

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT
on the
LUPUS 1, 3, 4, 5 and 6 CLAIMS

NANAIMO MINING DIVISION, B.C.

NTS 92F/14E
(49°48'N, 125°10'W)
47 121

for

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FILMED

Owner: *Proquest Resource Corporation*

MINISTRY OF ENERGY, MINES
AND PETROLEUM RESOURCES
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SUBJECT _____
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GEOLOGICAL BRANCH
ASSESSMENT REPORT

July 1986

15,034

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SUMMARY AND CONCLUSIONS

The Lupus 1, 3, 4, 5, 6 mineral claims are under option to Pan World Ventures Inc. from Proquest Resource Corporation. The claims consist of 72 units located in the Nanaimo Mining Division (NTS 92F/14E). The property is situated 15.7 kilometres northwest of Courtenay and is accessible by road.

A sequence of Upper Triassic Karmutsen basic volcanics which is unconformably overlain by Upper Cretaceous sandstones and siltstones of the Nanaimo group underlies the property. This succession is intruded by Tertiary dacite porphyries.

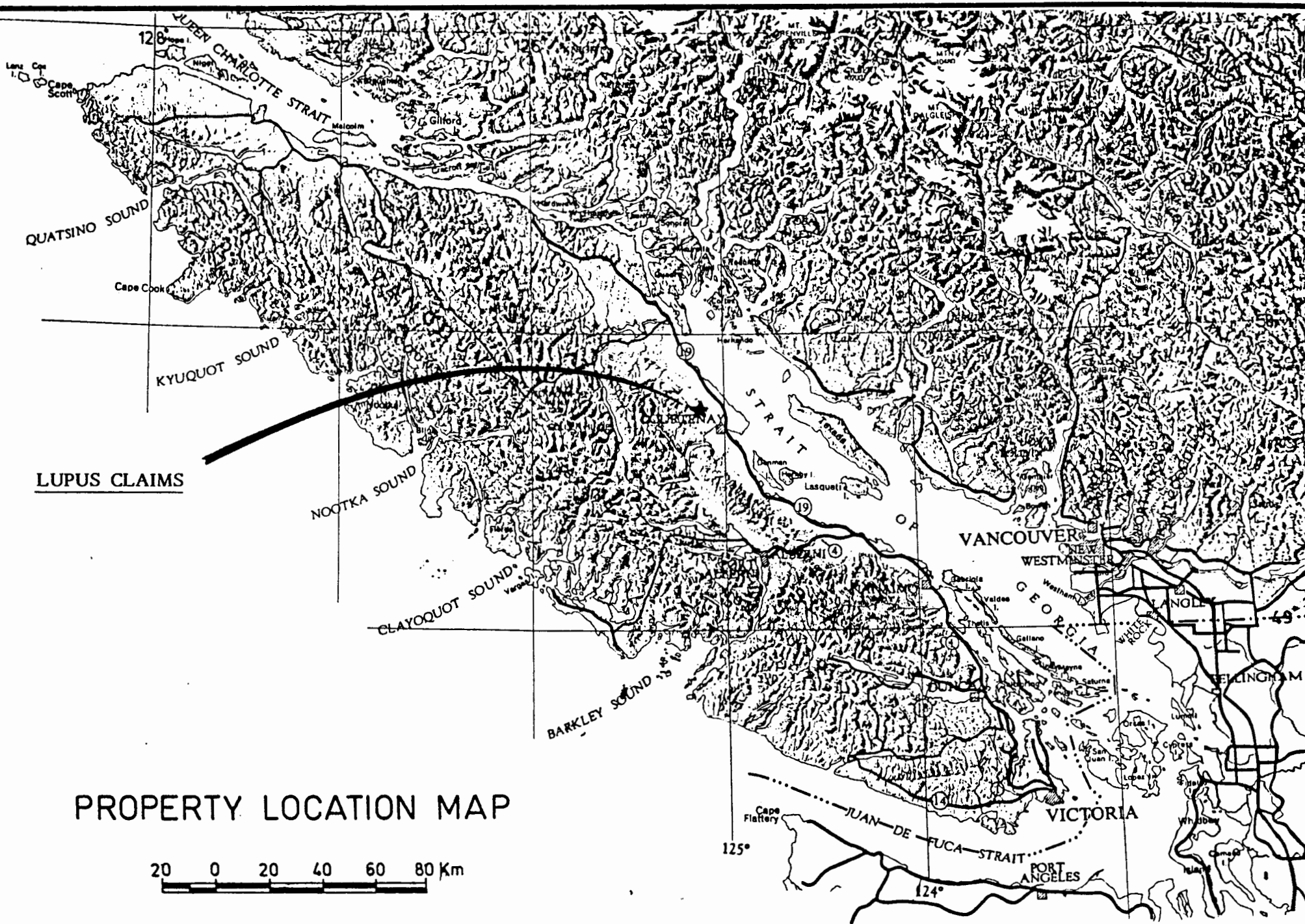
Gold mineralization on the claims is located in several areas. At the Lake Zone a vein system occurs in Upper Triassic volcanics. Chip samples across the sulphide-rich core of the vein assay up to 2.700 oz/ton Au, 5.70 oz/ton Ag, 5.98% Zn, 5.74% As, 0.45% Pb and 0.96% Cu. Nanaimo group sediments at the Creek Zone host sulphide-bearing breccia veins. Samples of the breccia veins assay up to 0.131 oz/ton Au, 4.22 oz/ton Ag, 4.94% As, 2.10% Pb, 1.61% Zn and 0.54% Cu. At the "Road" occurrence a grab sample from a sulphide-vein in Karmutsen volcanics assayed 0.640 oz/ton Au, 0.90 oz/ton Ag and 0.66% Cu.

During July 1986, grids (27.9 km) were established and lines (7.1 km) cut, soil (1190 samples) and induced polarization surveys (4.9 km) were undertaken and as well mineral showings were sampled. The object of this work was to test for geochemical and geophysical evidence of lateral and down dip extensions of the surface showings.

