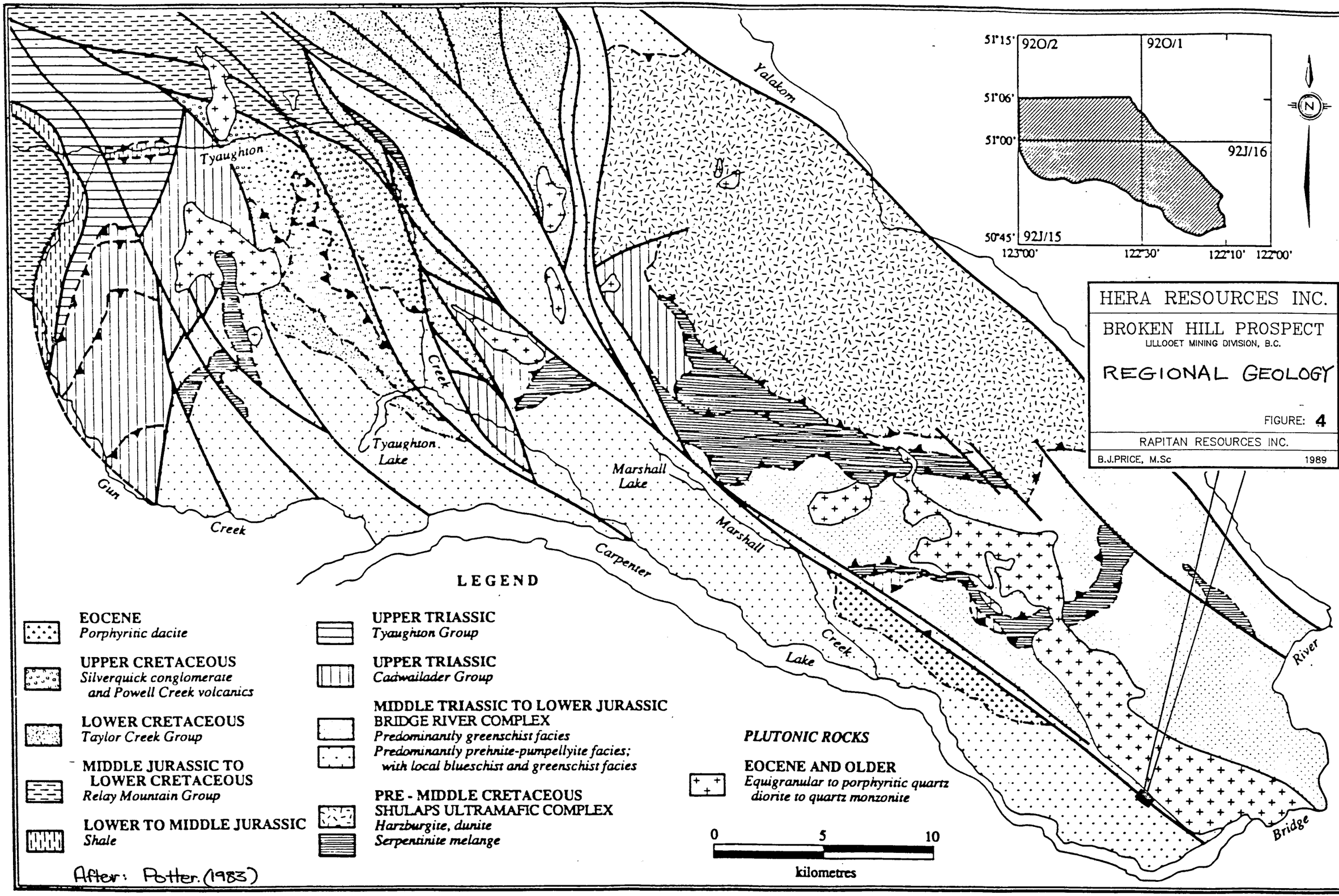
Total expenditures in 1983 were $18,011.39.

In 1987, following a claim dispute between J.Butula and G.Polischuk, the property was regained by Butula, and in July 1988 the property was optioned by Hera Resources Inc.

REGIONAL GEOLOGY:

The property is situated at the south end of the Shulaps Range, an area of rugged topography and complex geology bounded on the east by the Yalakom Fault zone and on the west by various fault strands related to the Tyaughton Creek fault. To the east of the property, a large intrusive mass called the "Mission Ridge Pluton" is of Tertiary age. To the north, a large mass of ultramafic intrusive rocks comprise the "Shulaps Intrusion".

In this fault bounded slice, the oldest rocks are metasediments and volcanics of Paleozoic age variously referred to as the "Bridge River Group" or the "Ferguson Group", including ribbon cherts, phyllites,


Yalakom
Tyaughton
Creek
Tyaughton Lake
Marshall Lake
Gun
Creek
Carpenter
Marshall
Creek
Lake
River
Bridge
51°15'
51°06'
51°00'
50°45'
123°00'
122°30'
122°10'
122°00'
92O/2
92O/1
92J/16
92J/15
N
LEGEND
EOCENE
Porphyritic dacite
UPPER CRETACEOUS
Silverquick conglomerate and Powell Creek volcanics
LOWER CRETACEOUS
Taylor Creek Group
MIDDLE JURASSIC TO LOWER CRETACEOUS
Relay Mountain Group
LOWER TO MIDDLE JURASSIC
Shale
UPPER TRIASSIC
Tyaughton Group
UPPER TRIASSIC
Cadwallader Group
MIDDLE TRIASSIC TO LOWER JURASSIC
BRIDGE RIVER COMPLEX
Predominantly greenschist facies
Predominantly prehnite-pumpellyite facies; with local blueschist and greenschist facies
PRE - MIDDLE CRETACEOUS
SHULAPS ULTRAMAFIC COMPLEX
Harzburgite, dunite
Serpentinite melange
PLUTONIC ROCKS
EOCENE AND OLDER
Equigranular to porphyritic quartz diorite to quartz monzonite
0
5
10
kilometres
After: Potter. (1983)
HERA RESOURCES INC.
BROKEN HILL PROSPECT
LILLOOET MINING DIVISION, B.C.
REGIONAL GEOLOGY
FIGURE: 4
RAPITAN RESOURCES INC.
B.J.PRICE, M.Sc
1989

strongly chlorized schistose volcanics and limy tuffs and limestone beds. These are cut by felsic dykes of Tertiary age that may be equivalent to the "Rexmount Porphyries". These appear to be of two distinct types - rhyolitic sills and aplitic dykes and/or sills, and both are probably phases of the Mission Hill pluton.

Regional geology is shown in Figure 4, which is a compilation of all mappinmg in the area prior to 1973. Adjacent mapsheets are now being remapped by the Geological Survey Branch of the Ministry of Energy, Mines and Petroleum Resources.

MINERAL DEPOSITS IN THE AREA:

A large number of mineral deposits occur in the mapsheet; these are of several distinct types and are described briefly below:

Bralorne-Pioneer Mines:

The most significant mineral deposits in the mapsheet were mined as the Bralorne and Pioneer mines. Between 1899 and 1971, the Bralorne Mine produced 2.8 million oz of gold from 5.5 million tons of ore, and the Pioneer Mine produced 1.3 million oz gold from 2.7 million tons of ore.

Gold is present in quartz veins cutting a variety of rocks including Bridge River Group, "Soda Granite", Serpentinites and Bralorne Diorite.

Reserves are stated to be 1,037,538 tons at 0.27 oz/ton gold. The property is currently being explored by Corona Corp.

Spokane Property:

At the Spokane property, situated 10 km northwest of the Broken Hill property, quartz veins in Rexmount porphyry and granodiorite contain pyrite, pyrrhotite, chalcopyrite, gold bismuth tellurides and rarley, native gold. Originally discovered in the early 1900's, the property was explored by Asaraco Exploration in 1983 and 1984, and was drilled by Enexco International Ltd. in 1986. The drilling on the main vein showed strike length of more than 500 meters and width of 1-12 meters. Best grades were 0.246 oz/ton gold over 1.8 meters in outcrop and 0.171 oz/ton gold over 2.4 meters in core.

In 1988 and early 1989, further diamond drilling has been done by McNeill Industries Ltd., with some significant widths and grades.

Elizabeth Mine:

The Elizabeth mine is situated at the northern end of the Shulaps Range, at the head of Blue Creek, approximately 20 km north of the Broken Hill property. The vein was discovered in 1934 and explored by underground drifting by Bralorne Mines Ltd. In 1983, considerable exploration was done by Cal-Denver Resources Ltd., under an option agreement with Southern Lights Resources Ltd.

Drift sampling revealed a zone with 69.2 g/tonne gold over average width 27.2 cm and length 49 meters along No.9 drift. Additional zones were

sampled, and reserves were calculated in 1984 to be 3850 tonnes with 41.1 grams per tonne gold (4230 tons @ 1.32 oz/ton gold). The property is now held by Balsam Resources Ltd.

Veins are confined to porphyritic quartz diorite intrusive rock within the main Shulaps ultramafic mass.

Red Eagle:

The Red Eagle/Golden Eagle property, situated a few kilometers east of the Broken Hill property, on Yalakom River, has cinnabar concentrations in ankeritized volcanics along the Yalakom Fault zone. In 1966-67 a 438 ft adit was driven on the No.1 showing and 15,638 feet of diamond drilling was done. An additional 800 ft of undergound development was done in 1972.

Reserves are stated to be 707,500 tons at 5.11 lb/ton "reasonably assured" and 1,076,000 tons "indicated" at 3.31 lbs/ton mercury.

Jade Properties:

From time to time, limited amounts of moderate to poor quality nephrite jade are produced from one or more jade deposits in the area of Marshall Creek and Hell Creek, in the southern part of the Shulaps Range.

GEOLOGY OF THE BROKEN HILL PROPERTY: (Figure 5)

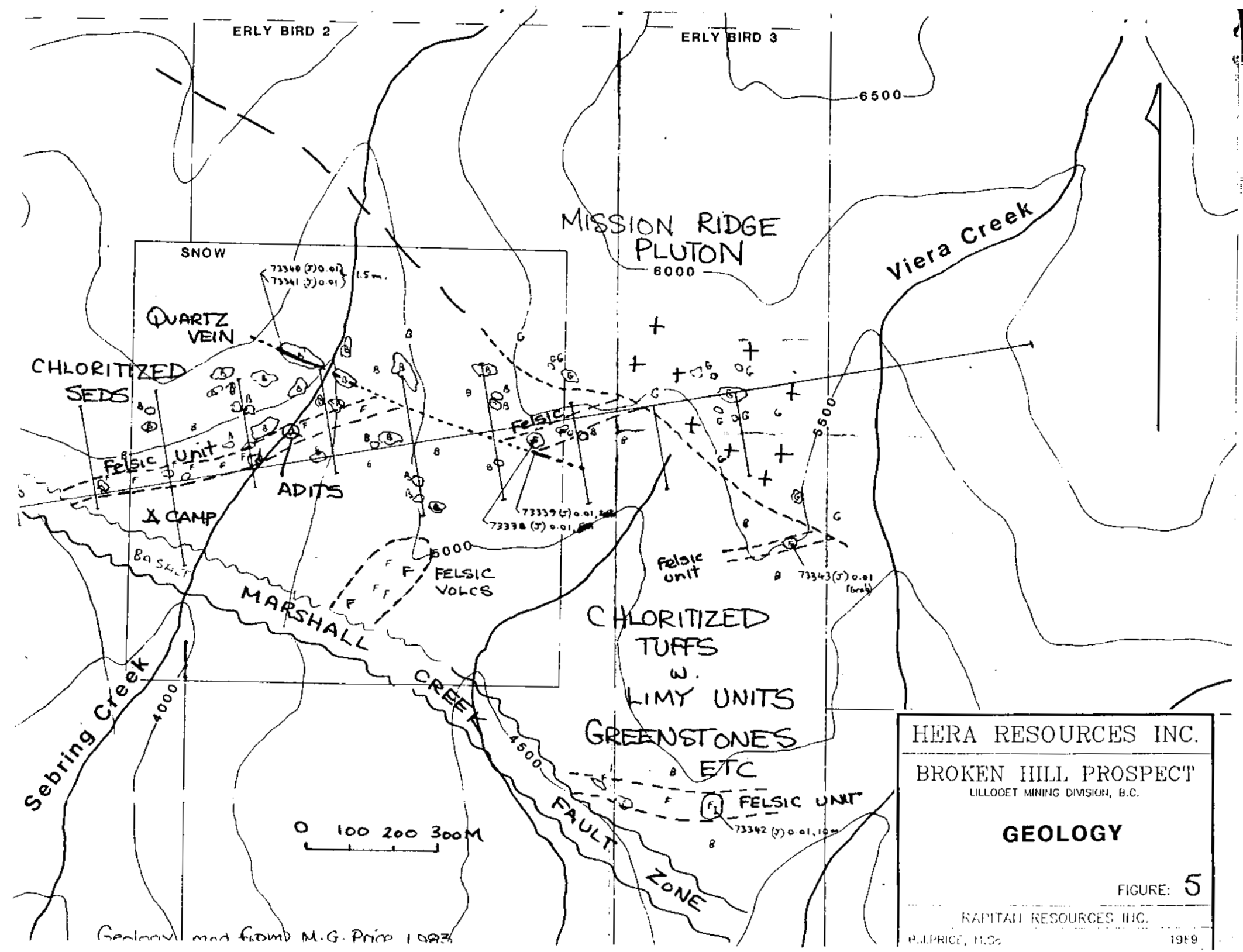
Most of the property is underlain by chlorite-sericite schists, phyllites, altered basalts and limy tuffs, generally gray to dark green and difficult to differentiate at first glance. Occasionally, thin to thick limestone beds permit determination of strike and dip, which appears to mainly follow the general northwest strike and steep northeast trend of foliation. The steep topography and deeply incised creeks give good outcrop exposure. A preliminary geological map was done by M.G.Price for Queenstake in 1983, and this is reproduced as Figure 5.

The above described rocks belong to the Ferguson Group, of late Paleozoic age; they are intruded by a number of rhyolitic and granitoid dykes which are porphyritic on chilled margins. The dykes are probably related to the "Rexmount Porphyry" phase of the Mission Ridge pluton.

Silicified and mineralized zones are confined to the rhyolitic bodies, which are shattered and pyritized, with rusty to yellowish oxidation products, and in places, copper stains. This type of mineralization is exemplified by the mineralized outcrops adjacent to the Upper and Lower adits, first explored in 1913 by Evans-Atkinson.

A persistent 2-3 meter wide quartz vein striking about 110 degrees was reported by Queenstake, but the occurrence, seen on an inaccessable portion of the steep rock bluffs, above the creek, appears to be a silicified and pyritized fault or rhyolitic body similar to that seen in the tunnels.

The northwest trending Marshall Creek Fault may cross the northern part of the property, and transverse faults are reported. A major fault underlying the helipad area may be the Marshall Creek fault, or a splay


ERLY BIRD 2
ERLY BIRD 3
6500
MISSION RIDGE PLUTON
6000
Viera Creek
SNOW
73340 (F) 0.01
73341 (F) 0.01
1.5 m.
QUARTZ VEIN
CHLORITIZED SEDS
Felsic Unit
ADITS
CAMP
5500
Felsic
73339 (F) 0.01
73338 (F) 0.01
5000
F FELSIC VOLCS
Felsic unit
73343 (F) 0.01
Ba SHLT
MARSHALL CREEK
CHLORITIZED TUFFS W. LIMY UNITS GREENSTONES ETC
Sebring Creek
4000
4500
FELSIC UNIT
73342 (F) 0.01, 10m
FAULT ZONE
0 100 200 300M
Geology mod from M.G. Price 1983
HERA RESOURCES INC.
BROKEN HILL PROSPECT
LILLOOET MINING DIVISION, B.C.
GEOLOGY
FIGURE: 5
RAPITAN RESOURCES INC.
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1989

from it. Ultramafic rocks (serpentinites) were seen by the writer on both sides of Sebring Creek associated with this structure, and Quartz, Carbonate, Mariposite alteration seen in outcrop and in float is thought to be common to this fault zone. Low but interesting amounts of gold were obtained from float samples of this material.

1983 EXPLORATION PROGRAM:

The 1983 exploration, done by Queenstake Resources Ltd. on behalf of The Quinto Mining Corp. included grid preparation, rock and soil sampling, and geological mapping, at a total cost of $18,011.39. Maps were kindly provided to the writer by Gordon Gutrath, P.Eng.

1983 SAMPLING RESULTS:

The best rock chip sample was a grab sample from an outcrop west of the upper adit portal - 20.68 oz/ton silver, 3.83 % Pb, 2.05 % Zn, 1.03 % Cu, and 0.004 oz/ton gold.

In the upper adit, a 40 cm wide sulphide lens averaged 11.04 oz/ton Ag, 1.06 % Pb, 1.52 % Zn, 1.13 % Cu, and 0.002 oz/ton Au.

The most significant zone was an 18 meter wide mineralized zone adjacent to the upper portal which averaged 1.41 oz/ton Silver, (including 4.70 oz/ton Silver over 3 meters).

In the lower adit, a zone 10 meters wide assayed 0.25 oz/ton silver along the strike of the adit. (Not true width).

The results indicated potential for a large zone of low to moderate silver grade, along 500 meters of strike length and up to 18 meters wide.

Geochemical soil sampling indicated a gold, arsenic, copper, lead, zinc, silver anomaly situated uphill to the north from the workings.

After the 1983 program, additional soil sampling, geology and hand trenching were recommended, but were never carried out, because Queenstake Resources did not pursue the option.

1988 EXPLORATION PROGRAM:

The writer reviewed the 1983 data in June 1987; the polymetallic soil anomaly represented an intriguing target for follow up. The zones of silicification were thought to represent epithermal alteration indicative of higher grade gold-silver along one or more fault-associated mineralized structures.

A geological mapping program, with fill-in geochemical soil sampling, hand trenching, and VLF EM surveying was recommended, with drill targets to be selected for phase II, dependant on results of the initial sampling program. After discussion of the merits of the property with Mr. D. Ogilvie, president of Hera Resources, the following phase 1 budget was suggested:

PHASE 1:

Geology, 1 man x 10 days @ $350./day	$3,500.00
Geol Assistant, VLF operator 10 days X $250/day	2,500.00
Prospector/Blaster 10 days x $250/day	2,500.00
Samplers, 2 men x 15 days x $200/day	4,000.00
Mobilization, Demob.	1,500.00
Camp and Food, Fuel etc. 5 men x $50/man day x 10 days	2,500.00
Soil samples, 800 x $12.50	10,000.00
Rock sample assays: 100 x $13.50	1,350.00
VLF-EM Rental: 15 Days @ $25/day	375.00
Vehicle rental: 10 days x $40/day	400.00
Magnetometer rental: 15 days @ $25/day	375.00
Radio rental	100.00
Camp construction, supplies	1,000.00
Helicopter 4 hrs x $550/hr	2,200.00
Consulting and Report, typing, reproduction	2,500.00
Base Map preparation, Drafting	750.00
Hand Trenching, blasting supplies	500.00
Expendable Field supplies, (soil bags, Flagging etc)	500.00
Subtotal	36,550.00
Contingency	3,450.00
TOTAL PHASE 1	$40,000.00

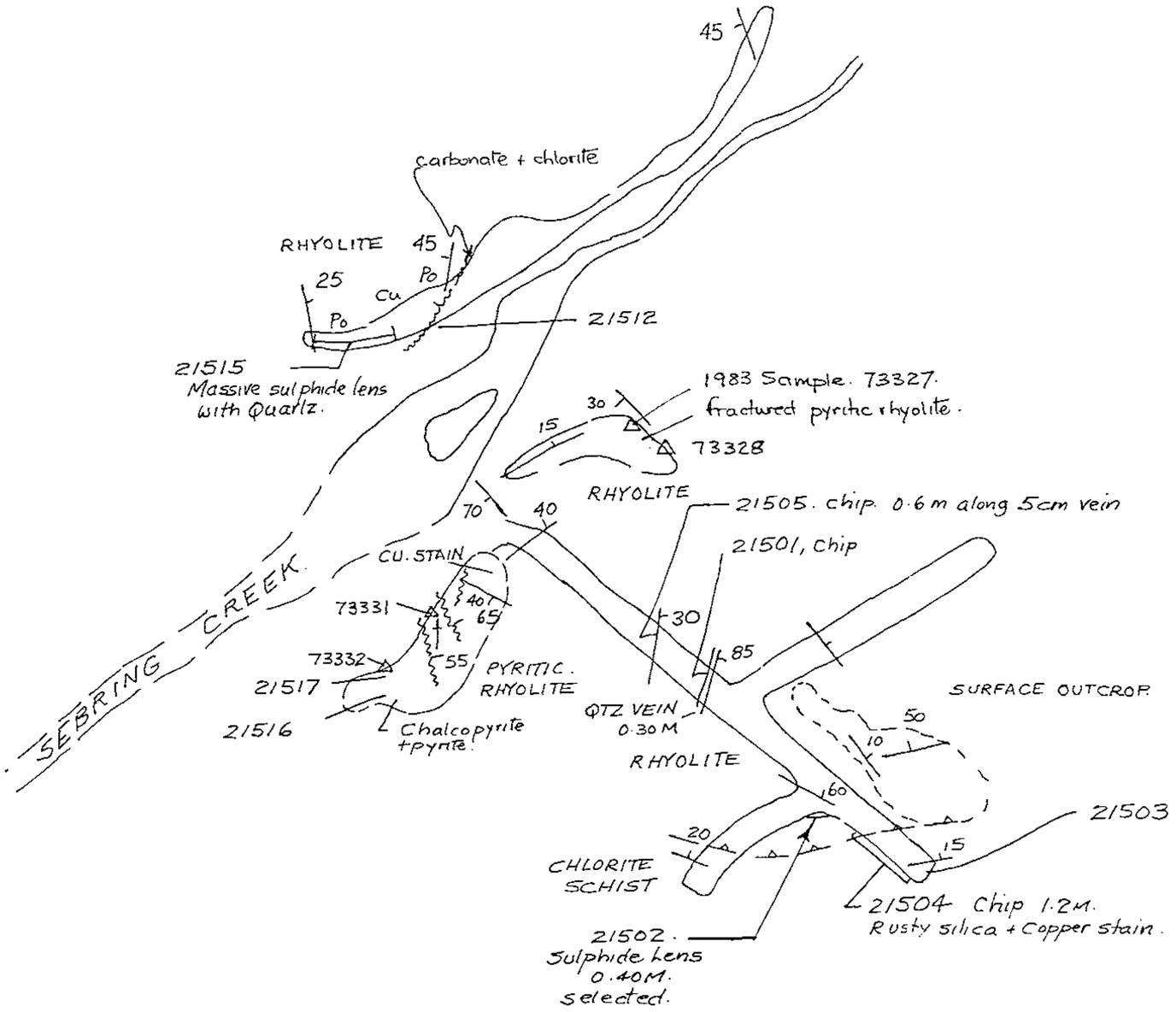
Later, the budget was decreased, and the trenching deferred, to allow time for evaluation of the property after soil sampling. Total cost of the reduced program was about $17,000.00, as is shown on a subsequent page.

