

MAP NO.: ASSESSMENT REPORT
115A 13 PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093174
MINING DISTRICT: WHITEHORSE
TYPE OF WORK: GEOCHEM, LINECUTTING
GEOPHYSICS

REPORT FILED UNDER: PROBE RESOURCES

DATE PERFORMED: AUG 13- SEPT 25, 1993

DATE FILED: JAN 28, 1994

LOCATION: LAT.: 61°00'N

AREA: HAINES JUNCTION

LONG.: 137°36'W

VALUE \$: 3,500

CLAIM NAME & NO.: ELLEN 1-5FR(YA97362-366), ELLEN 6-8 (YB26797-799), ELLEN 9-20 (YB27078-89),
ELLEN 25-27 (YB27094-96), ELLEN 28-31 (YB35480-83), ELLEN 32-37 (YB36844-49)

WORK DONE BY: G.S. DAVIDSON

WORK DONE FOR: PROBE RESOURCES

DATE TO GOOD STANDING:

REMARKS: 36 LK OF GRID ESTABLISHED. 682 SOIL SAMPLES COLLECTED
52 ROCK SAMPLES COLLECTED. HLEM & VLF SURVEY COMPLETED

ASSESSMENT REPORT

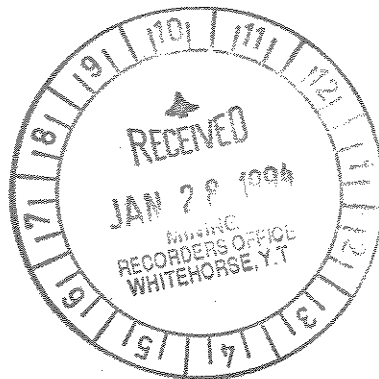
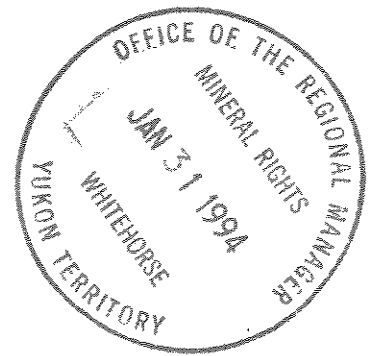
on the

ELLEN CLAIMS

NTS 115 A-113

093174

By: G.S.Davidson, P.GEOL.



ASSESSMENT REPORT

on the

ELLEN 1-20, 25-37 CLAIMS

(YA97362-YA97366, YB26797-YB26799,
YB27078-YB27089, YB27094-YB27096,
YB35480-YB35483, YB36844-YB36849)

NTS 115 A-13

Lat. 61 00'N Long. 137 36'W

Whitehorse Mining District

FOR: PROBE RESOURCES LTD.

Vancouver, B. C.

BY

G.S. DAVIDSON, P. Geol.

December, 1993

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SUMMARY

The Ellen property consists of 33 claims located on the west side of the Shakwak Valley at the north end of Mt. Decoeli on a tributary of the Jarvis River in the Whitehorse Mining District, Yukon Territory (NTS115 A-13). A 8 kilometre tote road connects the property to the Alaska Highway approximately 28 km north of Haines Junction and 190 km from Whitehorse.

Prospectors discovered chalcopyrite in greenstone on a tributary of the Jarvis River before 1950. The area was initially staked by R. Reber and optioned to Hudson Bay Mining & Smelting Co. in 1954. Restaked as the MC claims by T. Worbetts in 1962, the property was optioned to Canadian Barranca Mines Ltd. Both Hudson Bay and Canadian Barranca drilled the area, a chalcopyrite rich horizon was intersected. Copper values of 3.15% over 5.2 m and 2.20% over 6.4 m were reported in two of the drill holes.

R. Stack of Whitehorse staked the Ellen 1-5 claims in May, 1987 when Cu-Ni-PGE mineralization became a priority target for exploration companies. In 1989 and 1990 the claim block was expanded. Preliminary prospecting and blasting outlined a layered sulphide occurrence over a strike length of 50 meters (Main Zone). Mineralization occurs in a 5-10 meter wide section consisting of veins and lenses of chalcopyrite, pyrite and quartz in horizons of chloritic argillaceous tuff. Rock sample values taken in 1989-1990 range from 0.5 to 18.3% Cu and from trace to 6632ppb Au. An HLEM survey in 1990 located the main zone and identified two similar anomalies on the upland plateau.

- * Probe Resources Ltd. entered an agreement with the property owners in August, 1993 to acquire the Ellen Claims. Surface exploration in August and September outlined a strong copper geochemical anomaly coincident with HLEM and VLF conductors around the main zone, and located widespread concordant chalcopyrite-pyrite-quartz mineralization downstream and along strike from the main showing.

A two phase drill program is recommended to further evaluate the sulphide occurrences and to test a strong HLEM conductor down section from the main zone.

INTRODUCTION

This report describes an exploration program undertaken on the property from August 13 to September 25, 1993. The project was performed by Can-Do Explorations Ltd. under the supervision of Mr. M. Elson. The writer worked on the subject property for the majority of the project. Mr. D. Tully P. Eng., inspected the property on August 25, 1993.

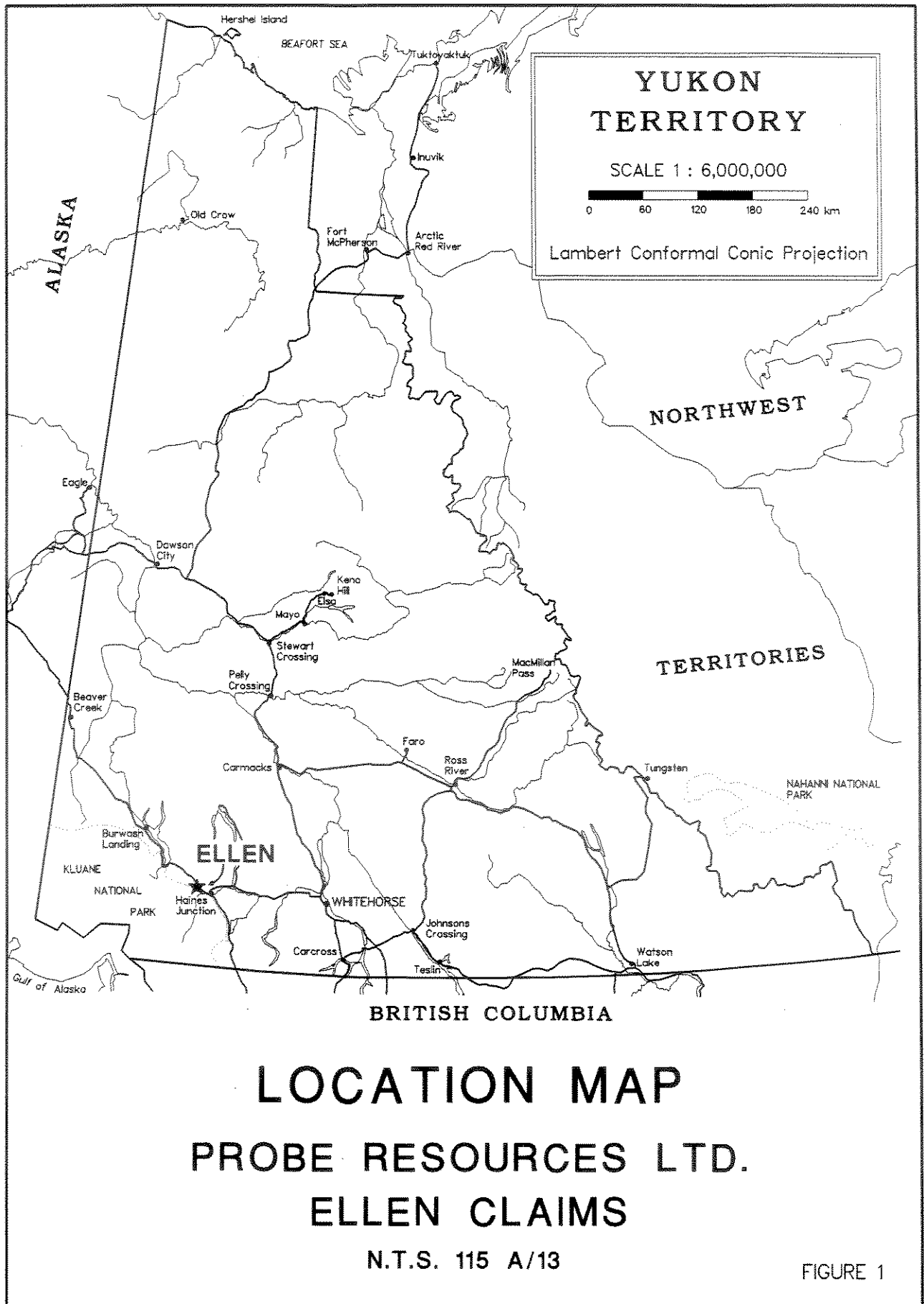
LOCATION AND ACCESS

The Ellen claims are located 27 km northwest of Haines Junction on NTS Map Sheet 115 A-13 at geographical co-ordinates $61^{\circ} 00'N$ and $137^{\circ} 17'W$ in the southwestern Yukon Territory. The property is situated 8 km west of the Alaska Highway and is accessible via a road which leaves the highway approximately 1 km north of the Jarvis River bridge. This road follows the Jarvis River to placer workings on Kimberley Creek. An old tote road connects the Ellen claims to the Kimberly Creek road 250 m west of the Jarvis River. The tote road was reestablished across several washouts to access the 1993 camp. A small backhoe was utilized to repair and ditch wet areas along the tote road. The property location is shown in Figure 1.

PHYSIOGRAPHY

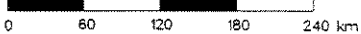
The claims lie on the west margin of the Shakwak Valley in the Kluane Ranges of the St. Elias Mountains. The Shakwak Valley is a deep northwest-southeast oriented depression stretching for several hundred kilometers from northwestern British Columbia to Alaska. In the Jarvis River area the valley is 8-10 km wide, bounded on the west side by the rugged Kluane Ranges which rise to 2588 m.

The property is located at the northern end of Mt. Decoeli over an alpine plateau incised by a deep creek gully. The plateau is bounded on the east by a steep north facing slope which descends to the low lying Shakwak Valley floor. Elevations on the property range from 1500 m to 900 m. The copper showings are located in a rugged steep sided gully, orientated perpendicular to the Shakwak Valley. Outcrop is abundant in the gully and on steeper slopes, however the surrounding uplands are covered with glacial till. The Shakwak Valley features spruce forest broken by tundra.



**YUKON
TERRITORY**

SCALE 1 : 6,000,000



Lambert Conformal Conic Projection

**LOCATION MAP
PROBE RESOURCES LTD.
ELLEN CLAIMS**

N.T.S. 115 A/13

FIGURE 1

The Haines Junction area has a northern interior climate strongly influenced by the St. Elias Mountains. The area is known for high winds which constantly blow from the mountains into the Shakwak Valley. Winter temperatures average -20°C while summers are cool and last from June to September. The exploration season extends from mid-May to October.

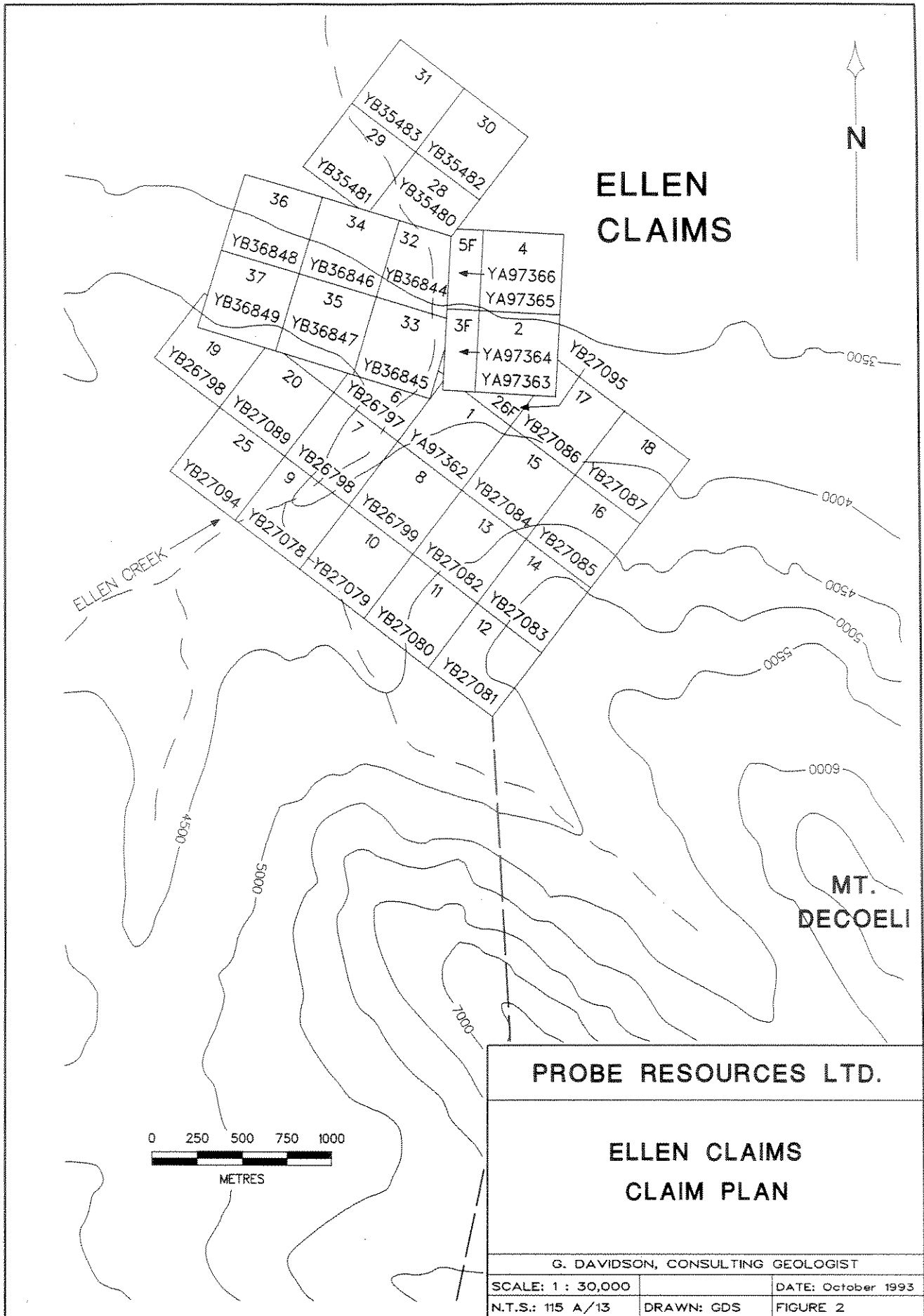
PROPERTY

The property consists of 33 mineral claims registered with the district mining recorder in Whitehorse. Figure 2 shows the claim plan and Table 1 lists property data.

TABLE 1 - CLAIM DATA

<u>Claim Name</u>	<u>Record Number</u>	<u>Expire Date</u>
Ellen 1	YA97362	Nov. 14, 1995
Ellen 2	YA97363	Nov. 14, 1995
Ellen 3 Fraction	YA97364	Nov. 14, 1995
Ellen 4	YA97365	Nov. 14, 1995
Ellen 5 Fraction	YA97366	Nov. 14, 1995
Ellen 6	YB26797	Sept. 29, 1995
Ellen 7	YB26798	May 1, 1995
Ellen 8	YB26799	Sept. 29, 1995
Ellen 9-20	YB27078-89	Dec. 11, 1995
Ellen 25-27	YB27094-96	Dec. 11, 1995
Ellen 28-31	YB35480-83	Oct. 22, 1997
Ellen 32-37	YB36844-49	Aug. 12, 1997

The Ellen 1-5, 9-20, 25-27 and 32-37 claims are owned by Mr. R. Stack of Whitehorse, Yukon. The Ellen 6-8 and 28-31 are owned by Mr. G.S. Davidson of Whitehorse, Yukon. Probe Resources Ltd. holds the Ellen claims under terms of an option agreement.



ELLEN CLAIMS



ELLEN CREEK

MT. DECOELI



PROBE RESOURCES LTD.		
ELLEN CLAIMS CLAIM PLAN		
G. DAVIDSON, CONSULTING GEOLOGIST		
SCALE: 1 : 30,000	DATE: October 1993	
N.T.S.: 115 A/13	DRAWN: GDS	FIGURE 2

HISTORY

The Kluane Ranges were first explored around 1900 by prospectors traveling between coastal and central Alaska through the Shakwak Valley. Placer mining was active along the front range from Dalton Post to Silver City in the 1920's and 1930's.

In the 1950's the Kluane Ranges were explored for copper-nickel sulphide mineralization. Deposits were outlined on the Wellgreen and Canalask properties. The higher grade Wellgreen deposit was mined from 1972-1973.

The area of the Ellen claims was prospected prior to 1950. Several old crown grant posts were found above the main showing but the grants were not registered. Many old cut stumps attest to considerable activity during the early years. The prospect was first staked as the Jude, Nor and Tar claims in 1953 by R. Reber and optioned to Hudson Bay Mining and Smelting Co. Hudson Bay drilled 5 holes (1060 ft) and built a tote road to within 500 m of the copper showings.

In 1962 T. Worbetts restaked the area as the MC claims and optioned them to Canadian Barranca Mines Ltd.. They extended the road to the showings and completed an extensive surface exploration program. Three diamond drill holes in 1966 (1421 ft) and four more in 1969 were drilled into chalcopryite bearing horizons in mafic volcanic rocks. Holes MC-1 to MC-3 were drilled from creek level, above the main showing. Copper values were reported in the 1966 drill holes as follows:

DDH MC-1 (from 59-76ft) 17' at 3.15% Cu
DDH MC-2 (from 90-124ft) 34' at 1.64% Cu
or (from 103-124 ft) 21' at 2.20% Cu
DDH MC-3 (from 80-97 ft) 17' at 1.20% Cu

Gold assays were not recorded in the drill logs. In 1969 four holes were drilled. Hole MC-4 tested an ultramafic unit for nickel mineralization. Drill holes MC-5 to MC-6 were drilled from the same setup, approximately 80 meters uphill to the west of the main showing. Drill hole MC-7 was located 30 meters lower in elevation than MC-6&7. A chalcopryite bearing horizon was intersected in MC-5 to 7 as follows:

DDH MC-5 (from 203-206 ft) 3' at 1.1% Cu
DDH MC-6 (from 205-219 ft) 14' at 0.66% Cu
DDH MC-7 (from 212-217 ft) 5' at 0.17% Cu
and (from 230-235 ft) 5' at 0.73% Cu

These intersections were reported to be from the same zone outlined in the 1966 holes. Canadian Barranca dropped the property in 1971.

RECENT EXPLORATION

The showings were re-acquired by G. Harris and R. Stack in June 1987. Samples taken beside the old cat road contained approximately 5% chalcopyrite in a tuffaceous greenstone. In June, 1989 R. Stack used explosives to clear away mud and debris on the east side of the gully, bellow the old drill sites. He exposed chalcopyrite, pyrite and quartz bearing argillaceous horizons over a 7 m wide section.

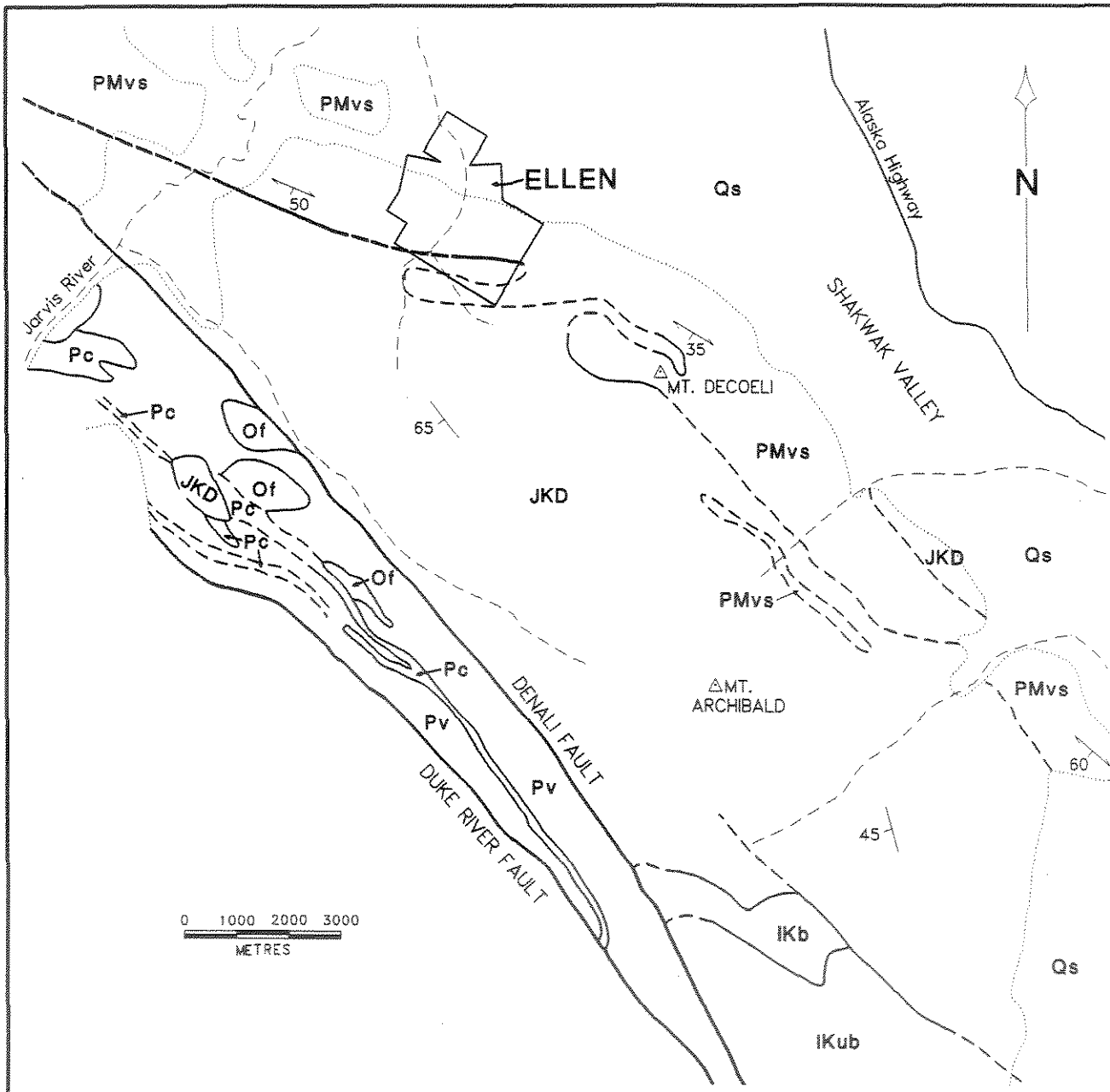
On the west side of the gully the mineralization was traced over a 10 m width. Vivid malachite and azurite staining covers the section. Sample results of sulphide bearing rock ranged from 1.5-11.9% copper and trace to 2787ppb gold. The 1989 work indicated that volcanogenic type sulphide mineralization was present on the Ellen claims.

In 1990, a late season geological and geophysical exploration program outlined HLEM anomalies at the main showing and on the upland. Patchy copper mineralization was located along strike of the main occurrence and several quartz rich sulphide bearing horizons were located to the north. Sample results ranged from 0.2% to 18.3% copper and trace to 6632ppb gold. Gold values were higher in quartz rich samples.

REGIONAL GEOLOGY

The Mt. Decoeli area lies east of the Denali Fault, the structural division between the Coast Plutonic Belt and Wrangell Terrane in the Kluane Ranges. The Shakwak Valley lies east of Mt. Decoeli. The wedge of rocks lying between the Denali Fault and the Shakwak Valley is an assemblage of Jurassic and Triassic volcanic and sedimentary rocks interpreted as part of the Alexander Terrane. The geology of the district was released in Open File #831 by the G.S.C.(see Figure 3).

Mount Decoeli consists of a thick andesitic to mafic volcanic sequence of Triassic age unconformably overlain by Jurassic Dezadeash Group shale, limestone and slate. The Triassic rocks are tuffaceous to massive layered andesites, variably altered to greenschist. Andesite, diorite and peridotite sills occur in the sequence.