Results of exploration indicate that the Lake Zone has the geophysical expression of a gently, northeasterly dipping, highly polarizable body.

The geophysical anomaly associated with the Lake Zone is open to the north and south. The Creek Zone is outlined by co-incident arsenic-gold anomalies as well as a steep-dipping geophysical anomaly that is open to the east. In addition, soil sampling and prospecting has outlined several gold anomalies on other parts of the claims.

A program of further exploration work is strongly recommended to continue the evaluation of the known gold-bearing zones and areas of anomalous gold geochemistry.



LUPUS CLAIMS

PROPERTY LOCATION MAP

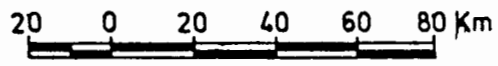


FIGURE 1

INTRODUCTION

Location

The property is located 15.7 kilometres northwest of Courtenay in the Nanaimo Mining Division (NTS 92F/14E). Centered at latitude $49^{\circ}46'N$ and longitude $125^{\circ}10'W$, the claims cover the north end of Wolf Lake.

Access

Excellent access is provided by Crown Forest Industries Ltd's logging roads, from the Courtenay area, which cross the property as well as pass within a few feet of each showing.

Previous Work

Considerable exploration work was carried out in the vicinity of the Lupus claims at Mt. Washington in the 1950's. This work led to limited production of Cu, Au and Ag from high grade lodes associated with Tertiary intrusives. During a two and a half year period between 1965 and 1967 377,639 tons of ore were milled to yield 4,128 oz of Au, 224,570 oz of Ag and 7,592,186 pounds of Cu.

In the late 1960's and early 1970's various companies explored the old workings. An intense program was conducted by Imperial Oil Limited for porphyry copper deposits, resulting in the definition of reserves reported at 610,000 tons averaging 1.4% Cu, 0.015 oz/t Au and 1.20 oz/t Ag. More

recently Better Resources Ltd. has optioned the Mt. Washington copper properties, acquired additional ground and carried out exploration specifically for "epithermal gold deposits" associated with the Tertiary intrusive complex of the area.

In 1985, Proquest optioned the Lupus claims to Homestake Mineral Development Company. Homestake conducted a brief evaluation of the ground before relinquishing the option (Harrap, 1986).

Physiography

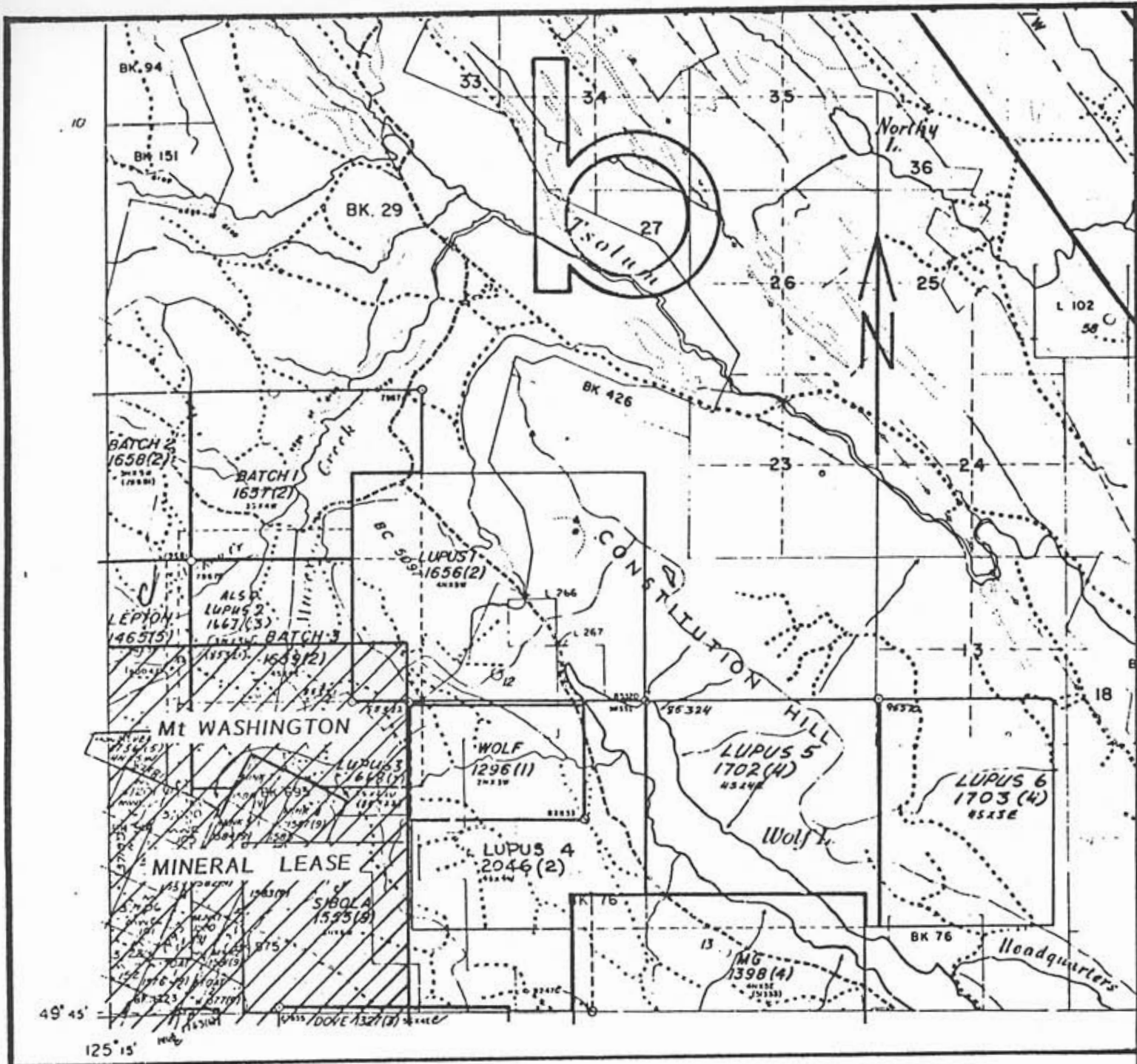
The claims are forested with second growth timber. Terrain is relatively subdued over most of the group with elevations ranging from 100 to 500 metres above sea level. The property is in an area that is not as environmentally sensitive to recreational use as Mt. Washington proper. Sufficient water and timber occur in most areas of the property to meet exploration needs. A power line passes close to the east boundary.