Mobilization to the property began on August 27, and by 6 pm the crew was on the property. Camp was set up near the helipad, some 400 meters from the old tunnels in Sebring Creek. Water was hauled about the same distance from a creek west of camp, and also accessible by trail. The field work was completed by September 2, 1989.

Under the writers direction, soil sample infill lines were done adjacent to the 1983 anomalies by prospectors Gerald Hayne and Elon Newstrom. Sample lines were extended 400 meters from the baseline, where possible, from Line 100 W to 100 E on the north side of the creek, and from 200E to 800 E on the south side of the creek. A total of 461 soil samples were taken. These were analyzed by ICP methods by Vangeochem Laboratories Ltd., Vancouver, B.C. Results are given in the Appendix and shown on the accompanying soil geochemical maps (In Pocket).

The underground workings were examined, mapped and sampled by the writer and geologist D.Cook, B.Sc. A total of 23 rock samples were taken to verify sampling done by Queenstake Resources.

Three VLF-EM lines were completed by the writer, using his own Phoenix VLF-2 electromagnetic reciever. A brief magnetometer line was done past the showing for orientation.



HERA RESOURCES INC.

BROKEN HILL PROJECT

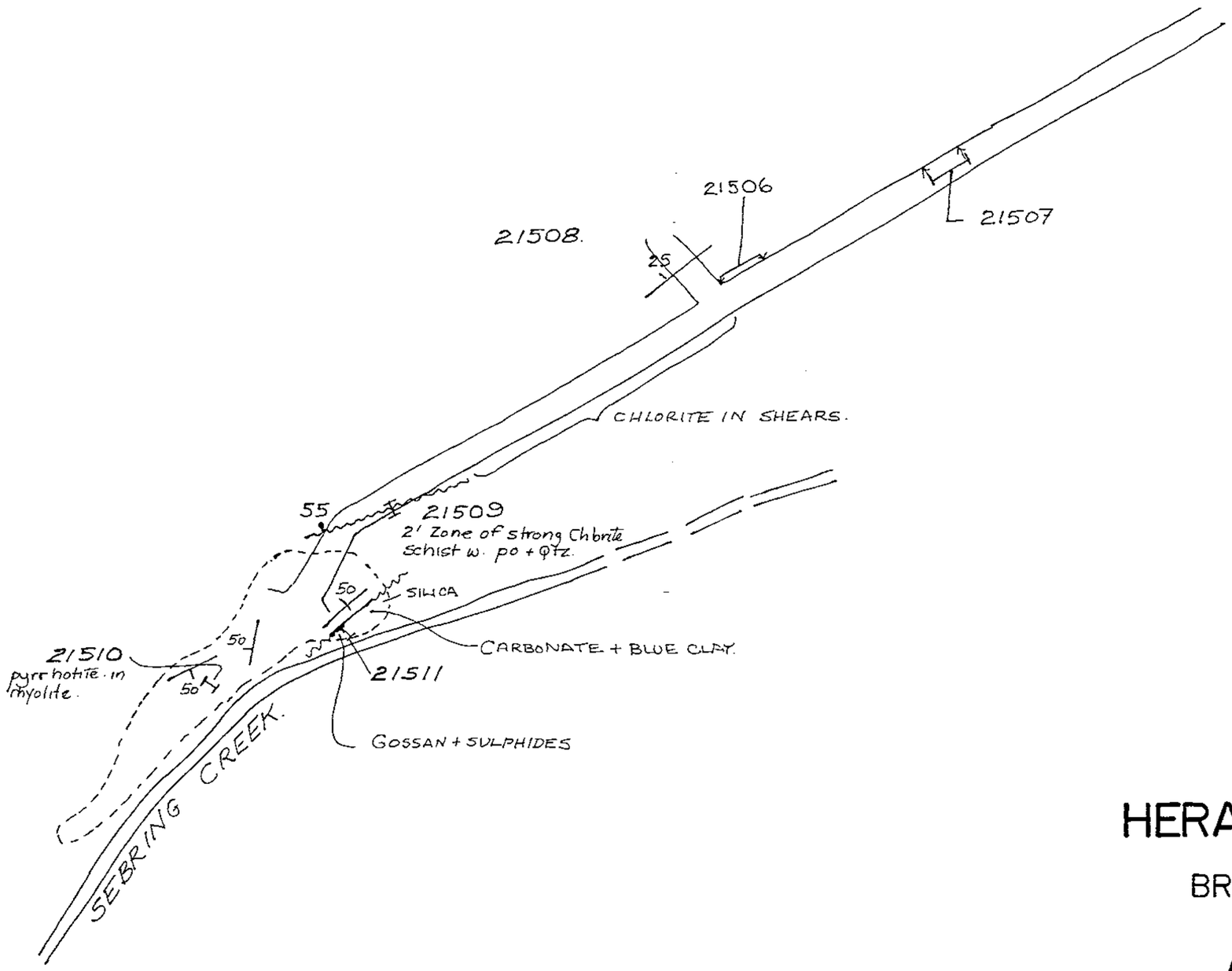
LILLOOET M.D.

UPPER ADIT

0 2 4 6 8m

1:200

B. PRICE MSc. OCT, 1988 FIGURE 6



HERA RESOURCES INC.

BROKEN HILL PROJECT

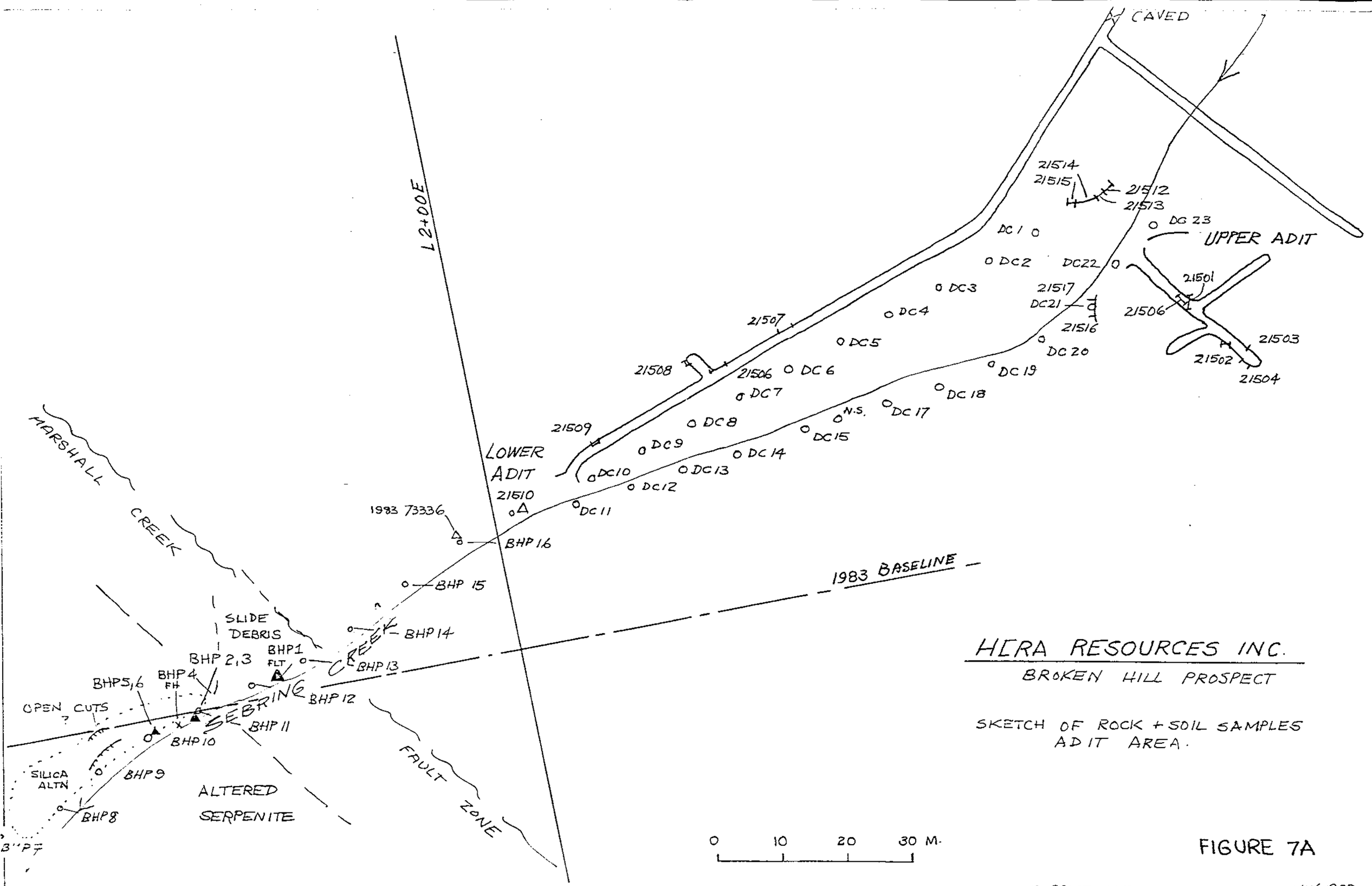
LILLOOET M.D.

LOWER ADIT

0 2 4 6 8m

1:200

B. PRICE MSc. OCT, 1988 FIGURE 7



HERA RESOURCES INC.

BROKEN HILL PROSPECT

SKETCH OF ROCK + SOIL SAMPLES
ADIT AREA.

FIGURE 7A

B. PRICE, M.Sc

MAY 1989.

200

180

160

140

120

100

100W

150W

200W

250W

80M

60M

40M

20M

Shattered White Rhyolite
Pyritic.

OPEN CUT 2

OPEN CUT 1

BHP 20
Rhyolite rubble
GRAB. < 0.005 oz/T Au
0.03 oz/T Ag.

BHP 21
GRAB. < 0.005 oz/T Au.
0.02 oz/T Ag

BHP 22
GRAB. < 0.005 oz/T Au
0.16 oz/T Ag

BHP 23
GRAB. 0.022 oz/T Au
0.21 oz/T Ag

TRAIL JUNCTION

TRAIL TO CAMP
AND HELIPAD

HERA RESOURCES LTD.

BROKEN HILL PROPERTY.

SOIL AND ROCK SAMPLES - TRAIL 2

● SOIL SAMPLE

▲ ROCK SAMPLE

0 10 20M

FIGURE 8

TO ACCOMPANY ASSESSMENT REPORT DATED OCT 31, 1988.

B. PRICE, M.SC.
OCTOBER 1988

DISCUSSION OF 1988 PROGRAM:

The mineralization seen by the writer consists of disseminated pyrite and pyrrhotite, with variable amounts of chalcopyrite and sphalerite and galena, in a silicified and strongly fractured rhyolite host rock. Several rhyolite bodies are believed to be sills and dykes, shattered by regional faulting. Wallrocks are chloritic schists which were originally volcanic tuffs. The chloritized tuffs are limy, and lenses and thin beds of pure grey to white laminated limestone are present. Grey to black cherts and phyllites are also common within the tuff sequence. On the north side of Sebring creek, near the north ends of the geochem lines, excellent outcrops reveal the sill-like nature of the rhyolitic bodies, and demonstrate that Quartz monzonite to aplitic sills or dykes are also present. These have chilled margins and probably are related to the Rexmount intrusions.

The strong polymetallic anomaly mapped in 1983 corresponds to one or more of these rusty rhyolites, and although no strong mineralization was seen in outcrop, the style of mineralization is certain to be similar to that seen in the creek bank exposures adjacent to the tunnels, where some massive lenses of pyrhhotite containing copper-lead-zinc mineralization account for elevated silver and gold values.

The mineralization seen in and adjacent to the tunnels does not appear to the writer to be of economic interest, and more hope is set on extending the 1983 geochemical anomalies by the recent sampling. Depending on the forthcoming results, hand trenching and diamond drilling may be justified.

SOIL GEOCHEMISTRY:

Gold: Background values over the 1988 grid are generally low, 5-10 ppb with a 5 ppb limit of detection. Scattered spot highs are present with maximum value 1000 ppb at L7+50E/3+00S. Arbitrarily, values greater than 20 ppb are considered anomalous. Two small areas north of the baseline on the east side of Sebring creek have values in the 25-40 ppb range. Other spot highs should be followed up. A traverse below the lower adit had the most encouraging values, with samples BHP 7-11 at 10 meter spacing all in excess of 30 ppb with maximum 280 ppb in an area where silica-carbonate altered ultramafic rocks occur.

Silver: Background values are in the range 0.1-0.3 ppm., with a limit of detection of 0.1 ppm. Anomalous values are considered to be those over 0.5 ppm., and several moderate anomalies occur on either side of the creek. One area appears to follow the Marshall Creek fault at the southern limit of the grid, and another stronger anomaly follows the trace of the crushed rhyolite shear zone which is weakly mineralized in the adits.

The sample traverse below the lower adit is strongly anomalous in silver: with values in excess of 1 ppm to a maximum of 12.3 ppm. In general the Ag values correlate with copper, lead and zinc.

Lead: Displayed on the same plan as silver, background values are less than 50 ppm. Anomalous values are those > 100 ppm, and maximum value of 960 ppm occurs below the Lower Adit, where a strong correlation with gold, silver, copper, zinc, arsenic, and cadmium is seen.

Zinc: Background values are generally below 250 ppm, with anomalous values contoured when greater than 400 ppm. Several small anomalies are worthy of follow up; these generally correlate well with other base metal, but a large anomaly on lines 7+00E and 7+50E is only correlative with cadmium.

The strongest anomaly occurs with other elements, along the creek below the lower adit, correlative with disseminated low grade gold in altered ultramafic rocks.

Cadmium: The background values for cadmium are in the order of 1-2 ppm. Anomalous values, those over 3.0 ppm are contoured. The element appears to be a good indicator for both the low grade disseminated sulphides in the crushed rhyolites and also for the disseminated gold in altered ultramafic rocks. ,

Arsenic: Background values for arsenic are in the range 20-50 ppm, and values greater than 100 ppm are considered anomalous and are contoured. A large area of moderately anomalous arsenic correlates with the crushed rhyolite zone explored by the adits. Strongest value of 2,622 ppm correlates with gold and silver below the lower adit. Several moderate anomalies are worthy of follow up.

Copper: As expected from the copper stained outcrops near the Upper Adit, copper is a good general indicator of zones of interest. Background levels are less than 70 ppm, while anomalies are contoured at the levels of >100 ppm and >200 ppm.

Other Elements:

Distribution patterns of other elements analyzed by ICP were not studied in detail, but in general, nickel and cobalt and also chromium are anomalous in areas where ultramafics underlie the grid. Elements such as Sb and Bi are for the most part below the detection limit. Mo, Sn, and W have little contrast and are of no use. In a general way, Fe, Mg and Mn might be useful, but the base metals and gold and silver appear to outline the zones of interest well, so there is little need to look further at other elements or ratios. For a similar reason, no statistical methods have been applied, the contrast of the most useful elements being strong enough that further statistical manipulation is not time-worthy.

Geochemical results are displayed on a series of plans labelled Figures 11A to 11E, in the attached pocket.

For the several traverses on trails across the grid, small page size maps showing sample locations and geology are supplied following this section (Figures 6 to 10.).

General Summary of Geochemistry:

Results from the 1989 grid do not match perfectly with results from the 1983 sampling; this is to be expected where different samplers and different laboratories are used. The elements of most value for outlining gold mineralization appear to be gold, silver, lead, zinc, cadmium and and arsenic. In a general way, Calcium and iron reflect carbonitization of ultramafics and sulphide content respectively. Other elements seem to have little use in outlining mineralization.

GEOPHYSICS:

VLF traverses were done on lines 0+00, 100W, 100E, and Trail #2. The instrument used was a Phoenix VLF-2 electromagnetic reciever using Cutler and Annapolis stations. Characteristics of the instrument and data plots are given in the appendix.

On Line 0+00, an orientation traverse was done keeping carteful notice of geology, slope and instrument response, as a strong geochemical anomaly near the end of the 1983 grid line indicated a mineralized structure could be present.

The VLF EM responded well on this line, in spite of very steep slopes; a strong cross-over on both stations (frequencies) is corroborated by field strength peaks in each case, as shown in the accompanying figure. The anomaly corresponds with a rhyolite sill or dyke outcropping between 260 N and 320 N. There is no obvious mineralized structure or vein, but the rhyolite is pyritized.

The adjacent VLF lines showed no corresponding anomaly, although similar rhyolite bodies are present. Either mineralization is confined to a small area or other factors affect the EM response. In abny case, trenching should be done across the rhyolite body on line 0+00 to determine if gold-silver mineralization is present.

Geophysical data from the other lines are not plotted but are shown in Tables in the appendix III, along with a description of instruments and procedures.

Rock Sampling:

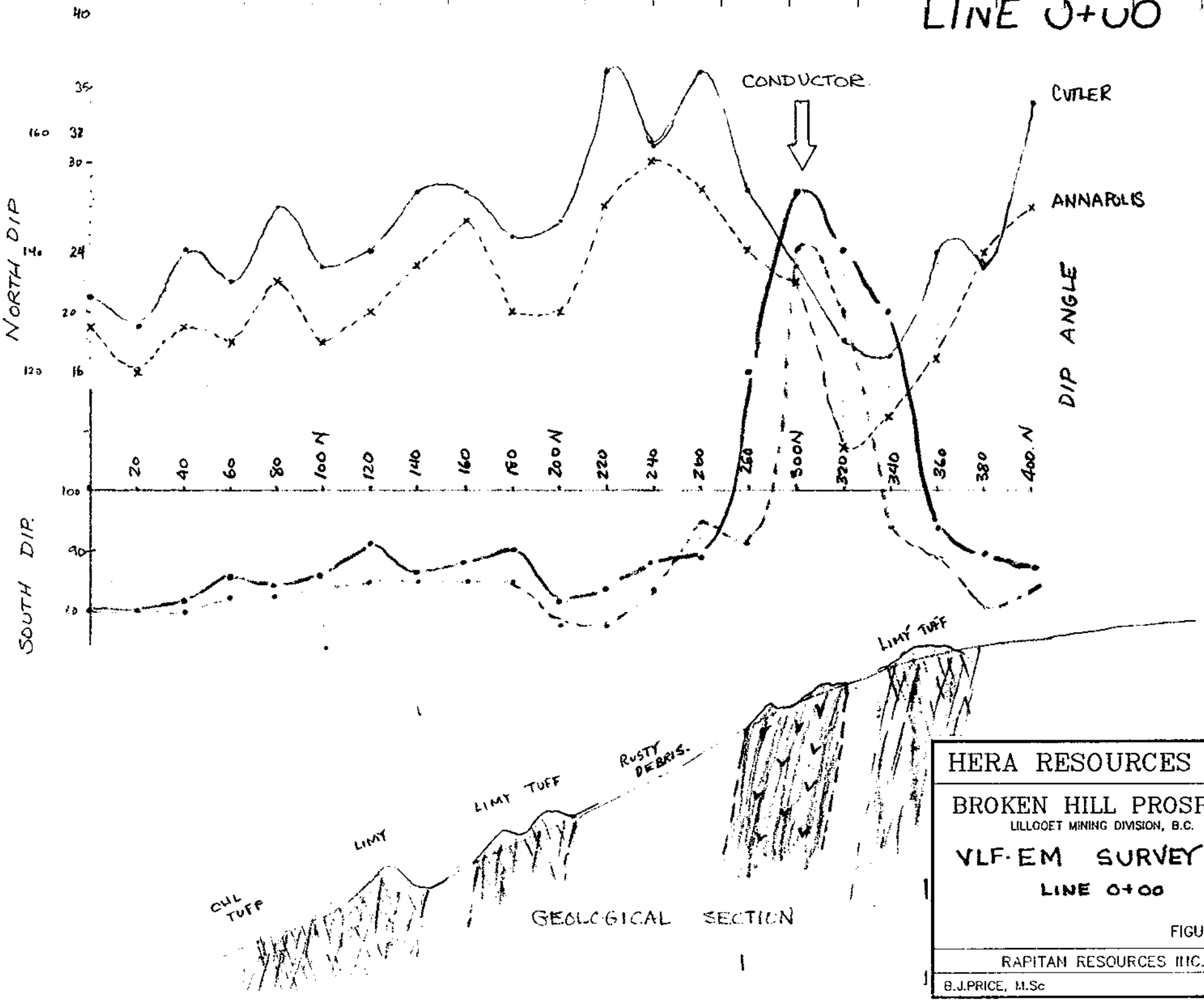
Previous sampling of the mineralized rhyolite dyke (?) exposed in outcrops along the creek and in the two adits had been ambiguous, with reports of widths of 104 feet with values of up to $28 per ton in copper, gold and silver in 1913. Sampling in 1981 by Goldbridge was also spurious, with reported values of 6.34 oz/ton silver over 23 feet, 4.00 oz/ton over 40 feet and 6.30 oz/ton over 36 feet. A detailed sampling program by Queenstake Resources Ltd. proved that the mineralized zone is subeconomic, with their average values in the order of 0.25 oz/ton silver.

Check sampling done by the writer and D.Cook, P.Eng. verified the Queenstake results. Selected samples of heavy sulphides from narrow lenses assayed as follows:

SAMPLE	SILVER	GOLD
21502	9.10 oz/ton	0.005 oz/ton
21513	3.72 oz/ton	0.005 oz/ton
21514	10.29 oz/ton	0.008 oz/ton
21515	4.82 oz/ton	0.008 oz/ton

More typically, as shown in the accompanying table, chip sample results average less than 0.50 oz/ton silver and less than 0.005 oz/ton gold.

LINE 0+00



HERA RESOURCES INC.

BROKEN HILL PROSPECT

LILLOOET MINING DIVISION, B.C.

VLF-EM SURVEY

LINE 0+00

FIGURE: 12

RAPITAN RESOURCES INC.

B.J.PRICE, M.Sc 1989

The most promising mineralization was seen in an area of silicified and carbonatized serpentine in a strong fault structure 50 to 100 meters below, (southwest of) the lower adit. Soil samples here are anomalous, (35 - 280 ppb), along with other elements Cu,Pb,Zn,As,Bi, and the ultramafic suite Cr, Co, Ni, and Mg. The best rock samples assayed 0.018 oz/ton and 0.020 oz/ton gold, which suggests that trenching should be done at this locality.

At the shattered rhyolite pits near camp, (sample BHP 23), gold is also strongly anomalous, (0.022 oz/ton), suggesting that the intersection of the Marshall Creek fault with the altered rhyolite dykes may hold potential for large low grade gold deposits.

CONCLUSIONS:

Although the 1988 work program demonstrated that the initial target explored by the two adits is subeconomic, soil sampling and rock sampling results have indicated several other areas of interest that require follow-up. Accordingly, it is concluded that the property is of merit and additional work is justified.