LEGEND

- | | |
|--|--|
| STRATIFIED ROCKS | |
| QUATERNARY | |
| Qs undivided surficial deposits | Of felsite, qtz. latite porphyry |
| JURASSIC & CRETACEOUS | |
| JKD Dezadeash Group
greywacke, sandstone,
siltstone, argillite,
conglomerate | IKb, Pyroxenite Creek
IKub Ultramafic Complex |
| PALEOZOIC &/or MEZOZOIC | |
| PMvs greenstone, greenschist,
minor argillite and greywacke | |
| CARBONIFEROUS TO PERMIAN | |
| Pc Skolai Group
Hansen Creek Fmn. limestone | Pv Station Creek Fmn. volcanics |

SYMBOLS

- Geological boundary, defined, approx.
- High angle fault, defined, approx.
- Limit of outcrop
- Bedding, strike-dip
- Foliation, cleavage, strike-dip

PROBE RESOURCES LTD.		
ELLEN CLAIMS REGIONAL GEOLOGY		
G. DAVIDSON, CONSULTING GEOLOGIST		
SCALE: 1 : 125,000		DATE: October 1993
N.T.S.: 115 A/13	DRAWN: GDS	FIGURE 3

Thrust faults mark the lower contact between volcanic rocks and Paleozoic metamorphic basement rocks. Elongate bodies of ultramafic rock have been emplaced along the thrust planes. Copper and nickel mineralization occurs within the basal section of the ultramafic sills and in adjoining rocks. Copper-gold quartz veins occur in the hanging wall of the ultramafic bodies.

1993 EXPLORATION PROGRAM

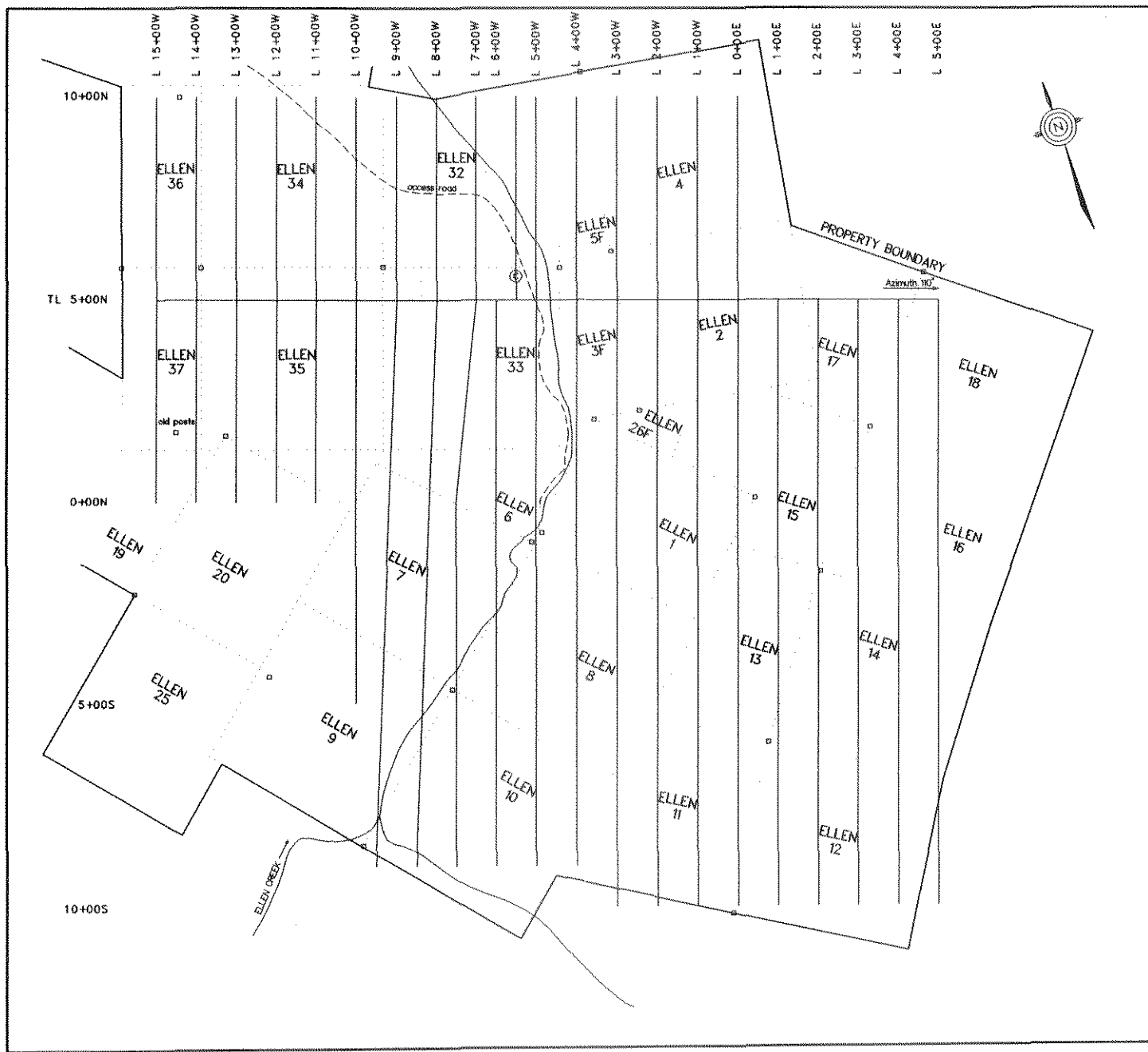
INTRODUCTION

The work program on the Ellen claims was performed from August 13 to September 25, 1993. A four man crew and camp was mobilized to the Ellen claims on August 13. Camp was established beside the tote road before a badly washed out section at the Ellen Creek crossing. Later the camp was moved to the original site further upstream. Sections of the access road were repaired using a Kubota 110 hoe. Mud and drainage problems continued through August until the road eventually dried up in early September.

Grid development was initiated along the floor of the Shakwak Valley. Little remained of the 1990 grid however it was used as a basis for the new grid. A 2.6 km tie-line trending 110° was cut along the base of the slope at 5+00N. Crosslines from 100 m centers were established across the gully and uplands. Lines (15 km) were cut through alder and spruce forest below the upland. The lines were marked with pickets at 100 m intervals and flag stations at 25 m intervals. A total of 36 line kilometers were run covering approximately 80% of the claim block. Figure 4 shows the grid plan.

Soil samples were collected at 50 m intervals over the entire grid. Soil varied from a poorly developed B layer to C layer. On the upland, till underlay a thin organic layer with very little B horizon development. The 682 soil samples were analyzed by Northern Analytical Ltd. of Whitehorse.

Geophysical surveys were performed on sections of the grid By Mr. G. Lee of Amerok Geophysics and Mr. B. Saeur & B. Shay of Can-Do Explorations. Amerok Geophysics of Whitehorse performed 11 km of HLEM survey utilizing a Apex Parametrics Maxmin I-9 instrument. Amerok provided an EM-16 VLF to Can-Do Explorations, which surveyed 25 km of line. Mr. M. Power of Amerok Geophysical has prepared a detailed geophysical report which is presented as Appendix 2.



SYMBOLS

□ Claim boundary and posts
 (C) Camp

0 100 200 300
METRES

PROBE RESOURCES LTD.

**ELLEN CLAIMS
GRID PLAN**

G. DAVIDSON, CONSULTING GEOLOGIST

SCALE: 1 : 15,000	DATE: October 1993
N.T.S.: 115 A/13	DRAWN: GDS
	FIGURE 4



LEGEND

JkD JURASSIC and CRETACEOUS
Mica schist, slate.

PMvs PALEOZOIC and/or MESOZOIC

Vm Mafic volcanics, tuffs, greenschist, minor argillite and greywacke. Peridotite.

Ls Limestone and meta-sedimentary rock.

SYMBOLS

Outcrop, strike and dip

Cu geochem >500 ppm

HLEM conductor

VLF conductor

Blast or backhoe trench or pit

Rock sample location, number

Narrow gully

Edge of upland plateau

Claim boundary and posts

Camp

ROCK SAMPLE RESULTS

SAMPLE NO.	WIDTH (cm)	Cu (ppm,%)	Au (ppb)
18313	grab	303	9
18314	grab	118	8
18315	grab	124	22
18316	grab	669	9
18317	grab	7321	>6667
18318	grab	11059	217
18319	grab	6697	352
18320	grab	363	60
18321	grab	81	178
18322	grab	20	<5
18323	grab	774	8
18324	grab	3049	6
18325	grab	2829	10
18339	grab	9.1%	79
18340	grab	10515	23
18341	grab	447	10
18342	grab	318	10
18343	grab	67	15
18344	grab	3560	13
18345	grab	13%	993
18346	grab	6.4%	>6667
18347	grab	11919	37
18348	grab	7489	70
18349	grab	2809	14
18350	grab	18238	199
18351	grab	5207	40
18352	grab	993	140
18353	grab	174	18
18354	grab	280	9
18355	300	179	10
18356	250	173	64
18357	200	187	12
18358	200	200	13
18359	200	225	35
18360	300	126	9
18361	200	200	12
18362	200	251	8
18363	200	211	10
18364	grab	7578	433

PROBE RESOURCES LTD.

**ELLEN CLAIMS
PROPERTY PLAN**

G. DAVIDSON, CONSULTING GEOLOGIST

SCALE: 1 : 10,000 DATE: October 1993

N.T.S.: 115 A/13 DRAWN: GDS FIGURE 5

The writer mapped the property at a 1:5,000 scale (see Fig.5); exposed bedrock was limited to steep slopes and the rugged Ellen Creek gully. Narrow avalanche chutes along the edge of the upland also feature bedrock. 51 rock samples were collected primarily from outcrop. Northern Analytical evaluated the samples.

Back hoe and blast trenching of mineralized zones was performed by Mr. R. Stack. A tote trail was extended to the base of the Ellen Creek gully to provide better access. Mineral occurrences down section and along trend of the main zone were exposed in the trenching. Also, several pits were excavated over EM anomalies beside Ellen Creek. Approximately 110 cubic meters of material was excavated from the trenches and pits.

PROPERTY GEOLOGY

The property is primarily underlain by a thick layered felsic to mafic volcanic sequence consisting of massive andesite flows, andesitic and mafic tuffs, and thin layers of tuffaceous argillite. Diorite, andesite and fine grained peridotite sills occur within the volcanics. The units strike northwest- southeast (110°) and dip 30° - 50° to the south.

Along the cliff walls of Ellen Creek, block faulting has caused minor displacement of the volcanic layers. A strong foliation fabric is developed in the tuffs and argillites, parallel to the trend of the Shakwak Valley. Greenschist alteration is prevalent in the volcanics as widespread chlorite; epidote is present in massive volcanics and possibly pillow lavas. Serpentinization is common towards the base of the volcanic sequence consisting of bands of bladed serpentine and quartz-carbonate veining.

At the south end of the claim block the volcanics are conformably overlain by limestone and schists containing sections of green tuffaceous volcanics. The sediments are cut by narrow quartz- carbonate veins sometimes forming stockworks.

Canadian Barranca drill logs report intersecting layers of sheared andesite and intercalated argillite containing pyrite, chalcopryite and pyrrhotite. In the 1966 drilling the argillite was misnamed peridotite but was corrected in 1969. The 1969 logs noted epidote throughout the volcanic-sediment sequence, distinctly along shear planes in the argillite. Chlorite was also a common accessory mineral in the sulphide zones.

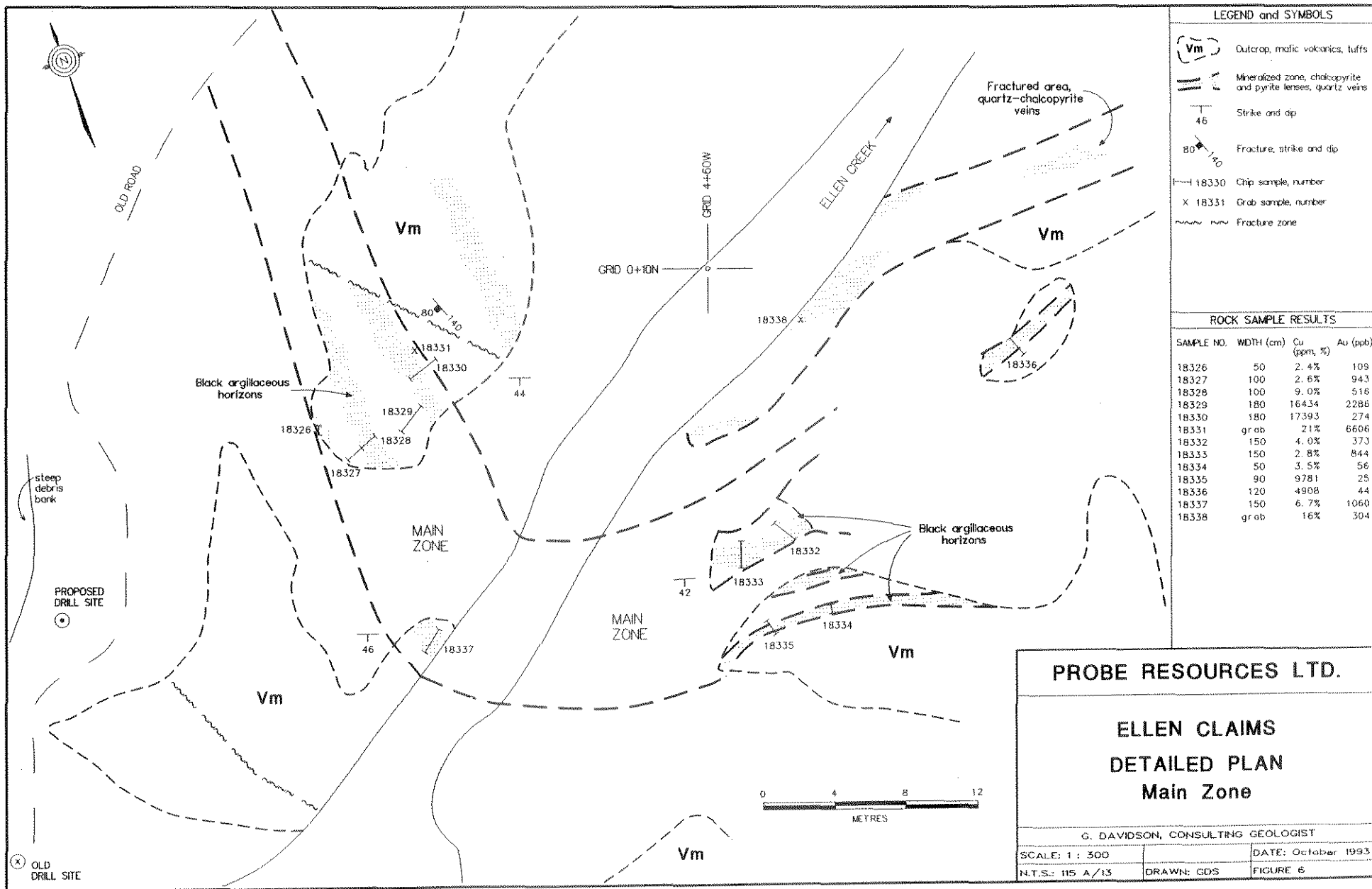
MINERALIZATION

Mineralization consists of veins and blebs of massive to disseminated chalcopyrite, pyrite and quartz hosted by layers of tuffaceous argillite and silicified greenstone. At the main showing (see Fig. 6) mineralization is exposed on both sides of the gully. On the east side three distinct layers of chalcopyrite bearing argillite are hosted by siliceous andesite. The units strike 110° and dip 20° to the south. The lower mineralized horizon is about 3 m thick, composed of stringers and stockworks of chalcopyrite, pyrite, and quartz with several massive layers of chalcopyrite and pyrite up to 25 cm thick. The total sulphide content averages 5-10% over 3 m. The upper two layers are 0.5-1 m thick and contain blebs and veins of chalcopyrite and quartz. Chip samples 18332-35 from the above layers assayed 0.98% to 4.0% copper and 25 to 844ppb gold.

On the west side of the gully the mineralized zone is approximately 10 m thick, striking 65° and dipping 40° south. Stringers, bands and veins of chalcopyrite, pyrite and quartz are exposed in a rock face composed of black argillaceous tuff and andesite. The sulphides are weathered and patches of vivid azurite and malachite stain the rock. Several 10-20 cm wide quartz-chalcopyrite veins are concordant with the bedding. Chip samples 18326-30 & 18337 on the west side of the creek produced copper values of 1.6-9.0% and gold values of 109-2286ppb. A grab sample of a quartz-chalcopyrite vein ran 21% copper and 6606ppb gold.

Along strike approximately 100 meters northwest of the main zone patchy mineralization is exposed in a blast pit over a width of 10 meters. Grab samples 18317-19 assayed 0.67-1.1% copper and 217->6667ppb gold. The high gold analysis was from a narrow quartz calcite vein.

Downstream of the main showing chalcopyrite veins are present along the walls of the gully for several hundred meters. The veins usually occur in black tuffaceous layers or in quartz rich layers. A well mineralized horizon 0.5-3 m thick outcrops on both sides of the creek approximately 75 meters north of the main zone. The mineralization can be traced for 100 meters strike length. It consists of argillaceous tuff and greenstone containing blebs and veins of chalcopyrite in a quartz stringer zone. The sulphide mineral content of this zone ranges from 1- 2%. Several well mineralized quartz veins of 10-30 cm width occupy fractures concordant with bedding. Grab samples 18339-40, 18345-46 from a pit blasted east of Ellen Creek along this trend contain up to 20% chalcopyrite + pyrite. A quartz vein sample assayed 6.4% copper and >6667ppb gold.



LEGEND and SYMBOLS

- Vm** Outcrop, mafic volcanics, luffs
- Mineralized zone, chalcopyrite and pyrite lenses, quartz veins
- 46 Strike and dip
- 80°/140 Fracture, strike and dip
- 18330 Chip sample, number
- X 18331 Grab sample, number
- Fracture zone

ROCK SAMPLE RESULTS

SAMPLE NO.	WIDTH (cm)	Cu (ppm, %)	Au (ppb)
18326	50	2.4%	109
18327	100	2.6%	943
18328	100	9.0%	518
18329	180	16434	2286
18330	180	17393	274
18331	grab	21%	6606
18332	150	4.0%	373
18333	150	2.8%	844
18334	50	3.5%	56
18335	90	9781	25
18336	120	4908	44
18337	150	6.7%	1060
18338	grab	16%	304

PROBE RESOURCES LTD.

**ELLEN CLAIMS
DETAILED PLAN
Main Zone**

G. DAVIDSON, CONSULTING GEOLOGIST

SCALE: 1 : 300	DATE: October 1993
N.T.S.: 115 A/13	DRAWN: GDS
	FIGURE 6



Further downstream a backhoe trench was excavated on a strong HLEM conductor (Conductor A) on the west side of the Ellen Creek valley. Bedrock consists of weathered greenschist in contact with a band of heavily oxidized, broken quartz-carbonate-sericite-gouge. Chip samples 18360-64 of the quartz-carbonate returned low copper and gold values but grab sample 18343 assayed 0.1% nickel and 1129ppm chromium.

East and 200 m along strike of showings in the Ellen Creek gully, a 3 m wide zone of chalcopyrite bearing quartz occurs in siliceous tuff at Grid 2+65W, 1+15N. A pit was blasted at this occurrence and grab samples assayed 0.3% copper with trace gold. Pits were also blasted 500-700 meters further to the east on chalcopyrite occurrences in several steep gullies. Sample 18350 ran 1.8% copper.

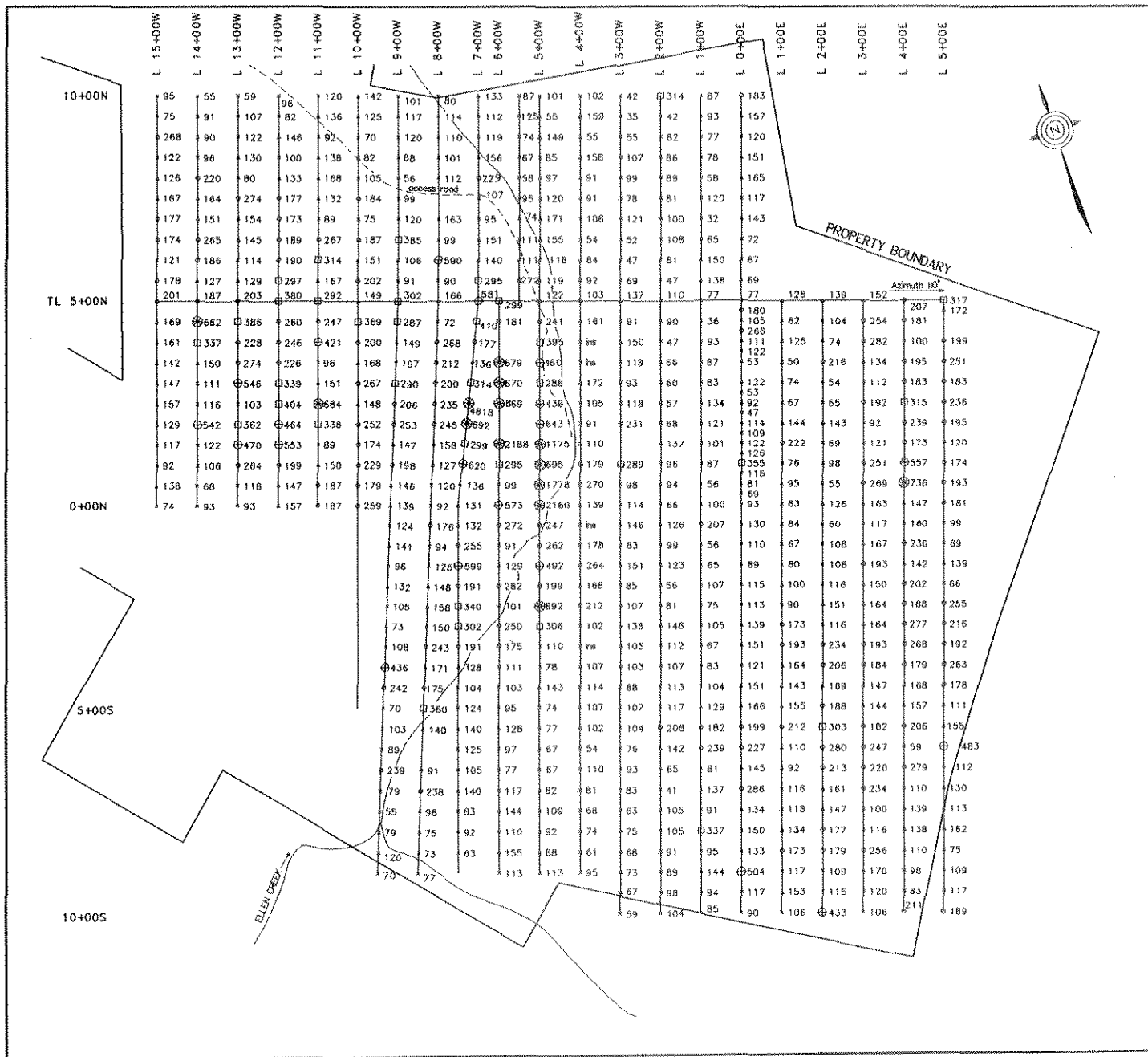
Minor amounts of chalcopyrite are present in greenstone and quartz calcite veins across the property.

No ultramafic rocks were seen in outcrop however a strong magnetic anomaly located near the south west claim boundary probably outlines an ultramafic sill. A boulder of fine grained peridotite from the area contains 0.2% Ni. 1993 sample descriptions and values are listed in Appendix 1; analytical certificates are presented as Appendix 3.

GEOCHEMICAL RESULTS

Copper and gold geochemical results are shown in figures 7 & 8 respectively. The response for copper ranges from a minimum of 32ppm to 4818ppm. A strong anomaly 200 x 400 meters of >500ppm copper lies on the west side of the Ellen Creek gully and extends into the Shakwak Valley (see Fig. 5). This anomaly outlines the northwesterly trending mineralization in and around the main zone. The western ends of HLEM Conductors A & B lie within the 500ppm copper anomaly. West and downslope of this are several weaker copper geochem anomalies. Other spotty values lie to the east and south.

Sporadic high gold values range up to 1340ppb, a moderate correlation with copper geochemical anomalies is evident. Spot highs are widely distributed over the claims. Tables 2 & 3 show the distribution of soil sample values against the total number of soil samples collected.