PROPERTY

The claims (Figure 2), owned by Proquest Resource Corporation and under option to Pan World Ventures Inc., are located in the Nanaimo Mining Division (NTS 92F/14E) and consist of 72 units in total. However, the Lupus 3 partly overlaps the Batch 3 and Mink Claims and as a consequence that part of the Lupus 3 which Proquest has title to is not contiguous with the other Lupus claims and may only be one unit in area. The Lupus 4 claim overlaps the Wolf claim. Furthermore, the Lupus 3 claim and a portion of the southwest corner of the Lupus 1 claim, approximately 1 unit in area, are located in the Mount Washington Mineral Lease. This lease is held by Canpac Minerals Ltd. The lease entitles Canpac to base metal rights, however gold and silver rights reside with the Crown and are open to normal mineral claim acquisition. The writer is therefore of the opinion that Proquest has the rights to gold and silver in that portion of Lupus 1 and 3 covered by the Mount Washington Mineral Lease and that Proquest has the rights to all metallic minerals in the rest of Lupus 1, 4, 5 and 6.

Table 1

Claim	Units	Record Number	Expiry Date
Lupus 1	20	1656	February 28, 1988
Lupus 3	8	1668	March 13, 1987
Lupus 4	16	2046	February 21, 1987
Lupus 5	16	1702	April 6, 1988
Lupus 6	12	1703	April 6, 1988



CLAIM LOCATION MAP

Lupus Mineral Claims

Proquest Resource Corporation

Nanaimo Mining Division, B.C.

NTS 92F/14E

Scale 1:50,000



Figure 2.

GEOLOGY

The Lupus claims are situated 8 kilometres east of Mt. Washington in the southern part of the Insular Tectonic Belt: the Vancouver Island Ranges. The area is underlain by a succession of gently northeasterly dipping Upper Triassic Karmutsen basic volcanics which are unconformably overlain by Upper Cretaceous Nanaimo Group sandstone and siltstone. This sequence is intruded by Tertiary quartz diorite and related dacite porphyries. Several types of intrusive breccias are associated with the Tertiary rocks (Carson, 1973). Air photographs indicate a pronounced set of radial and concentric lineaments is centered about a point 3.5 kilometres east of Mt. Washington. Aeromagnetic data over part of the area indicates a magnetic high is nearly coincident with the centre of the fracture pattern, possibly suggesting that an unroofed pluton may be buried beneath this area. The Mt. Washington intrusives may be expressions of this deeper seated intrusion and may have been emplaced along zones of weakness where concentric subsidence fractures developed as a result of pulsating activity of the parent magma.

Detailed geological mapping of the whole claim area has not been carried out at present. The distribution of lithologies (Plate 1) is taken from Carson (1973), with lithologic descriptions as observed during the course of prospecting.

LITHOLOGIES

Upper Triassic - Karmutsen Group

A sequence of brownish weathering, massive, basic to intermediate volcanic flows underlies the Lupus 1 claim. Massive flows are dark green coloured, amygdaloid basalts and andesites. Amygdules are filled with chlorite, quartz, calcite and epidote. Primary layering between flows is difficult to discern. The Karmutsen hosts gold-silver-zinc-arsenic-copper mineralization on Lupus 1, exposed in veins in a quarry at the north end of Wolf Lake.

Upper Cretaceous - Nanaimo Group

Nanaimo group sediments unconformably overlie the Karmutsen. On the property exposures of the Nanaimo consist of sequences of thin-bedded, fine to medium grained brown weathering, brown to grey coloured greywacke and interbedded siltstone. Nearly flay-lying, thin (to 10 cm) coal seams and pebble conglomerate lenses occur in the section on the Lupus 4. Locally, near contacts with Tertiary intrusives, the sediments are pyritic, hematitic and altered to clays. Gold mineralization at the Creek Showing is situated in this sequence. The thickness of the Nanaimo group sediments on the property is unknown.

Tertiary - Mt. Washington Intrusives

Grey weathering dacite porphyry is the predominant Tertiary lithology underlying the claims. Dacite consists of acicular hornblende

phenocrysts (to 1 cm long, 15%) which exhibit a vague alignment, white subhedral feldspar phenocrysts (to 4 mm long, 10%) and rare quartz eyes (1%) in a pale grey medium-grained ground mass of feldspar and quartz.

Dacite has presumably intruded Nanaimo group sediments on the Lupus claims as a large laccolith (Carson, op.cit.). In general the dacite is a resistant cliff forming unit: exposures commonly show well developed vertical joint sets - possibly cooling-contraction joints. An unusual recessive exposure of dacite forms a distinct orange gossan on the east side of Wolf Lake and lies on strike with gold-bearing veins of the Creek Showing. At the gossan dacite is shattered and contains disseminated pyrrhotite. Mafics are chloritized and in some cases completely gone (sericitized?). Feldspars are clouded and locally altered to clays.

GEOCHEMISTRY

Soil sampling on the Lupus claims was conducted over a total of 27.9 kilometres of grid covering three areas of interest. In addition two reconnaissance soil lines were sampled. A total of 1079 samples were collected at 25 metre intervals on flagged lines, spaced 100 metres apart. The soils were placed in numbered kraft envelopes and delivered to Min-En Laboratories Ltd. in Vancouver. There, samples were dried, seived and analysed by ICP method for Ag, As, Cu, Mo, Pb and Zn. Gold was analysed from a 15 gram sample by fire assay with an atomic absorption finish.