RECOMMENDATIONS:

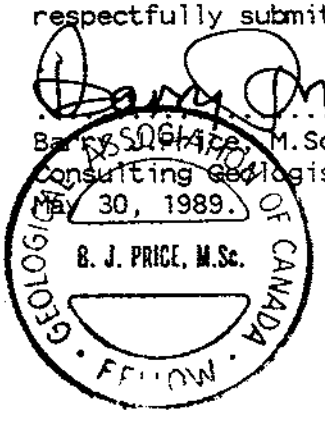
The best way to explore the geochemical targets outlined in the 1988 sampling programs is by hand trenching across the mineralized structures and chip sampling in the blasted trenches. This should be done on the south side of the creek on rusty rhyolitic exposures on the access trail, on altered serpentine outcrops below the Lower Adit, and on the shattered rhyolite area near camp.

The rhyolite dyke area near the top of the slope on line 0+00 should also be blasted and sampled, as this is where a strong VLF response was noted. The steep slopes preclude the use of mechanized equipment, and some helicopter slinging of rock drills for blasting may be necessary. Two additional helipads should be cut, one at the top of slope above the camp, and one near the rhyolite exposures on the south side of Sebring Creek.

Some additional prospecting along the trace of the serpentinized ultramafics is warranted, as well as mapping in the area of the pyritized rhyolite bodies.

A one week program for 3 men (geologist and two prospector-blasters) is budgeted at $21,000, (exclusive of report and filing costs). A phase II program of 1000 feet of NQ diamond drilling is budgeted at $50,000, conditional on favorable sampling results in phase I.

respectfully submitted



Barry S. Price, M.Sc.,FGAC.
Consulting Geologist
May 30, 1989.

SUGGESTED 1990 BUDGET:

PHASE 1:

Geology, 1 man x 7 days @ $350./day	$2,450.00
Geol Assistant, mag.operator 7 days X $200/day	1,400.00
Prospector/Blaster 7 days x $250/day	1,750.00
Mobilization, Demob.	1,250.00
Camp and Food, Fuel etc. 3 men x $50/man day x 7 days	1,050.00
Soil samples, 200 x $12.50	2,500.00
Rock sample assays: 100 x $13.50	1,350.00
Vehicle rental: 7 days x $40/day	280.00
Magnetometer rental: 15 days @ $25/day	375.00
Radio rental	100.00
Plugger Drill Rental	200.00
Camp construction, supplies	1,000.00
Helicopter 4 hrs x $550/hr	2,200.00
Consulting and Report, typing, reproduction	2,500.00
Hand Trenching, blasting supplies	500.00
Expendable Field supplies, (soil bags, Flagging etc)	500.00
Subtotal	19,405.00
Contingency	1,595.00
TOTAL PHASE 1	**$21,000.00**

PHASE II (Dependant on success in Stage I).

1000 ft NQ diamond drilling @ $50/ft (All inclusive)	$50,000.00

respectfully submitted,

Barry J.Price, M.Sc.
Consulting Geologist.

GEOLOGICAL ASSOCIATION OF CANADA
B. J. PRICE, M.Sc.
FELLOW

BIBLIOGRAPHY

PRICE, B.J., (1988), Broken Hill Property, Lillooet M.D., Initial property review. Private Report to Hera Resources Inc.

PRICE, M.G., (1983), Rock and Soil Geochemistry of the Broken Hill Property, Lillooet Mining Division., MEMPR Assessment Report for Queenstake Resources Inc., No. 11457, dated August 5, 1983.

DALEY, F., (1986). Assessment Report on the Paystrip 1 Mineral Claim., Lillooet M.D. for Kerr Addison Mines Ltd., No. 14,895 dated May 1986.

SCHIARIZZA, P, ET AL., (1989); Geology and Mineral Occurrences of the Tyaughton Creek area. (920/2, 92J/15,16). Geological Fieldwork, 1988. MEMPR, Geological Survey Div., pp115-130.

LEECH, G.B., (1953); Geology and Mineral Deposits of the Shulaps Range, B.C., B.C. MEMPR., Bulletin 32, 54 pp.

WOODSWORTH, G.J., (1977); Pemberton Map Area, (92J), G.S.C. Open File 482.

CERTIFICATE

I, Barry J.Price, with business address at 2505 W.1st Avenue, Vancouver, B.C. do hereby certify that:

1) I am a Consulting Geologist registered with the Geological Association of Canada as a Fellow and I am entitled to use their seal, which has been affixed to this report. I am a member of the Society of Exploration Geologists, and several other professional organizations.

2) I hold a B.Sc. (Honors) Degree in Geology (1965) and a M.Sc. in Geology (1972), both from the University of British Columbia., Vancouver, B.C.

3) I have practised my profession as a geologist continuously since 1965, having worked in Canada, The United States of America, Mexico, and the Republic of the Phillipines, for a number of large and small companies and consulting firms, including Manex Mining Ltd., J.R.Woodcock and Associates, Archer Cathro and Associates and P.A.Christopher and Associates.

4) I have based this report on available geological data and a field examination of the subject property and a literature review of adjacent properties and mineral deposits, and on my personal knowledge of the area.

5) I have no interest in the claims described in the report nor in the securities of Hera Resources Inc., and will receive only normal consulting fees for the preparation of this report.

6) I do not have any interest in any mineral claims within 20 km. of the subject property.

7) I do not hold, either directly or indirectly, any shares of Hera Resources Inc. or any related company, and will accept only normal consulting fees for the preparation of this report.

8) I consent to the use of this report by Hera Resources Inc. for the purposes of a Prospectus, Statement of Material Facts, or for any other corporate purpose.

Barry James Price,M.Sc.
Consulting Geologist.
November 20, 1988.

APPENDIX I

ANALYTICAL RESULTS

SOIL SAMPLE DATA SOILSAMP

PROJECT BROKEN HILL PROPERT
AREA Sebring Creek
COMPANY HERA RESOURCES INC.
MAPSHEET 92J16/W

DATE AUG 88
SAMPLER B.PRICE
NO. SAMPLES 10
Traverse below L.Adit

SAMPLE NO	GOLD ppb	SILVER ppm	COPPER ppm	LEAD ppm	ZINC ppm	ARSENIC ppm	CADMIUM PPM
BHP 7	55	4.1	350	243	637	138	10.9
BHP 8	280	6.2	1480	350	1271	2622	33.5
BHP 9	50	12.3	599	936	1689	242	33.4
BHP 10	40	9.6	584	619	1496	195	34.1
BHP 11	35	1.6	212	175	371	172	5.1
BHP 12	20	1.1	144	87	226	83	2.4
BHP 13	15	1.1	115	74	195	65	2.7
BHP 14	25	0.5	125	99	227	109	2.5
BHP 15	25	0.5	119	93	213	175	2.2
BHP 16	25	1.6	358	286	421	283	4.1

SAMPLE DATA SAMPLES

PROJECT BROKEN HILL PROPERTY
AREA Sebring Creek Mapsheet 92J/16W
COMPANY HERA RESOURCES INC.

DATE AUGUST 1989
SAMPLER B.PRICE
NO OF SAMPLES

SAMPLE NO	DESCRIPTION	WIDTH (meters)	GOLD (oz/ton)	SILVER oz/ton)	COPPER %	LEAD %	ZINC %
21501	Upper adit, Quartz vein crossing drift	0.3	0.001	0.01			
21502	Upper Adit, 19.5 m from portal, sulphide + chlorite lens	0.4	0.005	9.1	0		
21503	Upper Adit, 24.5 m, rusty silica with Cu stain	1.2	0.001	0.01			
21504	Upper Adit, 24.5 m, Chlorite schist Footwall	0.6	0.001	0.01			
21505	Upper Adit, 12 m, 0.6 meters along 5 cm vein	0.05	0.001	0.14			
21506	Lower Adit, 28-30 m., quartz and chlorite	2	0.001	0.13			
21507	Lower Adit, 42-44 m., Chlorite and minor sulphides	2	0.001	0.26			
21508	Lower Adit, nr end of side tunnel, faulted zone	1.3	0.001	0.22			
21509	Lower Adit, 6-6.5 m from portal, chloritic zone in wall	0.6	0.001	0.42			

SAMPLE DATA SAMPLES

PROJECT BROKEN HILL PROPERTY DATE AUGUST 1989
AREA Sebring Creek Mapsheet 92J/16W SAMPLER B.PRICE
COMPANY HERA RESOURCES INC. NO OF SAMPLES

SAMPLE NO	DESCRIPTION	WIDTH (meters)	GOLD (oz/ton)	SILVER oz/ton)	COPPER %	LEAD %	ZINC %
BHP 1	Float, massive pyrite annd chalcopyrite in quartz, 50 m down from Lower Adit, resembles massive sulphides near U.Adit	na	0.001	0.75			
BHP 2	Same Loc. as BHP 1, Silica-Talc zone adjacent to creek, Fine pyrite, chips from 1 meter section	1	0.018	0.31			
BHP 3	Same Loc as BHP 2, Rusty silica-Carbonate w black limonite films Chip from 1 meter section	1	0.008	0.17			
BHP 4	Float, large blocks quartz-carbonate alteration with green mica	na	0.006	0.02			
BHP 5	As above with sulphides	na	0.001	0.01			
BHP 6	loat at same location of silica-pyrite	na	0.02	0.03			
	Samples BHP 7 to BHP 17 are soils						
BHP 18	Grab sample of rusty rhyolite sill 50 m west of Ln 50W/400 N	na	0.001	0.03			
BHP 19	Grab sample, Wide rusty rhyolite outcrop on Ln 100W/350 N	na	0.001	0.04			
BHP 20	Trail 2, 115 M west, Rhyolite rubble by trail	na	0.001	0.03			
BHP 21	Near Trail 2, and 100 m West., usty debr	na	0.001	0.02			
BHP 22	SEcond pit on Trail 2 northwest of camp	na	0.001	0.16			
BHP 23	First pit on Trail 2, northwest of camp	na	0.022	0.21			
BHP 24	Grab sample, 0+95E/145 N, Cross fracture with silica and pyrite	na	0.001	0.01			

VGC

VANGEOCHEM LAB LIMITED

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1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

ASSAY ANALYTICAL REPORT

CLIENT: RAPITAN RESOURCES
ADDRESS: 3447 W.7th Avenue
: Vancouver, B.C.
: V6R 1W2

DATE: Sept 20 1988

REPORT#: 881299 AA
JOB#: 881299

PROJECT#: Broken Hill
SAMPLES ARRIVED: Sep 8 1988
REPORT COMPLETED: Sept 20 1988
ANALYSED FOR: Ag Au

INVOICE#: 881299 NA
TOTAL SAMPLES: 18
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: Rock

SAMPLES FROM: RAPITAN RESOURCES
COPY SENT TO: Mr. Barry Price

PREPARED FOR: Mr. Barry Price

ANALYSED BY: David Chiu

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: None

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881299 AA JOB NUMBER: 881299 RAPITAN RESOURCES

SAMPLE #	Ag oz/st	Au oz/st
BHP 2	.31	.018
BHP 3	.17	.008
BHP 4	.02	.006
BHP 5	<.01	<.005
BHP 6	.03	.020
BHP 17	.03	.005
BHP 18	.03	<.005
BHP 19	.04	<.005
BHP 20	.03	<.005
BHP 21	.02	<.005
BHP 22	.16	<.005
BHP 23	.21	.022
BHP 24	<.01	<.005
21516	1.74	.016
21518	.01	.005
21519	<.01	<.005
21520	<.01	<.005
21521	.04	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

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1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

ASSAY ANALYTICAL REPORT

CLIENT: RAPITAN RESOURCES INC.
ADDRESS: 2505 WEST 1ST AVENUE
: Vancouver, B.C.
: V6K 1G8

DATE: SEPT 13 88

REPORT#: 881255 AA
JOB#: 881255

PROJECT#: BH
SAMPLES ARRIVED: Sept 07 1988
REPORT COMPLETED: SEPT 13 88
ANALYSED FOR: Ag Au

INVOICE#: 881255 NA
TOTAL SAMPLES: 17
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: ROCK

SAMPLES FROM: RAPITAN RESOURCES INC.
COPY SENT TO: MR. BARRY PRICE

PREPARED FOR: MR. BARRY PRICE

ANALYSED BY: David Chiu

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: None

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881255 AA JOB NUMBER: 881255 RAPITAN RESOURCES INC.

SAMPLE #	Ag oz/st	Au oz/st
21501	.01	<.005
21502	9.10	.005
21503	<.01	<.005
21504	<.01	<.005
21505	.14	<.005
21506	.13	<.005
21507	.26	<.005
21508	.22	<.005
21509	.42	<.005
21510	.08	<.005
21511	.07	<.005
21512	.20	<.005
21513	3.72	.005
21514	10.29	.008
21515	4.82	.008
21517	.04	<.005
BHP 1	.75	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed:

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

ASSAY ANALYTICAL REPORT

CLIENT: RAPITAN RESOURCES INC.
ADDRESS: 2505 WEST 1ST AVENUE
: Vancouver, B.C.
: V6K 1G8

DATE: SEPT 13 88
REPORT#: 881255 AA
JOB#: 881255

PROJECT#: BH
SAMPLES ARRIVED: Sept 07 1988
REPORT COMPLETED: SEPT 13 88
ANALYSED FOR: Ag Au

INVOICE#: 881255 NA
TOTAL SAMPLES: 17
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: ROCK

SAMPLES FROM: RAPITAN RESOURCES INC.
COPY SENT TO: MR. BARRY PRICE

PREPARED FOR: MR. BARRY PRICE

ANALYSED BY: David Chiu

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: None

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881255 AA JOB NUMBER: 881255 RAPITAN RESOURCES INC.

SAMPLE #	Ag oz/st	Au oz/st
21501	.01	<.005
21502	9.10	.005
21503	<.01	<.005
21504	<.01	<.005
21505	.14	<.005
21506	.13	<.005
21507	.26	<.005
21508	.22	<.005
21509	.42	<.005
21510	.08	<.005
21511	.07	<.005
21512	.20	<.005
21513	3.72	.005
21514	10.29	.008
21515	4.82	.008
21517	.04	<.005
BHP 1	.75	<.005
DETECTION LIMIT	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,W,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: RAPITAN RES.
ATTENTION: B. PRICE
PROJECT: BH

REPORT#: 881255PA
JOB#: 881255
INVOICE#: 881255NA

DATE RECEIVED: 88/09/06
DATE COMPLETED: 88/09/22
COPY SENT TO:

ANALYST

	SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
UPPER ADIT	21501	.3	.16	6	ND	15	ND	.06	1.2	1	57	291	.56	.03	.03	60	ND	.01	2	.01	105	ND	ND	ND	ND	4	ND	ND	185
	21502	>100	1.56	ND	ND	14	20	.25	566.2	43	166	7426	10.73	.02	1.70	460	17	.91	107	.04	23246	ND	ND	ND	18	16	ND	ND	27003
	21503	.6	.24	69	ND	27	ND	.05	10.1	3	69	291	.85	.05	.17	35	1	.03	7	.01	512	ND	ND	ND	1	7	ND	ND	713
	21504	.2	2.77	254	ND	10	ND	1.72	2.7	28	491	66	2.67	.25	6.49	1286	3	.02	443	.04	143	ND	ND	ND	3	155	ND	ND	253
	21505	5.3	.30	292	ND	10	ND	.32	84.4	7	114	320	2.93	.10	.30	121	3	.11	24	.01	425	ND	ND	ND	2	21	ND	ND	3788
L. ADIT	21506	4.5	.19	77	ND	12	ND	.78	8.3	3	39	246	.93	.17	.10	73	1	.03	8	.01	321	ND	ND	ND	1	8	ND	ND	513
	21507	8.5	.19	119	ND	9	ND	.06	33.5	3	81	125	1.04	.05	.07	49	1	.05	6	.01	961	ND	ND	ND	1	5	ND	ND	1527
	21508	3.5	1.18	49	ND	19	ND	1.50	7.5	34	92	426	5.58	.25	1.79	602	4	.03	166	.08	208	ND	ND	ND	5	86	ND	ND	398
	21509	13.1	.97	71	ND	11	ND	.60	4.8	11	59	423	3.65	.13	.94	319	6	.03	69	.06	729	ND	ND	ND	4	32	ND	ND	278
	21510	1.5	2.83	38	ND	24	ND	1.33	4.5	22	90	122	3.80	.24	3.34	692	4	.04	124	.13	143	ND	ND	ND	5	75	ND	ND	287
	21511	1.7	1.22	121	ND	59	ND	3.07	35.2	42	243	124	3.08	.30	3.87	3570	8	.06	426	.03	105	ND	ND	ND	4	242	ND	ND	1539
	21512	6.4	2.22	31	ND	31	ND	1.51	23.2	24	172	237	3.58	.24	2.72	954	4	.05	138	.07	1278	ND	ND	ND	5	87	ND	ND	1168
	21513	>100	1.79	808	ND	16	7	.30	225.5	29	209	2434	5.85	.08	2.37	413	9	.30	136	.05	16700	ND	ND	ND	11	22	ND	ND	11063
	21514	>100	.73	ND	ND	15	21	.10	133.3	38	169	7929	8.60	.04	.93	173	9	.20	116	.03	22369	ND	ND	ND	18	7	ND	ND	7186
	21515	>100	1.28	ND	ND	16	8	.07	97.4	26	222	3582	8.94	.03	1.82	330	8	.16	52	.04	9097	ND	ND	ND	14	6	ND	ND	5632
	21517	1.6	3.35	44	ND	74	ND	1.38	13.8	42	61	317	5.35	.25	3.47	797	4	.06	123	.13	282	ND	ND	ND	6	72	ND	ND	1114
	BRP 1	25.7	.40	4	ND	14	5	1.29	9.1	54	81	3230	12.50	.16	1.20	273	4	.04	139	.02	869	ND	ND	ND	7	84	ND	ND	368
	DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,W,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: RAPITAN RES.
ATTENTION: B. PRICE
PROJECT: BH

REPORT#: 881255PA
JOB#: 881255
INVOICE#: 881255NA

DATE RECEIVED: 88/09/06
DATE COMPLETED: 88/09/22
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
21501	.3	.16	6	ND	15	ND	.06	1.2	1	57	291	.56	.03	.03	60	ND	.01	2	.01	105	ND	ND	ND	ND	4	ND	ND	185
21502	>100	1.56	ND	ND	14	20	.25	566.2	43	166	7426	10.73	.02	1.70	460	17	.91	107	.04	23246	ND	ND	ND	18	16	ND	ND	27003
21503	.6	.24	69	ND	27	ND	.05	10.1	3	69	291	.85	.05	.17	35	1	.03	7	.01	512	ND	ND	ND	1	7	ND	ND	713
21504	.2	2.77	254	ND	10	ND	1.72	2.7	28	491	66	2.67	.25	6.49	1286	3	.02	443	.04	143	ND	ND	ND	3	155	ND	ND	253
21505	5.3	.30	292	ND	10	ND	.32	84.4	7	114	320	2.93	.10	.30	121	3	.11	24	.01	425	ND	ND	ND	2	21	ND	ND	3788
21506	4.5	.19	77	ND	12	ND	.78	8.3	3	39	246	.93	.17	.10	73	1	.03	8	.01	321	ND	ND	ND	1	8	ND	ND	513
21507	8.5	.19	119	ND	9	ND	.06	33.5	3	81	125	1.04	.05	.07	49	1	.05	6	.01	961	ND	ND	ND	1	5	ND	ND	1527
21508	3.5	1.18	49	ND	19	ND	1.50	7.5	34	92	426	5.58	.25	1.79	602	4	.03	166	.08	208	ND	ND	ND	5	86	ND	ND	398
21509	13.1	.97	71	ND	11	ND	.60	4.8	11	59	423	3.65	.13	.94	319	6	.03	69	.06	729	ND	ND	ND	4	32	ND	ND	278
21510	1.5	2.83	38	ND	24	ND	1.33	4.5	22	90	122	3.80	.24	3.34	692	4	.04	124	.13	143	ND	ND	ND	5	75	ND	ND	287
21511	1.7	1.22	121	ND	59	ND	3.07	35.2	42	243	124	3.08	.30	3.87	3570	8	.06	426	.03	105	ND	ND	ND	4	242	ND	ND	1539
21512	6.4	2.22	31	ND	31	ND	1.51	23.2	24	172	237	3.58	.24	2.72	954	4	.05	138	.07	1278	ND	ND	ND	5	87	ND	ND	1168
21513	>100	1.79	809	ND	16	7	.30	225.5	29	209	2434	5.85	.08	2.37	413	9	.30	136	.05	16700	ND	ND	ND	11	22	ND	ND	11063
21514	>100	.73	ND	ND	15	21	.10	133.3	38	169	7929	8.60	.04	.93	173	9	.20	116	.03	22369	ND	ND	ND	18	7	ND	ND	7186
21515	>100	1.28	ND	ND	16	8	.07	97.4	26	222	3582	8.94	.03	1.82	330	8	.16	52	.04	9097	ND	ND	ND	14	6	ND	ND	5632
21517	1.6	3.35	44	ND	74	ND	1.38	13.8	42	61	317	5.35	.25	3.47	797	4	.06	123	.13	282	ND	ND	ND	6	72	ND	ND	1114
BHP 1	25.7	.40	4	ND	14	5	1.29	9.1	54	81	3230	12.50	.16	1.20	273	4	.04	139	.02	869	ND	ND	ND	7	84	ND	ND	368
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

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ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
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IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: RAPITAN RESOURCES
ATTENTION:
PROJECT: BROKEN HILL