SYMBOLS

x 117 Soil sample location, Cu-ppm
(see other symbols below)

COPPER GEOCHEMISTRY

PPM	PERCENTILE
4818	MAXIMUM
652	98
412	95
286	90
173	70
126	50
32	MINIMUM

Number of Samples - 678
Ins - insufficient pulp for assay

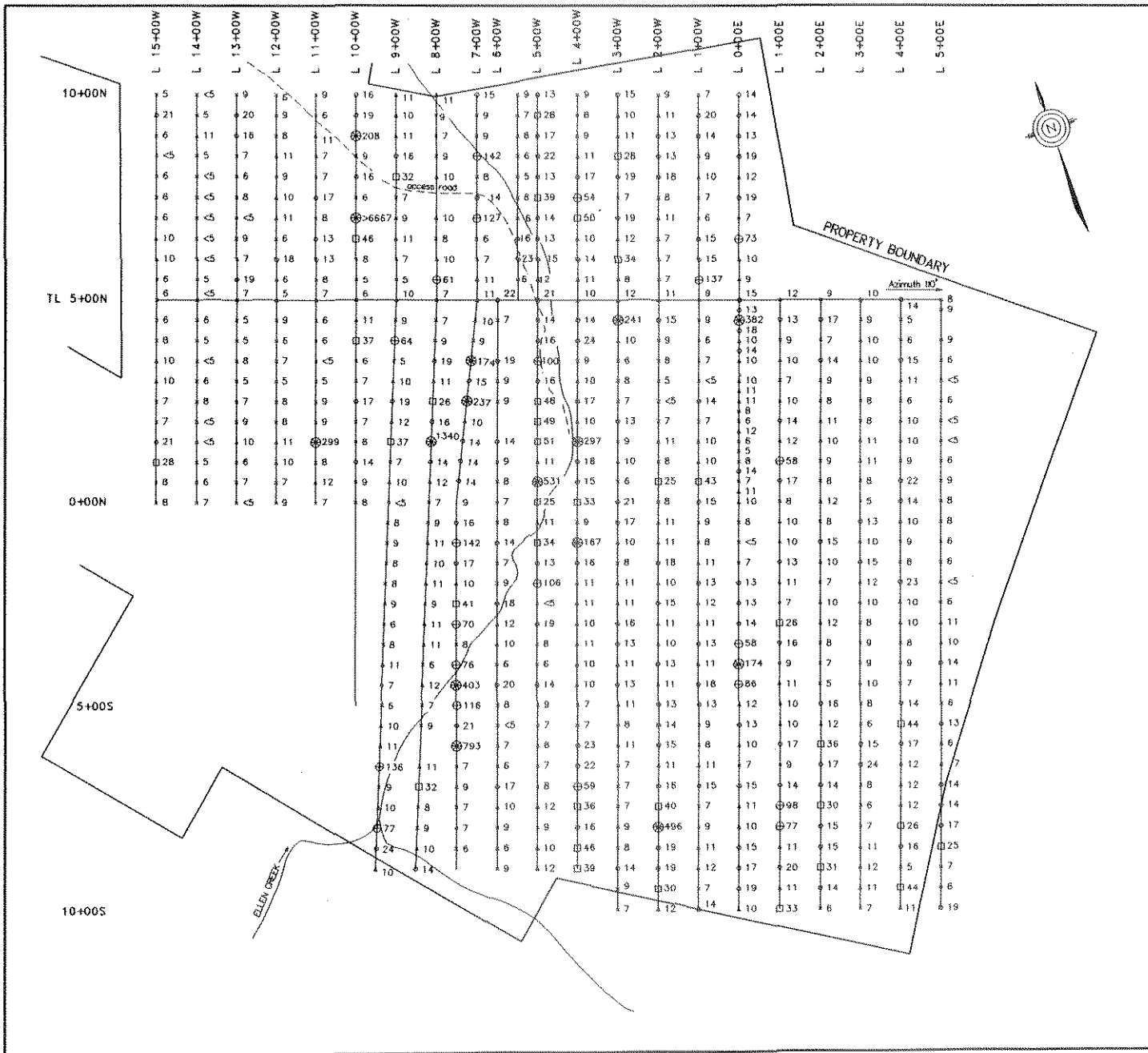


PROBE RESOURCES LTD.

**ELLEN CLAIMS
COPPER GEOCHEMISTRY - ppm**

G. DAVIDSON, CONSULTING GEOLOGIST

SCALE: 1 : 15,000	DATE: October 1993
N.T.S.: 115 A/13	FIGURE 7



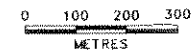
SYMBOLS

x 8 Soil sample location, Au-ppb,
(see other symbols below)

GOLD GEOCHEMISTRY

PPB	PERCENTILE
1340	MAXIMUM
152	98
54	95
25	90
13	70
10	50
<5	MINIMUM

Number of Samples - 682



PROBE RESOURCES LTD.

**ELLEN CLAIMS
GOLD GEOCHEMISTRY - ppb**

G. DAVIDSON, CONSULTING GEOLOGIST

SCALE: 1 : 15,000	DATE: October 1993
N.T.S.: 115 A/13	DRAWN: GDS
	FIGURE 8

TABLE 2

Histogram - Copper

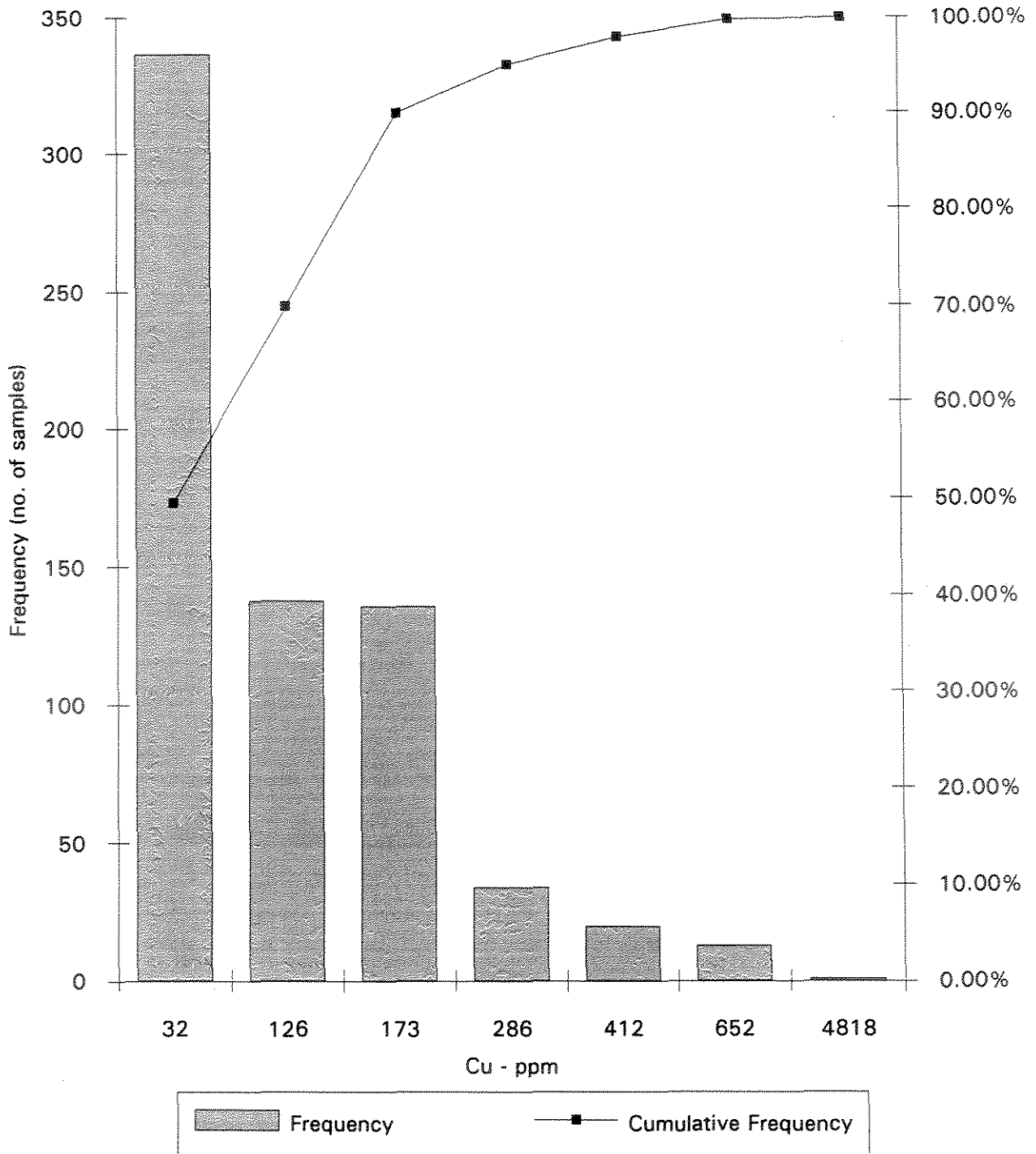
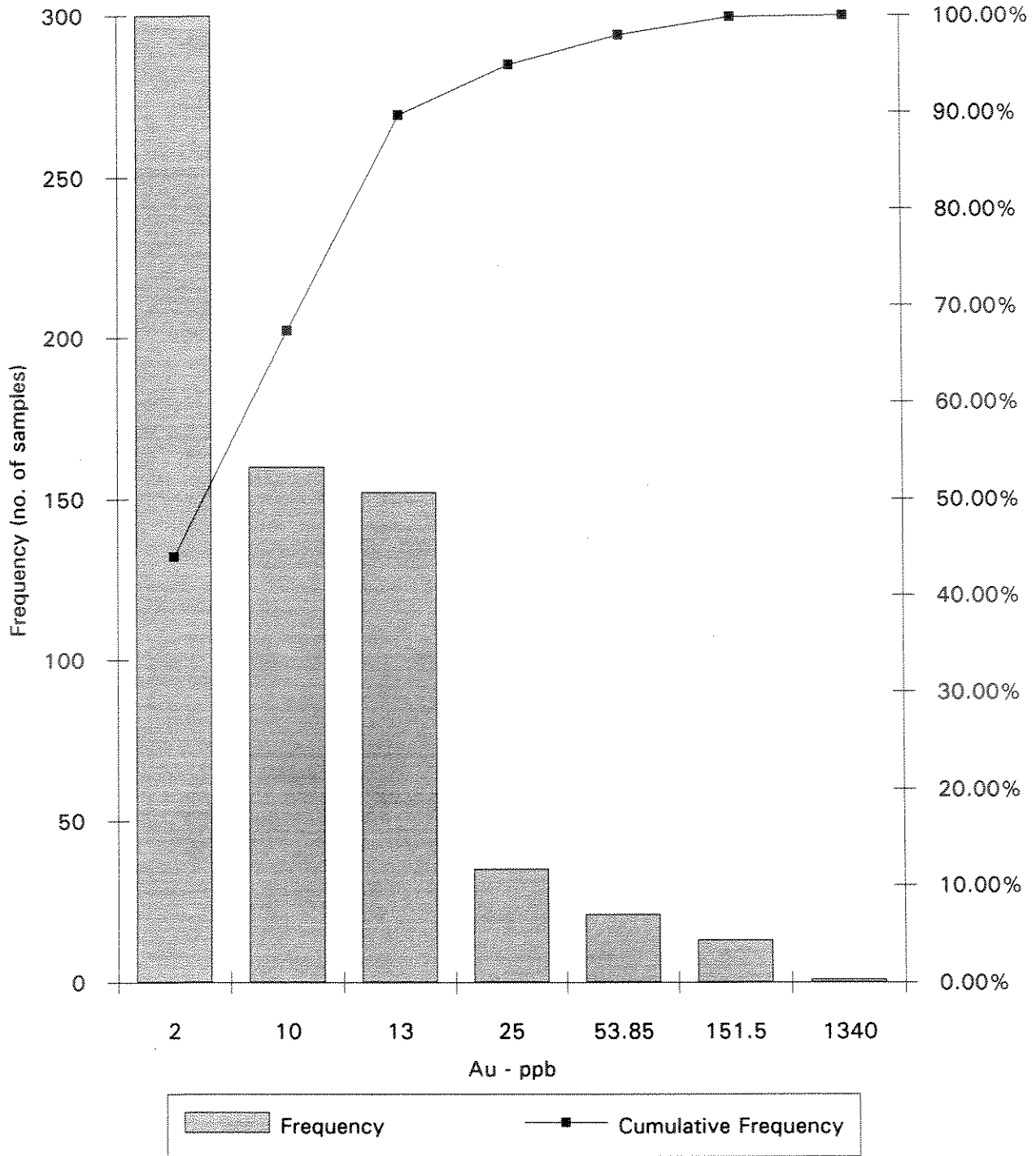


TABLE 3

Histogram - Gold



GEOPHYSICAL SURVEYS

(modified from M. Power)

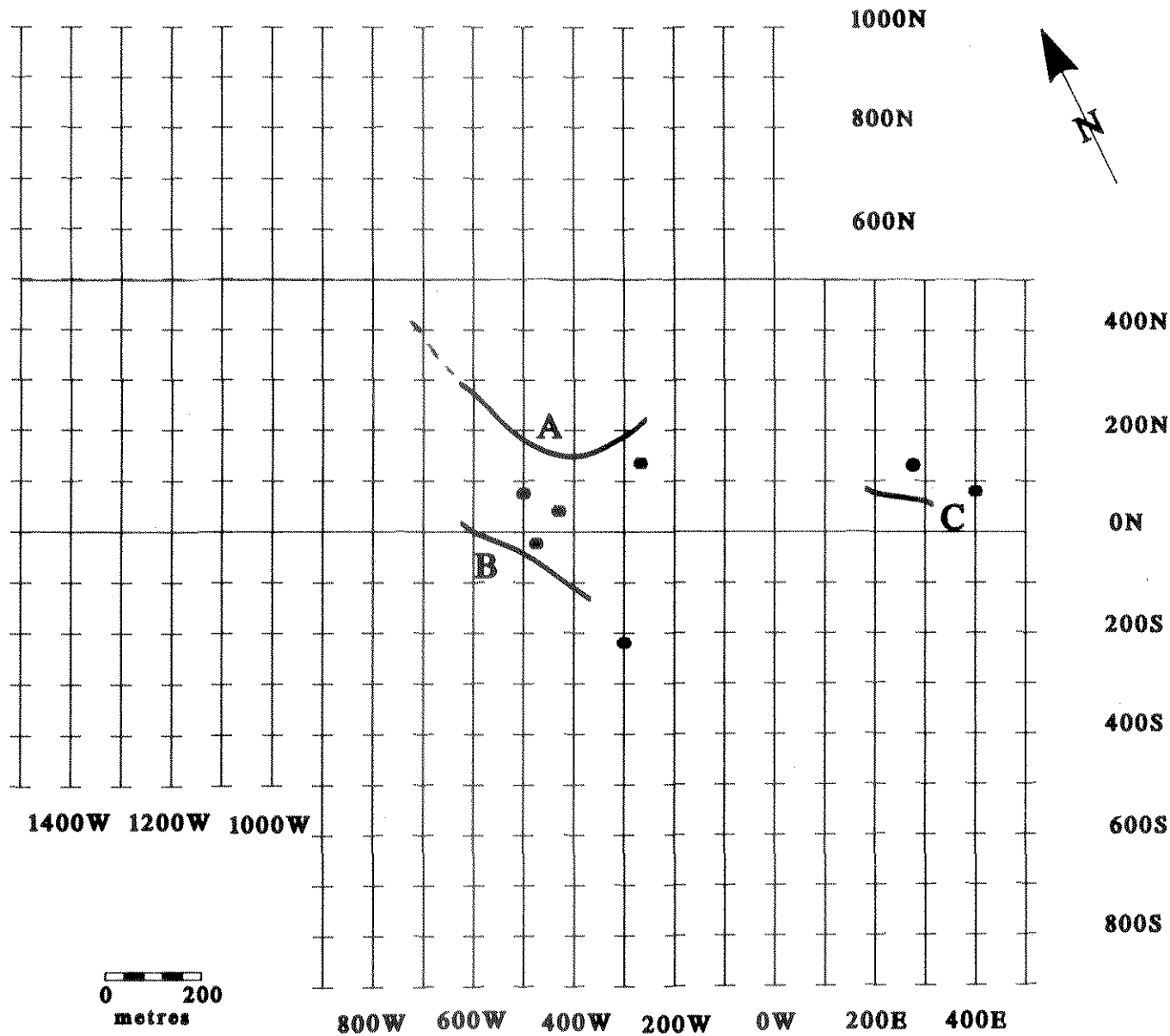
HLEM and VLF surveys located anomalous responses in several locations. The HLEM survey identified two weak conductors (B and C) and one strong conductor (A) shown on Figures 5 & 9. Conductor B traces the main zone from the creek to the west. Conductor C has a similar responses to that encountered at the main zone but is located on the east edge of the upland. The strong Conductor A has an apparent conductance in the range expected for massive sulphides, and has an apparent strike length of 300 meters. Anomaly A produced the strongest response at grid 4+00W, 1+60N indicating a body less than 10 m thick which dips at a shallow angle to the north.

The VLF-EM survey outlined a strong anomaly coincident with HLEM conductor A.

Magnetometer data collected in 1990 was reprocessed producing a plot of a fairly uniform magnetic field. This suggests that there is a low concentration of accessory magnetite in the metavolcanic rocks.

TRENCHING

One trench was excavated using the Kubota hoe and five blast pits were completed on steep slopes. Approximately 110 cubic meters of material was removed. Mapping and sampling of the trenches was performed by the writer. The main zone was well exposed on both sides of the gully from previous blasting work.



0 200
metres

- - Sulphide showing
- - HLEM Conductor Axis

PROBE RESOURCES		Claims: ELLEN I-37	
ELLEN PROPERTY Anomaly Map		Mining District: Whitehorse	
		NTS: 15 A 13	
AMEROK GEOPHYSICS		INTERPRETER: M. Power	
		DATE: 15 OCT 93	Figure: 9

DISCUSSION

The 1993 exploration program has extended the main zone of mineralization and identified several promising targets which may represent similar sulphide bodies. Rock sample results show a widespread distribution of chalcopyrite and quartz in foliated greenstone along the slope of the Shakwak Valley. Geophysical and geochemical surveys outline coincident copper, HLEM and VLF anomalies around and down dip of the main showing. The following conclusions are presented:

- 1) Volcanogenic massive sulphide style mineralization has been located on the ELLEN claims. Sulphides occur in layered mafic volcanic rocks and interbedded argillaceous tuff. Strong serpentinization and pillows are evident.
- 2) The main zone of mineralization consists of a 5-10 meter wide section of concordant veins and lenses of chalcopyrite and pyrite in silicified volcanics and argillite. Sulphide content averages 10%. The main zone has been traced over a 200 meter strike length by copper geochemistry and an HLEM anomaly.
- 3) Canadian Barranca Mines Ltd. intersected copper mineralization over significant widths in drill holes cutting the main zone. Recent surface assays contain gold values of >6667ppb.
- 4) Mineralization is extensive in outcrop along both sides of the Ellen Creek gully downstream and down dip of the main zone. Chalcopyrite occurs in greenstones along trend of the Ellen Creek gully on the steep north facing side of the Shakwak Valley.
- 5) A strong copper soil anomaly covers the west side of the Ellen Creek gully and extends northwest into the Shakwak Valley. Spot high gold soil anomalies are concentrated in the high copper areas.
- 6) The HLEM survey located a weak conductor at the main zone and identified a similar anomaly on the upland area. A strong east-west trending HLEM and VLF conductor is located 170 meters downstream of the main zone.

RECOMMENDATIONS

Diamond drilling of the main zone and other targets is recommended in a two phase program of exploration. At the main zone on the west side of the gully, a drill pad could be situated on the old road (see Fig. 6). A drill site on the east side of the creek would require blasting. Road access is presently available to the base of the gully; a limited amount of cat work and blasting would extend the road to potential drill sites for the main zone. Alternately a drill could be moved in by helicopter for the initial phase.

The strong HLEM conductor A should also be tested by two holes. Road access is available to this site.

The following two phase program is proposed:

PHASE 1

Diamond Drilling, 400m	60,000
Geological supervision	7,500
Surface exploration	12,500
Camp and support	7,500
Transportation	7,500
Geochemistry, assays	5,500
Trenching & cat work	9,000
Report & assessment	5,500
TOTAL	\$115,000

PHASE 2

Diamond drilling, 750m	100,000
Geological supervision	10,000
Assays	3,000
Camp, supplies	10,000
Transport	7,500
Cat work	15,000
Report	4,500
TOTAL	\$150,000

STATEMENT OF COSTS

PERIOD: August 13-September 25, 1993

Can-Do Explorations;

Manager: M. Elson
Personnel: B. Saeur, V. Krause, J. Charlie, B. Shay, R. Pugh
Expediter: H. Macdonald
Contractors: Amerok Geophysical
G.S. Davidson, P.Geol.
Polar Rose Expl.

Grid development and line cutting	12,500
Geochemistry	
Geophysical surveys	7,500
Geology and prospecting	
Trenching and road work	10,000
Camp and Support	
Transportation	
Analytical services: Northern Analytical	10,400
Management and expediting	
Report, preparation, secretarial, copying, drafting	3,750
SUB TOTAL COSTS \$	41,150

CERTIFICATE

I, GRAHAM DAVIDSON, of the City of Whitehorse, in the Yukon Territory, HEREBY CERTIFY:

1. That I am a consulting geologist and that I supervised the work program described in this report.
2. That I am a graduate of the University of Western Ontario (H.BSc., 1981).
3. That I am registered as a professional geologist by the Association of Professional Engineers, Geologists and Geophysicists of Alberta (#42038).
4. That I have been engaged in mineral exploration on a full time basis for thirteen years in the Yukon, Northwest Territories and British Columbia.
5. That I own a 24.5% interest in all proceeds from the sale or option of the Ellen claims.

SIGNED at Whitehorse, Yukon this 17th day of December, 1993.

G.S. DAVIDSON, P.Geol.



REFERENCES

Report on HLEM and VLF Surveys on the Ellen Property, 1993, Amerok Geophysics

Canadian Barranca Mines Ltd., 1966, Drill Logs, Assessment Files, DIAND

Davidson, G.S., 1990, Summary Report on the Ellen Claims, Assessment Report, DIAND

Geological Survey of Canada, Open File 829, 830 & 831 Geology Maps

Kindle, E.D., 1953, Dezadeash Map-Area, Yukon Territory, G.S.C. Memoir 268

APPENDIX 1

APPENDIX 1

SAMPLE NUMBER	GRID	DESCRIPTION	AU PPB	CU PPM
18313	395W 080N	greenstone, quartz lenses, minor cpy, malachite	9	308
18314	430W 055N	chloritic greenstone, minor cpy in quartz veinlets	8	118
18315	470W 050N	serpentinized mafic volcanic quartz-calcite veins, py cubes	22	124
18316	475W 050N	narrow quartz vein, limonite gouge	9	669
18317	500W 095N	greenstone, quartz-calcite- chlorite vein, cpy + py, malachite	>6667	7321
18318	500W 082N	serpentinized greenstone, heavily weathered, cpy, malachite, limonite	217	11059
18319	500W 083N	chloritic argillite, patches of cpy + py	352	6697
18320	500W 135N	greenstone, minor cpy	60	363
18321	1700W 500N	gabbro, serpentinized, py	178	81
18322	1500W 200S	fine grained peridotite, limonite	<5	20
18323	1200W 175N	mafic volcanic, 2% py, limonite	8	774

18324	265W 100N	mafic tuff, quartz veins, diss. cpy, chlorite	6	3049
18325	265W 125N	mafic tuff, quartz veinlets, cpy + py, malachite	10	2829
18326	main zone	50cm chip, argillite, stringers & lenses of cpy + py, malachite	109	2.4%
18327	main zone	100cm chip, argillite, greenstone lenses & veinlets cpy + py, malachite	943	2.6%
18328	main zone	100cm chip, waxy black to brown weathered argillite, 20% lenses & veins cpy + py	516	9.0%
18329	main zone	180cm chip, black argillaceous tuff, 5% cpy lenses & bands	2286	16434
18330	main zone	180cm chip, argillaceous and greenstone tuff, quartz veins, 3% cpy + py bands	274	17393
18331	main zone	grab of best mineralized argillite, 25% cpy + py	6606	21%
18332	main zone	150cm chip, argillite, quartz bands, bands & lenses of cpy + py 20%, malachite, azurite	373	4.0%
18333	main zone	150cm chip, same as 18332	844	2.8%
18334	main zone	50cm chip, argillite, 5% cpy + py bands	56	3.5%
18335	main zone	90cm chip, argillite, cpy + py bands	25	9781

18336	main zone	120cm chip, greenstone & black argillaceous layers, cpy + py + quartz, malachite	44	4908
18337	main zone	150cm chip, andesite & argillite, bands and lenses of cpy + py + quartz	1060	6.7%
18338	main zone	grab, 5cm wide quartz sulphide vein, heavily weathered, limonite	304	16%
18339	430W 030N	argillaceous tuff, bands of cpy + py + quartz, malachite, azurite	79	9.1%
18340	430W 050N	argillaceous tuff, quartz rich layers, 2% cpy in veinlets	23	10515
18341	450W 118N	greenschist, rusty weathering minor py, limonite	10	447
18342	450W 125N	serpentinized zone, quartz-carbonate-sericite rock	10	318
18343	450W 135N	quartz-carbonate-sericite rock, limonite	15	67
18344	500E 050N	greenstone, quartz-calcite-chlorite veins	13	3560
18345	430W 025N	greenstone, quartz + cpy + py vein, limonite, 20% sulphides	993	13%
18346	430W 025N	25cm wide quartz-sulphide vein, 30% cpy + py cubes	>6667	6.4%
18347	470W 060N	greenstone, quartz banding, 2% diss. cpy + py	37	11919
18348	485W 095N	serpentinized greenstone, malachite, azurite	70	7489

18349	465W 060N	silicified greenstone, quartz bands and lenses, minor cpy	14	2809
18350	300E 125N	greenschist, quartz bands, 3% cpy + py, azurite	199	18238
18351	300E 125N	same as above, more quartz	40	5207
18352	340E 100N	greenschist, quartz bands, py cubes, limonite	140	993
18353	340E 100N	greenschist, minor cpy + py	18	174
18354	450W 100N	greenstone, serpentized, py	9	280
18355	450W 101N	300cm chip, foliated greenstone, minor py	10	179
18356	450W 104N	250cm chip, greenstone, minor py	64	173
18357	450W 108N	200cm chip, greenschist, limonite	12	187
18358	450W 113N	200cm chip, greenschist	13	200
18359	450W 123N	200cm chip, greenschist, limonite	35	225
18360	450W 126-129N	300cm chip, quartz-carbonate- sericite zone, limonite	9	126
18361	450W 129-131N	200cm chip, same as 18360	12	200

18362	450W 131-133N	200cm chip, same as 18360	8	251
18363	450W 133-135N	200cm chip, same as 18360	10	211
18364	620W 050S	greenstone, quartz-carbonate, minor cpy + py	433	7578

APPENDIX 2

PROBE RESOURCES LTD.