Where possible, soil samples were collected from the B-horizon. This horizon is moderately well developed over most of the areas sampled. Soils consist of thin residual soils over the Lake Grid, with the exception of the valley bottom on the northern side where relatively thick overburden is believed to be developed. Residual soils are moderately well developed over most of the Creek Grid, however, some glacial debris flanks the grid area. Glacial debris is believed to be prevalent over most of the West Grid.

Histograms and probability graphs of soil data are appended (Appendix A). An interpretation of the data in terms of background and anomalous categories is tabulated below (Table 2).

Table 2

Interpretation of Soil Sample Data

	Range	Background	Possibly Anomalous	Anomalous
Lake Grid				
Au	1 - 975 ppb	1 - 9 ppb	10 - 39 ppb	40+ ppb
Ag	0.1 - 3.4 ppm	0.1 - 2.0 ppm	2.1 - 2.4 ppm	2.5+ ppm
As	1 - 497 ppm	1 - 39 ppm	40 - 74 ppm	75+ ppm
Zn	6 - 944 ppm	6 - 149 ppm	150 - 224 ppm	225+ ppm
Cu	1 - 358 ppm	1 - 99 ppm	100 - 149 ppm	150+ ppm
Pb	1 - 95 ppm	1 - 34 ppm	35 - 49 ppm	50+ ppm
Mo	1 - 11 ppm	1 - 11 ppm	-	-
Creek Grid				
Au	1 - 370 ppb	1 - 9 ppb	10 - 39 ppb	40+ ppb
Ag	0.1 - 3.5 ppm	0.1 - 1.5 ppm	1.6 - 2.4 ppm	2.1+ ppm
As	1 - 2023 ppm	1 - 20 ppm	21 - 74 ppm	50+ ppm
Zn	10 - 581 ppm	10 - 64 ppm	65 - 224 ppm	120+ ppm
Cu	1 - 144 ppm	1 - 64 ppm	65+ ppm	-
Pb	1 - 832 ppm	1 - 49 ppm	50 - 74 ppm	75+ ppm
Mo	1 - 10 ppm	1 - 10 ppm	-	-
West Grid				
Au	1 - 188 ppb	1 - 19 ppb	20 - 39 ppb	40+ ppb
Ag	0.1 - 4.1 ppm	0.1 - 1.9 ppm	2.0 - 2.9 ppm	3.0+ ppm
As	1 - 109 ppm	1 - 39 ppm	40 - 74 ppm	75+ ppm
Zn	12 - 82 ppm	12 - 82 ppm	-	-
Cu	6 - 1035 ppm	6 - 149 ppm	150 - 199 ppm	200+ ppm
Pb	1 - 45 ppm	1 - 45 ppm	-	-
Mo	1 - 111 ppm	1 - 19 ppm	20 - 29 ppm	30+ ppm

Results of sampling for the **Lake Grid** do not outline a gold anomaly over the Lake Zone proper. This is probably due in part to relatively thick overburden accumulation in the valley bottom that is co-incident with the mineralized area. Anomalous arsenic (to 344 ppm) and zinc (to 257 ppm) values overlie the geophysical extension of the Lake Zone on line 990N, 725W to 775W. Possibly anomalous gold values occur along the trend of the zone. Several gold and arsenic anomalies are scattered along the north end of lines 1200W and 1300W and may reflect mineralization associated with an extension of the Lake Zone. Fill-in sampling between lines and sampling of soil horizons at depth is recommended to further outline the Lake Zone.

A relatively strong gold anomaly (values to 520 ppb) is associated with the geophysical anomaly that diverges to the west along the baseline from the Lake Zone. Several high gold values are found on the western part of the grid in areas not tested geophysically. Of note is a 46 ppb gold value at 1675W, 1200N. This sample reflects mineralization (up to 0.64 oz/ton Au) at the "Road" occurrence - a small sulphide-bearing vein located approximately 20 metres north of this sample site. An isolated 510 ppb gold value occurs on line 1200N approximately 125 metres west of the "Road" occurrence and is unexplained. The highest gold value (975 ppb, line 900N, 1150W) is associated with anomalous silver (3.0 ppm) and zinc (293 ppm) in adjacent samples as well as anomalous gold (74 ppb) on line 800N, 1125W. Further sampling and prospecting in this area is warranted to determine the source of these values.

Analytical results for soils from the **Creek Grid** are distinctly anomalous in arsenic (values to 2023 ppm) along the baseline between lines 1000E and 1300E. Anomalous gold values (to 210 ppb) are erratic in this interval. From line 1300E to 1800E anomalous arsenic (to 967 ppm) is associated with anomalous zinc (to 558 ppm), lead (to 832 ppm), silver (to 3.4 ppm) and gold (to

370 ppb) in the interval between 800S and 850S. This suggests that mineralization in the Creek Zone may extend at least 400 metres to the east. Further lines to the east of 1800E are warranted to close off this anomalous zone. As well, detailed fill-in sampling and soil profiling between existing lines should be undertaken to further define the zone.

Results of sampling the **West Grid** outline high gold (to 155 ppb) on line 1900W between 600S and 675S and on line 1700W, 950S and 1100S. Follow-up of these anomalies is recommended.

Two reconnaissance soil lines (L1 and L2, refer to Plate 1) were sampled. The object of line L1, on the Lupus 5, was to determine if gold is associated with a gossanous area in the dacite and to test the zone along the contact of the dacite and Nanaimo group sediments. Results of the sampling indicate a few spotty arsenic highs (values to 220 ppm) occur in the area, however gold values are low (10 ppb or less). Line L2 was run below a small bluff of Nanaimo group sediments in which a rusty weathering quartz vein was located. The samples are all relatively high in arsenic (values to 459 ppm) and copper (to 539 ppm) with a high silver (7.5 ppm) and gold (100 ppb) value. Further sampling is warranted in this area.