REPORT#: 881299PA
JOB#: 881299
INVOICE#: 881299NA

DATE RECEIVED: 88/09/08
DATE COMPLETED: 88/09/30
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BHP 2	11.2	.26	105	ND	19	ND	.40	6.4	5	71	563	1.10	.05	.39	125	1	.01	19	.01	618	ND	ND	ND	2	41	ND	ND	428
BHP 3	1.8	.21	219	ND	30	3	3.47	4.8	14	132	291	1.92	.10	1.30	521	4	.01	205	.01	208	ND	ND	ND	2	189	ND	ND	194
BHP 4	.2	.11	424	ND	16	ND	2.61	3.3	55	223	70	3.46	.16	15.38	880	ND	.01	1077	.01	58	ND	ND	497	ND	345	ND	ND	195
BHP 5	.1	.17	497	ND	12	ND	4.70	3.3	51	246	74	2.70	.01	10.01	548	2	.01	885	.01	96	ND	ND	509	1	592	ND	ND	163
BHP 6	.6	.11	215	ND	20	ND	.32	3.8	4	96	152	1.99	.12	.46	63	2	.01	33	.01	59	ND	ND	ND	2	47	ND	ND	106
BHP 17	.1	.68	27	ND	57	ND	.04	.7	4	144	63	2.21	.01	.46	289	6	.02	19	.01	32	ND	ND	ND	2	7	ND	ND	63
BHP 18	.1	.35	56	ND	23	ND	.02	.6	2	46	31	2.41	.01	.10	212	3	.01	8	.01	21	ND	ND	ND	2	3	ND	ND	35
BHP 19	.1	.61	7	ND	33	ND	.05	.1	4	76	38	1.59	.01	.39	227	4	.01	12	.03	24	ND	ND	ND	2	3	ND	ND	42
BHP 20	.6	.38	132	ND	31	ND	.03	.6	4	34	135	.96	.04	.17	126	3	.02	21	.01	63	ND	ND	ND	2	3	ND	ND	61
BHP 21	.2	.15	89	ND	15	ND	.01	.1	1	108	68	.66	.03	.04	24	6	.01	8	.01	60	ND	ND	ND	1	2	ND	ND	41
BHP 22	2.5	.18	217	ND	23	ND	.01	.3	1	80	229	.66	.01	.02	32	1	.01	4	.01	123	ND	ND	ND	1	1	ND	ND	45
BHP 23	11.2	.18	260	ND	18	22	.01	.7	2	142	683	1.38	.01	.04	30	5	.01	10	.01	304	ND	ND	ND	2	1	ND	ND	127
BHP 24	.1	1.66	32	ND	27	ND	.06	1.3	17	93	152	4.71	.01	1.48	557	6	.02	38	.07	40	ND	ND	ND	5	6	ND	ND	70
21516	61.7	.52	6	ND	12	50	.10	62.8	31	81	3533	6.29	.01	.55	95	8	.07	49	.01	2632	ND	ND	ND	8	8	ND	ND	3610
21518	.8	2.33	5	ND	23	3	1.17	2.3	46	53	282	3.89	.23	1.07	417	3	.06	38	.08	99	ND	ND	ND	15	109	ND	ND	142
21519	.1	2.56	15	ND	139	ND	.14	1.8	14	63	61	4.18	.01	1.81	612	3	.02	22	.08	47	ND	ND	ND	5	14	ND	ND	113
21520	.1	.67	11	ND	26	ND	1.61	1.1	8	78	41	1.33	.33	1.19	457	3	.01	72	.02	19	ND	ND	ND	2	87	ND	ND	109
21521	.1	1.07	31	ND	41	ND	.05	.6	3	111	57	2.61	.01	.63	362	4	.02	10	.03	43	ND	ND	ND	4	8	ND	ND	39
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
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IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: RAPITAN RESOURCES
ATTENTION:
PROJECT: BROKEN HILL

REPORT#: 881299PA
JOB#: 881299
INVOICE#: 881299NA

DATE RECEIVED: 88/09/08
DATE COMPLETED: 88/09/30
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BHP 2	11.2	.26	105	ND	19	ND	.40	6.4	5	71	563	1.10	.05	.39	125	1	.01	19	.01	618	ND	ND	ND	2	41	ND	ND	428
BHP 3	1.8	.21	219	ND	30	3	3.47	4.8	14	132	291	1.92	.10	1.30	521	4	.01	205	.01	208	ND	ND	ND	2	189	ND	ND	194
BHP 4	.2	.11	424	ND	16	ND	2.61	3.3	55	223	70	3.46	.16	15.38	880	ND	.01	1077	.01	58	ND	ND	497	ND	345	ND	ND	195
BHP 5	.1	.17	497	ND	12	ND	4.70	3.3	51	246	74	2.70	.01	10.01	548	2	.01	885	.01	96	ND	ND	509	1	592	ND	ND	163
BHP 6	.6	.11	215	ND	20	ND	.32	3.8	4	96	152	1.99	.12	.46	63	2	.01	33	.01	59	ND	ND	ND	2	47	ND	ND	106
BHP 17	.1	.68	27	ND	57	ND	.04	.7	4	144	63	2.21	.01	.46	289	6	.02	19	.01	32	ND	ND	ND	2	7	ND	ND	63
BHP 18	.1	.35	56	ND	23	ND	.02	.6	2	46	31	2.41	.01	.10	212	3	.01	8	.01	21	ND	ND	ND	2	3	ND	ND	35
BHP 19	.1	.61	7	ND	33	ND	.05	.1	4	76	38	1.59	.01	.39	227	4	.01	12	.03	24	ND	ND	ND	2	3	ND	ND	42
BHP 20	.6	.38	132	ND	31	ND	.03	.6	4	34	135	.96	.04	.17	126	3	.02	21	.01	63	ND	ND	ND	2	3	ND	ND	61
BHP 21	.2	.15	89	ND	15	ND	.01	.1	1	108	68	.66	.03	.04	24	6	.01	8	.01	60	ND	ND	ND	1	2	ND	ND	41
BHP 22	2.5	.18	217	ND	23	ND	.01	.3	1	80	229	.66	.01	.02	32	1	.01	4	.01	123	ND	ND	ND	1	1	ND	ND	45
BHP 23	11.2	.18	260	ND	18	22	.01	.7	2	142	683	1.38	.01	.04	30	5	.01	10	.01	304	ND	ND	ND	2	1	ND	ND	127
BHP 24	.1	1.66	32	ND	27	ND	.06	1.3	17	93	152	4.71	.01	1.48	557	6	.02	38	.07	40	ND	ND	ND	5	6	ND	ND	70
21516	61.7	.52	6	ND	12	50	.10	62.8	31	81	3533	6.29	.01	.55	95	8	.07	49	.01	2632	ND	ND	ND	8	8	ND	ND	3610
21518	.8	2.33	5	ND	23	3	1.17	2.3	46	53	282	3.89	.23	1.07	417	3	.06	38	.08	99	ND	ND	ND	15	109	ND	ND	142
21519	.1	2.56	15	ND	139	ND	.14	1.8	14	63	61	4.18	.01	1.81	612	3	.02	22	.08	47	ND	ND	ND	5	14	ND	ND	113
21520	.1	.67	11	ND	26	ND	1.61	1.1	8	78	41	1.33	.33	1.19	457	3	.01	72	.02	19	ND	ND	ND	2	87	ND	ND	109
21521	.1	1.07	31	ND	41	ND	.05	.6	3	111	57	2.61	.01	.63	362	4	.02	10	.03	43	ND	ND	ND	4	8	ND	ND	39
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1989 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881636 GA JOB NUMBER: 881636 RAPITAN RESOURCES

SAMPLE #		Au ppb
LN0+00	0+00N	5
LN0+00	0+20N	10
LN0+00	0+40N	5
LN0+00	0+60N	5
LN0+00	0+80N	15
LN0+00	1+00N	nd
LN0+00	1+20N	nd
LN0+00	1+40N	nd
LN0+00	1+60N	10
LN0+00	1+70N	15
LN0+00	1+80N	10
LN0+00	1+90N	nd
LN0+00	2+00N	40
LN0+00	2+10N	nd
LN0+00	2+20N	10
LN0+00	2+40N	nd
LN0+00	2+60N	10
LN0+00	2+80N	10
LN0+00	3+00N	5
LN0+00	3+20N	nd
LN0+00	3+40N	5
LN0+00	3+60N	15
LN0+00	3+80N	10
LN0+00	4+00N	5
LN0+50E	0+00N	nd
LN0+50E	0+20N	nd
LN0+50E	0+30N	nd
LN0+50E	0+40N	15
LN0+50E	0+60N	5
LN0+50E	0+60N (B)	10
LN0+50E	0+80N	5
LN0+50E	1+00N	nd
LN0+50E	1+20N	10
LN0+50E	1+20N (B)	nd
LN0+50E	1+40N	10
LN0+50E	1+60N	nd
LN0+50E	1+80N	nd
LN0+50E	2+00N	10
LN0+50E	2+20N	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
LN0+50E 2+40N	5
LN0+50E 2+60N	15
LN0+50E 2+80N	30
LN0+50E 3+00N	10
LN0+50E 3+20N	15
LN0+50E 3+40N	5
LN0+50E 3+60N	15
LN0+50E 3+80N	nd
LN0+50E 4+00N	15
LN0+50W 0+00N	15
LN0+50W 0+10N	10
LN0+50W 0+20N	15
LN0+50W 0+40N	15
LN0+50W 0+60N	15
LN0+50W 0+80N	5
LN0+50W 1+00N	5
LN0+50W 1+20N	10
LN0+50W 1+40N	15
LN0+50W 1+60N	10
LN0+50W 1+70N	5
LN0+50W 1+80N	20
LN0+50W 1+90N	45
LN0+50W 2+00N	15
LN0+50W 2+10N	15
LN0+50W 2+20N	15
LN0+50W 2+40N	20
LN0+50W 2+60N	10
LN0+50W 2+80N	5
LN0+50W 3+00N	nd
LN0+50W 3+20N	10
LN0+50W 3+40N	10
LN0+50W 3+60N	10
LN0+50W 3+80N	25
LN0+50W 4+00N	10
LN1+00E 0+00N	nd
LN1+00E 0+20N	10
LN1+00E 0+40N	5
LN1+00E 0+60N	15
LN1+00E 0+80N	20
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
LN1+00E 1+00N	30
LN1+00E 1+20N	10
LN1+00E 1+40N	nd
LN1+00E 1+60N	5
LN1+00E 1+80N	15
LN1+00E 2+00N	20
LN1+00E 2+20N	nd
LN1+00E 2+40N	20
LN1+00E 2+60N	15
LN1+00E 2+80N	10
LN1+00E 3+00N	10
LN1+00E 3+20N	10
LN1+00E 3+40N	5
LN1+00E 3+60N	10
LN1+00E 3+80N	10
LN1+00E 4+00N	15
LN1+00W 0+00N	5
LN1+00W 0+20N	5
LN1+00W 0+40N	15
LN1+00W 0+60N	20
LN1+00W 0+80N	5
LN1+00W 1+00N	10
LN1+00W 1+20N	10
LN1+00W 1+40N	10
LN1+00W 1+60N	15
LN1+00W 1+80N	10
LN1+00W 2+00N	25
LN1+00W 2+20N	10
LN1+00W 2+40N	20
LN1+00W 2+60N	15
LN1+00W 2+80N	30
LN1+00W 3+00N	20
LN1+00W 3+20N	10
LN1+00W 3+40N	5
LN1+00W 3+60N	10
LN1+00W 3+80N	15
LN1+00W 4+00N	15
LN2+00E 0+00S	25
LN2+00E 0+20S	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1998 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
LN2+00E 0+40S	20
LN2+00E 0+60S	5
LN2+00E 0+80S	10
LN2+00E 1+00S	20
LN2+00E 1+20S	20
LN2+00E 1+40S	15
LN2+00E 1+60S	20
LN2+00E 1+80S	20
LN2+00E 2+00S	20
LN2+00E 2+20S	5
LN2+00E 2+40S	15
LN2+00E 2+60S	15
LN2+00E 2+80S	5
LN2+00E 3+00S	5
LN2+00E 3+20S	20
LN2+00E 3+20S QT	20
LN2+50E 0+00S	10
LN2+50E 0+20S	5
LN2+50E 0+40S	25
LN2+50E 0+60S	15
LN2+50E 0+80S	15
LN2+50E 1+00S	nd
LN2+50E 1+20S	30
LN2+50E 1+40S	10
LN2+50E 1+60S	5
LN2+50E 1+80S	nd
LN2+50E 2+00S	10
LN2+50E 2+20S	10
LN2+50E 2+40S	30
LN2+50E 2+60S	15
LN2+50E 2+80S	10
LN2+50E 3+00S	15
LN2+50E 3+20S	10
LN2+50E 3+40S	10
LN2+50E 3+60S	15
LN4+00E 0+00S	15
LN4+00E 0+20S	30
LN4+00E 0+40S	20
LN4+00E 0+60S	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
LN4+00E 0+80S	10
LN4+00E 1+00S	15
LN4+00E 1+20S	20
LN4+00E 1+40S	15
LN4+00E 1+60S	10
LN4+00E 1+80S	20
LN4+00E 2+00S	15
LN4+00E 2+20S	10
LN4+00E 2+40S	15
LN4+00E 2+60S	15
LN4+00E 2+80S	10
LN4+00E 3+00S	10
LN4+00E 3+20S	10
LN4+00E 3+40S	10
LN4+00E 3+60S	20
LN4+00E 3+80S	25
LN4+00E 4+00S	10
LN4+50E 0+00S	40
LN4+50E 0+20S	5
LN4+50E 0+40S	20
LN4+50E 0+60S	10
LN4+50E 0+80S	15
LN4+50E 1+00S	10
LN4+50E 1+20S	10
LN4+50E 1+40S	10
LN4+50E 1+60S	15
LN4+50E 1+80S	15
LN4+50E 2+00S	10
LN4+50E 2+20S	30
LN4+50E 2+40S	10
LN4+50E 2+60S	10
LN4+50E 2+80S	10
LN4+50E 2+90S	15
LN4+50E 3+00S	20
LN4+50E 3+20S	20
LN4+50E 3+40S	10
LN4+50E 3+60S	15
LN4+50E 3+80S	15
LN4+50E 4+00S	25
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #			Au ppb
BHP	7		55
BHP	8		280
BHP	9		50
BHP	10		40
BHP	11		35
BHP	12		20
BHP	13		15
BHP	14		25
BHP	15		25
BHP	16		25
BP	01		10
T1	0+00	M	20
T1	0+10	M	30
T1	0+21	M	30
T1	0+33	M	20
T1	0+47	M	10
T1	1+00	M	10
T1	1+15	M	10
T1	1+20	M	25
T1	1+40	M	15
T1	1+60	M	10
T1	1+60	M (B)	10
T1	1+80	M	10
T1	1+80	M (B)	nd
T1	2+00	M	5
T1	2+20	M	10
T1	2+40	M	10
T1	2+60	M	15
T1	2+80	M	20
T1	3+00	M	20
T1	3+10	M	5
T1	3+20	M	20
T1	3+40	M	20
T1	3+60	M	5
T1	3+80	M	15
T1	4+00	M	nd
T1	4+20	M	15
T1	4+40	M	15
T1	4+60	M	20

below. lower adit. open cuts.

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #			Au ppb
T1	4+80	M	10
T1	5+00	M	20
T1	5+10	M	15
T1	5+20	M	nd
T1	5+29	M	15
T1	5+40	M	5
T1	5+60	M	10
T1	5+80	M	10
T1	6+00	M	10
T1	6+20	M	25
T1	6+40	M	10
T1	6+75	M	20
T1	6+80	M	40
T1	7+00	M	10
T1	7+20	M	nd
T1	7+40	M	5
T1	7+60	M	5
T2	0+20	M	15
T2	0+40	M	10
T2	0+60	M	10
T2	0+80	M	10
T2	1+00	M	15
T2	1+20	M	5
T2	1+40	M	10
T2	1+60	M	10
T2	1+80	M	5
T2	2+00	M	10
T2	2+20	M	15
T2	2+40	M	20
T2	2+60	M	10
T2	2+80	M	20
T2	3+00	M	20
T2	3+20	M	15
T2	3+40	M	15
T2	3+60	M	5
T2	3+80	M	15
T2	4+00	M	15
T2	4+20	M	10
T2	4+40	M	5
DETECTION LIMIT			5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1968 Triumph Street
Vancouver, B.C. V5L 1K5
(604) 251-5656 FAX: 254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
T2 4+60 N	25
DC 1	15
DC 2	15
DC 3	15
DC 4	10
DC 5	5
DC 6	10
DC 7	40
DC 8	25
DC 9	15
DC 10	15
DC 11	10
DC 12	10
DC 13	30
DC 14	25
DC 15	20
DC 17	20
DC 18	10
DC 19	25
DC 20	15
DC 21	20
DC 22	35
DC 23	25
L5+50E 0+20N	5
L5+50E 0+40N	15
L5+50E 0+60N	5
L5+50E 0+80N	30
L5+50E 1+00N	15
L5+50E 1+20N	20
L5+50E 1+40N	20
L5+50E 1+60N	20
L5+50E 1+80N	15
L5+50E 2+00N	15
L5+50E 2+20N	15
L5+50E 2+40N	15
L5+50E 2+60N	10
L5+50E 2+80N	20
L5+50E 3+00N	15
L5+50E 3+20N	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L5+50E 3+40N	5
L5+50E 3+60N	5
L5+50E 3+80N	10
L5+50E 4+00N	20
L5+50E 0+00S	5
L5+50E 0+20S	15
L5+50E 0+40S	10
L5+50E 0+60S	15
L5+50E 0+80S	5
L5+50E 1+00S	10
L5+50E 1+20S	15
L5+50E 1+40S	20
L5+50E 1+60S	10
L5+50E 1+80S	5
L5+50E 2+00S	5
L5+50E 2+20S	10
L5+50E 2+40S	5
L5+50E 2+60S	20
L5+50E 2+80S	25
L5+50E 3+00S	15
L5+50E 3+20S	10
L5+50E 3+40S	5
L5+50E 3+60S	5
L5+50E 3+80S	15
L5+50E 4+00S	nd
L6+00E 0+00N	40
L6+00E 0+20N	15
L6+00E 0+40N	40
L6+00E 0+60N	25
L6+00E 0+80N	25
L6+00E 1+00N	20
L6+00E 1+20N	15
L6+00E 1+40N	15
L6+00E 1+60N	10
L6+00E 1+80N	10
L6+00E 2+00N	15
L6+00E 2+20N	10
L6+00E 2+40N	10
L6+00E 2+60N	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L6+00E 2+80N	10
L6+00E 3+00N	10
L6+00E 3+20N	5
L6+00E 3+40N	10
L6+00E 3+60N	10
L6+00E 3+80N	10
L6+00E 4+00N	5
L6+00E 0+20S	15
L6+00E 0+40S	20
L6+00E 0+60S	15
L6+00E 0+80S	10
L6+00E 1+00S	15
L6+00E 1+20S	15
L6+00E 1+40S	15
L6+00E 1+60S	15
L6+00E 1+80S	25
L6+00E 2+00S	nd
L6+00E 2+20S	20
L6+00E 2+40S	5
L6+00E 2+60S	10
L6+00E 2+80S	15
L6+00E 3+00S	nd
L6+00E 3+20S	25
L6+00E 3+40S	15
L6+00E 3+60S	10
L6+00E 3+80S	nd
L6+00E 4+00S	5
L7+00E 0+00N	15
L7+00E 0+20N	10
L7+00E 0+40N	10
L7+00E 0+60N	15
L7+00E 0+80N	15
L7+00E 1+00N	15
L7+00E 1+20N	5
L7+00E 1+40N	10
L7+00E 1+60N	5
L7+00E 1+80N	15
L7+00E 2+00N	15
L7+00E 2+20N	20
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L7+00E 2+40N	20
L7+00E 2+60N	10
L7+00E 2+80N	10
L7+00E 3+00N	30
L7+00E 3+20N	30
L7+00E 3+40N	20
L7+00E 3+60N	20
L7+00E 3+80N	20
L7+00E 4+00N	15
10+00E 0+20S	10
L7+00E 0+40S	20
L7+00E 0+60S	20
L7+00E 0+80S	10
L7+00E 1+00S	20
L7+00E 1+20S	5
L7+00E 1+40S	10
L7+00E 1+60S	10
L7+00E 1+80S	25
L7+00E 2+00S	20
L7+00E 2+20S	15
L7+00E 2+40S	25
L7+00E 2+60S	20
L7+00E 2+80S	nd
L7+00E 3+00S	10
L7+00E 3+20S	10
L7+00E 3+40S	15
L7+00E 3+60S	20
L7+00E 3+80S	20
L7+00E 4+00S	20
L7+50E 0+00N	20
L7+50E 0+20N	10
L7+50E 0+40N	25
L7+50E 0+60N	15
L7+50E 0+80N	10
L7+50E 1+00N	10
L7+50E 1+20N	5
L7+50E 1+40N	10
L7+50E 1+60N	5
L7+50E 1+80N	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1990 Triumph Street
Vancouver, B.C. V5L 1K5
(604) 251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881636 GA JOB NUMBER: 881636 RAPITAN RESOURCES

SAMPLE #	Au ppb
L7+50E 2+00N	25
L7+50E 2+20N	20
L7+50E 2+40N	15
L7+50E 2+60N	30
L7+50E 2+80N	20
L7+50E 3+00N	40
L7+50E 3+20N	20
L7+50E 3+40N	15
L7+50E 3+60N	20
L7+50E 3+80N	15
L7+50E 4+00N	10
L7+50E 0+20S	20
L7+50E 0+40S	20
L7+50E 0+60S	10
L7+50E 0+80S	15
L7+50E 1+00S	10
L7+50E 1+20S	1000
L7+50E 1+40S	20
L7+50E 1+60S	15
L7+50E 1+80S	10
L7+50E 2+00S	10
L7+50E 2+20S	15
L7+50E 2+40S	10
L7+50E 2+60S	10
L7+50E 2+80S	nd
L7+50E 3+00S	20
L7+50E 3+20S	20
L7+50E 3+40S	10
L7+50E 3+60S	15
L7+50E 3+80S	15
L7+50E 4+00S	15
T 600N	10

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET, VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -- NOT ANALYZED

COMPANY: RAPITAN RES
ATTENTION: B. PRICE
PROJECT: BH

REPORT#: 881259PA
JOB#: 881259
INVOICE#: 881259NA

DATE RECEIVED: 88/09/05
DATE COMPLETED: 88/10/03
COPY SENT TO:

ANALYST

LN 0

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
LN0+00 0+00N	.1	2.36	42	ND	85	ND	.61	2.1	24	29	103	4.60	.32	1.56	1379	1	.02	70	.15	61	ND	ND	ND	6	44	ND	ND	201
LN0+00 0+20N	.1	2.38	48	ND	111	ND	1.04	2.7	29	30	105	4.62	.40	1.56	2903	1	.02	73	.17	64	ND	ND	ND	5	63	ND	ND	207
LN0+00 0+40N	.2	2.63	62	ND	85	ND	1.25	2.2	33	62	106	4.33	.43	1.64	1361	1	.02	90	.27	61	ND	ND	ND	6	90	ND	ND	223
LN0+00 0+60N	.2	4.01	47	ND	123	ND	.56	1.3	39	97	95	5.74	.41	2.88	1405	2	.02	100	.13	64	ND	ND	ND	9	44	ND	ND	148
LN0+00 0+80N	.2	4.48	56	ND	120	ND	.36	1.7	44	118	106	6.46	.44	3.29	1496	2	.03	121	.12	75	ND	ND	ND	9	30	ND	ND	159
LN0+00 1+00N	.2	3.92	36	ND	134	ND	.40	1.6	39	93	96	5.65	.43	2.88	1508	2	.03	98	.12	69	ND	ND	ND	9	32	ND	ND	147
LN0+00 1+20N	.6	4.19	37	ND	144	3	.46	2.2	44	66	109	6.64	.54	3.57	1465	2	.03	90	.12	87	ND	ND	ND	11	30	ND	ND	203
LN0+00 1+40N	.2	3.97	47	ND	152	ND	.86	2.5	45	115	112	6.08	.59	3.37	1806	2	.03	130	.29	82	ND	ND	ND	9	82	ND	ND	247
LN0+00 1+60N	.2	4.75	46	ND	124	3	.72	2.1	58	71	102	7.96	.72	3.66	1374	2	.03	97	.22	70	ND	ND	ND	10	68	ND	ND	163
LN0+00 1+70N	.2	5.34	36	ND	110	3	.54	2.2	54	142	108	7.91	.70	4.25	917	2	.03	158	.17	69	ND	ND	ND	11	37	ND	ND	164
LN0+00 1+80N	.6	4.29	36	ND	136	3	.68	1.8	45	75	106	6.75	.66	3.27	1280	2	.03	103	.15	70	ND	ND	ND	12	44	ND	ND	174
LN0+00 1+90N	.6	3.52	42	ND	150	ND	.78	1.7	38	45	96	5.66	.60	2.47	1378	2	.03	74	.16	65	ND	ND	ND	10	49	ND	ND	176
LN0+00 2+00N	.6	3.72	44	ND	129	ND	.63	1.7	39	44	97	6.08	.64	2.79	1001	2	.03	72	.12	66	ND	ND	ND	11	33	ND	ND	160
LN0+00 2+10N	.1	1.82	43	ND	129	ND	.20	.8	22	30	110	3.67	.34	1.01	762	6	.03	76	.08	39	ND	ND	ND	5	19	ND	ND	188
LN0+00 2+20N	.1	1.82	44	ND	160	ND	.20	1.2	23	30	117	3.45	.35	1.01	1233	6	.03	81	.08	39	ND	ND	ND	5	22	ND	ND	196
LN0+00 2+40N	.1	2.13	55	ND	213	ND	.32	2.7	20	35	75	3.13	.38	.86	1581	4	.02	84	.08	45	ND	ND	ND	5	32	ND	ND	330
LN0+00 2+60N	.1	1.79	99	ND	291	ND	.30	2.5	18	27	72	3.12	.35	.61	2282	4	.02	67	.11	49	ND	ND	ND	4	39	ND	ND	322
LN0+00 2+80N	.1	1.92	136	ND	223	ND	.26	1.8	20	30	78	3.54	.41	.64	1657	5	.03	69	.06	53	ND	ND	ND	5	27	ND	ND	339
LN0+00 3+00N	.1	2.33	114	ND	210	ND	.28	1.7	21	51	55	3.47	.40	.96	1678	2	.02	83	.05	51	ND	ND	ND	5	28	ND	ND	209
LN0+00 3+20N	.1	2.45	113	ND	227	ND	.25	1.9	21	54	49	3.27	.39	.97	2149	2	.02	68	.08	56	ND	ND	ND	5	20	ND	ND	205
LN0+00 3+40N	.6	2.79	35	ND	140	ND	.40	1.1	30	55	61	4.15	.54	1.20	1221	1	.02	77	.16	48	ND	ND	ND	8	27	ND	ND	186
LN0+00 3+60N	.6	3.27	39	ND	169	ND	.52	.6	28	79	64	3.84	.48	1.45	873	2	.02	89	.04	52	ND	ND	ND	9	20	ND	ND	138
LN0+00 3+80N	.2	2.36	26	ND	162	ND	.26	.3	20	55	36	2.75	.36	.96	700	1	.02	73	.07	40	ND	ND	ND	7	18	ND	ND	128
LN0+00 4+00N	.2	2.32	26	ND	157	ND	.22	.2	20	52	34	2.47	.32	.88	551	ND	.02	71	.10	39	ND	ND	ND	6	16	ND	ND	179
LN0+50E 0+00N	.6	3.34	47	ND	130	ND	.46	1.1	33	113	93	4.73	.68	2.45	991	1	.02	118	.11	59	ND	ND	ND	8	34	ND	ND	139

LN 50E

LN0+50E 0+20N	.2	5.17	63	ND	72	3	.39	1.7	55	185	120	7.33	.97	4.37	1266	3	.03	190	.10	75	ND	ND	ND	10	23	ND	ND	169
LN0+50E 0+30N	.6	4.51	56	ND	79	ND	.52	1.6	46	141	118	6.44	.94	3.08	1117	3	.03	161	.13	81	ND	ND	ND	6	43	ND	ND	180
LN0+50E 0+40N	.2	4.35	46	ND	75	ND	.41	1.2	43	152	88	5.90	.86	3.15	944	2	.03	161	.08	64	ND	ND	ND	8	32	ND	ND	150
LN0+50E 0+60N	.6	4.37	38	ND	130	ND	.60	2.1	44	52	117	7.09	1.11	3.55	1170	2	.03	84	.15	85	ND	ND	ND	11	35	ND	ND	206
LN0+50E 0+60N(B)	.2	3.62	43	ND	115	ND	.51	1.6	36	55	91	5.56	.89	2.70	1006	1	.03	78	.17	70	ND	ND	ND	8	39	ND	ND	182
LN0+50E 0+80N	.1	4.79	39	ND	96	3	.63	2.1	51	146	136	7.48	1.21	3.33	1229	3	.03	169	.19	67	ND	ND	ND	8	52	ND	ND	216
LN0+50E 1+00N	.1	4.41	29	ND	104	ND	3.79	2.5	34	260	65	4.70	2.16	5.44	1095	1	.02	206	.27	55	ND	ND	ND	6	69	ND	ND	272
LN0+50E 1+20N	.1	6.01	56	ND	125	3	.54	2.5	58	227	132	8.01	1.31	4.84	1495	3	.03	235	.16	74	ND	ND	ND	9	48	ND	ND	192
LN0+50E 1+20N(B)	.1	5.54	46	ND	85	ND	.34	1.8	49	440	97	6.55	1.04	5.92	978	3	.02	382	.10	66	ND	ND	ND	7	25	ND	ND	169
LN0+50E 1+40N	.2	4.69	61	ND	89	3	.98	3.1	63	66	159	8.00	1.46	2.77	1618	5	.04	107	.16	66	ND	ND	ND	9	53	ND	ND	283
LN0+50E 1+60N	.6	4.66	42	ND	83	3	2.04	2.4	51	117	120	7.01	1.86	3.33	1067	2	.03	123	.12	62	ND	ND	ND	11	74	ND	ND	180
LN0+50E 1+80N	.1	5.12	35	ND	56	3	4.51	2.2	49	60	101	9.08	3.50	3.04	756	2	.04	98	.22	63	ND	ND	ND	7	216	ND	ND	276
LN0+50E 2+00N	.1	2.72	62	ND	295	ND	.58	3.5	34	46	105	3.60	.78	1.11	2226	5	.03	107	.11	52	ND	ND	ND	6	52	ND	ND	276
LN0+50E 2+20N	.1	2.83	55	ND	264	ND	.28	3.5	29	47	95	3.40	.66	1.33	2316	5	.02	106	.05	58	ND	ND	ND	6	25	ND	ND	373
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: RAPITAN RES JOB#: 881259 PROJECT: BH REPORT: 881259PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
LN0+50E 2+40N	.1	2.27	51	ND	211	ND	.29	3.2	20	49	48	3.22	.21	.90	1337	3	.02	72	.13	46	ND	ND	ND	5	31	ND	ND	368
LN0+50E 2+60N	.1	3.07	38	ND	193	ND	.44	3.5	32	53	79	5.13	.34	1.44	2555	2	.02	72	.25	52	ND	ND	ND	7	42	ND	ND	281
LN0+50E 2+80N	.2	4.57	42	ND	140	4	.65	2.4	44	77	109	7.85	.54	2.64	2151	2	.03	103	.18	65	ND	ND	ND	10	37	ND	ND	192
LN0+50E 3+00N	.7	5.09	57	ND	192	4	.78	2.2	48	135	123	7.16	.52	3.08	2796	3	.03	127	.14	70	ND	ND	ND	10	49	ND	ND	176
LN0+50E 3+20N	.1	2.77	31	ND	223	ND	.29	.8	22	64	46	3.29	.21	1.21	1524	1	.01	78	.11	45	ND	ND	ND	7	25	ND	ND	151
LN0+50E 3+40N	.1	2.07	23	ND	188	ND	.23	.4	18	44	29	2.44	.16	.81	924	ND	.01	60	.14	37	ND	ND	ND	6	17	ND	ND	195
LN0+50E 3+60N	.1	2.05	19	ND	162	ND	.24	.3	18	46	26	2.29	.15	.82	715	ND	.01	63	.10	36	ND	ND	ND	5	16	ND	ND	176
LN0+50E 3+80N	.1	2.02	23	ND	246	ND	.19	.3	18	47	31	2.41	.15	.80	1272	ND	.01	57	.13	36	ND	ND	ND	5	15	ND	ND	171
LN0+50E 4+00N	.1	2.78	28	ND	167	ND	.18	.5	21	65	66	3.24	.17	1.26	465	2	.02	80	.09	44	ND	ND	ND	6	12	ND	ND	165
LN0+50W 0+00N	.1	3.04	49	ND	107	3	.54	2.5	32	40	117	5.85	.36	1.94	1816	2	.03	83	.14	99	ND	ND	ND	7	35	ND	ND	227
LN0+50W 0+10N	.2	3.07	48	ND	111	ND	.51	2.7	29	94	124	4.98	.31	2.17	1696	1	.02	104	.13	176	ND	ND	ND	9	41	ND	ND	272
LN0+50W 0+20N	.2	2.36	36	ND	103	ND	1.44	2.5	24	53	88	4.67	.44	1.63	1653	1	.02	60	.14	91	ND	ND	ND	6	59	ND	ND	188
LN0+50W 0+40N	.2	2.90	48	ND	94	ND	.54	2.5	28	29	122	5.69	.36	1.89	1406	1	.03	74	.13	82	ND	ND	ND	7	37	ND	ND	216
LN0+50W 0+60N	.1	3.58	37	ND	111	3	.36	1.5	35	81	92	5.21	.32	2.49	1339	2	.02	89	.10	69	ND	ND	ND	7	31	ND	ND	150
LN0+50W 0+80N	.1	3.69	37	ND	137	3	.33	1.5	33	82	80	5.11	.30	2.56	1244	1	.02	85	.07	65	ND	ND	ND	8	28	ND	ND	136
LN0+50W 1+00N	.3	4.02	42	ND	138	3	.56	1.7	35	97	94	5.69	.36	3.02	1123	2	.03	98	.14	68	ND	ND	ND	8	45	ND	ND	154
LN0+50W 1+20N	1.1	4.16	39	ND	191	4	.49	1.7	36	44	96	6.27	.39	2.67	689	2	.03	64	.06	71	ND	ND	ND	11	33	ND	ND	157
LN0+50W 1+40N	1.1	3.99	34	ND	310	4	.45	1.9	41	37	85	6.26	.39	3.16	885	2	.02	64	.12	65	ND	ND	ND	11	25	ND	ND	156
LN0+50W 1+60N	1.1	5.24	47	ND	299	5	.71	2.6	60	43	107	8.18	.55	4.99	1388	3	.03	80	.13	74	ND	ND	ND	11	33	ND	ND	191
LN0+50W 1+70N	1.1	5.74	32	ND	353	6	.79	2.7	65	43	117	8.80	.62	5.65	1192	3	.03	89	.14	73	ND	ND	ND	12	32	ND	ND	185
LN0+50W 1+80N	.7	3.29	53	ND	116	3	3.35	4.3	39	28	127	5.71	.90	2.86	2515	2	.02	82	.15	93	ND	ND	ND	8	56	ND	ND	276
LN0+50W 1+90N	.1	2.27	61	ND	71	ND	.48	1.6	27	15	62	5.29	.49	1.22	1775	3	.03	41	.11	87	ND	ND	ND	5	35	ND	ND	174
LN0+50W 2+00N	4.1	4.47	38	ND	140	5	.71	16.2	82	30	335	7.73	.69	2.80	2953	3	.04	123	.20	457	ND	ND	ND	9	63	ND	ND	752
LN0+50W 2+10N	.1	2.44	93	ND	116	ND	6.38	2.7	32	21	121	4.44	1.71	1.86	2851	1	.02	75	.11	69	ND	ND	ND	6	78	ND	ND	185
LN0+50W 2+20N	.7	3.48	34	ND	165	3	.80	2.2	37	39	113	5.96	.60	2.22	3435	2	.03	75	.08	67	ND	ND	ND	10	39	ND	ND	212
LN0+50W 2+40N	1.1	4.20	40	ND	116	4	.68	2.1	46	42	120	6.68	.61	3.08	1552	2	.03	68	.12	67	ND	ND	ND	10	45	ND	ND	176
LN0+50W 2+60N	.2	3.81	30	ND	179	ND	.32	1.4	36	51	81	5.29	.59	2.33	1182	2	.02	72	.12	58	ND	ND	ND	9	22	ND	ND	170
LN0+50W 2+80N	.2	2.22	27	ND	181	ND	.35	1.9	23	26	56	3.39	.29	1.15	1289	ND	.02	45	.22	45	ND	ND	ND	6	29	ND	ND	192
LN0+50W 3+00N	.1	1.49	30	ND	117	ND	.25	.8	14	19	34	2.19	.19	.53	847	ND	.02	35	.11	42	ND	ND	ND	4	21	ND	ND	149
LN0+50W 3+20N	.1	2.26	52	ND	132	ND	.31	2.6	21	30	45	3.21	.33	.87	1310	1	.02	54	.12	58	ND	ND	ND	5	23	ND	ND	246
LN0+50W 3+40N	.1	1.76	29	ND	189	ND	.38	1.7	15	19	54	2.74	.22	.61	2444	1	.02	38	.14	68	ND	ND	ND	4	34	ND	ND	171
LN0+50W 3+60N	.1	1.04	19	ND	42	ND	.23	.1	8	8	26	1.56	.11	.30	516	ND	.02	16	.08	44	ND	ND	ND	3	19	ND	ND	95
LN0+50W 3+80N	.1	2.31	52	ND	72	ND	.22	.5	21	19	56	3.77	.24	.91	1071	2	.03	33	.07	71	ND	ND	ND	6	15	ND	ND	116
LN0+50W 4+00N	.7	2.81	46	ND	165	ND	.20	.5	21	56	54	3.18	.19	1.16	609	1	.02	71	.07	52	ND	ND	ND	7	17	ND	ND	134
LN1+00E 0+00N	.7	4.15	43	ND	119	3	.38	1.7	38	103	98	6.13	.42	2.78	1045	2	.03	120	.10	68	ND	ND	ND	9	27	ND	ND	162
LN1+00E 0+20N	.1	2.48	39	ND	102	ND	.60	1.5	26	62	71	3.92	.31	1.49	1008	1	.02	76	.21	48	ND	ND	ND	6	40	ND	ND	185
LN1+00E 0+40N	1.1	3.13	52	ND	64	ND	.61	1.2	28	76	79	4.85	.37	1.95	680	1	.03	96	.11	52	ND	ND	ND	6	33	ND	ND	145
LN1+00E 0+60N	1.3	4.24	105	ND	85	3	.43	1.9	54	121	118	7.37	.54	3.11	1335	3	.03	164	.10	66	ND	ND	ND	7	36	ND	ND	175
LN1+00E 0+80N	.1	4.28	110	ND	82	3	.38	2.1	55	118	103	7.57	.52	2.92	1896	4	.03	162	.13	82	ND	ND	ND	7	36	ND	ND	200
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

LN 50W

LN 100E

CLIENT: RAPITAN RES JOB#: 881259 PROJECT: BH REPORT: 881259PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
LN1+00E 1+00N	.1	4.12	63	ND	66	ND	.89	2.1	52	139	121	7.81	.56	3.02	2355	4	.03	167	.15	62	ND	ND	ND	7	58	ND	ND	216
LN1+00E 1+20N	.1	5.50	79	ND	78	ND	2.97	1.7	57	200	128	7.15	.86	5.12	1206	2	.02	206	.12	68	ND	ND	ND	8	82	ND	ND	163
LN1+00E 1+40N	.1	4.45	40	ND	65	ND	2.88	2.2	55	46	114	6.91	.83	3.16	1489	2	.03	74	.12	61	ND	ND	ND	9	71	ND	ND	178
LN1+00E 1+60N	.1	5.08	96	ND	127	ND	.81	3.1	65	59	174	8.58	.60	2.87	4528	4	.04	131	.27	74	ND	ND	ND	9	58	ND	ND	275
LN1+00E 1+80N	2.2	5.35	28	ND	58	4	1.06	2.5	66	151	157	8.60	.64	3.84	1676	2	.03	148	.16	72	ND	ND	ND	17	43	ND	ND	207
LN1+00E 2+00N	.1	3.75	38	ND	125	ND	1.53	2.5	37	49	109	5.79	.58	2.29	1580	2	.02	73	.12	61	ND	ND	ND	9	68	ND	ND	200
LN1+00E 2+20N	.1	2.37	40	ND	150	ND	.35	1.2	26	32	135	3.41	.22	1.21	2395	1	.03	76	.06	61	ND	ND	ND	6	32	ND	ND	218
LN1+00E 2+40N	.1	2.16	49	ND	148	ND	.36	2.1	21	31	123	3.27	.24	1.00	3128	1	.03	73	.12	62	ND	ND	ND	5	30	ND	ND	249
LN1+00E 2+60N	.1	2.33	31	ND	152	ND	.35	1.2	21	44	78	3.41	.22	1.08	1218	2	.02	63	.08	59	ND	ND	ND	6	30	ND	ND	189
LN1+00E 2+80N	.1	3.35	32	ND	285	ND	.36	2.7	33	66	76	4.69	.30	1.45	2568	2	.02	85	.17	57	ND	ND	ND	8	31	ND	ND	240
LN1+00E 3+00N	.1	2.49	27	ND	187	ND	.30	1.2	24	53	54	3.25	.20	1.02	1581	1	.02	71	.13	44	ND	ND	ND	6	23	ND	ND	238
LN1+00E 3+20N	.2	2.82	25	ND	152	ND	.29	.6	28	60	55	3.57	.22	1.08	1324	1	.02	76	.08	48	ND	ND	ND	7	20	ND	ND	175
LN1+00E 3+40N	.1	2.61	29	ND	213	ND	.38	.8	24	58	54	3.33	.22	1.20	2008	1	.02	67	.17	46	ND	ND	ND	7	33	ND	ND	166
LN1+00E 3+60N	.1	2.08	26	ND	188	ND	.22	.6	19	50	30	2.58	.16	.81	1783	1	.02	65	.15	39	ND	ND	ND	6	18	ND	ND	174
LN1+00E 3+80N	.1	2.27	25	ND	257	ND	.26	.6	22	69	36	2.77	.17	.93	1355	1	.02	83	.11	42	ND	ND	ND	6	16	ND	ND	164
LN1+00E 4+00N	.1	2.82	32	ND	160	ND	.19	.5	22	74	64	3.11	.19	1.33	521	1	.02	84	.10	45	ND	ND	ND	7	13	ND	ND	128
LN1+00W 0+00N	.1	2.87	35	ND	186	ND	.35	2.1	22	80	56	3.22	.20	1.25	906	1	.02	86	.05	75	ND	ND	ND	7	27	ND	ND	258
LN1+00W 0+20N	.1	2.59	35	ND	188	ND	.35	5.5	21	71	45	3.02	.20	1.13	1268	1	.02	84	.12	88	ND	ND	ND	7	28	ND	ND	424
LN1+00W 0+40N	.1	3.12	41	ND	217	ND	.51	5.5	27	97	66	3.90	.27	1.58	1561	1	.02	107	.20	75	ND	ND	ND	8	42	ND	ND	350
LN1+00W 0+60N	.5	3.52	40	ND	144	ND	.40	2.7	32	84	69	4.52	.30	1.67	1093	2	.02	114	.07	127	ND	ND	ND	9	29	ND	ND	363
LN1+00W 0+80N	.5	4.19	46	ND	116	ND	.44	4.1	40	57	108	5.75	.35	1.79	576	2	.03	104	.16	166	ND	ND	ND	11	36	ND	ND	397
LN1+00W 1+00N	.5	4.48	58	ND	140	ND	.50	4.5	43	60	120	6.58	.41	2.00	876	2	.03	101	.22	236	ND	ND	ND	11	44	ND	ND	417
LN1+00W 1+20N	.2	4.34	39	ND	125	ND	.76	3.2	43	54	120	6.84	.45	2.15	1112	2	.03	81	.17	136	ND	ND	ND	10	54	ND	ND	281
LN1+00W 1+40N	.1	4.92	49	ND	133	ND	.68	2.4	43	58	120	7.59	.48	2.38	724	2	.03	82	.16	86	ND	ND	ND	10	53	ND	ND	203
LN1+00W 1+60N	.2	4.77	57	ND	110	ND	.69	2.7	44	47	134	7.71	.50	1.97	1559	2	.03	68	.15	69	ND	ND	ND	9	52	ND	ND	169
LN1+00W 1+80N	.5	4.49	41	ND	141	3	.48	4.1	44	40	142	7.25	.44	2.33	1460	2	.03	85	.17	162	ND	ND	ND	10	50	ND	ND	359
LN1+00W 2+00N	3.2	4.37	44	ND	127	3	.64	18.2	63	40	192	7.71	.50	2.45	2670	3	.04	98	.16	540	ND	ND	ND	11	47	ND	ND	934
LN1+00W 2+20N	.5	4.66	42	ND	179	ND	.51	2.7	51	43	134	7.34	.45	2.87	3573	3	.03	85	.14	95	ND	ND	ND	10	38	ND	ND	211
LN1+00W 2+40N	.9	3.87	40	ND	162	ND	.55	1.5	37	48	110	5.79	.38	1.98	1331	2	.03	86	.07	62	ND	ND	ND	9	31	ND	ND	140
LN1+00W 2+60N	.1	4.37	79	ND	226	ND	.22	1.1	37	32	83	4.91	.30	1.92	2996	2	.02	78	.14	69	ND	ND	ND	7	27	ND	ND	185
LN1+00W 2+80N	.1	2.79	39	ND	219	ND	.26	1.8	28	34	99	3.55	.22	1.20	2636	2	.02	91	.08	64	ND	ND	ND	6	35	ND	ND	248
LN1+00W 3+00N	.1	2.82	70	ND	185	ND	.22	3.1	32	33	85	4.17	.27	1.16	5048	2	.03	83	.17	152	ND	ND	ND	6	27	ND	ND	303
LN1+00W 3+20N	.1	2.79	41	ND	219	ND	.28	1.2	25	52	87	3.52	.22	1.11	2592	2	.02	84	.13	94	ND	ND	ND	6	39	ND	ND	231
LN1+00W 3+40N	.1	2.57	39	ND	250	ND	.28	1.7	27	40	89	3.47	.22	.96	3094	2	.02	64	.17	64	ND	ND	ND	6	38	ND	ND	222
LN1+00W 3+60N	.1	2.57	38	ND	393	ND	.50	3.4	34	32	77	3.91	.28	.91	3684	3	.03	53	.19	56	ND	ND	ND	6	58	ND	ND	344
LN1+00W 3+80N	.1	2.45	51	ND	155	ND	.13	.5	21	38	53	3.32	.20	.86	1617	1	.02	52	.08	47	ND	ND	ND	6	14	ND	ND	186
LN1+00W 4+00N	.2	3.50	55	ND	149	ND	.20	.8	22	104	71	3.55	.20	1.70	505	2	.02	114	.08	54	ND	ND	ND	7	16	ND	ND	180
LN2+00E 0+00S	1.2	3.84	98	ND	61	ND	2.72	1.8	49	149	151	6.05	.71	3.85	927	3	.02	131	.10	171	ND	ND	ND	8	82	ND	ND	400
LN2+00E 0+20S	.1	2.66	85	ND	56	ND	.65	1.5	36	123	112	4.94	.34	2.34	924	5	.02	171	.10	54	ND	ND	ND	5	30	ND	ND	214
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

LN 100W.