**HLEM AND VLF SURVEYS OF THE ELLEN
PROPERTY, HAINES JUNCTION AREA,
YUKON TERRITORY**

M. A. Power M.Sc.

Quartz claims

ELLEN 1-5	YA97362-YA97366
ELLEN 6-8	YB26797 -YB26799
ELLEN 9-20	YB27078 - YB27089
ELLEN 25-27	YB27094 - YB27096
ELLEN 28-31	YB35380 - YB35383
ELLEN 32-37	YB36844 - YB36849

Location: 60° 52' N 137° 57' W

NTS: 115 A 13

Territory/Province: Yukon Territory

Mining District: Whitehorse

Work Performed: August 26 - September 17, 1993

Date: October 22, 1993

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B. Location and access	2
C. Property	2
D. Geology	2
E. Grid and survey specifications	5
F. Results.....	7
G. Conclusions.....	14
H. Recommendations.....	14
References cited	15
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APP

Summary

HLEM and VLF surveys were conducted on portions of the Ellen Property near the Jarvis River, Haines Junction area, Yukon Territory in August and September 1993. The HLEM survey located two weak conductors and one strong conductor in the area of known massive sulphide occurrences. The strong conductor has an apparent conductance in the range expected for massive sulphides, is discordant and stratigraphically below the exposed mineralization, and has an apparent strike length of 300 m.

A. Introduction

This report describes the results of horizontal loop electromagnetic (HLEM) and very low frequency (VLF) surveys of portions of the Ellen Property near Jarvis River, Kluane area, Yukon. The surveys were undertaken to locate massive sulphide targets in PermoTriassic volcanic rocks near the Shakwak Fault.

B. Location and access

The Ellen Property is located at 60° 52' N 137° 57' W in the Kluane Ranges of the Yukon Territory, approximately 200 km west of Whitehorse (Fig. 1). The property can be reached from the Alaska Highway using a tote road which meets the highway about 1 km north of the Jarvis River bridge. This road runs 3.5 km southwest to a ford on the Jarvis River and then 5 km south into the property.

C. Property

The Ellen Property consist of 49 Quartz claims in the Whitehorse Mining District, Y.T. The outline of the claim block is shown in Figure 1 and the property data as of 20 OCT 93 is shown below:

<u>Claim name</u>	<u>Record Number</u>	<u>Expiry Date</u>
Ellen 1-5	YA97362 - YA97366	14 NOV 95
Ellen 6	YB26797	29 SEP 95
Ellen 7	YB26798	01 MAY 95
Ellen 8	YA26799	29 SEP 95
Ellen 9-20	YB27078 - YB27089	11 DEC 95
Ellen 25 - 27	YB27094 - YB27096	11 DEC 95
Ellen 28-31	YB35480 - YB35483	22 OCT 97
Ellen 32-37	YB36844 - YB36849	12 AUG 97

D. Geology

The Ellen Property is underlain by metavolcanic and metasedimentary rocks and partially covered by thick unconsolidated glacial deposits (Fig. 2). Andesitic and basaltic volcanic rocks with intercalated pelagic shales (PMv) form a homoclinal unit with a mean bedding orientation of approximately 110° 50° S. The entire sequence has been metamorphosed to lower greenschist facies (Campbell and Dodds 1980). Unconsolidated

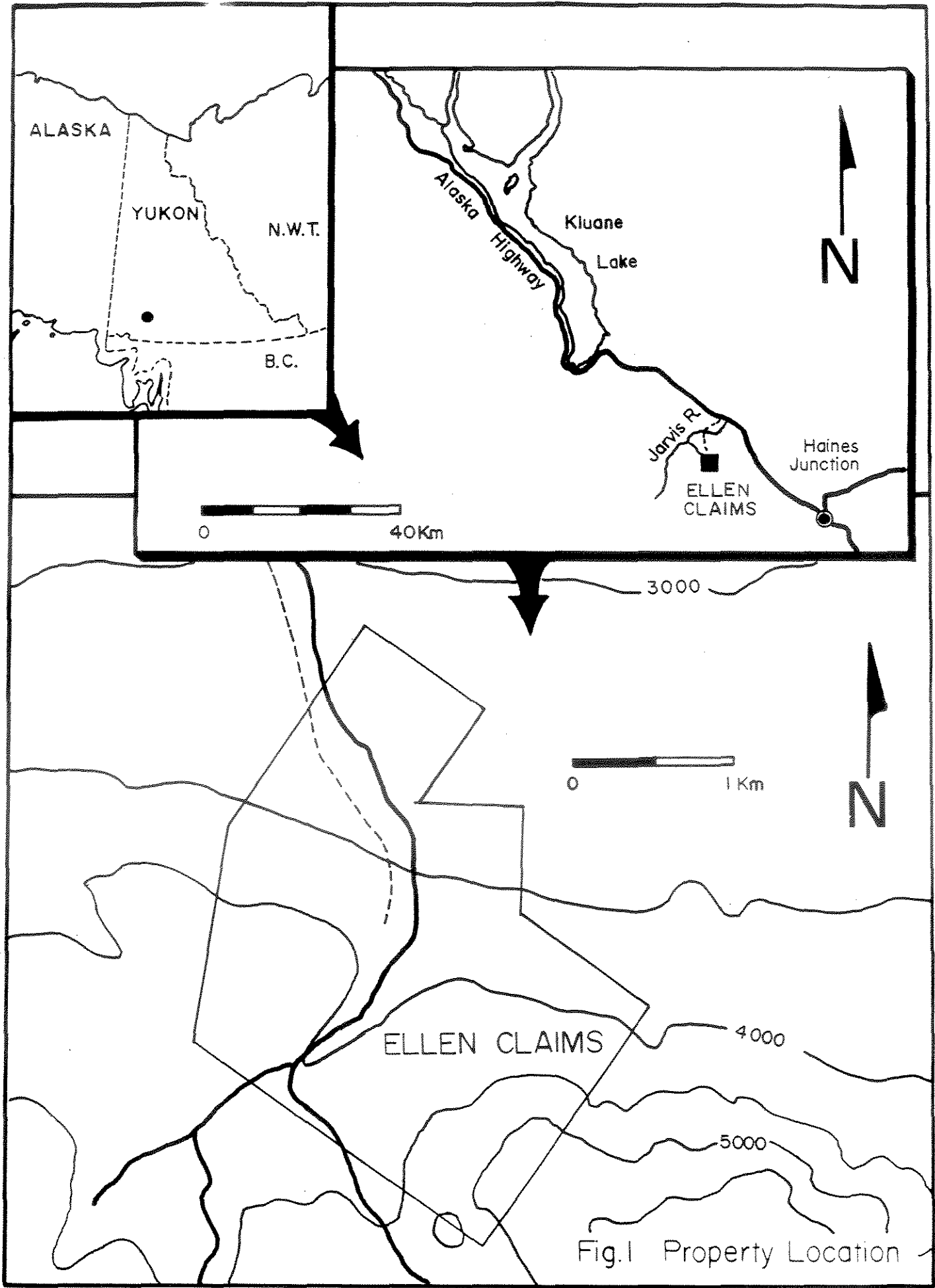


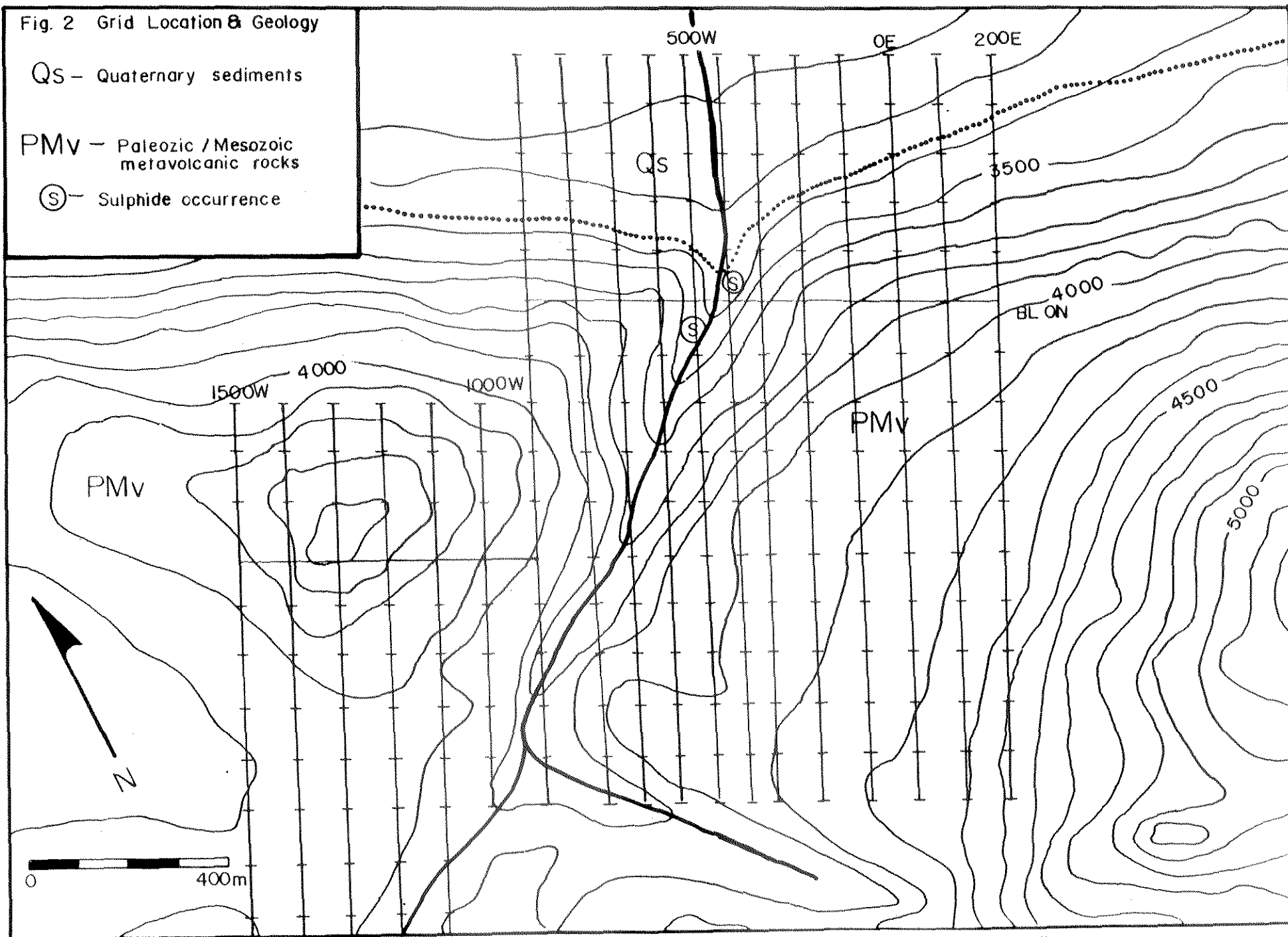
Fig.1 Property Location

Fig. 2 Grid Location & Geology

QS - Quaternary sediments

PMV - Paleozoic / Mesozoic
metavolcanic rocks

Ⓢ - Sulphide occurrence



glacial till (Qs) covers most of the property below 3500 feet. Clay-rich boulder till is exposed in cuts along the access road and creek beds. Thin deposits of locally derived glacial till cover most of the property but above the 3500 foot level these appear to be no more than 5 to 15 m thick. Outcrop is generally restricted to the creek beds and no large scale structures have been mapped on the property.

The main showing occurs along Ellen Creek approximately 100 m south of the base line between lines 400W and 500W. It consists of a tabular massive sulphide body, about 1 m thick and oriented $110^{\circ} 40^{\circ}$ S composed mostly of chalcopyrite with lesser pyrite and quartz. Drill hole logs mention pyrrhotite as an accessory mineral. Disseminated pyrite and chalcopyrite in quartz veins occur north of this showing near the baseline on the creek.

E. Grid and survey specifications

The survey grid consists of 18 survey lines orthogonal to a baseline trending 110° . Lines vary in length from 1500 to 2500 m. The grid was first established in 1990 and the original grid is shown in Figure 2. The grid was re-established and extended in August 1993. Survey lines are 100 m apart extending from 200E to 1500W and stations run from 1000S to 1500N. Line 450W is an intermediate survey line parallel to Ellen Creek, covering the main showing. All line and station locations were slope corrected. Only a portion of the grid centred on the main showing in Ellen Creek was covered by the HLEM and VLF survey.

The HLEM survey was performed with an Apex Parametrics Maxmin I-9. A complete description of the system is provided in Betz (1976). Gary Lee, P. Eng. operated the instrument on-site and performed the initial data processing. Frequency and coil separations used in the survey are listed below:

<u>Pass</u>	<u>Coil Spacing</u>	<u>Frequency</u>
Initial	100 m	220 Hz
		880 Hz
		3520 Hz
Follow-up	50 m	440 Hz
		1760 Hz
		3520 Hz
	150 m	440 Hz
		880 Hz
		1760 Hz

Operating frequencies at the low end of the instrument range were selected to attenuate responses from weak conductors such as faults or zones of disseminated sulphide

mineralization.

Variations in coil geometry strongly affect the in-phase component of the HLEM response. To remove this source of noise, the survey was conducted with a nominal fixed cable length and measurements of the station-to-station terrain slope were taken with a clinometer. In effect, the grid was rechainned without slope correcting. The corrected in-phase (IP) and quadrature (Q) components were then calculated from:

$$IP = (IP_m + 100)K - 100 + 300 \sin^2 \phi \quad (1)$$

$$Q = Q_m K \quad (2)$$

where:

$$K = (a_{\text{corr}} / a)^3 \quad (3)$$

$$\phi = \tan^{-1} \left(\frac{\sum \sin \theta_i}{\sum \cos \theta_i} \right) \quad (4)$$

$$a_{\text{corr}} = d \left((\sum \sin \theta_i)^2 + (\sum \cos \theta_i)^2 \right)^{1/2} \quad (5)$$

and

a - nominal coil spacing

a_{corr} - corrected coil spacing

d - station spacing

θ_i - slope to the i -th station between the transmitter and receiver measured in the direction of travel and summed over the number of stations in a coil spacing.

Q_m - uncorrected quadrature component

IP_m - uncorrected in-phase component

The apparent noise envelope after these corrections is approximately $\pm 4\%$ for the 50 m coils and $\pm 2\%$ for the larger coil spacings.

Portions of the grid were on slopes exceeding 45° and this created a significant mismatch between the HLEM grid coordinates recorded by the operator and the true slope-corrected grid coordinates. Consequently, HLEM data listed in this report (Appendix B and Figures 4 and 5) are referenced to a straight chained grid coordinate system: VLF and magnetic field data together with HLEM conductor axes on the anomaly map (Fig. 7) are referenced to the slope-corrected grid coordinate system.

The VLF-EM survey was conducted with a Geonics EM-16 VLF receiver operated by Brian Sauer. Readings of the field tilt in percent using the Cutler, Maine (NAA) transmitter were taken at 25 m stations. The facing direction was south producing anomalies which cross from positive to negative moving north to south over a discrete conductor.

F. Results

Total magnetic field data collected in 1990 by G. Davidson, P. Geol., was reprocessed and is plotted in Figure 3. Despite the presence of pyrrhotite in drill holes near the main showing, there is no magnetic response in this area (400W - 500W, 100S). A pronounced magnetic low occurs on the northwest edge of the grid; it appears to be caused by a reversed magnetized source and is distant from all known sulphide occurrences.

The results of the HLEM survey are shown in Figures 4 to 7. Appendix B contains a listing of the corrected HLEM data. Figure 4 displays a line profile map of the HLEM data collected at the 100 m coil spacing on the 3520 Hz channel. This frequency produced the best responses. One strong anomaly (A) and two weak anomalies (B, C) were detected on this pass. The slope-corrected grid locations of all conductor axes are shown in Figure 7 together with known sulphide occurrences.

Anomaly A was considered promising given its strength and proximity to known sulphide occurrences. Portions of lines 300W, 400W and 450W covering this anomaly were resurveyed in a second pass. The strongest responses were recorded on line 400W and the results are shown in Figure 5. Best estimates of conductor parameters were calculated from characteristic curves developed by Ketola and Puranen (1967). They are listed below:

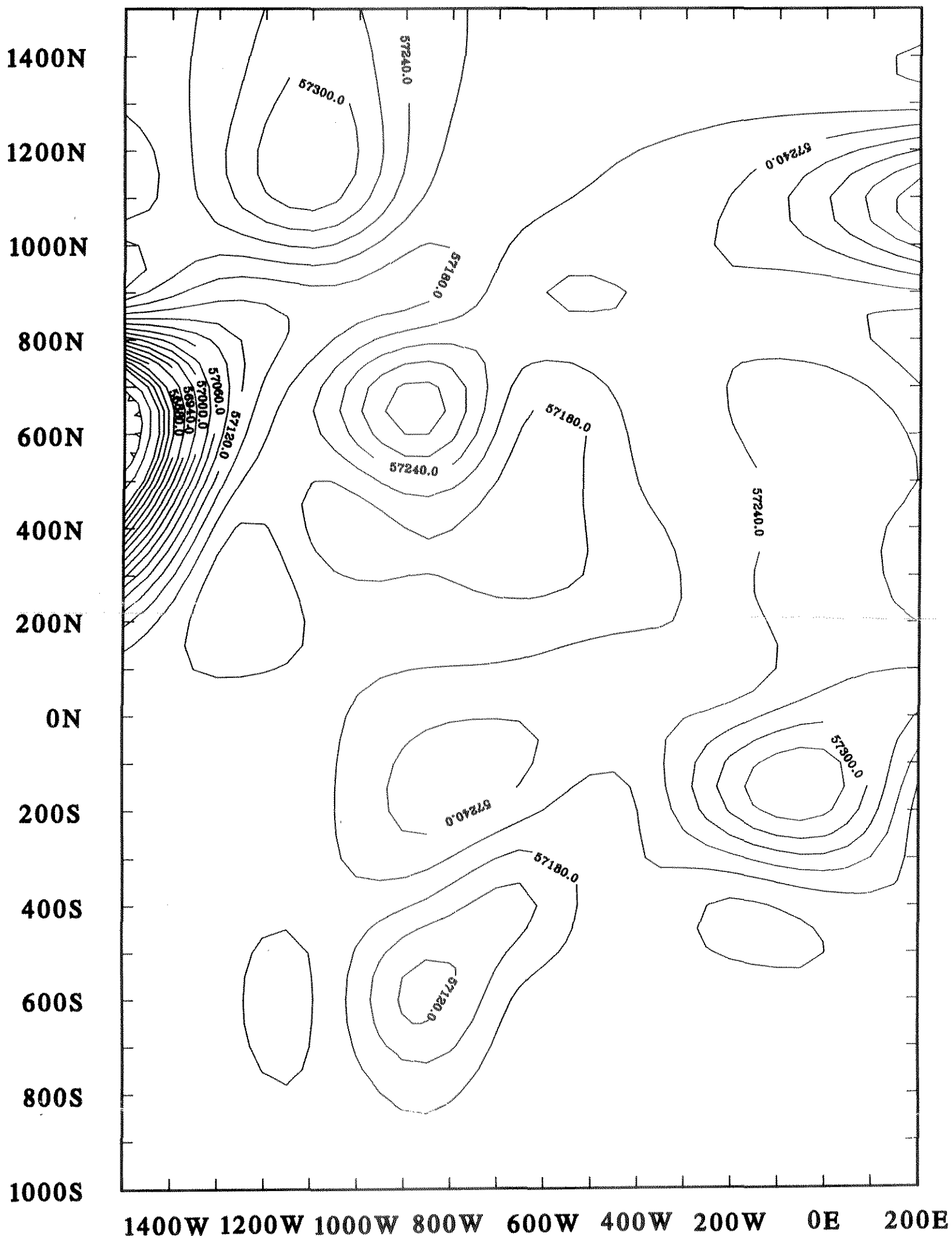
Apex: Line 400W Station 160N (slope corrected grid)

Depth to top: Less than 25 m; a weak response at the 50 m coils suggests that the conductor may not outcrop beneath colluvium.

Dip: Shallow to the North. This is indicated by the topographic expression of the conductor axis, by solution of the 3-point problem and by the response asymmetry. The larger positive response flanking the central low will occur on the down dip side of the conductor. In this case, the larger flanking positive anomalies tend to occur on the north side of the low.

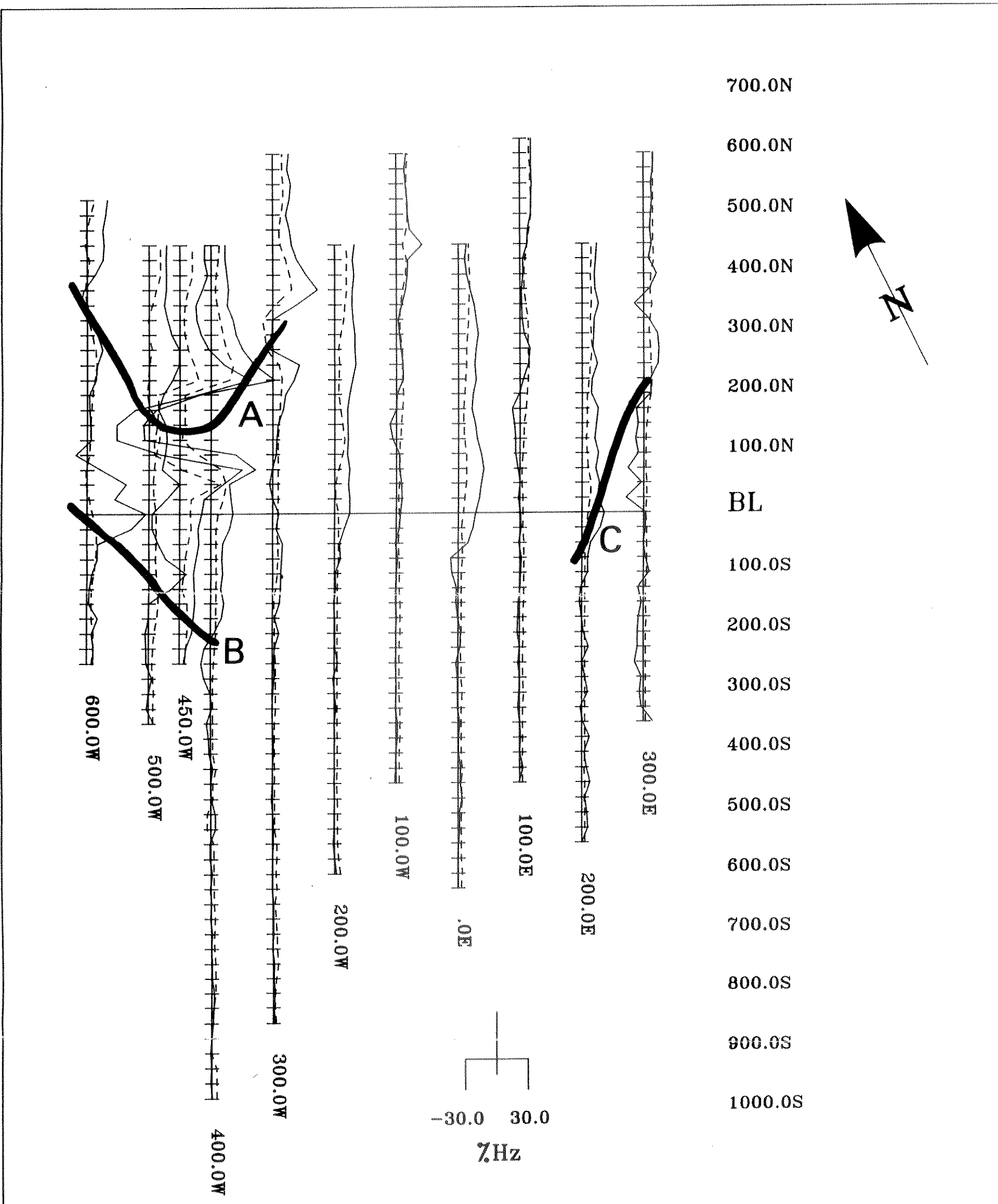
Strike: Approximately 350°.