GEOPHYSICS

An induced polarization and resistivity survey was conducted on the Lupus claims during the period July 19 to 23, 1986. The survey was conducted by Pacific Geophysical Ltd. of Vancouver, B.C. At the Lake Zone four lines (2.8 km) were tested using a 50 metre interelectrode spacing and a 25 metre spacing in the case of one line. Testing at the Creek Zone was undertaken on three lines (2.1 km) at 25 metre interelectrode spacing and, in the case of one line, 50 metre spacing. The object of this work was to determine if surface mineralization located at the Lake and Creek Zones could be detected with this technique and could be traced along strike and to depth. Results of the work are fully described in the report by Pacific Geophysical Ltd. (Appendix D). The following is a brief summary of Pacific's work.

A distinct polarizable zone is associated with the showing at the **Lake Zone**. The anomalous area is northwesterly trending across all lines surveyed and appears to dip gently to the northeast. To the south the anomaly has diminished in intensity, possibly due to overburden effects. To the north a strong anomaly occurs on the last line. A second anomalous zone diverges to the west from the Lake Zone along the base line. This anomaly, while somewhat less intense than that associated with the Lake Zone proper, is co-incident with strong gold soil geochemistry on line 900N.

Survey results over the **Creek Zone** indicate that a narrow steeply dipping polarizable zone bifurcates eastward and is still open at line 1400E. The anomalous zone is co-incident with the known mineralization and high gold and arsenic soil geochemistry.

Further work on the Lupus claims should include additional induced polarization/resistivity surveys to further delineate and close the anomalous zones associated with both the Lake and Creek Zones. As well coverage should be extended to test the area around the "Road" occurrence.

MINERALIZATION

To date, two zones of gold-bearing sulphide mineralization have been located on the Lupus claims. In addition, several mineral occurrences have been discovered. These are at an early stage of exploration.

The **Lake Zone**, situated by the north end of Wolf Lake on the Lupus 1 claim, is a new discovery. Gold, silver, zinc, arsenic and copper mineralization was exposed in 1983 by Crown Forest Industries Ltd. during the course of quarrying roadbed material.

Trenching was conducted on behalf of Homestake Mineral Development Company by Amerlin in October 1985. Approximately 130 cubic metres of material were stripped away to expose a relatively open antiformal vein surface across a strike length of 16 metres. The structure plunges 30° toward 080° and is associated with a parallel joint set which forms a crude sheeting in the quarry walls.

The vein itself consists of a narrow (to 9 cm) sulphide-rich core that is overlain by a narrow clayey zone (14 cm) typically with broken sulphide-quartz material. These zones are enveloped in a dark grey to black alteration zone (to 20 cm) which grades out into a bleached pale grey to creamy coloured envelope (to 43 cm) which, in turn, grades into unaltered dark green Karmutsen volcanics. The dark alteration envelope may contain carbon, chlorite or secondary biotite. The bleached alteration envelope is presumably a clay altered or carbonatized zone. Sulphide-rich vein material consists of coarse pyrite and black to dark bluish sphalerite, fine-grained arsenopyrite, rare galena and chalcopyrite. A crude layering of sulphide minerals is discernable. Vugs lined with quartz and

sulphide crystals, some encrusted with dolomite, are relatively common. Altered wall rock fragments are not uncommon in the vein. Thin (to 3 cm) quartz-sulphide (FeS_2 -ZnS-FeAsS) stringers extend into the alteration zones and are typically oriented parallel to the main vein. Locally the dark alteration envelope above the vein is brecciated such that angular fragments are either supporting themselves or are locally supported by a matrix of coarse quartz and sulphides.

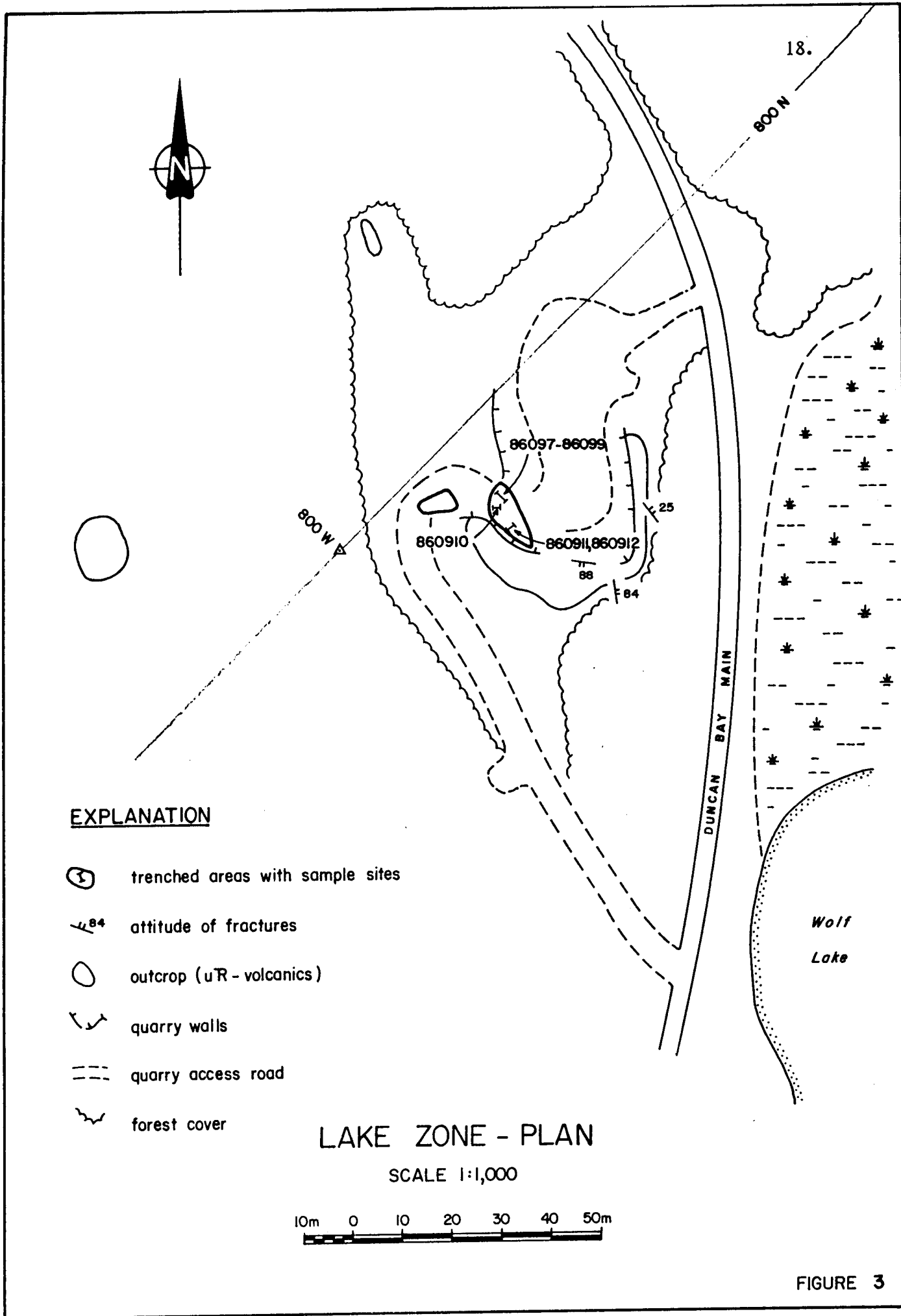
During the July 1986 program, a total of 6 samples were taken across vein and associated rock (Figure 3). The results of this sampling are tabulated below, sample descriptions and raw data are appended.