LN 200E

CLIENT: RAPITAN RES JOB#: 881259 PROJECT: BH REPORT: 881259PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
LN2+00E 0+40S	.1	5.21	136	ND	58	3	.58	2.2	63	441	122	7.09	.43	5.97	949	6	.02	460	.11	77	ND	ND	ND	7	30	ND	ND	247
LN2+00E 0+60S	.1	2.27	36	ND	135	ND	.30	1.4	19	89	45	2.89	.17	1.34	944	1	.01	94	.07	48	ND	ND	ND	5	25	ND	ND	177
LN2+00E 0+80S	.2	2.95	33	ND	121	ND	.37	2.4	22	94	60	3.46	.21	1.49	487	1	.01	103	.09	57	ND	ND	ND	7	25	ND	ND	214
LN2+00E 1+00S	.1	2.98	44	ND	113	ND	.32	2.7	24	106	43	3.46	.20	1.63	864	1	.02	113	.09	56	ND	ND	ND	6	23	ND	ND	236
LN2+00E 1+20S	.4	5.16	57	ND	98	3	.61	3.7	49	315	116	7.10	.42	5.42	1159	3	.02	246	.06	113	ND	ND	ND	9	29	ND	ND	231
LN2+00E 1+40S	.1	2.98	61	ND	78	ND	.38	1.7	28	151	64	4.75	.28	2.78	1073	2	.02	127	.08	80	ND	ND	ND	5	31	ND	ND	162
LN2+00E 1+60S	.1	5.02	64	ND	111	ND	.45	2.5	45	547	81	5.72	.33	5.17	1569	4	.02	453	.10	70	ND	ND	ND	6	44	ND	ND	201
LN2+00E 1+80S	.2	1.29	31	ND	72	ND	.27	.9	13	57	21	2.02	.12	.74	456	ND	.01	68	.19	32	ND	ND	ND	4	38	ND	ND	165
LN2+00E 2+00S	.1	3.14	52	ND	100	ND	.27	3.2	27	218	48	3.89	.21	2.30	900	2	.02	214	.14	48	ND	ND	ND	5	26	ND	ND	221
LN2+00E 2+20S	.1	4.74	74	ND	77	ND	.24	4.7	37	424	98	5.72	.30	4.74	848	4	.02	349	.06	135	ND	ND	ND	7	24	ND	ND	409
LN2+00E 2+40S	1.1	1.47	108	ND	80	3	.20	3.1	13	75	186	2.23	.12	.83	424	ND	.02	76	.05	164	ND	ND	ND	3	23	ND	ND	571
LN2+00E 2+60S	.1	.90	30	ND	60	ND	.19	.3	9	70	22	1.29	.07	.57	601	ND	.01	58	.05	35	ND	ND	ND	2	24	ND	ND	82
LN2+00E 2+80S	.1	1.50	16	ND	35	ND	.17	.3	12	78	26	2.07	.11	.96	278	1	.02	105	.04	44	ND	ND	ND	2	19	ND	ND	68
LN2+00E 3+00S	1.2	4.92	26	ND	49	3	1.46	1.7	53	99	139	6.82	.48	3.39	851	2	.02	79	.05	61	ND	ND	ND	11	35	ND	ND	119
LN2+00E 3+20S	1.1	5.53	21	ND	65	3	2.17	2.2	66	143	180	7.00	.63	5.09	1504	2	.02	117	.05	61	ND	ND	ND	10	67	ND	ND	119
LN2+00E 3+20S QT	2.2	3.28	19	ND	28	ND	2.14	1.1	34	103	102	4.03	.45	2.49	614	1	.02	53	.06	44	ND	ND	ND	10	26	ND	ND	67
LN2+50E 0+00S	.4	3.24	36	ND	148	ND	.32	1.1	25	67	66	3.58	.18	1.31	523	1	.02	91	.10	52	ND	ND	ND	6	22	ND	ND	193
LN2+50E 0+20S	.4	2.15	23	ND	118	ND	.24	.5	17	49	38	2.44	.12	.86	512	ND	.01	61	.10	84	ND	ND	ND	5	17	ND	ND	161
LN2+50E 0+40S	.5	2.66	26	ND	126	ND	.32	.9	21	73	45	2.89	.15	1.08	641	1	.02	85	.07	59	ND	ND	ND	6	22	ND	ND	191
LN2+50E 0+60S	1.1	2.78	47	ND	109	ND	.29	.9	22	115	51	3.25	.16	1.50	608	1	.02	117	.12	74	ND	ND	ND	6	23	ND	ND	176
LN2+50E 0+80S	.1	4.49	60	ND	74	ND	.24	2.2	31	343	91	5.63	.26	4.23	759	4	.02	302	.09	83	ND	ND	ND	7	18	ND	ND	208
LN2+50E 1+00S	.4	3.15	39	ND	104	ND	.33	1.1	23	121	62	3.66	.17	1.77	424	1	.02	115	.06	58	ND	ND	ND	6	21	ND	ND	141
LN2+50E 1+20S	.1	3.48	40	ND	73	ND	.17	1.6	27	252	107	4.97	.22	3.30	449	8	.02	232	.06	63	ND	ND	ND	5	16	ND	ND	193
LN2+50E 1+40S	.1	3.70	52	ND	214	85	.36	1.7	36	236	67	4.63	.22	2.44	1758	3	.02	242	.20	62	ND	ND	ND	6	37	ND	ND	220
LN2+50E 1+60S	.1	3.47	58	ND	132	ND	.31	1.4	34	196	73	4.40	.21	2.20	1383	3	.02	181	.13	61	ND	ND	ND	6	30	ND	ND	182
LN2+50E 1+80S	.1	4.42	69	ND	132	ND	.32	2.2	40	471	68	5.00	.23	4.20	1574	4	.02	385	.11	63	ND	ND	ND	6	35	ND	ND	184
LN2+50E 2+00S	.1	4.95	69	ND	66	ND	.23	1.9	39	452	122	6.58	.28	5.06	680	5	.02	357	.05	67	ND	ND	ND	7	17	ND	ND	177
LN2+50E 2+20S	.1	3.83	45	ND	94	ND	.27	3.7	34	337	65	4.26	.19	3.34	740	2	.02	285	.06	72	ND	ND	ND	6	24	ND	ND	263
LN2+50E 2+40S	8.6	1.78	222	ND	58	13	.24	6.2	16	104	817	3.10	.13	1.35	549	3	.02	75	.06	443	ND	ND	ND	5	22	ND	ND	872
LN2+50E 2+60S	.1	1.34	36	ND	80	ND	.16	.4	9	30	35	1.60	.08	.55	510	ND	.01	38	.03	53	ND	ND	ND	2	20	ND	ND	137
LN2+50E 2+80S	.1	2.42	52	ND	84	ND	.41	.9	22	94	52	3.18	.15	1.46	819	2	.02	155	.07	53	ND	ND	ND	5	37	ND	ND	165
LN2+50E 3+00S	.1	3.34	31	ND	88	ND	.34	1.5	35	103	114	6.34	.27	1.71	324	3	.02	134	.06	56	ND	ND	ND	6	21	ND	ND	186
LN2+50E 3+20S	1.1	4.10	25	ND	76	ND	1.58	1.7	47	109	146	5.88	.36	2.99	1078	1	.02	76	.05	53	ND	ND	ND	10	66	ND	ND	122
LN2+50E 3+40S	1.1	4.32	23	ND	103	ND	1.69	1.6	57	110	134	6.31	.33	3.15	1684	2	.02	77	.09	57	ND	ND	ND	10	47	ND	ND	116
LN2+50E 3+60S	.3	4.68	24	ND	109	3	1.19	2.2	59	167	256	7.96	.39	4.18	2945	2	.02	167	.07	61	ND	ND	ND	9	29	ND	ND	133
LN4+00E 0+00S	.1	3.07	90	ND	70	ND	.29	1.4	35	73	117	5.22	.21	1.96	1216	3	.02	128	.12	63	ND	ND	ND	6	25	ND	ND	181
LN4+00E 0+20S	.2	4.09	93	ND	103	ND	.40	1.7	34	120	110	5.84	.24	2.50	977	4	.03	158	.05	96	ND	ND	ND	7	31	ND	ND	211
LN4+00E 0+40S	.5	3.51	85	ND	74	ND	.37	1.6	36	63	84	4.99	.20	1.66	643	2	.02	111	.11	59	ND	ND	ND	7	28	ND	ND	244
LN4+00E 0+60S	.3	1.55	19	ND	47	ND	.23	.4	16	26	26	2.29	.10	.62	420	ND	.01	43	.06	30	ND	ND	ND	4	16	ND	ND	143
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

LN 250 E

LN 400 E

CLIENT: RAPITAN RES JOB#: B81259 PROJECT: BH REPORT: B81259PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
LN4+00E 0+80S	.1	1.73	18	ND	85	ND	.30	1.1	17	33	31	2.55	.17	.67	609	1	.01	55	.16	35	ND	ND	ND	4	22	ND	ND	209
LN4+00E 1+00S	.1	1.10	13	ND	49	ND	.19	1.1	12	27	23	1.74	.04	.47	319	ND	.01	48	.09	24	ND	ND	ND	2	17	ND	ND	160
LN4+00E 1+20S	.1	1.41	21	ND	124	ND	.22	1.2	12	67	26	1.99	.08	.80	585	1	.01	75	.14	29	ND	ND	ND	3	21	ND	ND	214
LN4+00E 1+40S	.3	1.79	40	ND	109	ND	.20	5.5	19	68	55	2.92	.18	.96	1074	2	.02	100	.10	60	ND	ND	ND	3	21	ND	ND	305
LN4+00E 1+60S	.1	2.60	55	ND	87	ND	.14	3.2	24	154	52	3.70	.24	1.68	845	3	.02	175	.09	57	ND	ND	ND	4	15	ND	ND	249
LN4+00E 1+80S	.1	2.74	57	ND	60	ND	.15	1.5	23	175	59	3.48	.21	2.02	524	2	.02	190	.06	61	ND	ND	ND	4	14	ND	ND	194
LN4+00E 2+00S	.9	2.64	60	ND	83	4	.21	5.7	16	188	114	3.98	.26	2.15	510	3	.02	144	.08	277	ND	ND	ND	6	27	ND	ND	549
LN4+00E 2+20S	.1	1.22	14	ND	82	ND	.15	1.2	8	18	14	1.47	.14	.38	485	1	.01	24	.05	36	ND	ND	ND	2	13	ND	ND	238
LN4+00E 2+40S	.4	1.52	23	ND	151	ND	.32	1.2	12	29	20	2.02	.23	.46	1879	2	.02	35	.12	47	ND	ND	ND	3	24	ND	ND	286
LN4+00E 2+60S	.5	2.23	31	ND	92	ND	.21	1.7	21	72	34	2.60	.24	1.00	569	2	.02	94	.05	55	ND	ND	ND	4	17	ND	ND	327
LN4+00E 2+80S	.4	1.89	22	ND	79	ND	.19	1.5	17	59	28	2.30	.23	.89	530	1	.01	83	.04	67	ND	ND	ND	4	14	ND	ND	237
LN4+00E 3+00S	.1	2.37	33	ND	142	ND	.22	2.1	23	123	29	2.94	.32	1.22	1502	2	.02	131	.18	47	ND	ND	ND	4	18	ND	ND	279
LN4+00E 3+20S	.1	1.71	27	ND	89	ND	.16	1.1	14	86	27	2.29	.29	1.02	529	1	.01	93	.10	33	ND	ND	ND	3	17	ND	ND	153
LN4+00E 3+40S	.1	3.74	131	ND	71	3	.79	6.3	47	290	159	7.19	.80	3.57	2120	6	.02	321	.14	95	ND	ND	ND	5	61	ND	ND	421
LN4+00E 3+60S	.1	4.14	198	ND	54	3	.35	2.8	46	347	170	7.23	.68	3.80	1292	5	.02	304	.04	75	ND	ND	ND	5	26	ND	ND	195
LN4+00E 3+80S	1.1	1.86	150	ND	85	ND	.19	.8	12	60	175	2.77	.17	.95	244	2	.01	54	.02	84	ND	ND	ND	4	14	ND	ND	88
LN4+00E 4+00S	.3	1.00	39	ND	99	ND	.12	.5	7	10	19	1.31	.01	.26	257	ND	.01	20	.02	28	ND	ND	ND	2	12	ND	ND	137
LN4+50E 0+00S	.1	2.93	114	ND	80	ND	.46	1.7	31	100	90	4.92	.46	1.74	1115	4	.02	133	.05	68	ND	ND	ND	4	36	ND	ND	196
LN4+50E 0+20S	.1	4.48	128	ND	55	3	.25	2.1	49	147	135	7.46	.72	4.01	1074	4	.02	196	.06	91	ND	ND	ND	6	29	ND	ND	174
LN4+50E 0+40S	.1	2.80	112	ND	70	ND	.41	1.7	33	145	145	4.65	.61	2.10	1232	7	.02	190	.08	91	ND	ND	ND	5	31	ND	ND	249
LN4+50E 0+60S	1.1	4.13	57	ND	76	3	.92	2.2	56	111	132	6.79	.67	3.31	1427	3	.02	161	.16	89	ND	ND	ND	7	48	ND	ND	196
LN4+50E 0+80S	.3	2.99	39	ND	83	ND	.61	1.9	35	67	74	4.80	.32	1.82	1180	1	.02	91	.13	49	ND	ND	ND	5	49	ND	ND	161
LN4+50E 1+00S	.1	2.80	68	ND	104	ND	.38	2.2	27	98	73	4.28	.17	1.43	1813	3	.02	130	.13	52	ND	ND	ND	4	37	ND	ND	326
LN4+50E 1+20S	.1	2.51	52	ND	76	ND	.33	2.4	26	154	71	3.68	.08	1.91	924	3	.02	172	.16	50	ND	ND	ND	4	33	ND	ND	283
LN4+50E 1+40S	.5	1.56	35	ND	79	ND	.23	2.1	17	71	37	2.35	.01	.91	830	1	.02	97	.11	46	ND	ND	ND	3	24	ND	ND	216
LN4+50E 1+60S	.1	.94	61	ND	21	ND	.16	.3	5	16	30	1.74	.01	.36	164	1	.01	27	.08	50	ND	ND	ND	1	14	ND	ND	98
LN4+50E 1+80S	.3	.68	24	ND	34	ND	.16	.1	4	4	9	1.13	.01	.20	317	ND	.01	10	.03	39	ND	ND	ND	1	13	ND	ND	58
LN4+50E 2+00S	.1	.60	15	ND	33	ND	.12	.6	5	7	11	1.02	.01	.19	197	ND	.01	14	.07	21	ND	ND	ND	2	13	ND	ND	117
LN4+50E 2+20S	.1	.59	32	ND	23	ND	.20	.1	2	1	28	1.17	.01	.19	226	ND	.01	5	.04	30	ND	ND	ND	1	13	ND	ND	85
LN4+50E 2+40S	.1	1.49	39	ND	112	ND	.27	1.1	10	49	21	1.98	.01	.70	1114	1	.01	48	.05	37	ND	ND	ND	3	26	ND	ND	195
LN4+50E 2+60S	.1	1.17	22	ND	101	ND	.19	1.1	8	19	13	1.51	.01	.38	697	1	.01	27	.03	37	ND	ND	ND	2	16	ND	ND	146
LN4+50E 2+80S	.3	3.49	48	ND	132	ND	.20	3.6	27	124	82	4.08	.11	1.67	982	4	.02	173	.05	95	ND	ND	ND	6	17	ND	ND	524
LN4+50E 2+90S	.3	4.72	175	ND	32	3	.37	2.4	36	442	122	7.04	.60	4.16	1466	6	.02	341	.09	74	ND	ND	ND	6	20	ND	ND	196
LN4+50E 3+00S	.1	3.82	143	ND	62	ND	.35	2.2	29	253	122	6.83	.60	3.00	1620	5	.02	238	.05	63	ND	ND	ND	6	23	ND	ND	172
LN4+50E 3+20S	.1	4.48	91	ND	49	3	.38	2.1	43	419	96	6.08	.53	4.79	964	5	.02	376	.10	67	ND	ND	ND	6	20	ND	ND	173
LN4+50E 3+40S	.1	3.42	48	ND	20	ND	.67	1.7	28	351	57	4.26	.41	3.96	587	3	.01	275	.09	57	ND	ND	ND	4	19	ND	ND	125
LN4+50E 3+60S	.4	2.60	38	ND	104	ND	.26	1.5	23	97	41	3.01	.18	1.26	547	2	.01	104	.10	46	ND	ND	ND	5	13	ND	ND	236
LN4+50E 3+80S	.6	2.37	46	ND	112	ND	.26	2.2	19	75	52	2.94	.16	1.14	250	1	.01	75	.02	46	ND	ND	ND	5	16	ND	ND	157
LN4+50E 4+00S	.6	1.02	209	ND	150	ND	.15	.1	7	17	32	1.93	.05	.23	417	ND	.01	22	.03	71	ND	ND	ND	2	15	ND	ND	63
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