Thickness: Less than 10 m; the distance between zero crossovers is not significantly different from the coil spacings.



Contour interval: 30 nT

PROBE RESOURCES	Claims: ELLEN I-37
ELLEN PROPERTY Total Magnetic Field Survey	Mining District: Whitehorse NTS: I5 A I3
AMEROK GEOPHYSICS	OPERATOR: G. Davidson P. Geol. DATE: 15 OCT 93 Figure: 3



(In-Phase solid / Quadrature dashed)

0 metres 200

— Conductor axis
 Coil Spacing: 100 m
 Frequency: 3520 Hz

PROBE RESOURCES	Claims: ELLEN I-37
ELLEN PROPERTY Maxmin I-9 Survey	Mining District: Whitehorse NTS: I5 A I3
AMEROK GEOPHYSICS	OPERATOR: G. Lee P.Eng. DATE: 15 OCT 93 Figure: . 4

Coil spacing: 50.0 m

3520.0 Hz

20.0
Hz
(%)
.0
-20.0

1760.0 Hz

440.0 Hz

Coil spacing: 100.0 m

3520.0 Hz

40.0
Hz
(%)
.0
-40.0

880.0 Hz

220.0 Hz

Coil spacing: 150.0 m

1760.0 Hz

40.0
Hz
(%)
.0
-40.0

880.0 Hz

440.0 Hz

300.0S 200.0S 100.0S .0N 100.0N 200.0N 300.0N 400.0N 500.0N

(In-phase solid / Quadrature dashed)

Stacked Profiles - Line 400W

PROBE RESOURCES	Claims: ELLEN I-37
ELLEN PROPERTY Maxmin I-9 Survey	Mining District: Whitehorse NTS: 115 A 13
AMEROK GEOPHYSICS	OPERATOR: G. Lee P.Eng. DATE: 15 OCT 93 Figure: 5

Inductive Thickness Plot

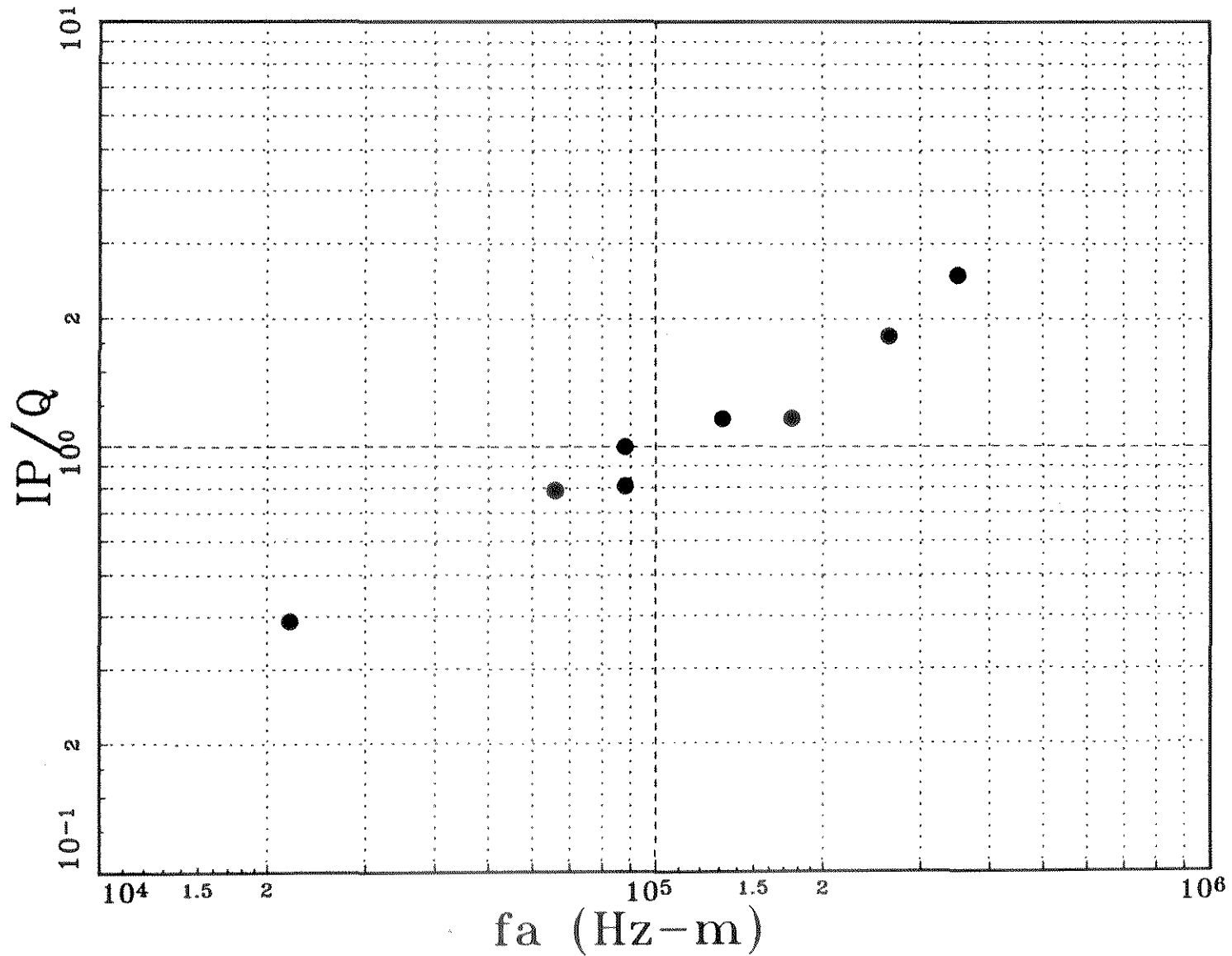


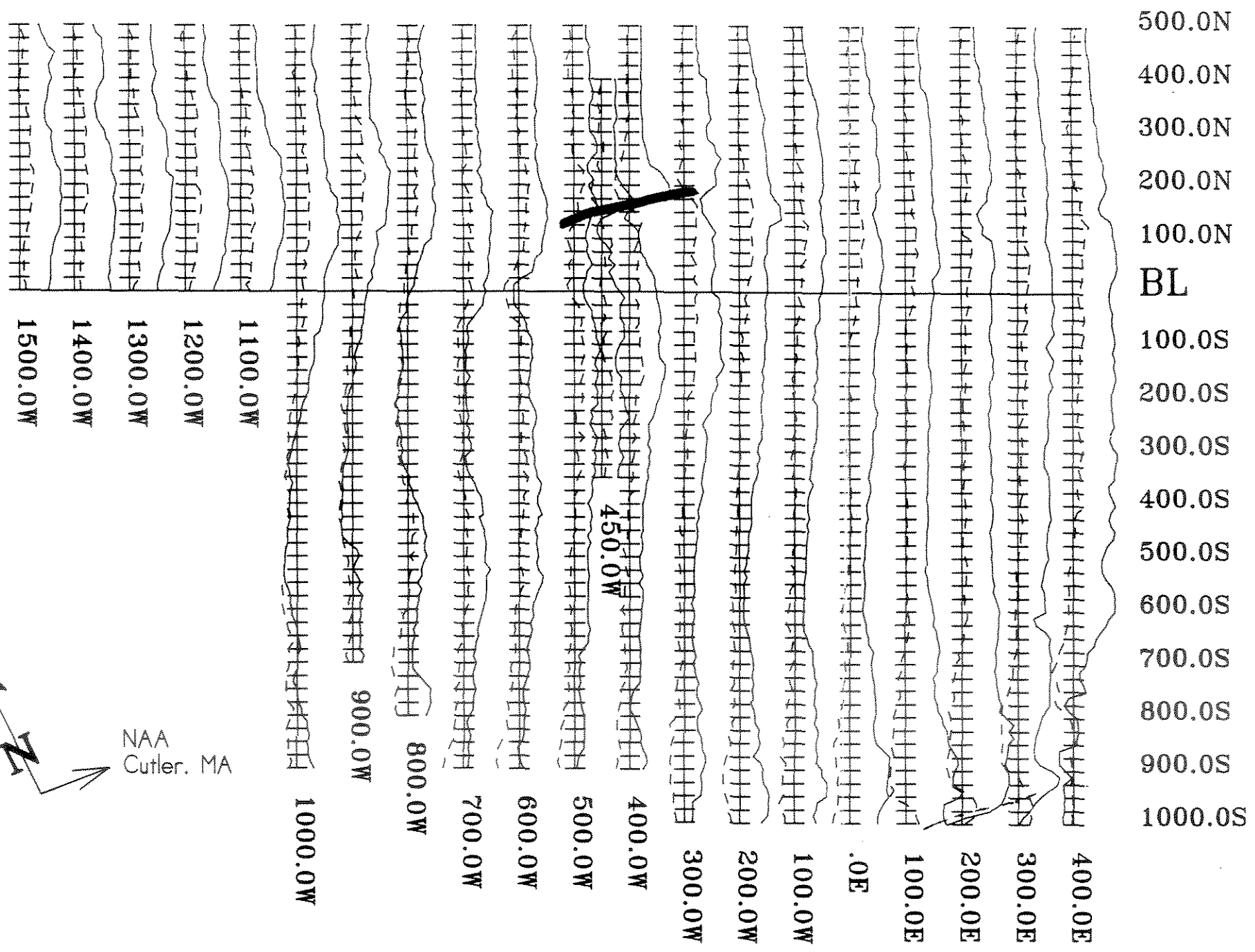
Figure 6. IP/Q ratios versus frequency-separation products for Line 400W

σt : Approximately 6 S.

σt estimates can be significantly in error and are usually too low if the conductor is not "inductively thin" (Betz 1967). This property can be verified by plotting the ratio of IP/Q versus the response parameter or, equivalently, versus the product of the frequency and coil spacing (f^*a). In an inductively thin conductor, a log-log plot of IP/Q versus f^*a will produce a straight line. A plot of IP/Q versus f^*a for the responses on line 400W is shown in Figure 6. The general trend of the data is definitely linear, confirming the reliability of the σt estimate. The estimated conductance of 6 S is within the range of conductances normally noted over massive sulphide conductors (Palacky 1987). Unfortunately, it is also within the recorded conductance range of graphite conductors.

Anomalies **B** and **C** are very weak inflection anomalies which could be following a geological contact. They are of interest only insofar as they are proximal to sulphide occurrences.

The results of the VLF-EM survey are shown in Figure 8 and a data listing is contained in Appendix C. A pronounced response coincident with Anomaly **A** is the only significant feature in the data. The long wave length anomalies in the data are apparently caused by topography.



NAA
Cutler, MA

0 400
metres

-30.0 30.0
%Hz

— - Conductor axis

PROBE RESOURCES	Claims: ELLEN I-37	
ELLEN PROPERTY EM-16 VLF Survey	Mining District: Whitehorse	
	NTS: I15 A 13	
AMEROK GEOPHYSICS	OPERATOR: B. Sauer	
	DATE: 15 OCT 93	Figure: 8

G. Conclusions

The results of the survey lead to the following conclusions:

- (1) Conductor **A** has a σt within the range of conductances normally displayed by massive sulphides and graphite.
- (2) Conductor **A** is proximal to and stratigraphically down section from several concordant sulphide showings.
- (3) Conductor **A** is possibly a discordant structure apparently dipping at a shallow angle to the north whereas bedding dips moderately south.
- (4) Anomalies **B** and **C** are very weak and their source conductors are unlikely to be significant bodies of conductive massive sulphide.

H. Recommendations

Anomaly **A** should be tested by drill holes on lines 400W and 300W. If sulphides are intersected, the drill hole should be surveyed with a down hole time domain EM system (eg. Crone or UTEM) to attempt to locate a possibly larger, concordant massive sulphide body.

Respectfully submitted,
AMEROK GEOPHYSICS



M.A. Power M. Sc.
Geophysicist

Whitehorse, Yukon Territory
October 22, 1993

References Cited

Betz J.E. 1976. Technical notes and operational description of the Maxmin HLEM system
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loop) anomalies over tabular bodies. Geological Survey of Finland.

Palacky G.J. (1987). Resistivity Characteristics of Geologic Targets. in: Nabighian, M.
Electromagnetic Methods in Applied Geophysics - Theory Volume I.
Tulsa: Society of Exploration Geophysicists.

Appendix A. Statement of Qualifications

I, Michael Allan Power of Whitehorse, Yukon Territory, certify that:

1. I obtained a Bachelor of Science degree with First Class Honours in Geology from the University of Alberta in 1986 and a Masters degree in Geophysics from the University of Alberta in 1988.
2. I have worked in the mining exploration industry and in geophysical research since 1984.
3. I supervised the HLEM survey described in this report and prepared this report for submission.
4. I have not received nor expect to receive, directly or indirectly, any interest in the property of Probe Resources Ltd.



Michael A. Power M.Sc.

Whitehorse, Yukon Territory
October 22, 1993

APPENDIX 3



CERTIFICATE OF ANALYSIS
iPL 93J1402

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Northern Analytical Laboratories 41 Samples
Out: Oct 20, 1993 Project: WO 00346
In: Oct 14, 1993 Shipper: Norm Smith
PO#: Shipment: ID=C030901

0= Rock 0= Soil 0= Core 0=RC Ct 0= Pulp 41=Other
Raw Storage: -- -- -- -- -- 03Mon/Dis
Pulp Storage: -- -- -- -- -- 12Mon/Dis

[057011:55:15:39102093]
Mon=Month Dis=Discard
Rtn=Return Arc=Archive

Msg: ICP(AqR)30
Msg: Data Disk

Document Distribution

1 Northern Analytical Laboratories EN RT CC IN FX
105 Copper Road 1 2 2 2 1
Whitehorse DL 3D 5D BT BL
YT Y1A 2Z7 0 0 0 1 0
ATT: Norm Smith Ph:403/668-4968
Fx:403/668-4890

Analytical Summary

##	Code	Met	Title	Limit	Limit	Units	Description	Element	##
			hod	Low	High				
01	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	01
02	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	02
03	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	03
04	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	04
05	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	05
06	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	06
07	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	07
08	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molydenum	08
09	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm	Thallium	09
10	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	10
11	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	11
12	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	12
13	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	13
14	704P	ICP	Ba	2	9999	ppm	Ba ICP	Barium	14
15	727P	ICP	W	5	999	ppm	W ICP	Tungsten	15
16	709P	ICP	Cr	1	9999	ppm	Cr ICP	Chromium	16
17	729P	ICP	V	2	999	ppm	V ICP	Vanadium	17
18	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	18
19	713P	ICP	La	2	9999	ppm	La ICP	Lanthanum	19
20	723P	ICP	Sr	1	9999	ppm	Sr ICP	Strontium	20
21	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	21
22	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	22
23	726P	ICP	Ti	0.01	1.00	%	Ti ICP	Titanium	23
24	701P	ICP	Al	0.01	9.99	%	Al ICP	Aluminum	24
25	708P	ICP	Ca	0.01	9.99	%	Ca ICP	Calcium	25
26	712P	ICP	Fe	0.01	9.99	%	Fe ICP	Iron	26
27	715P	ICP	Mg	0.01	9.99	%	Mg ICP	Magnesium	27
28	720P	ICP	K	0.01	9.99	%	K ICP	Potassium	28
29	722P	ICP	Na	0.01	5.00	%	Na ICP	Sodium	29
30	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	30

Client: Northern Analytical Laboratories
Project: W0 00346 41 Rock Pulp

iPL: 93J1402

Out: Oct 20, 1993
In: Oct 14, 1993

Page 2 of 2

Section 1 of 1
Certified BC Assayer: David Chiu



Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
018352	R 1.9	993	2	9	80	9	<	27	<	<	<	5	5	12	<	94	22	67	<	5	1	1	0.06	0.21	0.05	3.11	0.15	0.01	0.02	0.01
018353	R 0.4	174	11	63	9	<	<	12	<	<	<	27	40	10	<	97	210	656	<	9	3	3	0.49	2.22	0.39	5.82	2.23	0.02	0.04	0.03

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 9.99 5.00 5.00
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 International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898

08-Oct-93date

Assay Certificate

Page1

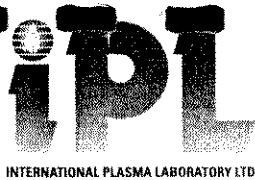
Probe Resources

WO 00346

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18314	8
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18316	9
18317	>6667
18318	217
18319	352
18320	60
18321	178
18322	<5
18323	8
18324	6
18325	10
18326	109
18327	943
18328	516
18329	2286
18330	274
18331	6606
18332	373
18333	844
18334	56
18335	25
18336	11
18337	1060
18338	304
18339	79
18340	23
18341	10
18342	10
18343	15
18344	13
18345	993
18346	>6667
18347	37
18348	70
18349	14
18350	199
18351	40
18352	140
18353	18

Certified by





INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 93J1403

2036 Columbia Street
 Vancouver, B.C.
 Canada V5Y 3E1
 Phone (604) 879-7878
 Fax (604) 879-7898

Northern Analytical Laboratories 11 Samples

Out: Oct 20, 1993 Project: W0 00349
 In: Oct 14, 1993 Shipper: Norm Smith
 PO#: Shipment: ID=C030901

0= Rock 0= Soil 0= Core
 Raw Storage: ---
 Pulp Storage: ---

0=RC Ct 0= Pulp 11=Other
 --- -- 03Mon/Dis
 --- -- 12Mon/Dis

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 Rtn=Return Arc=Archive

Msg: ICP(AqR)30
 Msg: Data Disk

Document Distribution

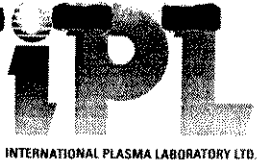
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105 Copper Road	1	2	2	2	1
Whitehorse	DL	3D	5D	BT	BL
YT Y1A 2Z7	0	0	0	1	0

ATT: Norm Smith

Ph:403/668-4968
 Fx:403/668-4890

Analytical Summary

##	Code	Met	Title	Limit	Limit	Units	Description	Element	##
				Low	High				
01	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	01
02	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	02
03	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	03
04	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	04
05	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	05
06	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	06
07	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	07
08	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molybdenum	08
09	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm	Thallium	09
10	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	10
11	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	11
12	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	12
13	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	13
14	704P	ICP	Ba	2	9999	ppm	Ba ICP	Barium	14
15	727P	ICP	W	5	999	ppm	W ICP	Tungsten	15
16	709P	ICP	Cr	1	9999	ppm	Cr ICP	Chromium	16
17	729P	ICP	V	2	999	ppm	V ICP	Vanadium	17
18	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	18
19	713P	ICP	La	2	9999	ppm	La ICP	Lanthanum	19
20	723P	ICP	Sr	1	9999	ppm	Sr ICP	Strontium	20
21	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	21
22	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	22
23	726P	ICP	Ti	0.01	1.00	%	Ti ICP	Titanium	23
24	701P	ICP	Al	0.01	9.99	%	Al ICP	Aluminum	24
25	708P	ICP	Ca	0.01	9.99	%	Ca ICP	Calcium	25
26	712P	ICP	Fe	0.01	9.99	%	Fe ICP	Iron	26
27	715P	ICP	Mg	0.01	9.99	%	Mg ICP	Magnesium	27
28	720P	ICP	K	0.01	9.99	%	K ICP	Potassium	28
29	722P	ICP	Na	0.01	5.00	%	Na ICP	Sodium	29
30	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	30



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iPL 93J1403

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Northern Analytical Laboratories
Project: WO 00349 11 Rock Pulp

iPL: 93J1403

Out: Oct 20, 1993
In: Oct 14, 1993

Page 1 of 1

Section 1 of 1
Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
018354	R <	280	12	70	<	<	<	4	<	<	<	34	40	9	<	86	128	911	<	11	2	2	0.42	1.90	1.00	5.01	1.95	0.01	0.04	0.09
018355	R 0.1	179	11	96	<	<	<	5	<	<	<	34	51	37	<	109	142	953	2	52	2	10	0.29	2.23	2.97	5.28	3.03	0.07	0.02	0.07
018356	R 0.2	173	14	92	<	<	<	5	<	<	<	36	60	193	5	119	194	1081	2	92	2	20	0.24	3.09	4.79	6.23	4.40	0.11	0.03	0.07
018357	R 0.2	187	13	87	<	<	<	6	<	<	<	39	63	131	<	116	187	1015	<	72	2	14	0.34	2.73	4.18	6.33	3.75	0.14	0.03	0.07
018358	R <	200	13	86	5	<	<	5	<	<	<	40	65	106	<	111	165	1122	<	65	2	10	0.39	2.66	3.41	6.45	3.59	0.11	0.03	0.07
018359	R 0.1	225	14	82	<	<	<	5	<	<	<	41	90	59	<	178	141	869	<	25	2	6	0.45	2.58	1.32	5.51	2.93	0.08	0.03	0.06
018360	R <	126	13	56	6	6	<	4	<	<	<	38	114	7	6	258	76	554	<	15	1	3	0.31	2.21	0.85	4.06	2.49	0.02	0.03	0.04
018361	R <	200	10	70	6	5	<	4	<	<	<	41	107	5	<	232	96	672	<	21	2	3	0.45	2.42	1.37	4.69	2.57	0.01	0.02	0.04
018362	R <	251	9	61	<	9	<	4	<	<	<	38	101	49	<	290	95	611	<	49	3	3	0.49	2.05	1.62	4.07	2.28	0.04	0.03	0.04
018363	R <	211	9	58	<	6	<	4	<	<	<	31	84	21	<	224	74	596	<	21	3	3	0.39	1.87	2.56	3.36	2.26	0.02	0.03	0.04
018364	R 1.6	7578	10	57	<	<	<	3	<	<	<	31	41	5	<	113	77	440	<	14	3	3	0.33	1.61	0.78	4.10	1.71	<	0.04	0.05

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 999 99 99 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
 Method ICP
 ---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate
 International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898

08-Oct-93date

Assay Certificate

Page1

Probe Resources

WO 00349

Sample Au ppb

18354	9
18355	10
18356	64
18357	12
18358	13
18359	35
18360	9
18361	12
18362	8
18363	10
18364	433

Certified by



105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890





CERTIFICATE OF ANALYSIS
iPL 93J1401

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Northern Analytical Laboratories 682 Samples 0= Rock 0= Soil 0= Core 0=RC Ct 678= Pulp 4=Other [056911:45:16:39102093]
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 In : Oct 14, 1993 Shipper: Norm Smith Pulp Storage: -- -- -- -- 12Mon/Dis 12Mon/Dis Rtn=Return Arc=Archive
 PO#: Shipment: ID=C030901

Msg: ICP(AqR)30
Msg: Data Disk

Document Distribution

1 Northern Analytical Laboratories	EN	RT	CC	IN	FX
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Whitehorse	DL	3D	5D	BT	BL
YT Y1A 2Z7	0	0	0	1	0

ATT: Norm Smith

Ph:403/668-4968
Fx:403/668-4890

Analytical Summary

##	Code	Met	Title	Limit	Limit	Units	Description	Element	##
				Low	High				
01	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	01
02	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	02
03	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	03
04	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	04
05	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	05
06	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	06
07	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	07
08	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molydenum	08
09	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm	Thallium	09
10	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	10
11	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	11
12	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	12
13	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	13
14	704P	ICP	Ba	2	9999	ppm	Ba ICP	Barium	14
15	727P	ICP	W	5	999	ppm	W ICP	Tungsten	15
16	709P	ICP	Cr	1	9999	ppm	Cr ICP	Chromium	16
17	729P	ICP	V	2	999	ppm	V ICP	Vanadium	17
18	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	18
19	713P	ICP	La	2	9999	ppm	La ICP	Lanthanum	19
20	723P	ICP	Sr	1	9999	ppm	Sr ICP	Strontium	20
21	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	21
22	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	22
23	726P	ICP	Ti	0.01	1.00	%	Ti ICP	Titanium	23
24	701P	ICP	Al	0.01	9.99	%	Al ICP	Aluminum	24
25	708P	ICP	Ca	0.01	9.99	%	Ca ICP	Calcium	25
26	712P	ICP	Fe	0.01	9.99	%	Fe ICP	Iron	26
27	715P	ICP	Mg	0.01	9.99	%	Mg ICP	Magnesium	27
28	720P	ICP	K	0.01	9.99	%	K ICP	Potassium	28
29	722P	ICP	Na	0.01	5.00	%	Na ICP	Sodium	29
30	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	30



CERTIFICATE OF ANALYSIS

iPL 93J1401

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7808

INTERNATIONAL PLASMA LABORATORY LTD.

Client: Northern Analytical Laboratories
Project: WO 00325 682 Soil Pulp

iPL: 93J1401

Out: Oct 20, 1993
In: Oct 14, 1993

Page 1 of 18

Section 1 of 1
Certified BC Assayer: David Chiu

Table with columns for Sample Name and various elements (Ag, Cu, Pb, Zn, As, Sb, Hg, Mo, Tl, Bi, Cd, Co, Ni, Ba, W, Cr, V, Mn, La, Sr, Zr, Sc, Ti, Al, Ca, Fe, Mg, K, Na, P) with corresponding concentration values in ppm or %.