Table 3

Assays - Lake Zone

Samples	Width (cm)	Au oz/ton	Ag oz/ton	Zn %	Pb %	As %	Cu %
86098	18	0.002	0.07	0.10	0.07	0.01	0.02
86099	9	2.700	5.70	5.74	5.98	0.45	0.96
860910	50	0.225	0.44	1.81	1.76	0.03	0.11
860911	42	0.290	0.87	1.36	4.40	0.11	0.20
890912	90	0.129	0.60	0.63	1.59	0.01	0.15

Samples 86098 to 86099 are continuous chip samples across the footwall alteration envelope and sulphide-rich vein. In this interval the sulphide core is 9 cm thick (86099). Sample 860910 is taken across a 50 cm interval containing both light and dark alteration types in the hanging wall. Assays of samples 860911 and 860912, taken across a thicker zone of hanging wall alteration



EXPLANATION

- circled areas with sample sites
- attitude of fractures
- outcrop (uR - volcanics)
- quarry walls
- quarry access road
- forest cover

LAKE ZONE - PLAN

SCALE 1:1,000

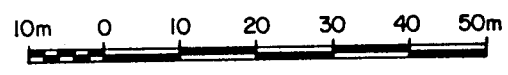


FIGURE 3

and weighted together yield values of 0.180 oz/ton Au, 0.686 oz/ton Ag, 0.86% As, 2.48% Zn and 0.16% Cu across 132 cm. A weighted average of best hanging wall material (860911, 860912) together with the sulphide vein (86099) suggests that values in the order of 0.341 oz/ton Au, 1.006 oz/ton Ag, 1.17% As, 2.70% Zn and 0.21% Cu may be obtainable over intervals of up to 1.41 metres.

The nature of the alteration, habit and type of mineralization at the Lake Showing suggests that it has the potential of being an exceptional, high-grade vein structure. Further work is strongly recommended to test this zone.

The **Creek Zone** located on the Lupus 6 claim at the south end of Constitution Hill was apparently previously staked, but there are no written records of mineralization being found in this area. Mineralization extends along a poorly exposed zone for approximately 200 metres (Figure 4) and occurs in narrow breccia veins (up to 20 cm wide) and on fracture and shear surfaces. Breccia vein material consists of siltstone and sandstone fragments in a matrix of fine to medium-grained pyrite and arsenopyrite, clay, realgar(?) and coarse white calcite. Some breccia-types contain black sphalerite as do veins at the eastern edge of the Creek Showing area. The mineralized veins exposed in the creek are somewhat irregular in attitude, but trend approximately east-northeasterly and have steep northerly dips. Alteration of wallrock is variable and locally intense producing a bleached, fractured rock that is locally anomalous in Au and As. Following the vein trend to the west there is very little exposure until a distinct orange soil gossan is reached on the edge of Wolf Lake. Exposures of altered and shattered dacite containing disseminated pyrrhotite occur adjacent to the gossan.








Chip samples across veins and shear zones in the Creek Zone are tabulated below:



GEOLOGICAL BRANCH
LEGEND REPORT

OLIGOCENE
Td MT. WASHINGTON INTRUSIVES
dacite porphyry
15,034

UPPER CRETACEOUS
Kn NANAIMO GROUP
sandstone and shale

-  outcrop distribution
-  shear zones / faults
-  attitude of bedding
-  mineralization
-  creek gully
-  logging road, skidder road
-  fault