LN450E

CLIENT: RAPITAN RES JOB#: 881259 PROJECT: BH REPORT: 881259PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
SOIL LINE S.W. of LOWER ADIT																												
BHP 7	4.1	2.14	138	ND	42	8	.24	10.9	36	150	350	4.92	.31	2.31	701	4	.02	289	.05	243	ND	ND	ND	6	28	ND	ND	637
BHP 8	6.2	1.47	2622	ND	43	10	1.11	33.5	52	85	1480	8.51	.66	2.15	1005	4	.04	261	.06	350	ND	ND	ND	6	101	ND	ND	1271
BHP 9	12.3	2.43	242	ND	32	9	1.67	33.4	37	204	599	7.88	.72	3.50	654	4	.04	313	.07	936	ND	ND	ND	9	73	ND	ND	1689
BHP 10	9.6	2.31	195	ND	30	10	.79	34.1	41	122	584	6.16	.44	3.35	475	3	.04	241	.06	619	ND	ND	ND	7	60	ND	ND	1496
BHP 11	1.6	2.16	172	ND	81	3	.95	5.1	37	119	212	4.09	.34	2.05	790	2	.02	340	.06	175	ND	ND	ND	6	49	ND	ND	371
BHP 12	1.1	3.97	83	ND	87	4	1.42	2.4	50	165	144	6.42	.56	3.64	1120	4	.02	189	.11	87	ND	ND	ND	8	56	ND	ND	226
BHP 13	1.1	2.97	65	ND	102	3	.65	2.7	33	123	115	4.86	.34	2.63	769	3	.02	140	.09	74	ND	ND	ND	7	35	ND	ND	195
BHP 14	.5	3.40	109	ND	76	4	.82	2.5	41	150	125	5.66	.42	3.16	997	3	.02	166	.11	99	ND	ND	ND	7	39	ND	ND	227
BHP 15	.5	4.41	175	ND	50	4	1.09	2.2	49	207	119	6.77	.52	4.30	1026	3	.02	210	.11	93	ND	ND	ND	7	42	ND	ND	213
BHP 16	1.6	4.44	283	ND	51	5	1.15	4.1	56	181	358	7.40	.57	4.38	1063	4	.03	196	.12	286	ND	ND	ND	7	47	ND	ND	421
BP 01	.5	3.21	38	ND	195	ND	.45	3.1	23	80	58	3.60	.25	1.28	927	2	.02	97	.04	66	ND	ND	ND	6	27	ND	ND	290
TRAIL 1 TI 0+00M	.4	3.62	127	ND	30	4	.89	2.4	44	91	261	6.69	.48	3.33	608	5	.03	130	.06	66	ND	ND	ND	7	25	ND	ND	277
TI 0+10M	.5	5.83	288	ND	49	5	1.92	2.1	124	211	252	9.01	.82	5.86	1397	5	.02	271	.08	88	ND	ND	ND	7	48	ND	ND	302
TI 0+21M	.5	3.22	133	ND	111	3	1.06	2.2	51	109	146	6.49	.49	2.14	1401	3	.02	181	.09	63	ND	ND	ND	7	50	ND	ND	245
TI 0+33M	.4	1.94	35	ND	114	ND	.22	.9	21	55	40	2.73	.17	.93	948	1	.02	88	.07	45	ND	ND	ND	5	18	ND	ND	223
TI 0+47M	.4	2.23	24	ND	183	ND	.26	1.2	20	55	37	2.57	.17	.78	1311	ND	.02	76	.14	45	ND	ND	ND	5	22	ND	ND	255
TI 1+00M	.5	3.74	42	ND	146	ND	.38	1.7	33	78	78	4.66	.30	1.67	743	2	.02	126	.14	65	ND	ND	ND	7	24	ND	ND	358
TI 1+15M	.1	2.45	37	ND	161	ND	.31	.9	23	52	41	2.99	.20	.95	1168	1	.02	76	.09	49	ND	ND	ND	5	26	ND	ND	220
TI 1+20M	.4	3.37	40	ND	128	ND	.33	.9	29	64	57	3.45	.23	1.35	764	1	.02	104	.08	52	ND	ND	ND	7	21	ND	ND	232
TI 1+40M	.4	3.53	42	ND	124	ND	.37	1.5	29	76	75	4.45	.28	1.65	562	2	.02	115	.12	55	ND	ND	ND	6	26	ND	ND	303
TI 1+60M	.4	1.67	21	ND	93	ND	.21	.4	15	36	29	2.04	.13	.67	430	ND	.01	51	.09	32	ND	ND	ND	4	15	ND	ND	162
TI 1+60M (B)	.4	1.32	17	ND	94	ND	.19	.1	11	25	22	1.59	.10	.41	432	ND	.01	35	.12	29	ND	ND	ND	4	17	ND	ND	159
TI 1+80M	.5	2.97	34	ND	141	ND	.35	.8	23	62	51	3.23	.20	1.14	574	1	.02	89	.13	53	ND	ND	ND	6	23	ND	ND	253
TI 1+80M (B)	.1	1.98	25	ND	112	ND	.24	.6	16	52	32	2.40	.15	.86	766	ND	.01	61	.10	37	ND	ND	ND	5	19	ND	ND	169
TI 2+00M	.1	1.88	33	ND	99	ND	.24	1.1	16	86	36	2.34	.15	1.12	768	ND	.01	86	.10	38	ND	ND	ND	4	19	ND	ND	172
TI 2+20M	.5	2.04	30	ND	196	ND	.55	1.5	19	59	41	2.51	.20	.89	1474	1	.01	79	.18	39	ND	ND	ND	5	44	ND	ND	210
TI 2+40M	.5	2.59	30	ND	149	ND	.31	1.2	22	71	47	3.18	.19	1.25	680	1	.02	88	.08	46	ND	ND	ND	6	22	ND	ND	186
TI 2+60M	.4	1.69	23	ND	115	ND	.27	.6	17	32	27	2.18	.14	.60	941	ND	.01	52	.11	35	ND	ND	ND	4	24	ND	ND	200
TI 2+80M	.4	2.72	36	ND	109	ND	.24	1.1	25	60	56	3.48	.21	1.21	742	2	.02	92	.06	44	ND	ND	ND	6	19	ND	ND	184
TI 3+00M	.5	2.74	40	ND	107	ND	.38	.9	22	75	61	3.53	.22	1.52	659	1	.02	81	.06	47	ND	ND	ND	7	28	ND	ND	117
TI 3+10M	.4	3.01	55	ND	104	ND	.32	1.1	26	78	60	3.84	.24	1.62	641	2	.02	93	.07	53	ND	ND	ND	7	24	ND	ND	152
TI 3+20M	.5	3.85	57	ND	98	3	.43	1.6	33	122	101	5.35	.33	2.68	799	2	.02	124	.08	62	ND	ND	ND	8	31	ND	ND	140
TI 3+40M	.1	2.91	45	ND	197	ND	.38	1.6	30	69	61	3.93	.25	1.37	1902	3	.02	101	.12	51	ND	ND	ND	6	33	ND	ND	230
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: RAPITAN RES JOB#: 881259 PROJECT: BH REPORT: 881259PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
T1 3+60M	.2	3.24	55	ND	126	ND	.32	1.3	33	77	64	4.47	.25	1.48	1299	3	.02	126	.08	53	ND	ND	ND	6	28	ND	ND	228
T1 3+80M	.2	3.12	43	ND	134	ND	.31	1.5	28	75	52	4.00	.22	1.57	1206	2	.02	93	.08	51	ND	ND	ND	6	22	ND	ND	177
T1 4+00M	.2	2.17	38	ND	107	ND	.20	1.1	21	39	38	2.98	.16	.81	861	2	.01	72	.08	38	ND	ND	ND	4	19	ND	ND	219
T1 4+20M	.1	3.25	106	ND	86	ND	.22	1.5	29	181	98	5.02	.27	2.34	653	5	.02	200	.06	57	ND	ND	ND	5	20	ND	ND	209
T1 4+40M	.1	2.86	53	ND	91	ND	.15	1.2	24	168	49	3.52	.17	1.94	648	3	.02	189	.06	47	ND	ND	ND	4	15	ND	ND	190
T1 4+60M	.2	2.30	43	ND	91	ND	.18	2.1	20	154	28	2.84	.14	1.75	735	1	.01	135	.11	41	ND	ND	ND	4	17	ND	ND	219
T1 4+80M	.5	1.70	24	ND	149	ND	.36	1.7	14	42	24	2.09	.13	.69	659	ND	.01	52	.22	32	ND	ND	ND	4	29	ND	ND	207
T1 5+00M	.6	2.17	32	ND	110	ND	.23	2.2	18	95	46	2.88	.15	1.32	628	1	.02	90	.10	75	ND	ND	ND	4	16	ND	ND	287
T1 5+10M	.2	1.13	18	ND	138	ND	.20	1.5	10	30	16	1.57	.08	.41	496	ND	.01	29	.25	32	ND	ND	ND	3	24	ND	ND	181
T1 5+20M	.3	1.61	24	ND	94	ND	.18	2.1	13	72	38	2.26	.11	.94	595	ND	.01	62	.10	68	ND	ND	ND	4	15	ND	ND	221
T1 5+29M	.3	2.88	55	ND	181	3	.27	6.6	20	158	158	4.15	.20	1.81	995	2	.02	149	.15	205	ND	ND	ND	6	36	ND	ND	573
T1 5+40M	1.3	1.49	20	ND	163	ND	.24	6.1	15	37	25	1.88	.10	.52	875	ND	.02	61	.13	45	ND	ND	ND	4	19	ND	ND	366
T1 5+60M	.3	1.66	30	ND	102	ND	.26	1.3	13	55	25	2.14	.11	.73	629	1	.01	56	.06	39	ND	ND	ND	3	20	ND	ND	204
T1 5+80M	.2	.98	13	ND	63	ND	.14	1.2	10	25	14	1.40	.07	.32	444	ND	.01	36	.03	23	ND	ND	ND	2	12	ND	ND	173
T1 6+00M	.1	1.05	14	ND	55	ND	.10	.7	5	10	9	1.23	.05	.24	117	ND	.01	15	.04	31	ND	ND	ND	1	9	ND	ND	207
T1 6+20M	.1	1.22	26	ND	44	ND	.11	.1	7	15	16	1.68	.07	.31	185	3	.01	21	.03	32	ND	ND	ND	2	10	ND	ND	177
T1 6+40M	.1	2.58	43	ND	106	ND	.20	2.7	22	97	38	3.14	.14	1.30	724	1	.02	114	.08	49	ND	ND	ND	4	19	ND	ND	531
T1 6+75M	.1	.33	62	ND	35	ND	.10	.3	2	19	82	1.40	.06	.13	112	ND	.01	8	.03	47	ND	ND	ND	1	10	ND	ND	94
T1 6+80M	1.7	1.29	290	ND	93	5	.13	1.5	7	30	361	4.83	.19	.51	260	3	.02	27	.08	293	ND	ND	ND	3	20	ND	ND	208
T1 7+00M	.3	2.09	332	ND	227	ND	.28	4.1	13	27	56	3.75	.16	.53	245	1	.02	40	.05	95	ND	ND	ND	4	37	ND	ND	367
T1 7+20M	.2	1.92	22	ND	110	ND	.37	2.1	19	66	43	2.48	.12	.80	904	ND	.01	80	.10	33	ND	ND	ND	4	24	ND	ND	182
T1 7+40M	.1	5.05	34	ND	104	ND	.47	1.9	47	414	86	5.53	.23	6.07	737	2	.01	638	.07	61	ND	ND	ND	7	42	ND	ND	106
T1 7+60M	.1	3.51	21	ND	148	ND	.47	1.5	30	59	79	5.08	.21	1.62	821	2	.02	73	.04	47	ND	ND	ND	7	18	ND	ND	140
T2 0+20M	.2	2.34	23	ND	160	ND	.39	3.6	19	65	68	2.95	.14	.94	855	1	.02	83	.04	57	ND	ND	ND	5	30	ND	ND	306
T2 0+40M	.1	.79	44	ND	32	ND	.08	.1	8	20	38	1.35	.05	.31	131	ND	.01	25	.01	32	ND	ND	ND	1	7	ND	ND	90
T2 0+60M	.3	2.85	39	ND	154	ND	.31	4.6	24	122	58	3.48	.14	1.51	951	2	.02	130	.04	92	ND	ND	ND	5	22	ND	ND	355
T2 0+80M	1.3	3.26	126	ND	118	4	.31	5.7	29	290	266	4.51	.17	2.59	975	3	.02	329	.05	179	ND	ND	ND	6	26	ND	ND	461
T2 1+00M	.2	3.17	103	ND	126	3	.31	4.8	29	230	162	4.32	.16	2.66	1193	3	.02	207	.08	149	ND	ND	ND	7	29	ND	ND	344
T2 1+20M	.2	2.40	37	ND	158	ND	.27	2.5	20	92	49	2.99	.11	1.24	1050	1	.02	100	.06	63	ND	ND	ND	5	25	ND	ND	244
T2 1+40M	.2	3.24	42	ND	129	ND	.32	4.1	27	170	59	3.73	.14	2.10	953	2	.02	165	.04	62	ND	ND	ND	6	31	ND	ND	276
T2 1+60M	.1	4.18	39	ND	144	ND	.43	3.5	35	486	56	4.36	.16	4.80	1277	2	.01	355	.15	60	ND	ND	ND	7	43	ND	ND	200
T2 1+80M	.3	3.25	40	ND	108	ND	.32	1.7	27	103	62	4.22	.15	1.87	650	1	.02	103	.07	54	ND	ND	ND	7	27	ND	ND	140
T2 2+00M	.1	2.95	30	ND	202	ND	.35	1.7	25	105	54	3.30	.12	1.44	1290	1	.01	102	.14	46	ND	ND	ND	6	27	ND	ND	163
T2 2+20M	.5	2.92	33	ND	155	ND	.46	1.9	21	106	73	3.41	.12	1.56	489	1	.01	90	.06	45	ND	ND	ND	6	23	ND	ND	130
T2 2+40M	.3	2.76	31	ND	168	ND	.63	1.2	20	82	61	3.14	.13	1.23	921	1	.01	68	.08	42	ND	ND	ND	6	27	ND	ND	98
T2 2+60M	.6	3.10	38	ND	188	ND	.77	1.2	24	104	80	3.55	.16	1.68	505	1	.01	82	.09	49	ND	ND	ND	7	26	ND	ND	97
T2 2+80M	1.2	3.46	39	ND	150	ND	.82	1.2	25	105	95	3.80	.24	1.71	705	1	.02	88	.11	54	ND	ND	ND	7	32	ND	ND	117
T2 3+00M	.5	3.39	26	ND	134	ND	.64	1.2	30	80	72	2.90	.22	1.69	1123	1	.01	77	.12	45	ND	ND	ND	7	20	ND	ND	116
T2 3+20M	.2	3.08	32	ND	168	ND	.48	1.1	23	91	63	3.35	.19	1.46	810	1	.01	81	.15	46	ND	ND	ND	6	21	ND	ND	122
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

TRAIL 2

CLIENT: RAPITAN RES JOB#: 881259 PROJECT: BH REPORT: 881259PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
T2 3+40M	.1	2.31	23	ND	113	ND	.29	1.1	18	86	57	2.91	.16	1.38	282	2	.01	77	.04	40	ND	ND	ND	5	14	ND	ND	91
T2 3+60M	.1	2.25	27	ND	111	ND	.29	.7	18	83	45	2.82	.15	1.26	569	1	.01	75	.09	43	ND	ND	ND	4	14	ND	ND	107
T2 3+80M	.1	3.09	42	ND	156	ND	.35	1.5	23	176	82	4.15	.22	2.66	655	3	.01	148	.14	55	ND	ND	ND	6	20	ND	ND	127
T2 4+00M	.2	2.75	41	ND	130	ND	.31	1.5	23	143	79	3.67	.19	2.13	661	2	.01	122	.12	49	ND	ND	ND	6	21	ND	ND	132
T2 4+20M	.2	3.06	64	ND	117	3	.36	1.7	29	184	96	4.13	.21	2.73	733	3	.01	155	.09	78	ND	ND	ND	6	23	ND	ND	148
T2 4+40M	.2	2.91	47	ND	129	ND	.43	1.7	26	148	88	3.85	.21	2.18	689	2	.01	144	.09	55	ND	ND	ND	5	24	ND	ND	139
T2 4+60M	.1	2.71	39	ND	118	ND	.28	1.3	26	107	72	3.78	.19	1.88	1090	2	.01	106	.12	52	ND	ND	ND	5	21	ND	ND	146
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

APPENDIX II

SOIL GEOCHEMICAL METHODS AND ANALYTICAL METHODS

APPENDIX II

GEOCHEMICAL SAMPLING AND ANALYTICAL TECHNIQUES

1. SOILS:

Soil samples are taken from the "B" horizon where possible, with a steel scoop or grub hoe, and put into gussetted kraft sample envelopes marked with grid numbers or code numbers for each sampler. Records of sample locations and characteristics of the soil are kept in note form by each sampler, generally in a waterproof field book. At the laboratory, samples are dried at low temperature, sifted, and portions of the -80 mesh fraction are used for analysis.

2. SILTS:

Silt samples are taken from active stream sediments, where possible, by hand or with a steel scoop and placed in kraft sample envelopes. Large samples are taken, where necessary to ensure sufficient -80 mesh material is present. Samples are dried at low temperature and sieved, with a portion of the -80 mesh fraction analyzed.

3. ROCKS:

A kraft envelope or small plastic sample bag is filled with small chips taken from across the sampled interval, or if from float, from several random pieces representing one geological environment or rock type. The chips are crushed and pulverized to approximately 100 mesh, homogenized, and a split used for analysis.

4. ANALYSIS:

Generally, soils, silts and rocks are analyzed by induction coupled plasma (ICP) methods after dissolution in Acqua Regia in a hot water bath. Dissolution is generally incomplete for Al, B, Ba, Be, Ca, Cr, Fe,La, Mg, Mn, Na, Sr, Ti, V, and W.

Gold and silver are generally analyzed by standard Fire Assay techniques using 1/2 or 1 assay ton portions of the pulverizedsample, and gravimetric or Atomic Absorption finish.

5. ADDITIONAL INFORMATION:

Additional detailed information on specific analytical techniques is generally available from the Laboratory.

APPENDIX III

VLF INSTRUMENT AND METHODS

APPENDIX

DESCRIPTION OF GEOPHYSICAL INSTRUMENTS AND METHODS

MAGNETOMETER:

The magnetometer used was a McPhar M-700 Flux Gate Magnetometer. The instrument has a flux gate element mounted so that its axis of maximum sensitivity is maintained in a vertical plane. The flux gate element conains an excitation winding and a detector winding. In addition, auxilliary windings around the element carry D.C. currents, creating a D.C.Flux, which enables cancellation of the earths field. This allows adjustment for latitude.

The D.C.current fed to the instrument to maintain the zero flux is measured in the display meter and is directly proportional to the change in the earths field. Five ranges allow measurements of field change up to 100,000 gammas (nanoteslas). Accuracy is of course greatest in the lowest range. Generally, the instrument is set to zero by cancelling the earths field with the Latitude adjustment control, and the neeedle is arbitrarily set at a base station, to a value practical for the survey, for example 1000 gammas.

Subsequent readings are generally taken at regular grid stations, for example 25 meters apart, and referenced at the end of each survey line to the original base station, to correct for diurnal variation. The time of each reading is taken and corrections are apportioned for each station if variations occur.

Alternatively, a number of base stations along the base-line are made and corrections are apportioned to variations noticed during the survey. Occasionaly, when variation is negligible, compared with the magnetic contrast in the survey, data is displayed as profiles, and corrections are ignored. Also, a strong magnetic feature may be outlined by short reconaissance traverses across the feature.

The instrument is powered by 2 - 9 volt Eveready #276 batteries, (Neda 1603). Care must be taken to ensure batteries do not have steel jackets, and all magnetic or magnetically susceptible materials must be removed from the person and field clothing prior toi the survey.

The instrument, with various accessories may be used in airborne surveys. External battery packs are available for cold weather operation or in areas where type 276 batteries are not available. As a base station, the instrument may be connected to small "Rustrak" or "Esterline" chart recorders.

Little maintainance is required, aside from battery replacement. Batteries should be removed if the instrument is not used for a long time.

PHOENIX VLF-2 ELECTROMAGNETIC RECIEVER

The Phoenix VLF-2 Electromagnetic (EM) Reciever is a small, light weight geophysical instrument which measures the orientation and magnitude of major and minor axes of the ellipse of polarization of secondary electromagnetic fields induced in conductive bodies in the ground by primary VLF (very low frquency) radio signals emitted by Naval radio stations in various parts of the world, and used by submarines for navigation.

The Instrument has two channels selectable by digital switches from a total of 15 or more frequencies ranging from 14.0 kHz to 29.9 kHz.

Parameters normally measured are the dip angle and field strength of the secondary field. The dip angle is measured in degrees by a clinometer, oriented facing the transmitting station, and the field strength is measured in "per cent" at right angles to the transmitting station.

When the orientation of conductive bodies on the mineral property being explored is known, generally two stations are chosen with transmitter locations as close as possible to the azimuth of the axis of the conductor. When orientation of conductors is not known, an orientation is done with two orthogonally positioned transmitters, (at right angles). Orientation is generaaly done over known conductive bodies to determine which stattion will give the best response.

The instrument coils are positioned such that the instrument base points toward the conductive body during measurement of dip angle. Dip angle results are plotted as profiles, with dips toward the facing direction arbitrarily and conventionally plotted as "positive" and dips opposite the facing direction as "Negatve". The point of inflection, or "cross-over" from positive to negative, determines the geographic location of the conductive body. This position also is marked by maximum measured field strength, also plotted as profiles, as in the attached example. Field strengths are generally measured referenced to an arbitrary setting (e.g. 100 %) at a base station. Diurnal variations occur, and absolute measurement of field strength is often impractical, especially for large surveys

In practice, topography affects the position of crossovers, and measurement over a hill will generally give a "False Crossover". Careful notation of topography will permit selection of real anomalies, and inflection points which do not actually cross the Zero reference line may still represent real conductive bodies.

Various mathematical filters used on the field data, such as "Frasers Filter", may enhance the data and reduce topographic effects.

The instrument is powered by a small, 9 volt battery. Further specifications are given on the attached page.

REFERENCES

PHOENIX VLF-2 EM OPERATORS MANUAL: Published by Phoenix Geophysics Ltd.,

PATERSON, NORMAN R., AND RONKA, VAINO, (1970); Five Years of surveying with Very Low Frequency Electro-Magnetic Method. Geoexploration, V.9, pp.7-26

BAKER, H.A., AND MYERS, J.O., (1980); A topographic correction for VLF-EM profiles based on model studies., Geoexploratrion, V.18, pp.135-144

WHITTLES, A.B.L., (1969); Prospecting with Radio Frequency EM-16 in mountainous regions. Western Miner, Feb. 1969, pp 50-56.

FRASER, D.C., (1970); Contouring of VLF Data. Geophysics, v.34, pp958-967.

FRASER, DOUGLAS C., (1981); A review of some useful algorithms in geophysics. CIM Bulletin, v74, pp76-83.

VLF EM EVALUATION		RAPITAN 1989	VLF001
CLIENT:	HERA	STATION 1	CUTLER
LOCATION:	BROKEN HILL	STATION 2	ANNAPOLIS
LINE:	0+00	DATE	AUG 31/88

GRID MKR	F1	F.S. 1	F2	F.S.2	FF 1	FF2
0 NORTH	21	80	19	80		
20	19	65	16	80	-6	-2
40	24	82	19	80	-6	-5
60	22	86	18	82	-4	-3
80	27	84	22	82	2	2
100	23	86	18	75	-2	-3
120	24	92	20	84	-9	-11
140	28	86	23	84	-1	-3
160	28	88	26	84	5	9
180	25	90	20	84	-9	-1
200	26	82	20	78	-16	-17
220	36	84	27	78	-5	-11
240	31	86	30	83	3	5
260	36	88	28	95	16	12
280	28	120	24	92	23	19
300	23	150	22	140	16	22
320	18	140	11	130	0	3
340	17	130	13	94	-12	-17
360	24	95	17	88	-16	-21
380	23	90	24	80	13	14
400	34	88	27	84	57	51

VLF EM EVALUATION		RAPITAN 1989	VLF001
CLIENT:	HERA	STATION 1	CUTLER
LOCATION:	BROKEN HILL	STATION 2	ANNAPOLIS
LINE:	1+00E	DATE	AUG 31/88

GRID MKR		F1	F.S. 1	F2	F.S.2	FF 1	FF2
0	NORTH	OFF AIR	OFF AIR	12	86		
20				12	82	0	-9
40				16	78	0	-7
60				17	80	0	-7
80				18	80	0	-10
100				22	82	0	0
120				23	88	0	10
140				17	88	0	8
160				18	84	0	3
180				14	80	0	-6
200				18	80	0	-11
220				20	80	0	-7
240				23	90	0	1
260				22	90	0	7
280				20	130	0	6
300				18	110	0	-4
320				18	95	0	-13
340				24	92	0	
360				25	82	0	
380							
400							
420	NORTH						

VLF EM EVALUATION		RAPITAN 1989	VLF001
CLIENT:	HERA	STATION 1	CUTLER
LOCATION:	BROKEN HILL	STATION 2	ANNAPOLIS
LINE:	1+00 w	DATE	AUG 31/88

GRID MKR	F1	F.S. 1	F2	F.S.2	FF 1	FF2
0 NORTH	21	66	22	62		
20			22	68	21	-4
40			26	66	-24	9
60			22	68	-48	13
80	24	125	17	78	-16	3
100	24	120	18	72	20	-1
120	16	105	18	78	12	4
140	12	94	18	78	-6	4
160	16	96	14	80	-14	-10
180	18	92	18	78	-10	-19
200	24	92	24	80	-1	-12
220	20	100	27	74	-3	-4
240	23	98	27	84	-6	-1
260	24	98	28	84	-7	0
280	25	100	27	88	-8	1
300	29	120	28	78	6	5
320	28	120	26	84	21	7
340	20	140	24	88	20	9
360	16	150	23	120	11	11
380	12	160	18	125	9	11
400	13	150	18	100	19	24
420 NORTH	6	160	12	120		

ITEMIZED COST STATEMENT

HERA RESOURCES. INC.,
Ste 231, 5411 - 208th St., Langley, B.C.,
BROKEN HILL PROPERTY WORK:

GEOLOGICAL CONSULTING		
Office Time: July -August 1988 (B.Price. M.Sc)		
Total 2 days @ $350/day		$ 700.00
Field Time: August 27 - Sept 2, 7 days @ $350/day		2,450.00
	Subtotal	3,150.00
SUBCONTRACTS:	G.Hayne, Soil Sampler, 7 days @ $150	1,050.00
	E.Newstrom, Soil Sampler " "	1,050.00
	D.Cook, B.Sc. Geologist 7 days @ $225	1,575.00
	Subtotal	3,675.00
VEHICLE RENTAL: 7 DAYS X $25/DAY		175.00
INSTRUMENT RENTAL:	Phoenix VLF-2, 7 days @ $25	175.00
	Magnetometer 1 day @ $25	25.00
	Single Side Band Radio	100.00
	Subtotal	300.00
CAMP RENTAL:	4 Man Camp x 1 Week	200.00
POWERSAW RENTAL	E.Newstrom	50.00
HELICOPTER CHARTER	Cariboo Chilcotin Jet Ranger	
	3.3 hr x $520	1,716.00
	Fuel	225.06
	Oil	9.90
	Subtotal	1,950.96
GEOCHEMICAL SAMPLES:	Vangeochem Laboratories.	
	Soil Samples, Inv # 881303PA	1,402.50
	Soil Samples, Inv # 881259PA	2,055.00
	Soil Samples, Inv # 881299PA	117.00
	Rocks, Inv # 881255AA,881299NA	635.50
	Gold analyses Inv # 881636GA	2,535.50
	Subtotal	6,745.50
GROCERIES:		
	Rapitan chq. (Pay n Save).	232.01
	G.Hayne	14.97
		246.97
EXPENDABLE FIELD SUPPLIES		
1 Box Soil sample envelopes x		93.25
1 Box Hip chain Thread x		35.00
2 boxes Flagging x 15.50		31.00
100 sample bags x		15.00
Felt Pens 6 x 2.00		12.00
Airtight Stove (left at Property)		57.60
Stovepipe/fittings		49.35
Field Books 3 x 2.95		8.85
	Subtotal	316.46
	Tax 6%	18.99
		335.45

(CONTINUED ON NEXT PAGE)

B.PRICE DISBURSEMENTS	Gas	26.00
	Gas	49.79
	Propane and wire	15.72
	Meal Lillooet (no reciept)	30.00
	Meal Lillooet	13.85
	Misc Hardware	36.82
	Subtotal	172.18
RAPITAN DISBURSEMENTS	Western Reproducers	29.75
	VanCal Reproduction	165.97
	VanCal Reproduction	7.41
	D.Cook expenses	58.39
	Subtotal	261.52

==========

TOTAL INVOICE: $17,262.58

BROKEN HILL ASSESSMENT REPORT:

GEOLOGICAL CONSULTING

Office Time: Nov.1-20, total 5 days @350/day Preparation of maps, supervision of drafting	1,750.00
WORD PROCESSING:	50.00

DISBURSEMENTS:

Val Fortey Drafting	294.00
Vancal Reproduction	47.37
Vancal Reproduction	16.33
Report binders, 5 @ $3/ea	15.00
Xeroxing, (Island Arc) 250 x $.20/pg	50.00
Fax chg.	20.00
subtotal	442.70
SERVICE CHARGE: 5% on disbursements	22.14

==========

TOTAL THIS INVOICE $2,264.84

TOTAL OF BOTH INVOICES: $19,527.42

Respectfully Submitted

Barry J.Price, M.Sc.,FGAC.
Consulting Geologist.