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01
Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
Method ICP
---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undeined m=Estimate/1000 %=Estimate % Max=No Estimate
International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 93J1401

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7891

Client: Northern Analytical Laboratories
Project: WO 00325 682 Soil Pulp

iPL: 93J1401

Out: Oct 20, 1993
In: Oct 14, 1993

Page 5 of 18

Section 1 of 1
Certified BC Assayer: David Chiu

Table with columns for Sample Name, Ag, Cu, Pb, Zn, As, Sb, Hg, Mo, Tl, Bi, Cd, Co, Ni, Ba, W, Cr, V, Mn, La, Sr, Zr, Sc, Ti, Al, Ca, Fe, Mg, K, Na, P. Rows include various soil samples like L 2+50S 3+00W, L 3+00S 3+00W, etc.

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01
Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
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International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 93J1401

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Northern Analytical Laboratories
Project: WO 00325

iPL: 93J1401

Out: Oct 20, 1993
In: Oct 14, 1993

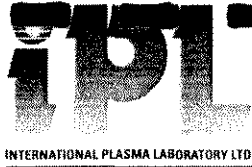
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Section 1 of 1
Certified BC Assayer: David Chiu

Handwritten signature

Table with columns for Sample Name, Ag, Cu, Pb, Zn, As, Sb, Hg, Mo, Tl, Bi, Cd, Co, Ni, Ba, W, Cr, V, Mn, La, Sr, Zr, Sc, Ti, Al, Ca, Fe, Mg, K, Na, P. Rows include various sample IDs like L 1+50S, L 2+00S, etc.

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
Method ICP
---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=PuIp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate
International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



CERTIFICATE OF ANALYSIS

iPL 93J1401

2036 Columbia Street
 Vancouver, B.C.
 Canada V5Y 3E1
 Phone (604) 879-7878
 Fax (604) 879-7898

Client: Northern Analytical Laboratories
 Project: WO 00325 682 Soil Pulp

iPL: 93J1401

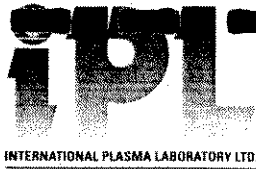
Out: Oct 20, 1993
 In: Oct 14, 1993

Page 7 of 18

Section 1 of 1
 Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 1+50S 5+00W P	<	492	17	136	23	5	<	4	<	<	<	34	86	97	<	91	86	894	5	29	1	5	0.15	2.07	0.82	5.00	1.87	0.10	0.02	0.08
L 2+00S 5+00W P	<	199	18	156	21	<	<	6	<	<	<	30	69	103	<	79	83	823	7	57	2	7	0.14	2.31	1.83	4.67	1.89	0.20	0.03	0.10
L 2+50S 5+00W P	<	892	21	162	21	7	<	5	<	<	0.1	39	90	111	<	103	104	1097	5	36	2	6	0.20	2.37	1.20	5.94	2.29	0.10	0.03	0.10
L 3+00S 5+00W P	<	306	15	122	31	<	<	5	<	<	<	33	79	98	<	104	93	992	6	38	1	6	0.12	2.21	1.03	4.62	1.94	0.12	0.03	0.12
L 3+50S 5+00W P	<	110	17	105	18	5	<	4	<	<	<	25	59	146	<	60	76	874	8	49	2	6	0.13	2.24	1.11	4.48	1.51	0.09	0.03	0.07
L 4+00S 5+00W P	<	78	20	109	16	<	<	5	<	<	<	23	48	140	5	58	75	610	9	44	2	6	0.13	2.17	0.92	4.34	1.40	0.09	0.03	0.04
L 4+50S 5+00W P	<	143	18	98	12	<	<	5	<	<	0.1	17	45	111	<	52	62	704	8	49	1	4	0.07	1.85	1.20	3.84	1.24	0.10	0.03	0.09
L 5+00S 5+00W P	<	74	18	122	10	<	<	5	<	<	0.1	22	50	117	<	54	70	505	8	36	2	5	0.12	2.00	0.78	3.76	1.34	0.10	0.03	0.08
L 5+50S 5+00W P	<	77	16	131	9	<	<	4	<	<	<	21	46	110	<	49	67	797	8	79	4	5	0.14	1.96	2.95	4.05	1.54	0.20	0.03	0.11
L 6+00S 5+00W P	<	67	20	131	12	<	<	5	<	<	0.4	21	47	100	<	50	64	838	8	31	2	5	0.12	1.87	0.64	3.82	1.25	0.11	0.02	0.09
L 6+50S 5+00W P	<	67	16	116	14	<	<	5	<	<	0.1	20	45	110	<	47	62	681	7	36	2	5	0.10	1.82	0.80	3.86	1.21	0.17	0.02	0.07
L 7+00S 5+00W P	<	82	16	112	14	<	<	4	<	<	0.1	18	48	139	<	47	59	590	7	49	1	4	0.08	1.81	1.12	3.76	1.17	0.07	0.03	0.08
L 7+50S 5+00W P	<	109	18	124	21	5	<	4	<	<	<	23	62	145	<	65	82	720	9	43	3	7	0.17	2.43	0.83	4.75	1.58	0.10	0.03	0.07
L 8+00S 5+00W P	<	92	16	115	14	<	<	4	<	<	<	21	55	126	<	61	72	679	9	38	2	6	0.14	2.24	0.73	4.19	1.45	0.10	0.02	0.08
L 8+50S 5+00W P	<	88	12	154	20	<	<	6	<	<	0.5	18	44	144	<	36	48	975	6	63	1	2	0.05	1.48	1.57	3.44	0.95	0.06	0.03	0.13
L 9+00S 5+00W P	<	113	18	128	20	<	<	5	<	2	<	25	54	114	<	48	70	794	7	41	2	6	0.15	2.12	0.93	4.32	1.43	0.09	0.03	0.06
L 0+50N 6+00W P	<	99	15	114	13	<	<	4	<	2	<	24	57	101	<	60	70	725	7	37	1	4	0.12	2.09	0.84	4.44	1.53	0.07	0.03	0.08
L 1+00N 6+00W P	<	295	13	94	8	<	<	3	<	<	0.1	24	70	55	<	68	69	663	5	31	2	4	0.16	1.76	1.13	3.99	1.68	0.08	0.02	0.08
L 1+50N 6+00W P	<	2188	13	149	7	<	<	4	<	<	<	29	75	81	5	96	77	806	4	33	1	5	0.13	2.08	1.06	4.79	1.91	0.07	0.02	0.07
L 2+50N 6+00W P	<	869	13	116	6	<	<	4	<	<	<	23	61	111	7	71	60	686	3	46	1	3	0.09	1.64	1.52	3.65	1.46	0.05	0.02	0.06
L 3+00N 6+00W P	<	670	10	140	11	<	<	3	<	<	0.7	17	68	141	6	48	41	603	5	80	1	2	0.04	1.28	2.50	2.77	0.99	0.05	0.03	0.09
L 3+50N 6+00W P	<	679	13	156	8	<	<	4	<	<	1.4	19	62	134	<	59	55	703	4	62	1	3	0.08	1.44	1.75	3.25	1.11	0.05	0.03	0.07
L 4+50N 6+00W P	<	181	14	109	<	<	<	4	<	<	<	19	40	62	5	69	74	481	3	29	2	3	0.26	1.64	0.82	3.42	1.43	0.04	0.03	0.04
L 5+00N 6+00W P	<	299	25	103	10	<	<	4	<	2	0.1	27	64	271	<	56	64	1061	7	57	1	3	0.05	1.80	1.39	4.00	1.08	0.04	0.03	0.07
L 0+00 6+00W P	<	573	22	184	14	<	<	5	<	<	<	47	156	154	<	169	120	1084	5	45	4	7	0.23	3.21	1.15	6.70	3.49	0.17	0.03	0.08
L 0+50S 6+00W P	<	272	12	126	17	<	<	4	<	<	<	29	72	90	6	80	75	849	4	34	1	4	0.12	1.99	1.03	4.52	1.86	0.14	0.02	0.09
L 1+00S 6+00W P	<	91	13	176	20	<	<	7	<	<	0.3	27	43	91	<	46	51	674	6	33	1	3	0.06	1.43	0.66	4.12	1.06	0.08	0.02	0.08
L 1+50S 6+00W P	<	129	13	127	8	<	<	3	<	<	1.3	23	101	99	<	68	58	649	5	44	1	3	0.10	1.53	1.83	3.51	1.57	0.12	0.03	0.07
L 2+00S 6+00W P	<	282	54	158	15	<	<	5	<	<	0.2	30	75	100	<	87	77	872	6	30	2	6	0.13	2.06	1.25	4.52	2.19	0.14	0.03	0.08
L 2+50S 6+00W P	<	101	16	274	21	<	<	8	<	<	1.3	25	60	73	<	48	50	868	7	33	1	4	0.08	1.56	0.57	4.75	1.23	0.05	0.02	0.10
L 3+00S 6+00W P	<	250	17	144	14	<	<	5	<	<	<	22	51	107	<	71	68	658	4	56	1	4	0.06	1.98	1.67	4.22	1.53	0.08	0.02	0.09
L 3+50S 6+00W P	<	175	15	115	14	<	<	4	<	3	0.1	21	47	116	5	58	62	660	6	47	1	3	0.07	1.83	1.32	3.79	1.33	0.10	0.03	0.06
L 4+00S 6+00W P	<	111	17	155	18	<	<	5	<	3	0.7	18	40	164	<	47	60	655	6	42	<	3	0.05	1.84	0.83	3.92	1.10	0.05	0.03	0.11
L 4+50S 6+00W P	<	103	18	143	13	<	<	4	<	2	<	25	59	105	<	57	70	771	7	37	2	5	0.13	2.30	0.95	4.68	1.62	0.14	0.03	0.06
L 5+00S 6+00W P	<	95	16	125	20	<	<	4	<	<	<	24	68	105	<	64	78	771	8	44	2	6	0.15	2.25	1.01	4.60	1.62	0.14	0.04	0.09
L 5+50S 6+00W P	<	128	19	126	20	5	<	4	<	<	<	24	61	111	<	63	80	840	8	41	2	6	0.15	2.25	0.97	4.66	1.63	0.15	0.03	0.10
L 6+00S 6+00W P	<	97	17	126	16	<	<	4	<	3	<	21	58	128	<	58	68	632	7	46	2	5	0.11	2.12	1.14	4.29	1.47	0.09	0.03	0.08
L 6+50S 6+00W P	<	77	20	135	12	<	<	4	<	<	<	25	56	128	<	62	75	658	8	36	2	6	0.12	2.37	0.70	4.47	1.56	0.09	0.03	0.08
L 7+00S 6+00W P	<	117	17	94	16	<	<	4	<	2	<	21	57	133	<	59	67	644	7	35	2	5	0.13	2.07	0.68	4.06	1.40	0.07	0.03	0.06

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 9.99 5.00 5.00
 Method ICP
 ---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate
 International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



CERTIFICATE OF ANALYSIS

iPL 93J1401

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Client: Northern Analytical Laboratories
 Project: WO 00325 682 Soil Pulp

iPL: 93J1401

Out: Oct 20, 1993
 In: Oct 14, 1993

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Section 1 of 1
 Certified BC Assayer: David Chiu

Sample Name	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
L 7+50S 6+00W P	<	144	16	121	18	<	<	5	<	2	<	29	67	126	<	71	81	1309	7	40	2	6	0.17	2.35	0.87	4.70	1.67	0.10	0.03	0.09
L 8+00S 6+00W P	<	110	16	109	14	<	<	4	<	<	<	23	50	131	<	55	72	622	7	39	2	5	0.16	2.10	0.85	4.23	1.42	0.10	0.03	0.04
L 8+50S 6+00W P	<	155	18	121	16	<	<	4	<	<	<	28	51	160	<	60	79	876	6	64	4	6	0.19	2.19	2.31	4.46	1.70	0.12	0.03	0.09
L 9+00S 6+00W P	<	113	17	161	20	<	<	5	<	<	0.4	27	54	143	<	48	61	896	7	49	1	4	0.09	1.76	1.31	4.13	1.29	0.17	0.03	0.10
L 0+50N 7+00W P	<	136	15	91	12	<	<	4	<	<	<	29	91	112	<	87	84	797	7	39	2	6	0.23	2.05	0.79	4.29	1.75	0.09	0.03	0.05
L 1+00N 7+00W P	<	620	18	122	8	5	<	4	<	3	<	39	73	74	<	113	130	956	3	24	2	6	0.38	2.58	0.97	5.53	2.33	0.05	0.02	0.05
L 1+50N 7+00W P	<	299	14	122	12	<	<	4	<	<	<	25	83	136	<	78	79	701	6	48	2	5	0.20	1.98	1.25	4.09	1.57	0.07	0.03	0.08
L 2+00N 7+00W P	<	692	14	129	8	5	<	4	<	<	<	30	75	120	<	91	87	805	5	50	2	5	0.17	2.14	1.51	4.56	1.85	0.09	0.03	0.09
L 2+50N 7+00W P	<	4818	21	195	18	<	<	4	<	<	1.0	23	96	173	6	76	66	718	5	71	1	4	0.10	1.87	2.16	3.89	1.45	0.09	0.03	0.10
L 3+00N 7+00W P	<	314	14	147	12	5	<	4	<	<	<	26	72	123	<	86	85	764	6	48	1	5	0.14	2.19	1.27	4.64	1.73	0.08	0.03	0.06
L 3+50N 7+00W P	<	136	14	125	16	<	<	4	<	<	<	26	68	111	<	82	88	663	4	39	2	5	0.20	2.39	0.97	4.63	1.79	0.08	0.03	0.05
L 4+00N 7+00W P	<	177	11	102	12	<	<	3	<	2	0.5	15	46	160	<	41	48	476	5	67	1	2	0.07	1.34	1.79	2.79	0.75	0.04	0.03	0.08
L 4+50N 7+00W P	<	410	20	176	9	<	<	5	<	<	<	23	67	203	<	78	69	888	8	66	1	4	0.07	2.03	1.70	4.01	1.47	0.06	0.03	0.11
L 5+00N 7+00W P	<	581	16	146	13	<	<	3	<	<	0.9	21	58	141	6	65	69	889	6	56	1	4	0.13	1.87	1.46	3.47	1.28	0.05	0.03	0.10
L 5+50N 7+00W P	<	295	15	150	22	5	3	5	<	<	0.9	15	48	181	<	63	75	464	6	53	1	3	0.09	1.91	1.27	3.50	1.18	0.06	0.03	0.09
L 6+00N 7+00W P	<	140	18	186	23	6	<	8	<	<	1.3	28	62	187	<	65	78	943	9	42	1	6	0.12	2.23	1.18	5.00	2.14	0.06	0.02	0.05
L 6+50N 7+00W P	<	151	21	267	29	6	<	7	<	<	2.3	29	58	156	<	61	67	1223	8	50	1	4	0.11	1.97	1.02	4.73	1.38	0.08	0.03	0.10
L 7+00N 7+00W P	<	95	18	189	27	10	<	7	<	<	0.5	31	52	69	<	70	72	885	6	34	1	4	0.16	1.89	0.54	4.94	1.46	0.05	0.02	0.08
L 7+50N 7+00W P	<	107	15	217	22	6	<	8	<	<	0.7	22	54	104	<	52	57	728	6	40	1	4	0.11	1.63	0.62	4.45	1.21	0.05	0.03	0.08
L 8+00N 7+00W P	<	229	16	230	29	5	<	9	<	<	0.8	28	65	91	5	62	61	958	7	38	1	4	0.12	1.87	0.67	5.37	1.48	0.05	0.03	0.10
L 8+50N 7+00W P	<	156	19	214	19	5	<	7	<	2	0.6	24	56	58	<	59	60	773	5	33	1	4	0.15	1.67	0.65	4.55	1.36	0.03	0.02	0.08
L 9+00N 7+00W P	<	119	15	208	16	<	<	7	<	<	0.9	24	53	71	<	55	59	796	6	38	1	4	0.13	1.75	0.64	4.57	1.36	0.09	0.02	0.09
L 9+50N 7+00W P	<	112	17	227	18	<	<	8	<	<	0.5	25	56	104	<	61	68	843	6	43	1	5	0.16	1.96	0.60	4.96	1.42	0.05	0.03	0.09
L10+00N 7+00W P	<	133	24	243	32	9	<	8	<	<	0.9	30	65	187	<	72	77	996	7	48	1	5	0.18	2.16	0.78	5.65	1.59	0.07	0.03	0.12
L 0+00 7+00W P	<	131	15	110	14	<	<	3	<	<	<	27	85	144	<	66	90	793	10	70	2	6	0.23	2.12	1.74	4.47	1.73	0.14	0.05	0.07
L 0+50S 7+00W P	<	132	17	106	16	<	<	5	<	<	<	27	82	151	<	66	88	782	10	73	2	6	0.22	2.06	2.02	4.37	1.72	0.14	0.05	0.08
L 1+00S 7+00W P	<	255	20	166	14	<	<	3	<	<	<	35	103	154	<	79	79	1120	8	60	1	4	0.15	2.01	2.35	4.39	2.00	0.19	0.04	0.11
L 1+50S 7+00W P	<	599	16	137	21	<	<	4	<	<	<	36	105	121	<	83	93	963	6	46	1	5	0.17	2.37	1.77	4.81	1.86	0.10	0.03	0.10
L 2+00S 7+00W P	<	191	11	120	14	<	<	4	<	<	0.5	23	78	114	<	64	66	780	5	58	2	4	0.11	1.74	2.12	3.78	1.49	0.15	0.03	0.10
L 2+50S 7+00W P	<	340	16	125	20	<	<	4	<	2	<	34	68	71	<	73	105	805	8	33	2	8	0.15	2.38	0.82	5.08	1.81	0.40	0.03	0.07
L 3+00S 7+00W P	<	302	17	142	19	<	<	5	<	<	<	34	68	128	<	92	104	1216	7	40	1	8	0.16	2.41	0.89	5.15	1.78	0.10	0.03	0.09
L 3+50S 7+00W P	<	191	25	183	12	<	<	5	<	<	0.7	30	72	153	<	72	69	1203	6	63	1	4	0.12	1.85	2.11	3.91	1.54	0.12	0.03	0.12
L 4+00S 7+00W P	<	128	17	154	20	<	<	5	<	<	<	26	58	119	<	60	70	828	7	61	1	4	0.12	1.85	1.60	4.19	1.37	0.16	0.03	0.08
L 4+50S 7+00W P	<	104	22	152	17	<	<	6	<	<	<	24	43	135	<	53	69	759	6	47	1	4	0.11	1.77	0.98	4.06	1.17	0.09	0.03	0.11
L 5+00S 7+00W P	<	124	35	247	16	<	<	6	<	<	0.6	24	56	128	5	63	83	780	8	56	1	6	0.16	2.30	1.30	4.58	1.58	0.14	0.03	0.11
L 5+50S 7+00W P	<	140	24	157	18	<	<	6	<	<	<	23	44	160	<	60	78	768	7	50	1	5	0.11	2.21	1.13	4.37	1.34	0.11	0.03	0.09
L 6+00S 7+00W P	<	125	16	103	16	6	<	4	<	<	<	29	62	96	<	68	93	826	8	48	4	7	0.28	2.36	0.97	4.46	1.68	0.12	0.03	0.07
L 6+50S 7+00W P	<	105	19	117	16	<	<	4	<	<	<	28	109	97	5	84	82	723	6	52	3	5	0.23	1.91	1.73	4.21	1.74	0.14	0.03	0.06
L 7+00S 7+00W P	<	140	26	99	10	<	<	4	<	<	<	25	64	149	<	68	76	639	8	34	2	6	0.16	2.28	0.66	4.30	1.56	0.09	0.03	0.03

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 9.99 5.00 5.00
 Method ICP
 ---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate
 International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 93J1401

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Client: Northern Analytical Laboratories
Project: WO 00325 682 Soil Pulp

iPL: 93J1401

Out: Oct 20, 1993
In: Oct 14, 1993

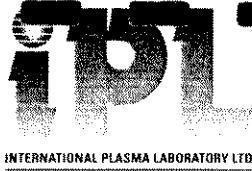
Page 9 of 18

Section 1 of 1
Certified BC Assayer: David Chiu

Handwritten signature

Table with columns for Sample Name and elements (Ag, Cu, Pb, Zn, As, Sb, Hg, Mo, Tl, Bi, Cd, Co, Ni, Ba, W, Cr, V, Mn, La, Sr, Zr, Sc, Ti, Al, Ca, Fe, Mg, K, Na, P) and their respective concentrations in ppm or %.

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01
Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
Method ICP
---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate
International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



CERTIFICATE OF ANALYSIS
iPL 93J1401

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Client: Northern Analytical Laboratories
Project: WO 00325 682 Soil Pulp