CREEK ZONE - PLAN

LUPUS 6 CLAIM

SCALE 1:1,000

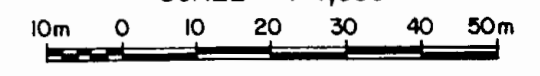


FIGURE 4

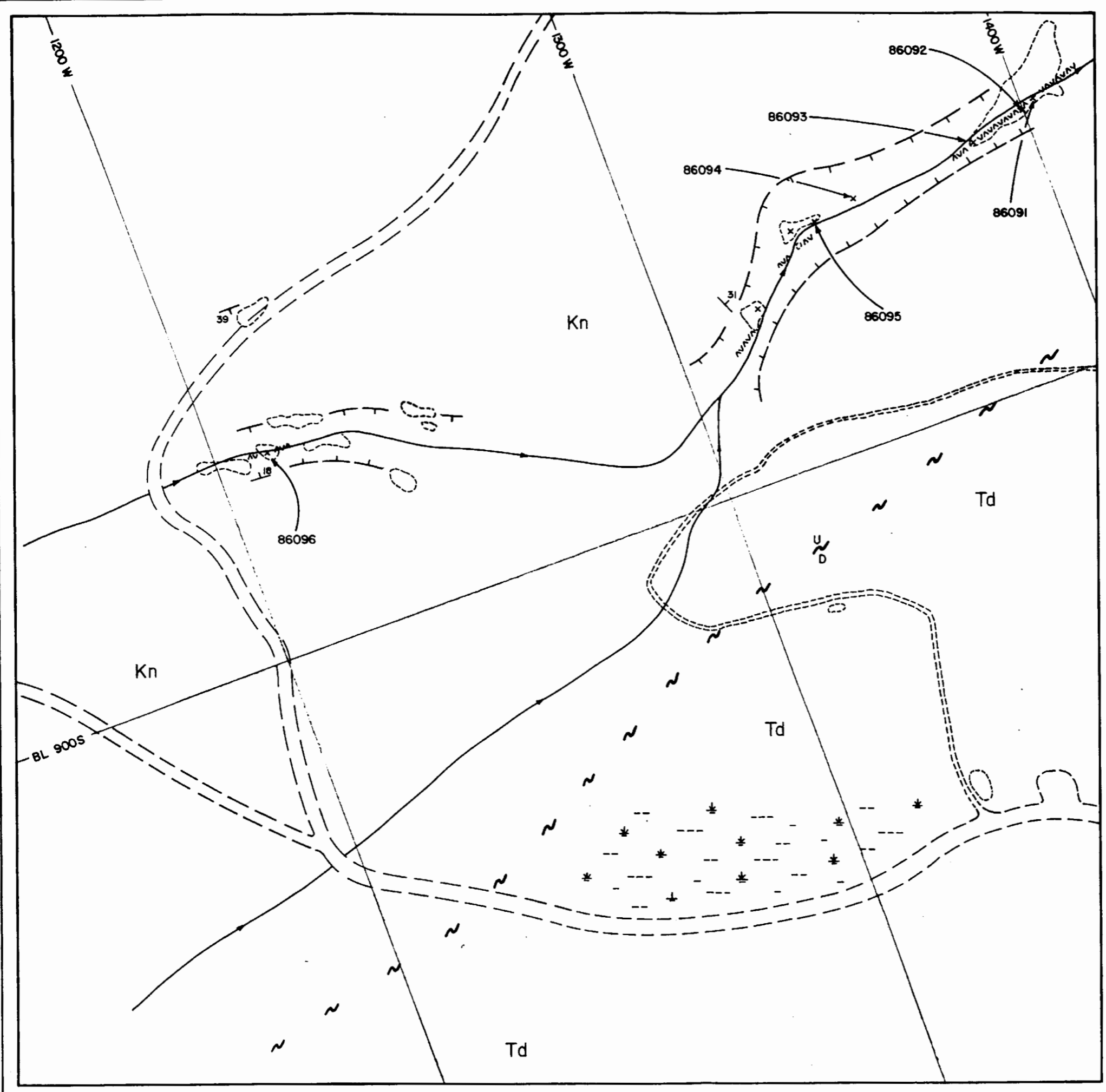


Table 4

Assays - Creek Zone

Samples	Width (cm)	Au oz/ton	Ag oz/ton	Zn %	Pb %	As %	Cu %
86091	6	0.036	2.32	3.14	6.38	1.54	0.22
86092	115	0.020	1.00	0.46	2.07	1.60	0.03
86093	25	0.001	0.13	0.12	0.05	0.25	0.01
86094	Float	0.011	0.07	0.36	4.40	0.11	0.20
89095	20	0.131	4.22	4.94	1.61	2.10	0.54
86096	22	0.168	0.39	5.03	0.01	0.08	0.06

Further mineralization was noted during the course of prospecting on the Lupus 1 and 4 claims. At the "Road" occurrence a narrow (to 6 cm) gently northeasterly dipping pyrite-chalcopyrite bearing quartz vein is situated beside an old logging road (refer to Plate 1). A grab sample (860918) of vein rubble from this occurrence assayed 0.640 oz/ton Au, 0.90 oz/ton Ag and 0.66% Cu. A bleached alteration envelope is associated with the vein. In this respect the vein has some similarities to the Lake Zone. A narrow (to 5 cm) presumably vertical, westerly trending pyrite-arsenopyrite-quartz vein is located in Nanaimo group sediments at the "Cliff" occurrence. A grab sample (860914, Plate 1) of vein rubble assayed: 0.46 oz/ton Ag, 0.003 oz/ton Au, 0.52% As and 0.13% Cu. Sediments around the vein are locally pyritic and bleached.

In the creek at the boundary of the Lupus 3 and 4 claims a well-developed stockwork of narrow (to 2 cm) quartz veinlets cuts Karmutsen volcanics. Soil sampling in this area has outlined several areas anomalous in gold. Further work should be directed to determining if a gold-bearing zone exists within the stockwork system.

RECOMMENDATIONS

A program of further exploration work is warranted and strongly recommended to test the known mineralization on the Lupus claims. Such a program should include:

- fill-in and expansion of soil geochemistry at the Lake and Creek Grids
- further induced polarization/resistivity surveys to delimit and define mineralization at the Lake and Creek Zones
- initial exploratory diamond drilling of the Lake and Creek Zones
- detailed geological mapping of grid areas.

Respectfully submitted,

AMERLIN EXPLORATION SERVICES LTD.



Carl G. Verley

Vancouver, B.C.

July 31, 1986

REFERENCES

- Carson, D.J.T.:
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- Carson, D.J.T.:
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- Harrap, K.L.:
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H.J. Keyser:
1985 Geological and Geochemical Report on the Lupus 1, 3, 5 and 6 Claims. Assessment report for Proquest Resource Corporation. January 1985.