GEOLOGICAL ASSOCIATION OF CANADA
B. J. PRICE, M.Sc.
FELLOW

UPPER ADIT

MINERALIZED ZONE

SLIDE

BASELINE

4+00E

3+00

2+50E

2+00E

OLD CAMP

LOWER ADIT

SEBRING CR.

SEE FIGURE 7A

ALTERED SERPENTINE

As, Cd, Cr, Cu, Mo, Ni

OLD CAMP

TRAIL

Cr, Mo

Cu, Mo, Ni

Cr

Ni, Cr

Cu

cd, Ag

Cd Mo

Pb, Zn Ni Cu, Cr.

Ag As Cd Pb, Zn, Bi.

As, Ag, Cd. Cu Pb, Zn.

JAY 1

JAY 2

JAY 3

JAY 4

Cu Cd Pb Zn

Cd Ag Zn

RHYOLITE

Zn Pb Cd

SULPHIDES

Cu, Cd Ag

10 ppb Au

Pb, Zn.

Fe, Cu, Cd.

Ag, Cu Fe, Co.

Cu

Pb, Zn As Ba

TRAIL TO VIERA CR

CLIFFS

Cu Mn Fe Bi

MAJOR FAULT

SHEARED GREEN VOLCANICS AND SERPENTINE

100S

200S

300S

1005

N

• Cu, As. Indicates anomalous elements

Anomaly outline.

SCALE

0 50M.

VIERA RESOURCES INC.

BROKEN HILL PROSPECT

LILLOOET MINING DIVISION, B.C.

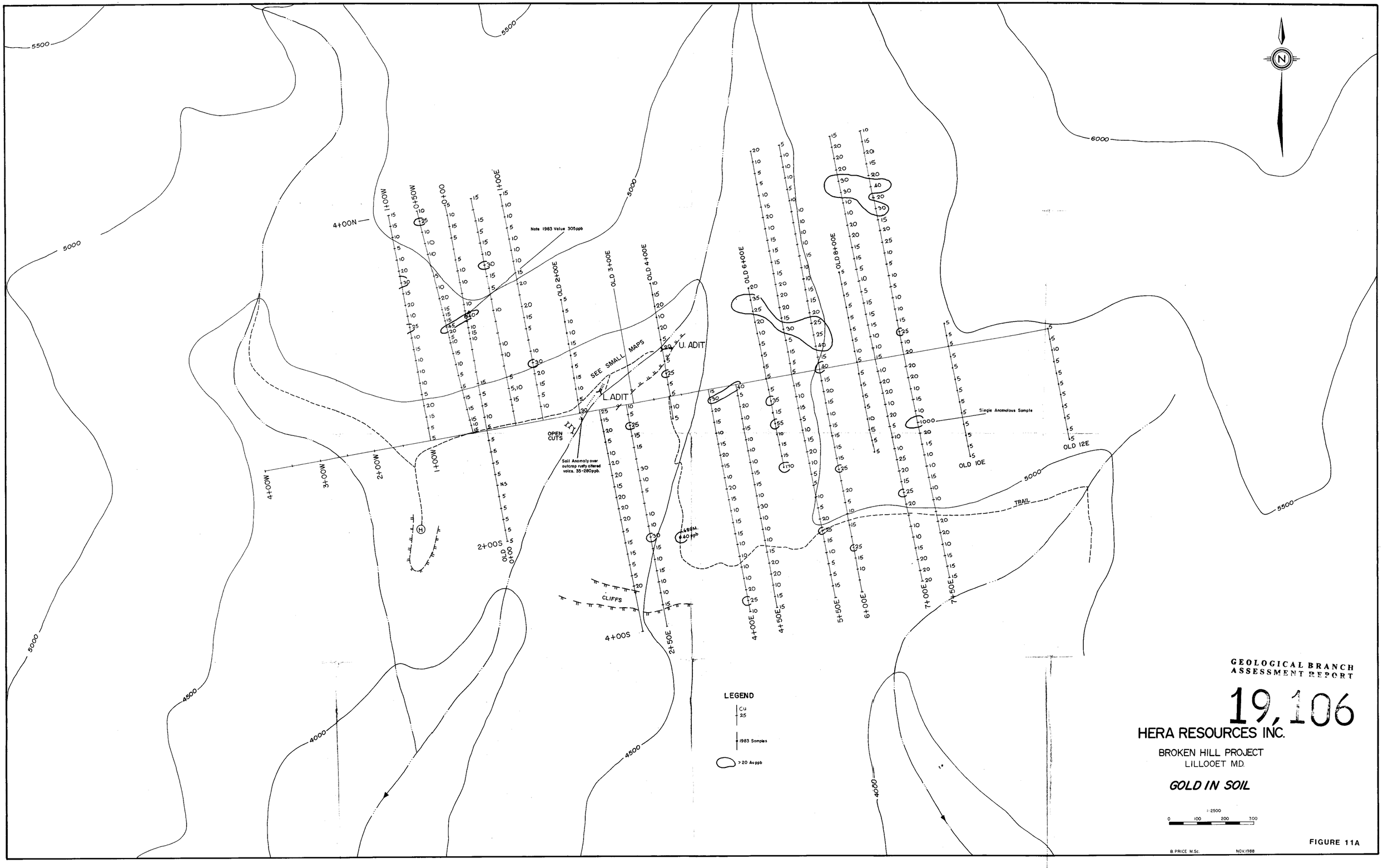
GEOLOGY AND SOIL SAMPLES

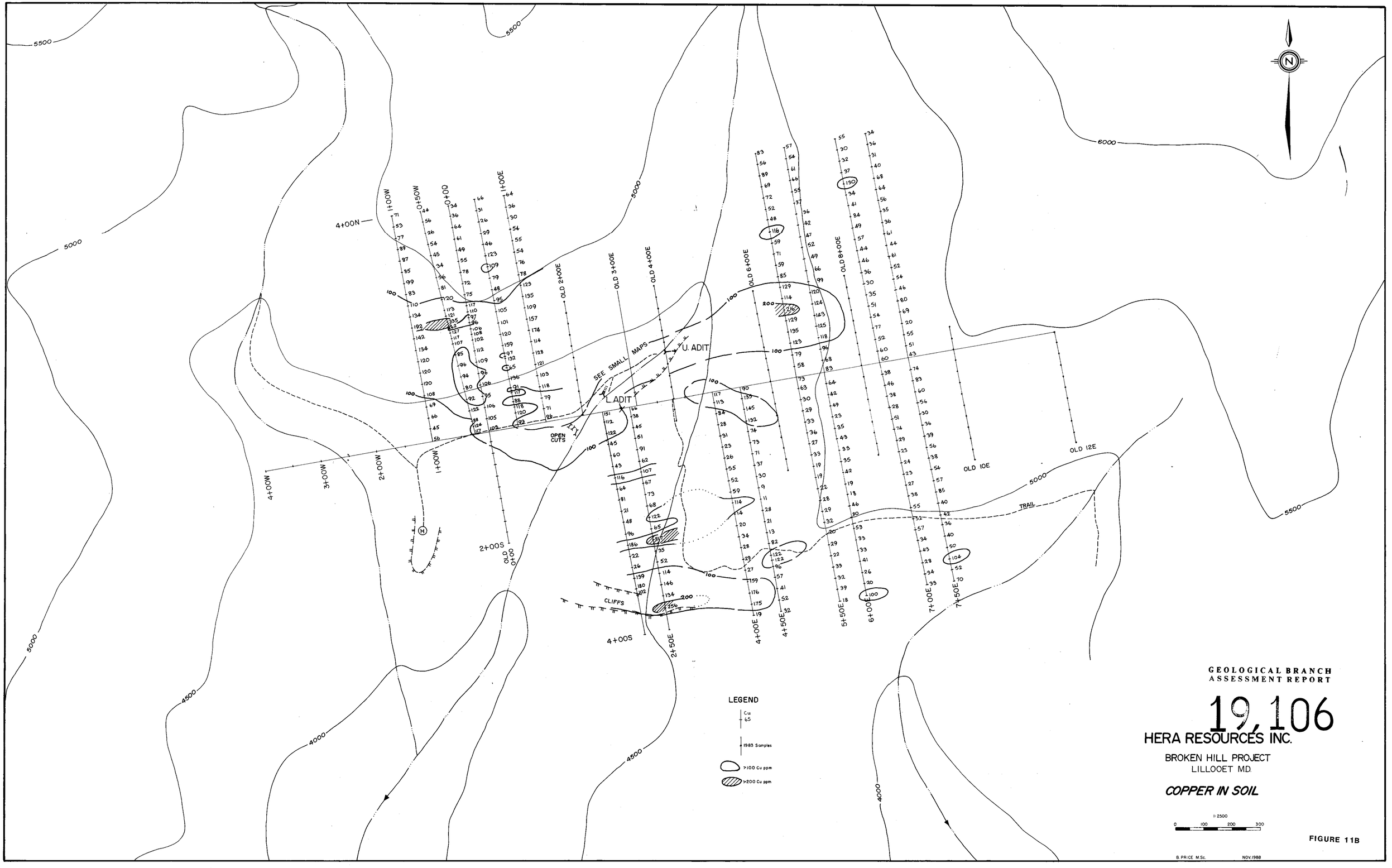
TRAIL 1

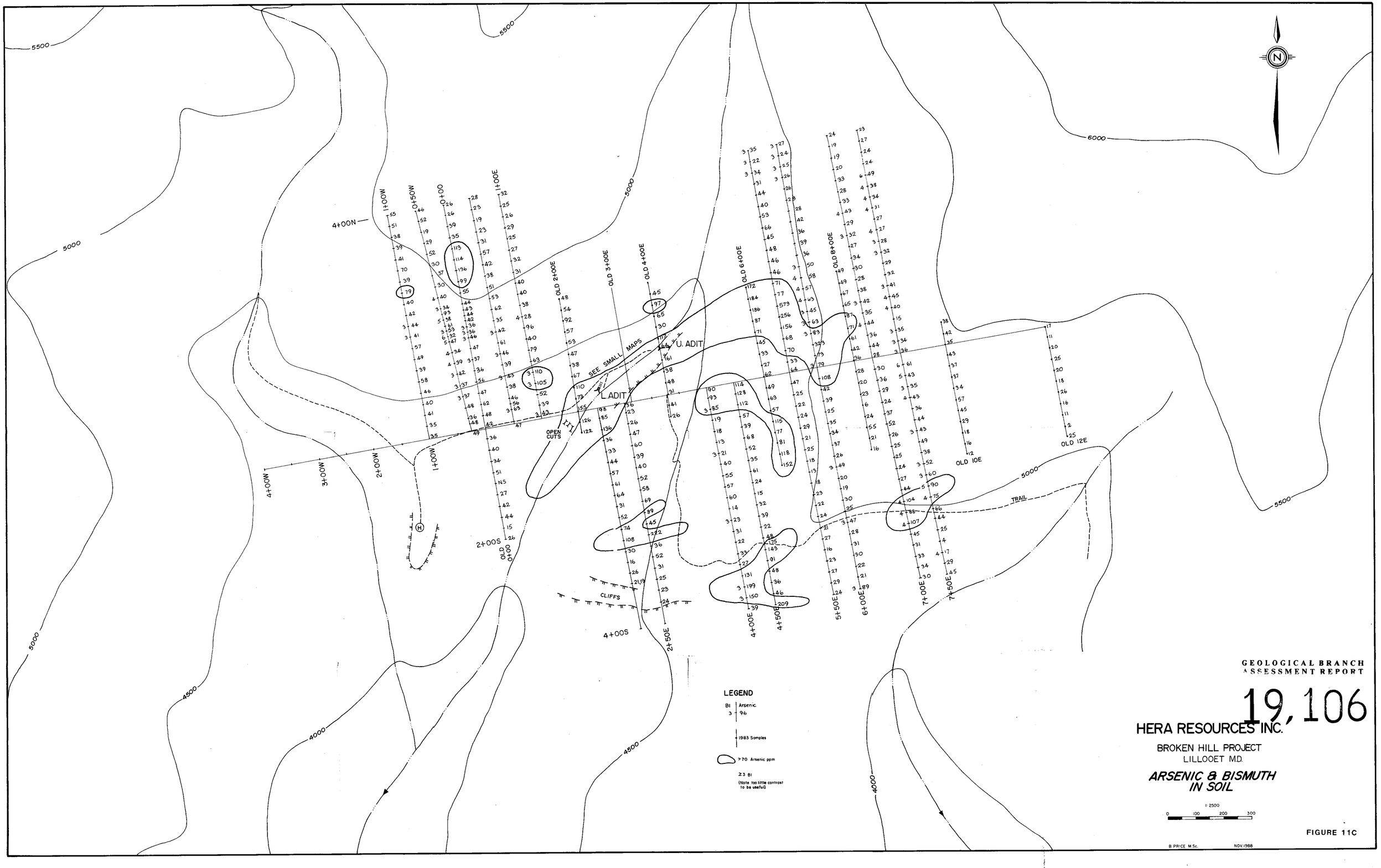
FIGURE 8

RAPITAN RESOURCES INC.

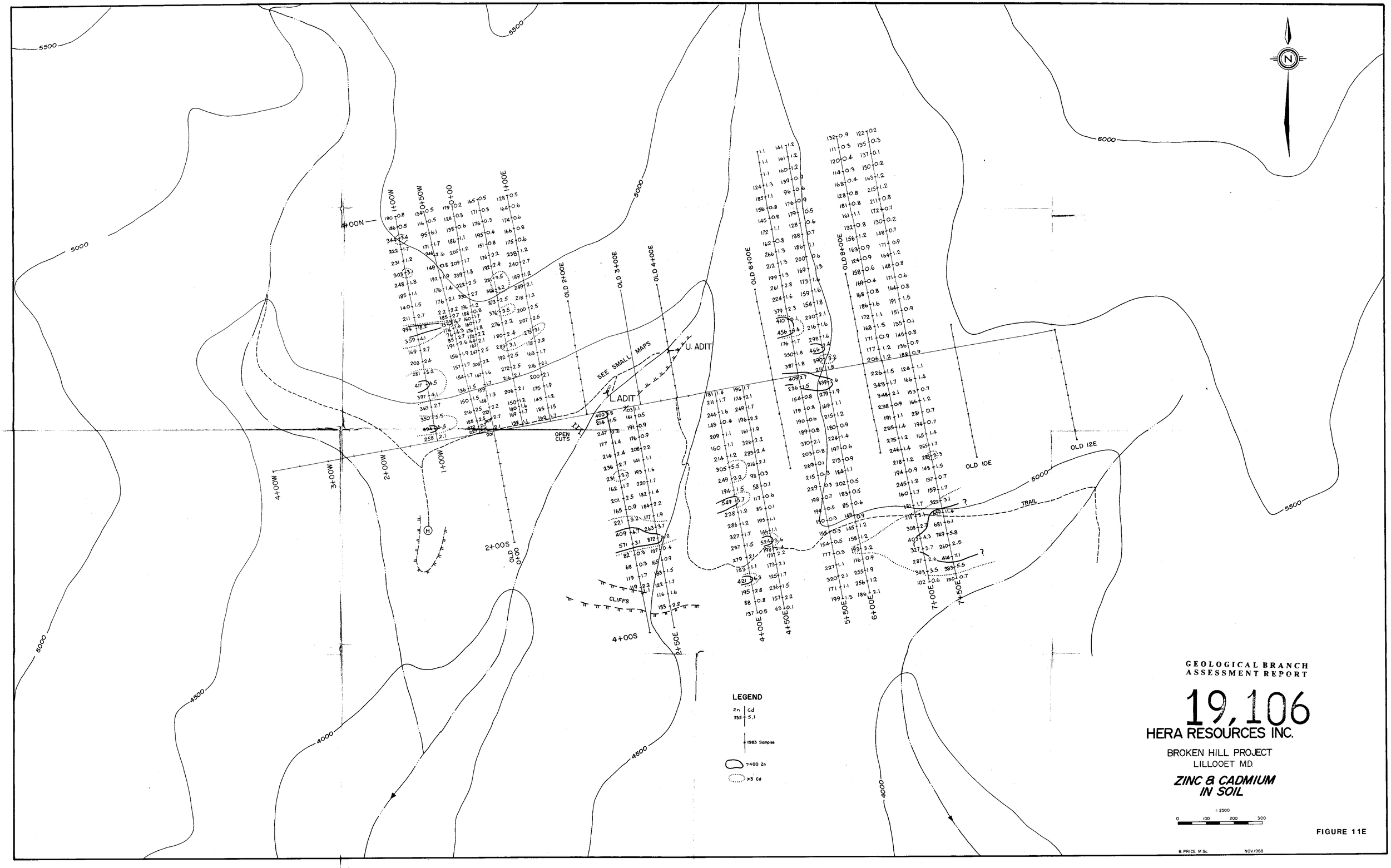
B.J.PRICE, M.Sc 1989


5500
5000
6000
4500
4000
4+00N
1+00W
0+50W
0+00
1+00E
OLD 2+00E
OLD 3+00E
OLD 4+00E
OLD 6+00E
OLD 8+00E
OLD 10E
OLD 12E
Note 1983 Value 305ppb
840
SEE SMALL MAPS
U. ADIT
L. ADIT
OPEN CUTS
Soil Anomaly over outcrop rusty altered volcs. 35-280ppb.
Single Anomalous Sample
1000
1170
660M. #40 ppb
TRAIL
CLIFFS
4+00S
2+50E
4+00E
4+50E
5+50E
6+00E
7+00E
7+50E
4+00W
3+00W
2+00W
1+00W
0+00
2+00S
OLD 0+00
LEGEND
Cu 25
1983 Samples
> 20 Au ppb
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,106
HERA RESOURCES INC.
BROKEN HILL PROJECT
LILLOOET M.D.
GOLD IN SOIL
1:2500
0 100 200 300
B. PRICE M.Sc.
NOV. 1988
FIGURE 11A


5500
5000
4500
4000
6000
N
4+00N
0+00
1+00W
2+00W
3+00W
4+00W
0+50W
1+00E
2+00E
OLD 3+00E
OLD 4+00E
OLD 6+00E
OLD 8+00E
OLD 10E
OLD 12E
SEE SMALL MAPS
U. ADIT
L. ADIT
OPEN CUTS
TRAIL
CLIFFS
2+00S
4+00S
0+00
2+50E
4+00E
4+50E
5+50E
6+00E
7+00E
7+50E
LEGEND
Cu 65
1983 Samples
>100 Cu ppm
>200 Cu ppm
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,106
HERA RESOURCES INC.
BROKEN HILL PROJECT
LILLOOET M.D.
COPPER IN SOIL
1:2500
0 100 200 300
FIGURE 11B
B. PRICE M.Sc.
NOV. 1988


5500
5000
6000
4500
4000
4+00N
3+00N
2+00N
1+00N
0+00
1+00W
0+50W
0+00
1+00E
2+00E
3+00E
4+00E
OLD 6+00E
OLD 8+00E
OLD 10E
OLD 12E
OLD 0+00
2+00S
4+00S
2+50E
4+50E
5+50E
6+00E
7+00E
7+50E
U. ADIT
L. ADIT
SEE SMALL MAPS
OPEN CUTS
CLIFFS
TRAIL
N
LEGEND
Bi | Arsenic
3 | 96
1983 Samples
>70 Arsenic ppm
≥3 Bi
(Note too little contrast to be useful)
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,106
HERA RESOURCES INC.
BROKEN HILL PROJECT
LILLOOET M.D.
ARSENIC & BISMUTH IN SOIL
1:2500
0 100 200 300
FIGURE 11C
B. PRICE M.Sc.
NOV. 1988


5500
5000
6000
4500
4000
N
4+00W
3+00W
2+00W
1+00W
0+00
1+00E
2+00E
OLD 3+00E
OLD 4+00E
OLD 6+00E
OLD 8+00E
OLD 10E
OLD 12E
2+00S
4+00S
L.ADIT
U. ADIT
SEE SMALL MAPS
OPEN CUTS
CLIFFS
TRAIL
5+50E
6+00E
7+00E
7+50E
LEGEND
Ag | Pb
0.3 + 44
1983 Samples
0.5 Ag ppm
100 Pb ppm
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,106
HERA RESOURCES INC.
BROKEN HILL PROJECT
LILLOOET M.D.
SILVER & LEAD IN SOIL
1:2500
0 100 200 300
FIGURE 11D
B. PRICE M.Sc.
NOV. 1988


5500
5000
6000
4500
4000
N
4+00N
1+00W
0+50W
0+00
1+00E
OLD 2+00E
OLD 3+00E
OLD 4+00E
OLD 6+00E
OLD 8+00E
OLD 10E
OLD 12E
SEE SMALL MAPS
U. ADIT
L. ADIT
OPEN CUTS
CLIFFS
TRAIL
4+00W
3+00W
2+00W
1+00W
2+00S
4+00S
4+50E
5+50E
6+00E
7+00E
7+50E
LEGEND
Zn | Cd
335 | 5.1
1983 Samples
>400 Zn
>3 Cd
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,106
HERA RESOURCES INC.
BROKEN HILL PROJECT
LILLOOET M.D.
ZINC & CADMIUM
IN SOIL
1:2500
0 100 200 300
FIGURE 11E
B. PRICE M.Sc.
NOV. 1988