iPL: 93J1401

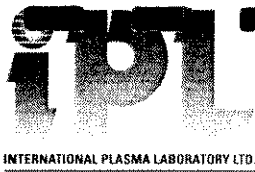
Out: Oct 20, 1993
In: Oct 14, 1993

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Section 1 of 1
Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 8+50N 11+00W P	<	138	14	188	24	6	<	8	<	<	<	28	60	114	<	62	73	940	8	43	1	5	0.15	2.00	0.60	5.19	1.46	0.04	0.03	0.09
L 9+00N 11+00W P	<	92	15	188	27	9	<	8	<	<	<	27	52	88	<	67	73	847	7	41	1	5	0.14	2.08	0.62	5.31	1.52	0.06	0.03	0.09
L 9+50N 11+00W P	<	136	14	201	20	5	<	8	<	<	0.2	27	57	144	<	66	76	801	8	45	1	5	0.14	2.16	0.70	5.31	1.51	0.08	0.03	0.08
L10+00N 11+00W P	<	120	13	209	18	<	<	7	<	<	<	26	59	126	<	59	65	810	8	41	1	5	0.13	1.86	0.64	4.85	1.38	0.05	0.02	0.09
L 0+00 12+00W P	<	157	14	95	9	7	<	3	<	<	<	38	204	108	<	155	97	842	6	43	3	6	0.23	2.37	1.31	4.98	2.90	0.13	0.04	0.07
L 0+50N 12+00W P	<	147	14	100	13	7	<	3	<	<	<	39	240	162	<	146	91	993	7	54	2	5	0.15	2.42	1.75	4.98	2.81	0.14	0.04	0.07
L 1+00N 12+00W P	<	199	15	111	11	6	<	3	<	<	<	35	141	172	<	125	93	892	6	46	2	5	0.14	2.44	1.35	5.03	2.51	0.16	0.04	0.07
L 1+50N 12+00W P	<	553	15	144	8	6	<	4	<	<	<	37	95	140	<	120	110	1356	5	34	1	5	0.21	2.69	1.19	5.84	2.54	0.12	0.04	0.11
L 2+00N 12+00W P	<	464	10	115	<	<	<	4	<	<	<	34	74	86	<	108	95	979	3	27	1	5	0.19	2.45	0.90	5.06	2.21	0.10	0.03	0.09
L 2+50N 12+00W P	<	404	14	119	8	5	<	3	<	<	<	38	94	118	<	128	112	1106	4	31	1	5	0.26	2.74	1.07	5.67	2.57	0.09	0.03	0.09
L 3+00N 12+00W P	<	339	10	105	9	<	<	4	<	<	<	34	82	94	<	112	97	984	3	28	1	4	0.24	2.38	1.02	5.00	2.28	0.10	0.03	0.08
L 3+50N 12+00W P	<	226	10	137	10	<	<	5	<	<	<	31	59	135	<	84	95	891	5	35	1	4	0.18	2.19	0.90	4.88	1.58	0.18	0.03	0.07
L 4+00N 12+00W P	<	246	19	204	14	<	<	5	<	<	0.4	31	65	98	<	89	118	544	9	32	3	7	0.18	3.05	0.70	5.52	1.49	0.08	0.04	0.04
L 4+50N 12+00W P	<	260	15	108	9	<	<	5	<	3	<	36	85	85	<	128	110	1166	4	41	2	6	0.27	2.75	1.18	5.52	2.47	0.09	0.03	0.05
L 5+00N 12+00W P	<	380	21	134	10	7	<	5	<	<	<	40	90	126	<	138	130	1061	6	40	2	6	0.20	3.49	0.94	6.72	2.49	0.09	0.04	0.06
L 5+50N 12+00W P	<	297	13	111	<	5	<	3	<	<	<	37	88	78	<	123	105	1001	4	31	2	5	0.28	2.57	1.07	5.41	2.51	0.09	0.03	0.07
L 6+00N 12+00W P	<	190	11	97	<	<	<	2	<	<	<	29	71	94	<	98	87	777	5	39	2	5	0.21	2.25	1.25	4.39	1.97	0.07	0.03	0.07
L 6+50N 12+00W P	<	189	11	123	13	6	<	3	<	<	<	32	91	150	<	117	92	896	5	55	2	5	0.14	2.62	1.48	5.04	2.30	0.07	0.03	0.09
L 7+00N 12+00W P	<	173	12	92	7	6	<	2	<	<	<	24	65	91	<	80	75	610	5	51	2	4	0.15	1.91	1.40	3.95	1.66	0.06	0.03	0.08
L 7+50N 12+00W P	<	177	13	175	18	5	<	7	<	<	<	18	53	83	<	60	64	527	7	34	1	5	0.12	1.77	0.64	4.26	1.35	0.05	0.02	0.07
L 8+00N 12+00W P	<	133	12	203	22	<	<	9	<	<	<	24	57	89	<	60	61	666	8	39	1	4	0.11	1.75	0.58	4.83	1.34	0.04	0.02	0.09
L 8+50N 12+00W P	<	100	13	185	19	<	<	7	<	<	<	25	50	92	<	58	63	821	7	39	1	4	0.11	1.76	0.69	4.83	1.30	0.05	0.02	0.09
L 9+00N 12+00W P	<	146	16	163	18	5	<	6	<	<	0.1	18	51	76	<	57	59	587	7	39	1	4	0.10	1.69	0.69	4.51	1.27	0.06	0.03	0.09
L 9+50N 12+00W P	<	82	12	141	16	<	<	6	<	<	<	20	43	71	<	53	52	720	6	30	1	3	0.11	1.54	0.44	4.18	1.20	0.04	0.02	0.08
L10+00N 12+00W P	<	96	14	164	23	<	<	6	<	<	<	22	49	69	<	52	57	702	5	34	1	4	0.11	1.62	0.52	4.65	1.21	0.04	0.02	0.06
L 0+50N 13+00W P	<	118	17	79	8	<	<	3	<	<	<	28	136	118	<	106	70	750	6	47	1	4	0.09	1.90	1.50	3.94	2.00	0.10	0.03	0.07
L 1+00N 13+00W P	<	264	20	124	6	<	<	3	<	<	<	29	116	136	<	112	83	883	6	33	1	5	0.13	2.19	0.84	4.60	2.08	0.11	0.03	0.09
L 1+50N 13+00W P	<	470	21	120	8	<	<	3	<	<	<	32	108	129	<	117	91	894	5	26	1	4	0.18	2.38	0.72	4.96	2.34	0.12	0.03	0.09
L 2+00N 13+00W P	<	362	14	93	5	<	<	3	<	3	<	32	75	73	<	100	89	845	2	21	2	4	0.22	2.22	0.80	4.82	2.27	0.11	0.03	0.08
L 2+50N 13+00W P	<	103	15	75	6	<	<	3	<	<	<	21	43	85	<	59	80	536	4	26	1	3	0.15	1.42	0.57	3.71	1.12	0.08	0.03	0.06
L 3+00N 13+00W P	<	546	22	142	5	5	<	4	<	2	<	42	94	123	<	138	111	1159	4	29	2	5	0.18	3.13	0.91	6.50	2.97	0.16	0.03	0.08
L 3+50N 13+00W P	<	274	10	103	6	<	<	4	<	<	<	36	79	84	<	110	102	968	2	25	1	4	0.23	2.51	0.82	5.48	2.44	0.10	0.03	0.07
L 4+00N 13+00W P	<	228	22	117	10	<	<	4	<	<	<	33	73	97	<	104	110	782	4	26	2	4	0.21	2.59	0.66	5.55	1.98	0.09	0.03	0.04
L 4+50N 13+00W P	<	386	21	121	<	<	<	5	<	<	<	39	105	121	<	138	103	960	3	28	2	5	0.15	3.01	0.94	5.92	2.85	0.11	0.03	0.07
L 5+00N 13+00W P	<	203	14	100	6	<	<	4	<	3	<	33	84	111	<	113	96	742	4	28	2	5	0.19	2.52	0.85	4.67	2.25	0.07	0.03	0.06
L 8+50N 13+00W P	<	130	16	209	16	<	<	8	<	<	<	24	58	78	<	63	63	809	6	35	1	4	0.12	1.80	0.55	4.83	1.43	0.04	0.03	0.08
L 9+00N 13+00W P	<	122	18	182	28	5	<	8	<	<	<	25	60	181	<	70	68	874	7	38	1	4	0.10	1.88	0.57	5.28	1.43	0.04	0.02	0.09
L 9+50N 13+00W P	<	107	14	224	19	7	<	7	<	<	1.0	23	57	104	<	65	62	904	7	38	1	4	0.10	1.91	0.62	4.81	1.48	0.04	0.02	0.08
L10+00N 13+00W P	<	59	14	169	17	5	<	6	<	3	<	19	40	48	<	49	54	643	4	28	1	3	0.11	1.52	0.44	4.15	1.21	0.04	0.02	0.08

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 999 9999 9999 999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 9.99 5.00 5.00
 Method ICP
 ---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate
 International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



CERTIFICATE OF ANALYSIS
iPL 93J1401

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Client: Northern Analytical Laboratories
Project: W0 00325 682 Soil Pulp

iPL: 93J1401

Out: Oct 20, 1993
In: Oct 14, 1993

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Section 1 of 1
Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 0+00 13+00W P	<	93	14	84	7	<	<	4	<	2	<	30	139	107	<	110	74	864	4	40	1	4	0.12	1.96	1.26	3.96	2.09	0.07	0.03	0.06
L 5+50S 13+00W P	<	129	20	80	7	5	<	4	<	<	<	31	87	62	<	101	90	587	3	25	2	5	0.28	2.04	0.77	4.16	2.01	0.05	0.03	0.07
L 6+00S 13+00W P	<	114	14	91	<	<	<	3	<	2	<	25	64	77	<	85	89	779	3	33	2	5	0.27	1.99	0.97	3.82	1.72	0.07	0.03	0.05
L 6+50S 13+00W P	<	145	14	85	<	<	<	2	<	2	<	26	71	104	<	92	90	537	5	36	2	6	0.24	2.09	1.05	3.78	1.75	0.07	0.03	0.07
L 7+00S 13+00W P	<	154	16	93	<	<	<	2	<	<	<	25	79	137	<	89	93	700	5	39	2	6	0.24	2.23	1.05	3.81	1.76	0.07	0.03	0.07
L 7+50S 13+00W P	<	274	12	94	9	<	<	3	<	2	<	28	110	127	<	86	88	847	7	42	2	6	0.23	2.14	1.18	3.94	1.68	0.08	0.03	0.08
L 8+00NS13+00W P	<	80	13	207	15	<	<	6	<	<	0.6	23	48	60	<	57	61	751	5	37	1	4	0.13	1.68	0.58	4.31	1.29	0.05	0.03	0.08
L 0+00 14+00W P	<	93	13	77	7	6	<	3	<	<	<	32	121	89	<	127	92	736	4	36	1	5	0.22	2.20	1.08	4.41	2.34	0.09	0.03	0.05
L 0+50N 14+00W P	<	68	14	74	<	<	<	3	<	<	<	30	102	72	<	117	81	756	4	31	2	5	0.19	1.93	0.80	3.94	2.13	0.07	0.03	0.04
L 1+00N 14+00W P	<	106	15	105	7	5	<	3	<	<	<	32	122	110	<	116	76	924	6	38	1	4	0.10	2.04	1.04	4.02	2.09	0.09	0.04	0.06
L 1+50N 14+00W P	<	122	10	86	<	<	<	3	<	<	<	28	123	117	<	103	71	809	5	43	2	4	0.13	1.88	1.32	3.58	1.94	0.08	0.03	0.07
L 2+00N 14+00W P	<	542	15	95	5	<	<	4	<	<	<	40	78	136	<	109	111	1120	3	27	2	6	0.27	2.42	0.86	5.52	2.18	0.14	0.03	0.06
L 2+50N 14+00W P	<	116	11	112	9	<	<	3	<	<	<	23	59	80	<	79	90	580	5	31	2	4	0.20	1.83	0.55	4.27	1.45	0.09	0.03	0.06
L 3+00N 14+00W P	<	111	14	116	13	<	<	4	<	<	<	27	54	127	<	82	95	680	5	38	1	4	0.20	2.04	0.75	4.72	1.42	0.11	0.03	0.07
L 3+50N 14+00W P	<	150	14	130	6	<	<	4	<	<	<	27	55	138	<	69	83	851	6	47	1	4	0.12	2.13	0.90	4.48	1.35	0.08	0.04	0.12
L 4+00N 14+00W P	<	337	18	114	7	<	<	5	<	<	<	43	94	118	<	141	115	1167	3	36	1	6	0.20	3.13	1.07	5.90	2.82	0.10	0.03	0.07
L 4+50N 14+00W P	<	662	16	128	5	<	<	5	<	<	<	47	113	187	<	163	132	1261	4	37	2	7	0.20	3.76	1.06	7.01	3.16	0.11	0.03	0.07
L 5+00N 14+00W P	<	187	10	86	<	<	<	2	<	<	<	28	66	101	<	99	94	671	4	36	2	5	0.23	2.18	1.07	4.25	1.96	0.07	0.03	0.05
L 5+50N 14+00W P	<	127	10	76	6	<	<	3	<	2	<	27	81	51	<	93	87	595	3	25	2	5	0.27	1.92	0.78	4.04	1.89	0.06	0.02	0.08
L 6+00N 14+00W P	<	186	11	89	6	<	<	3	<	<	0.1	21	83	123	<	74	64	586	3	43	1	3	0.09	1.69	1.58	3.39	1.49	0.06	0.03	0.08
L 6+50N 14+00W P	<	265	7	72	<	<	<	2	<	<	0.1	14	80	132	<	51	45	401	6	55	2	3	0.07	1.30	2.29	2.55	1.10	0.05	0.03	0.08
L 7+00N 14+00W P	<	151	12	80	<	<	<	3	<	<	<	22	74	149	<	86	77	541	3	38	1	4	0.17	1.93	1.34	3.60	1.72	0.06	0.03	0.08
L 7+50N 14+00W P	<	164	10	96	5	<	<	3	<	<	0.1	24	91	110	<	88	77	638	4	48	2	4	0.20	1.76	1.78	3.56	1.68	0.07	0.03	0.07
L 8+00N 14+00W P	<	220	15	105	<	<	<	3	<	<	<	29	110	174	<	95	84	762	5	48	1	5	0.16	2.19	1.45	4.15	1.81	0.07	0.04	0.09
L 8+50N 14+00W P	<	96	16	158	17	<	<	7	<	<	<	20	53	49	<	67	66	682	5	35	1	5	0.16	1.87	0.65	4.65	1.49	0.04	0.03	0.07
L 9+00N 14+00W P	<	90	10	167	13	<	<	6	<	<	<	18	47	116	<	60	65	600	5	40	1	4	0.14	1.89	0.66	4.27	1.40	0.03	0.03	0.08
L 9+50N 14+00W P	<	91	13	150	13	5	<	6	<	<	<	20	52	128	<	62	58	753	5	40	1	4	0.11	1.79	0.70	4.20	1.34	0.04	0.02	0.08
L 10+00N 14+00W P	<	55	11	168	15	<	<	6	<	<	<	16	40	46	<	51	51	561	3	29	1	3	0.12	1.58	0.45	4.04	1.26	0.03	0.02	0.07
L 0+00 15+00W P	<	74	14	101	<	<	<	3	<	<	<	28	89	90	<	113	85	537	4	27	1	5	0.14	2.10	0.68	4.09	2.09	0.07	0.03	0.07
L 0+50N 15+00W P	<	138	15	91	<	<	<	3	<	<	<	36	185	91	<	145	91	731	5	28	2	6	0.17	2.34	0.79	4.61	2.68	0.13	0.03	0.07
L 1+00N 15+00W P	<	92	18	75	<	<	<	2	<	<	<	31	137	113	<	111	71	929	5	40	1	4	0.11	1.87	1.22	3.71	2.03	0.08	0.03	0.06
L 1+50N 15+00W P	<	117	13	85	<	<	<	2	<	<	<	29	128	123	<	109	74	708	5	37	1	5	0.12	1.99	1.06	3.74	2.03	0.08	0.03	0.07
L 2+00N 15+00W P	<	129	15	90	<	<	<	3	<	<	<	27	125	127	<	102	75	719	5	41	1	4	0.13	1.96	1.29	3.67	1.95	0.07	0.03	0.07
L 2+50N 15+00W P	<	157	13	96	5	<	<	3	<	<	<	31	133	164	<	115	79	877	6	45	2	5	0.12	2.24	1.39	3.93	2.16	0.08	0.03	0.08
L 3+00N 15+00W P	<	147	17	105	<	<	<	4	<	<	<	33	129	171	<	124	89	921	6	48	1	6	0.14	2.46	1.37	4.27	2.33	0.08	0.04	0.09
L 3+50N 15+00W P	<	142	16	96	<	<	<	3	<	<	<	30	117	158	<	115	83	850	5	43	1	5	0.14	2.26	1.22	3.91	2.16	0.07	0.03	0.08
L 4+00N 15+00W P	<	161	14	104	<	<	<	3	<	<	<	33	105	114	<	114	88	853	4	34	1	5	0.18	2.30	1.09	4.34	2.25	0.08	0.03	0.07
L 4+50N 15+00W P	<	169	11	101	5	<	<	3	<	3	<	29	93	92	<	98	83	803	3	33	1	4	0.18	2.01	1.15	4.08	1.96	0.08	0.03	0.07
L 5+00N 15+00W P	<	201	13	115	<	<	<	3	<	<	0.1	34	119	173	<	117	79	1359	3	39	1	5	0.10	2.32	1.16	4.00	2.08	0.05	0.03	0.08

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
 Method ICP
 ---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate
 International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 93J1401

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Northern Analytical Laboratories
Project: WO 00325 682 Soil Pulp

iPL: 93J1401

Out: Oct 20, 1993
In: Oct 14, 1993

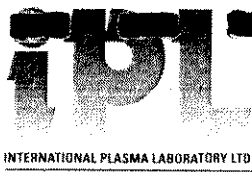
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Section 1 of 1
Certified BC Assayer: David Chiu

Handwritten signature

Table with columns: Sample Name, Ag, Cu, Pb, Zn, As, Sb, Hg, Mo, Tl, Bi, Cd, Co, Ni, Ba, W, Cr, V, Mn, La, Sr, Zr, Sc, Ti, Al, Ca, Fe, Mg, K, Na, P. Rows contain various sample identifiers and their corresponding element concentrations in ppm and %.

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01
Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
Method ICP
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Section 1 of 1
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Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 1+00S 1+00E P	<	67	16	117	15	6	<	5	<	<	<	16	37	101	<	56	74	495	5	37	2	4	0.09	1.98	0.88	4.37	1.54	0.07	0.02	0.07
L 1+50S 1+00E P	<	80	11	106	11	6	<	4	<	<	<	23	42	137	<	61	78	663	5	37	2	5	0.13	2.30	0.83	4.33	1.66	0.06	0.02	0.06
L 2+00S 1+00E P	<	100	21	96	12	5	<	4	<	<	<	23	49	134	<	56	73	796	7	30	2	6	0.15	2.05	0.62	4.24	1.49	0.06	0.04	0.03
L 2+50S 1+00E P	<	90	15	93	15	6	<	3	<	3	<	24	47	108	<	56	72	809	7	42	2	5	0.13	1.87	1.18	4.22	1.36	0.08	0.02	0.05
L 3+00S 1+00E P	<	173	20	107	13	6	<	4	<	2	<	22	57	149	<	59	70	795	10	40	2	5	0.10	1.90	1.32	4.14	1.61	0.09	0.04	0.06
L 3+50S 1+00E P	<	193	17	97	14	<	<	4	<	<	0.2	20	50	145	<	55	63	647	8	52	1	3	0.08	1.74	1.73	3.64	1.34	0.07	0.03	0.08
L 4+00S 1+00E P	<	164	15	118	16	8	<	4	<	<	<	22	52	168	<	69	84	610	8	45	2	6	0.12	2.38	1.00	4.52	1.75	0.08	0.03	0.06
L 4+50S 1+00E P	<	143	28	103	16	7	<	5	<	<	0.4	17	47	159	<	52	59	591	6	60	1	3	0.07	1.61	1.69	3.59	1.20	0.07	0.03	0.08
L 5+00S 1+00E P	0.5	155	399	99	26	5	<	4	<	<	<	18	46	178	<	57	76	608	7	48	1	4	0.07	1.93	1.20	4.15	1.61	0.07	0.02	0.08
L 5+50S 1+00E P	<	212	74	114	47	<	<	4	<	<	<	31	57	148	<	79	103	922	7	35	1	6	0.15	2.43	0.89	5.30	2.35	0.10	0.02	0.07
L 6+00S 1+00E P	<	110	42	105	14	6	<	3	<	<	0.2	18	42	180	<	53	64	572	6	47	1	3	0.05	1.76	1.11	3.79	1.25	0.05	0.03	0.08
L 6+50S 1+00E P	<	92	54	104	14	5	<	5	<	<	0.5	12	35	127	<	38	45	403	5	51	1	2	0.04	1.17	1.53	2.98	0.87	0.05	0.03	0.09
L 7+00S 1+00E P	<	116	40	149	17	5	<	6	<	2	<	25	51	213	<	53	69	879	9	47	1	3	0.05	1.86	0.89	4.30	1.29	0.07	0.03	0.10
L 7+50S 1+00E P	<	118	31	162	20	5	<	5	<	<	0.4	27	55	205	<	57	70	1059	9	45	1	4	0.05	1.91	0.90	4.46	1.46	0.09	0.03	0.10
L 8+00S 1+00E P	<	134	34	180	166	6	<	7	<	<	<	26	60	150	<	50	75	960	13	44	1	7	0.06	2.05	0.84	5.22	1.64	0.08	0.03	0.14
L 8+50S 1+00E P	0.8	173	24	584	32	7	<	10	<	<	4.8	30	96	157	<	33	50	1225	17	32	2	7	0.05	1.58	0.43	4.75	1.00	0.05	0.02	0.08
L 9+00S 1+00E P	0.2	117	25	467	46	7	<	12	<	<	6.2	26	75	416	<	22	52	1041	15	79	1	5	0.01	0.98	0.30	3.76	0.38	0.12	0.03	0.09
L 9+50S 1+00E P	1.0	153	21	284	28	8	<	13	<	<	0.6	27	73	267	<	56	60	812	13	47	1	5	0.03	1.62	0.53	5.01	1.12	0.07	0.03	0.14
L10+00S 1+00E P	1.6	106	20	195	22	6	<	9	<	<	1.6	25	56	234	<	50	54	824	10	44	1	4	0.04	1.48	0.72	4.19	0.93	0.06	0.03	0.13

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

Max Reported* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00

Method ICP

--No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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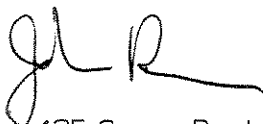
Probe Resources

WO 00325

Sample Au ppb

L 5+00E	5+00N	8
L 5+00E	4+75N	9
L 5+00E	4+00N	9
L 5+00E	3+50N	6
L 5+00E	3+00N	<5
L 5+00E	2+50N	6
L 5+00E	2+00N	<5
L 5+00E	1+50N	<5
L 5+00E	1+00N	6
L 5+00E	0+50N	9
L 5+00E	0+00S	8
L 5+00E	0+50S	8
L 5+00E	1+00S	6
L 5+00E	1+50S	6
L 5+00E	2+00S	<5
L 5+00E	2+50S	6
L 5+00E	3+00S	11
L 5+00E	3+50S	10
L 5+00E	4+00S	14
L 5+00E	4+50S	11
L 5+00E	5+00S	6
L 5+00E	5+50S	13
L 5+00E	6+00S	6
L 5+00E	6+50S	7
L 5+00E	7+00S	14
L 5+00E	7+50S	14
L 5+00E	8+00S	17
L 5+00E	8+50S	25
L 5+00E	9+00S	7
L 5+00E	9+50S	6
L 5+00E	10+00S	19
L 4+00E	5+00N	14
L 4+00E	4+50N	5
L 4+00E	4+00N	6
L 4+00E	3+50N	15
L 4+00E	3+00N	11
L 4+00E	2+50N	6
L 4+00E	2+00N	10
L 4+00E	1+50N	10
L 4+00E	1+00N	9
L 4+00E	0+50N	22
L 4+00E	0+00S	14

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Probe Resources

WO 00325

Sample Au ppb

L 4+00E	0+50S	10
L 4+00E	1+00S	9
L 4+00E	1+50S	8
L 4+00E	2+00S	23
L 4+00E	2+50S	10
L 4+00E	3+00S	10
L 4+00E	3+50S	8
L 4+00E	4+00S	9
L 4+00E	4+50S	7
L 4+00E	5+00S	14
L 4+00E	5+50S	44
L 4+00E	6+00S	17
L 4+00E	6+50S	12
L 4+00E	7+00S	12
L 4+00E	7+50S	12
L 4+00E	8+00S	26
L 4+00E	8+50S	16
L 4+00E	9+00S	5
L 4+00E	9+50S	44
L 4+00E	10+00S	11
L 3+00E	5+00N	10
L 3+00E	4+50N	9
L 3+00E	4+00N	10
L 3+00E	3+50N	10
L 3+00E	3+00N	9
L 3+00E	2+50N	8
L 3+00E	2+00N	8
L 3+00E	1+50N	11
L 3+00E	1+00N	11
L 3+00E	0+50N	8
L 3+00E	0+00S	5
L 3+00E	0+50S	13
L 3+00E	1+00S	10
L 3+00E	1+50S	15
L 3+00E	2+00S	12
L 3+00E	2+50S	10
L 3+00E	3+00S	8
L 3+00E	3+50S	9
L 3+00E	4+00S	9
L 3+00E	4+50S	10
L 3+00E	5+00S	8
L 3+00E	5+50S	6

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Probe Resources

WO 00325

Sample Au ppb

L 3+00E	6+00S	15
L 3+00E	6+50S	24
L 3+00E	7+00S	8
L 3+00E	7+50S	6
L 3+00E	8+00S	7
L 3+00E	8+50S	11
L 3+00E	9+00S	12
L 3+00E	9+50S	11
L 3+00E	10+00S	7
L 2+00E	5+00N	9
L 2+00E	4+50N	17
L 2+00E	4+00N	7
L 2+00E	3+50N	14
L 2+00E	3+00N	9
L 2+00E	2+50N	8
L 2+00E	2+00N	11
L 2+00E	1+50N	10
L 2+00E	1+00N	9
L 2+00E	0+50N	8
L 2+00E	0+00S	12
L 2+00E	0+50S	8
L 2+00E	1+00S	15
L 2+00E	1+50S	10
L 2+00E	2+00S	7
L 2+00E	2+50S	10
L 2+00E	3+00S	12
L 2+00E	3+50S	8
L 2+00E	4+00S	7
L 2+00E	4+50S	5
L 2+00E	5+00S	16
L 2+00E	5+50S	12
L 2+00E	6+00S	36
L 2+00E	6+50S	17
L 2+00E	7+00S	14
L 2+00E	7+50S	30
L 2+00E	8+00S	15
L 2+00E	8+50S	15
L 2+00E	9+00S	31
L 2+00E	9+50S	14
L 2+00E	10+00S	6
L 1+00E	5+00N	12
L 1+00E	4+50N	13

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Probe Resources

WO 00325

Sample Au ppb

L 1+00E	4+00N	9
L 1+00E	3+50N	10
L 1+00E	3+00N	7
L 1+00E	2+50N	10
L 1+00E	2+00N	14
L 1+00E	1+50N	12
L 1+00E	1+00N	58
L 1+00E	0+50N	17
L 1+00E	0+00	8
L 1+00E	0+50S	10
L 1+00E	1+00S	10
L 1+00E	1+50S	13
L 1+00E	2+00S	11
L 1+00E	2+50S	7
L 1+00E	3+00S	26
L 1+00E	3+50S	16
L 1+00E	4+00S	9
L 1+00E	4+50S	11
L 1+00E	5+00S	10
L 1+00E	5+50S	10
L 1+00E	6+00S	17
L 1+00E	6+50S	9
L 1+00E	7+00S	14
L 1+00E	7+50S	98
L 1+00E	8+00S	77
L 1+00E	8+50S	11
L 1+00E	9+00S	20
L 1+00E	9+50S	11
L 1+00E	10+00S	33
L 0+00E	10+00N	14
L 0+00E	9+50N	14
L 0+00E	9+00N	13
L 0+00E	8+50N	19
L 0+00E	8+00N	12
L 0+00E	7+50N	19
L 0+00E	7+00N	7
L 0+00E	6+50N	73
L 0+00E	6+00N	10
L 0+00E	5+50N	9
L 0+00E	5+00N	15
L 0+00E	4+75N	13
L 0+00E	4+50N	382

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Probe Resources

WO 00325

Sample Au ppb

L 0+00E	4+25N	18
L 0+00E	4+00N	10
L 0+00E	3+75N	14
L 0+00E	3+50N	10
L 0+00E	3+00N	10
L 0+00E	2+75N	11
L 0+00E	2+50N	11
L 0+00E	2+25N	9
L 0+00E	2+00N	6
L 0+00E	1+75N	12
L 0+00E	1+50N	6
L 0+00E	1+25N	5
L 0+00E	1+00N	8
L 0+00E	0+75N	14
L 0+00E	0+50N	7
L 0+00E	0+25N	11
L 0+00E	0+00	10
L 0+00E	0+50S	8
L 0+00E	1+00S	<5
L 0+00E	1+50S	7
L 0+00E	2+00S	13
L 0+00E	2+50S	13
L 0+00E	3+00S	14
L 0+00E	3+50S	58
L 0+00E	4+00S	174
L 0+00E	4+50S	86
L 0+00E	5+00S	12
L 0+00E	5+50S	13
L 0+00E	6+00S	10
L 0+00E	6+50S	7
L 0+00E	7+00S	15
L 0+00E	7+50S	11
L 0+00E	8+00S	10
L 0+00E	8+50S	15
L 0+00E	9+00S	17
L 0+00E	9+50S	19
L 0+00E	10+00S	10
L 1+00W	10+00N	7
L 1+00W	9+50N	20
L 1+00W	9+00N	14
L 1+00W	8+50N	9
L 1+00W	8+00N	10

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Probe Resources

WO 00325

Sample	Au ppb
L 1+00W 7+50N	7
L 1+00W 7+00N	6
L 1+00W 6+50N	15
L 1+00W 6+00N	15
L 1+00W 5+50N	137
L 1+00W 5+00N	9
L 1+00W 4+50N	9
L 1+00W 4+00N	6
L 1+00W 3+50N	7
L 1+00W 3+00N	<5
L 1+00W 2+50N	14
L 1+00W 2+00N	7
L 1+00W 1+50N	10
L 1+00W 1+00N	10
L 1+00W 0+50N	43
L 1+00W 0+00	15
L 1+00W 0+50S	9
L 1+00W 1+00S	8
L 1+00W 1+50S	11
L 1+00W 2+00S	13
L 1+00W 2+50S	12
L 1+00W 3+00S	11
L 1+00W 3+50S	13
L 1+00W 4+00S	11
L 1+00W 4+50S	18
L 1+00W 5+00S	13
L 1+00W 5+50S	9
L 1+00W 6+00S	8
L 1+00W 6+50S	11
L 1+00W 7+00S	15
L 1+00W 7+50S	7
L 1+00W 8+00S	9
L 1+00W 8+50S	11
L 1+00W 9+00S	12
L 1+00W 9+50S	7
L 1+00W 10+00S	14
L 2+00W 10+00N	9
L 2+00W 9+50N	11
L 2+00W 9+00N	13
L 2+00W 8+50N	13
L 2+00W 8+00N	18
L 2+00W 7+50N	8

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Probe Resources

WO 00325

Sample	Au ppb
L 2+00W 7+00N	11
L 2+00W 6+50N	7
L 2+00W 6+00N	7
L 2+00W 5+50N	7
L 2+00W 5+00N	11
L 2+00W 4+50N	15
L 2+00W 4+00N	9
L 2+00W 3+50N	8
L 2+00W 3+00N	5
L 2+00W 2+50N	<5
L 2+00W 2+00N	7
L 2+00W 1+50N	11
L 2+00W 1+00N	8
L 2+00W 0+50N	25
L 2+00W 0+00	8
L 2+00W 0+50S	11
L 2+00W 1+00S	11
L 2+00W 1+50S	18
L 2+00W 2+00S	10
L 2+00W 2+50S	15
L 2+00W 3+00S	11
L 2+00W 3+50S	10
L 2+00W 4+00S	13
L 2+00W 4+50S	11
L 2+00W 5+00S	13
L 2+00W 5+50S	14
L 2+00W 6+00S	15
L 2+00W 6+50S	11
L 2+00W 7+00S	16
L 2+00W 7+50S	40
L 2+00W 8+00S	496
L 2+00W 8+50S	19
L 2+00W 9+00S	19
L 2+00W 9+50S	30
L 2+00W 10+00S	12
L 3+00W 10+00N	15
L 3+00W 9+50N	10
L 3+00W 9+00N	11
L 3+00W 8+50N	28
L 3+00W 8+00N	19
L 3+00W 7+50N	7
L 3+00W 7+00N	19

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Probe Resources

WO 00325

Sample Au ppb

L 3+00W 6+50N	12
L 3+00W 6+00N	34
L 3+00W 5+50N	8
L 3+00W 5+00N	12
L 3+00W 4+50N	241
L 3+00W 4+00N	10
L 3+00W 3+50N	6
L 3+00W 3+00N	8
L 3+00W 2+50N	7
L 3+00W 2+00N	13
L 3+00W 1+50N	9
L 3+00W 1+00N	10
L 3+00W 0+50N	6
L 3+00W 0+00	21
L 3+00W 0+50S	17
L 3+00W 1+00S	10
L 3+00W 1+50S	8
L 3+00W 2+00S	11
L 3+00W 2+50S	11
L 3+00W 3+00S	16
L 3+00W 3+50S	13
L 3+00W 4+00S	11
L 3+00W 4+50S	13
L 3+00W 5+00S	11
L 3+00W 5+50S	8
L 3+00W 6+00S	11
L 3+00W 6+50S	7
L 3+00W 7+00S	7
L 3+00W 7+50S	7
L 3+00W 8+00S	9
L 3+00W 8+50S	8
L 3+00W 9+00S	14
L 3+00W 9+50S	9
L 3+00W 10+00S	7
L 4+00W 10+00N	9
L 4+00W 9+50N	8
L 4+00W 9+00N	9
L 4+00W 8+50N	11
L 4+00W 8+00N	17
L 4+00W 7+50N	54
L 4+00W 7+00N	50
L 4+00W 6+50N	10

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Probe Resources

WO 00325

Sample Au ppb

L 4+00W 6+00N	14
L 4+00W 5+50N	11
L 4+00W 5+00N	10
L 4+00W 4+50N	14
L 4+00W 4+00N	24
L 4+00W 3+50N	9
L 4+00W 3+00N	10
L 4+00W 2+50N	17
L 4+00W 2+00N	10
L 4+00W 1+50N	297
L 4+00W 1+00N	18
L 4+00W 0+50N	15
L 4+00W 0+00N	33
L 4+00W 0+50S	9
L 4+00W 1+00S	167
L 4+00W 1+50S	16
L 4+00W 2+00S	11
L 4+00W 2+50S	11
L 4+00W 3+00S	10
L 4+00W 3+50S	11
L 4+00W 4+00S	10
L 4+00W 4+50S	10
L 4+00W 5+00S	7
L 4+00W 5+50S	7
L 4+00W 6+00S	23
L 4+00W 6+50S	22
L 4+00W 7+00S	59
L 4+00W 7+50S	36
L 4+00W 8+00S	16
L 4+00W 8+50S	46
L 4+00W 9+00S	39
L 4+00W 9+50S	24
L 5+00W 10+00N	13
L 5+00W 9+50N	28
L 5+00W 9+00N	17
L 5+00W 8+50N	22
L 5+00W 8+00N	13
L 5+00W 7+50N	39
L 5+00W 7+00N	14
L 5+00W 6+50N	13
L 5+00W 6+00N	15
L 5+00W 5+50N	12

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Probe Resources

WO 00325

Sample	Au ppb
L 5+00W 5+00N	21
L 5+00W 4+50N	14
L 5+00W 4+00N	16
L 5+00W 3+50N	100
L 5+00W 3+00N	16
L 5+00W 2+50N	49
L 5+00W 2+00N	49
L 5+00W 1+50N	51
L 5+00W 1+00N	11
L 5+00W 0+50N	531
L 5+00W 0+00	25
L 5+00W 0+50S	11
L 5+00W 1+00S	34
L 5+00W 1+50S	13
L 5+00W 2+00S	106
L 5+00W 2+50S	<5
L 5+00W 3+00S	19
L 5+00W 3+50S	8
L 5+00W 4+00S	6
L 5+00W 4+50S	14
L 5+00W 5+00S	9
L 5+00W 5+50S	7
L 5+00W 6+00S	8
L 5+00W 6+50S	7
L 5+00W 7+00S	8
L 5+00W 7+50S	12
L 5+00W 8+00S	9
L 5+00W 8+50S	10
L 5+00W 9+00S	12
L 5+50W 10+00N	9
L 5+50W 9+50N	7
L 5+50W 9+00N	8
L 5+50W 8+50N	6
L 5+50W 8+00N	5
L 5+50W 7+50N	8
L 5+50W 7+00N	6
L 5+50W 6+50N	16
L 5+50W 6+00N	23
L 5+50W 5+50N	6
L 6+00W 5+00N	22
L 6+00W 4+50N	7
L 6+00W 3+50N	19

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Probe Resources

WO 00325

Sample Au ppb

L 6+00W 3+00N	9
L 6+00W 2+50N	9
L 6+00W 1+50N	14
L 6+00W 1+00N	9
L 6+00W 0+50N	8
L 6+00W 0+00	7
L 6+00W 0+50S	8
L 6+00W 1+00S	14
L 6+00W 1+50S	7
L 6+00W 2+00S	9
L 6+00W 2+50S	18
L 6+00W 3+00S	12
L 6+00W 3+50S	10
L 6+00W 4+00S	6
L 6+00W 4+50S	20
L 6+00W 5+00S	8
L 6+00W 5+50S	<5
L 6+00W 6+00S	7
L 6+00W 6+50S	6
L 6+00W 7+00S	17
L 6+00W 7+50S	10
L 6+00W 8+00S	9
L 6+00W 8+50S	6
L 6+00W 9+00S	9
L 7+00W 10+00N	15
L 7+00W 9+50N	9
L 7+00W 9+00N	9
L 7+00W 8+50N	142
L 7+00W 8+00N	8
L 7+00W 7+50N	14
L 7+00W 7+00N	127
L 7+00W 6+50N	6
L 7+00W 6+00N	7
L 7+00W 5+50N	11
L 7+00W 5+00N	11
L 7+00W 4+50N	10
L 7+00W 4+00N	9
L 7+00W 3+50N	174
L 7+00W 3+00N	15
L 7+00W 2+50N	237
L 7+00W 2+00N	10
L 7+00W 1+50N	14

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Probe Resources

WO 00325

Sample	Au ppb
L 7+00W 1+00N	14
L 7+00W 0+50N	14
L 7+00W 0+00	9
L 7+00W 0+50S	16
L 7+00W 1+00S	142
L 7+00W 1+50S	17
L 7+00W 2+00S	10
L 7+00W 2+50S	41
L 7+00W 3+00S	70
L 7+00W 3+50S	8
L 7+00W 4+00S	76
L 7+00W 4+50S	403
L 7+00W 5+00S	116
L 7+00W 5+50S	21
L 7+00W 6+00S	793
L 7+00W 6+50S	7
L 7+00W 7+00S	9
L 7+00W 7+50S	7
L 7+00W 8+00S	7
L 7+00W 8+50S	6
L 8+00W 10+00N	11
L 8+00W 9+50N	9
L 8+00W 9+00N	7
L 8+00W 8+50N	9
L 8+00W 8+00N	10
L 8+00W 7+00N	10
L 8+00W 6+50N	8
L 8+00W 6+00N	10
L 8+00W 5+50N	61
L 8+00W 5+00N	7
L 8+00W 4+50N	7
L 8+00W 4+00N	9
L 8+00W 3+50N	19
L 8+00W 3+00N	11
L 8+00W 2+50N	26
L 8+00W 2+00N	16
L 8+00W 1+50N	1340
L 8+00W 1+00N	14
L 8+00W 0+50N	12
L 8+00W 0+00S	7
L 8+00W 0+50S	9
L 8+00W 1+00S	11

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Probe Resources

WO 00325

Sample Au ppb

L 8+00W	1+50S	10
L 8+00W	2+00S	11
L 8+00W	2+50S	9
L 8+00W	3+00S	11
L 8+00W	3+50S	11
L 8+00W	4+00S	6
L 8+00W	4+50S	12
L 8+00W	5+00S	7
L 8+00W	5+50S	9
L 8+00W	6+50S	11
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L 8+00W	7+50S	8
L 8+00W	8+00S	9
L 8+00W	8+50S	10
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L 9+00W	10+00N	11
L 9+00W	9+50N	10
L 9+00W	9+00N	11
L 9+00W	8+50N	16
L 9+00W	8+00N	32
L 9+00W	7+50N	7
L 9+00W	7+00N	9
L 9+00W	6+50N	11
L 9+00W	6+00N	7
L 9+00W	5+50N	5
L 9+00W	5+00N	10
L 9+00W	4+50N	9
L 9+00W	4+00N	64
L 9+00W	3+50N	5
L 9+00W	3+00N	10
L 9+00W	2+50N	19
L 9+00W	2+00N	12
L 9+00W	1+50N	37
L 9+00W	1+00N	7
L 9+00W	0+50N	10
L 9+00W	0+00	<5
L 9+00W	0+50S	8
L 9+00W	1+00S	9
L 9+00W	1+50S	8
L 9+00W	2+00S	8
L 9+00W	2+50S	9
L 9+00W	3+00S	6

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Probe Resources

WO 00325

Sample Au ppb

L 9+00W 3+50S	8
L 9+00W 4+00S	11
L 9+00W 4+50S	7
L 9+00W 5+00S	6
L 9+00W 5+50S	10
L 9+00W 6+00S	11
L 9+00W 6+50S	136
L 9+00W 7+00S	9
L 9+00W 7+50S	10
L 9+00W 8+00S	77
L 9+00W 8+50S	24
L 9+00W 9+00S	10
L 10+00W 10+00N	16
L 10+00W 9+50N	19
L 10+00W 9+00N	208
L 10+00W 8+50N	9
L 10+00W 8+00N	16
L 10+00W 7+50N	6
L 10+00W 7+00N	>6667
L 10+00W 6+50N	46
L 10+00W 6+00N	8
L 10+00W 5+50N	5
L 10+00W 5+00N	6
L 10+00W 4+50N	11
L 10+00W 4+00N	37
L 10+00W 3+50N	6
L 10+00W 3+00N	7
L 10+00W 2+50N	17
L 10+00W 2+00N	7
L 10+00W 1+50N	8
L 10+00W 1+00N	14
L 10+00W 0+50N	9
L 10+00W 0+00	8
L 11+00W 10+00N	9
L 11+00W 9+50N	6
L 11+00W 9+00N	11
L 11+00W 8+50N	7
L 11+00W 8+00N	7
L 11+00W 7+50N	17
L 11+00W 7+00N	8
L 11+00W 6+50N	13
L 11+00W 6+00N	13

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Probe Resources

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Sample Au ppb

L 11+00W 5+50N	8
L 11+00W 5+00N	7
L 11+00W 4+50N	6
L 11+00W 4+00N	6
L 11+00W 3+50N	<5
L 11+00W 3+00N	5
L 11+00W 2+50N	9
L 11+00W 2+00N	9
L 11+00W 1+50N	299
L 11+00W 1+00N	8
L 11+00W 0+50N	12
L 11+00W 0+00	7
L 12+00W 10+00N	6
L 12+00W 9+50N	9
L 12+00W 9+00N	8
L 12+00W 8+50N	11
L 12+00W 8+00N	9
L 12+00W 7+50N	10
L 12+00W 7+00N	11
L 12+00W 6+50N	6
L 12+00W 6+00N	18
L 12+00W 5+50N	6
L 12+00W 5+00N	5
L 12+00W 4+50N	9
L 12+00W 4+00N	6
L 12+00W 3+50N	7
L 12+00W 3+00N	5
L 12+00W 2+50N	8
L 12+00W 2+00N	8
L 12+00W 1+50N	11
L 12+00W 1+00N	10
L 12+00W 0+50N	7
L 12+00W 0+00	9
L 13+00W 10+00N	9
L 13+00W 9+50N	20
L 13+00W 9+00N	16
L 13+00W 8+50N	7
L 13+00W 8+00N	6
L 13+00W 7+50N	8
L 13+00W 7+00N	<5
L 13+00W 6+50N	9
L 13+00W 6+00N	7

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Probe Resources

WO 00325

Sample Au ppb

L 13+00W 5+50N	19
L 13+00W 5+00N	7
L 13+00W 4+50N	5
L 13+00W 4+00N	5
L 13+00W 3+50N	8
L 13+00W 3+00N	5
L 13+00W 2+50N	7
L 13+00W 2+00N	9
L 13+00W 1+50N	10
L 13+00W 1+00N	6
L 13+00W 0+50N	7
L 13+00W 0+00	<5
L 14+00W 10+00N	<5
L 14+00W 9+50N	5
L 14+00W 9+00N	11
L 14+00W 8+50N	5
L 14+00W 8+00N	<5
L 14+00W 7+50N	<5
L 14+00W 7+00N	<5
L 14+00W 6+50N	<5
L 14+00W 6+00N	<5
L 14+00W 5+50N	5
L 14+00W 5+00N	<5
L 14+00W 4+50N	6
L 14+00W 4+00N	5
L 14+00W 3+50N	<5
L 14+00W 3+00N	6
L 14+00W 2+50N	8
L 14+00W 2+00N	<5
L 14+00W 1+50N	<5
L 14+00W 1+00N	5
L 14+00W 0+50N	6
L 14+00W 0+00	7
L 15+00W 10+00N	5
L 15+00W 9+50N	21
L 15+00W 9+00N	6
L 15+00W 8+50N	<5
L 15+00W 8+00N	6
L 15+00W 7+50N	6
L 15+00W 7+00N	6
L 15+00W 6+50N	10
L 15+00W 6+00N	10

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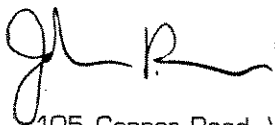
Probe Resources

WO 00325

Sample Au ppb

L 15+00W 5+50N	6
L 15+00W 5+00N	6
L 15+00W 4+50N	6
L 15+00W 4+00N	8
L 15+00W 3+50N	10
L 15+00W 3+00N	10
L 15+00W 2+50N	7
L 15+00W 2+00N	7
L 15+00W 1+50N	21
L 15+00W 1+00N	28
L 15+00W 0+50N	8
L 15+00W 0+00S	8

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LEGEND

JkD	JURASSIC and CRETACEOUS Mica schist, slate.
PMvs	PALEOZOIC and/or MESOZOIC Vm Mafic volcanics, tuffs, greenschist, minor argillite and greywacke. Peridotite.
Ls	Limestone and meta- sedimentary rock.

SYMBOLS

	Outcrop, strike and dip
	Cu geochem >500 ppm
	HLEM conductor
	VLF conductor
	Blast or backhoe trench or pit
	Rock sample location, number
	Narrow gully
	Edge of upland plateau
	Claim boundary and posts
	Camp

ROCK SAMPLE RESULTS

SAMPLE NO.	WIDTH (cm)	Cu (ppm,%)	Au (ppb)
18313	grab	303	9
18314	grab	118	8
18315	grab	124	22
18316	grab	669	9
18317	grab	7521	>6667
18318	grab	11059	217
18319	grab	6697	352
18320	grab	363	60
18321	grab	81	178
18322	grab	20	<5
18323	grab	774	8
18324	grab	3049	6
18325	grab	2829	10
18339	grab	9.1%	79
18340	grab	10515	23
18341	grab	447	10
18342	grab	318	10
18343	grab	67	15
18344	grab	3560	13
18345	grab	13%	993
18346	grab	6.4%	>6667
18347	grab	11919	37
18348	grab	7489	70
18349	grab	2809	14
18350	grab	18238	199
18351	grab	5207	40
18352	grab	993	140
18353	grab	174	18
18354	grab	280	9
18355	300	179	10
18356	250	173	64
18357	200	187	12
18358	200	200	13
18359	200	225	35
18360	300	126	9
18361	200	200	12
18362	200	251	8
18363	200	211	10
18364	grab	7578	433

PROBE RESOURCES LTD.
 DWG 533
ELLEN CLAIMS
PROPERTY PLAN
093174
 G. DAVIDSON, CONSULTING GEOLOGIST
 SCALE: 1 : 5,000 DATE: October 1995
 N.T.S.: 115 A/13 DRAWN: R.S. FIGURE 5

needs
approval

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MINFILE: 115A 041
PAGE NO: 1 of 2
UPDATED: 07/19/94

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

NAME(S): Kloo
MINFILE #: 115A 041
MAJOR COMMODITIES: Cu,Au
MINOR COMMODITIES: -
TECTONIC ELEMENT: Wrangellia Terrane

NTS MAP SHEET: 115 A 13
LATITUDE: 60°51'33"N
LONGITUDE: 137°57'48"W
DEPOSIT TYPE: Volcanogenic
STATUS: Drilled prospect

CLAIMS (PREVIOUS AND CURRENT)

JUDE, NOR, THOR, MC, ELLEN, PRESTON, BRAND

WORK HISTORY

Staked as Jude, Nor and Thor cl (65357) in May/53 by R. Reber and optioned to Hudson Bay M & S in Sept. Hudson Bay conducted an EM survey, drilled five holes (323 m) and built a tote road in 1954.

Restaked as MC cl (77812) in May/62 by T. Worbetts and optioned briefly by E. Kreuger in 1963. Optioned in 1965 by Can. Barranca ML, which improved the road, conducted a soil sampling and mapping program and drilled 3 holes (100.9 m) in 1966 in No. 1 Zone. Following mag and EM-16 surveys in 1967 and 1969, 4 holes (333.1 m) were drilled in 1969.

Restaked as Ellen cl (YA97362) in May/87 by Harjay EL, which staked more claims and explored by hand trenching and prospecting in 1989, and a VLF/EM-16 survey, prospecting and blast trenching in 1990. More Ellen claims (YB35480) were added in Oct and Nov/90, and in Jun/92 (YB36844).

In Aug/93, Probe Resources optioned the Ellen claims, and conducted soil and rock sampling and geophysical surveys in Aug and Sept/93.

G. Davidson tied on the Preston 1-37 cl (YB38265) to the northeast in Sept/93. R. Stack tied on the Brand 1-26 cl (YB46491) in Oct/93.

GEOLOGY

Several layers of massive pyrite and chalcopyrite occur parallel to bedding and shear planes in andesitic tuff and shale of Triassic age. Widely divergent attitudes in the two outcrops (northwest strike 35° south-west dip in the north bank, northeast strike 45° southeast dip in the south bank) suggest a strong fault or fold axis underlies the creek. Blast trenching in 1989 and 1990 exposed the mineralization over a strike length of about 100 m.

Surface sampling in 1966 gave 3.0% Cu across a width of 9.1 m for the north side (No. 1 Zone) and 2.0% Cu across 4.6 m for the south side (No. 2 Zone). The Hudson Bay drilling is rumoured to have intersected only minor copper in graphitic shale.

The 1966 drilling showed No. 1 Zone to have a grade of 2.2 % Cu over a length of 36.6 m, depth of 64 m and thickness of 4.9 m.

In the 1969 drilling, Hole 7 intersected 1.5 m of 0.8% Cu below the 1966 holes. Holes 5 and 6, stepped out 61 m along strike to the northwest from the 1966 holes, cut 0.9 m of 1.1% Cu and 4.3 m of 0.6% Cu respectively. Core recovery was poor in Holes 5 and 6. Hole 4 tested an EM and magnetic to the east anomaly and intersected graphite schist and two bands of serpentine, 7.9 m and 9.4 m thick containing nickel values up to 0.11%.

Blast trenching in 1989 exposed massive chalcopyrite in two layers of slate interbedded with andesitic tuff and banded siliceous tuff, and a third pyritic sulphide layer in the metavolcanic rocks below. The slate layers strike 110°, dip 23°S and contain disrupted quartz veinlets. A 2.0 m chip sample across the uppermost layer assayed 8.55% Cu and 789 ppb Au. Specimens contained up to 990 ppb Au, 10.1 g/t Ag, 126 ppm Mo and 2900 ppb Hg.

GEOLOGY (continued)

A fourth massive chalcopyrite layer was found in 1990, and disseminated sulphides were found over a thickness of 152.4 m. A VLF survey outlined three conductors southeast of the main showing.

The 1993 exploration program outlined a strong copper geochemical anomaly coincident with HLEM and VLF-EM conductors.

REFERENCES

BREMNER, T.J., Sep/89. Field notes based on property visit.

CANADIAN BARRANCA MINES LTD, Dec/69. Assessment Report #091313; Anonymous.

CANADIAN BARRANCA MINES LTD, Feb/67. B.C. Securities Commission, Open File Report by B.C. Macdonald.

DODDS, C.J., AND CAMPBELL, R.B., 1992. Overview, legend and mineral deposit tabulations for Geological Survey of Canada Open Files 2188, 2189, 2190 and 2191.

GEOLOGICAL SURVEY OF CANADA, Paper 67-40, p. 54.

KINCORA SYNDICATE/R. STACK, Dec/90. Assessment Report #092921 by G.S. Davidson.

PROBE RESOURCES LTD., Dec/93. Assessment Report #093174 by G.S. Davidson.

R. STACK, Nov/89. Assessment Report #092766 by G.S. Davidson.

YUKON EXPLORATION 1989, p. 99.

YUKON MINING AND EXPLORATION OVERVIEW, 1989, p. 7.

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MINFILE: 115A 041
PAGE NO: 1 of 2
UPDATED: 07/19/94

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STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
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MINOR COMMODITIES: -
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