APPENDIX A
ASSAY AND ANALYTICAL DATA

ASSAY AND ANALYTICAL DATA
ROCK SAMPLE DESCRIPTIONS

Sample	Description	Reference
CREEK ZONE		
86091	Chip sample across 7 cm wide sulphide vein in Nanaimo group sediments	Figure 4
86092	Continuous chip sample across 115 cm wide shear zone in Nanaimo group sediments	"
86093	Continuous chip sample across 25 cm wide shear zone in Nanaimo group sediments	"
86094	Chips of mineralized breccia vein float located on bank of creek gully	"
86095	Chips across a 20 cm wide breccia vein in Nanaimo group sediments	"
86096	Chips across 22 cm wide sulphide-rich vein in Nanaimo group sediments	"
LAKE ZONE		
86097	Chip sample across 23 cm wide light grey alteration envelope in footwall to the vein in Karmutsen volcanics	Figure 3
86098	Chips across 18 cm wide dark alteration envelope in footwall to vein in Karmutsen volcanics. 86098 overlies and is contiguous with 86097.	"
86099	Chip across 9 cm sulphide-rich vein in Karmutsen volcanics. 86099 overlies and is contiguous with 86098.	"
860910	Chips across 50 cm wide zone in the hanging wall to vein. Sample interval contains 35 cm of dark alteration envelope and 15 cm of light alteration envelope in Karmutsen volcanics	"
860911	Chips across 42 cm of dark alteration envelope in hanging wall to vein	"
860912	Chips across 90 cm of light alteration envelope in hanging wall. 860912 overlies and is contiguous with 860911.	"
860913	Chips of pyritic sandstone (Nanaimo) Lupus 4 claim	Plate 1
860914	Chips of quartz vein rubble, "cliff" occurrence	"
860915	Chips of realgar-bearing carbonate vein from the Wolf claim	"
860916	Chips of carbonate vein from the Wolf claim	"
860917	Chips of pyrrhotite-bearing Karmutsen volcanics from old trench, Wolf claim	"
860918	Chips of sulphide-bearing vein rubble from "Road" occurrence	"
860919	Chips of bleached Karmutsen volcanic footwall to 860918	"

OCME ANALYTICAL LABORATORIES LTD.
152 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: JULY 29 1986

DATE REPORT MAILED: *Aug 1/86*....

ASSAY CERTIFICATE

SAMPLE TYPE: ROCK CHIPS AU** AND AG** BY FIRE ASSAY

ASSAYER: *D. Toy* DEAN TOYE. CERTIFIED B.C. ASSAYER.

AMERLIN EXPLORATION

FILE # 86-1707A

PAGE 1

SAMPLE#	Cu %	Pb %	Zn %	Ag** OZ/T	Au** OZ/T	As %
86091	.22	1.54	6.38	2.32	.036	3.14
86092	.03	1.60	2.07	1.00	.020	.46
86093	.01	.25	.05	.13	.001	.12
86094	.01	.02	.12	.07	.011	.93
86095	.54	2.10	1.61	4.22	.131	4.94
86096	.06	.08	.01	.39	.168	5.03
86098	.02	.01	.07	.07	.002	.10
86099	.96	.45	5.98	5.70	2.700	5.74
860910	.11	.03	1.76	.44	.225	1.81
860911	.20	.11	4.40	.87	.290	1.36
860912	.15	.01	1.59	.60	.129	.63
860914	.13	.01	.05	.46	.003	.52
860915	.01	.01	.01	.01	.001	3.85
860918	.66	.01	.03	.90	.640	.05
STD R-1	.89	1.37	2.47	2.96	-	.93

ACME ANALYTICAL LABORATORIES LTD.
152 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 29 1986

DATE REPORT MAILED: *Aug 1/86*...

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: ROCK CHIPS AU** ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

AMERLIN EXPLORATION

FILE # 86-1707

PAGE 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au** PPB
86097	136	22	435	1.1	47	4
860913	467	9	60	.6	9	1
860916	6	3	7	.1	665	3
860917	683	13	115	.9	20	1
860919	304	16	747	.7	17	1
STD C/FA-AU	59	42	134	6.8	41	50

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-5345/P1+2

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L600N 500W	N/S						
L600N 525W	.1	1	10	8	36	44	3
L600N 550W	.1	1	1	8	30	24	2
L600N 575W	.1	1	20	7	40	65	2
L600N 600W	1.3	1	43	1	10	97	6
L600N 625W	.9	1	56	1	24	71	4
L600N 650W	1.3	1	65	1	22	69	11
L600N 675W	1.5	1	63	1	20	85	3
L600N 700W	1.3	1	67	1	28	67	4
L600N 725W	1.3	1	54	1	28	55	2
L600N 750W	1.6	2	76	1	26	82	2
L600N 775W	N/S						
L600N 800W	N/S						
L600N 825W	.4	9	68	1	27	46	2
L600N 850W	N/S						
L600N 875W	1.7	39	60	1	25	84	7
L600N 900W	1.4	11	85	1	32	64	3
L600N 925W	1.6	2	48	1	18	50	1
L600N 950W	1.5	8	79	1	21	55	2
L600N 975W	1.5	9	26	1	16	52	1
L600N 1000W	1.7	53	122	1	22	116	13
L600N 1025W	1.6	25	67	1	24	347	8
L600N 1050W	1.4	37	36	1	18	239	6
L600N 1075W	.9	2	25	1	32	69	1
L600N 1100W	1.1	1	18	1	19	62	70
L600N 1125W	1.8	1	33	1	4	48	1
L600N 1150W	1.5	1	124	1	16	54	5
L600N 1175W	1.6	1	53	1	17	71	25
L600N 1200W	1.3	2	74	1	53	112	116
L600N 1225W	1.3	1	47	1	20	56	2
L600N 1250W	1.1	1	9	1	3	24	1
L600N 1275W	.8	1	32	1	4	43	4
L600N 1300W	1.3	1	192	1	19	53	2
L700N 500W	.1	1	1	7	18	81	3
L700N 525W	.1	1	5	8	30	58	3
L700N 550W 20M	.1	1	1	7	32	62	2
L700N 575W	.7	6	74	5	25	59	6
L700N 600W	.3	6	94	6	27	62	1
L700N 625W	1.2	1	38	1	2	44	3
L700N 650W	1.4	2	48	1	21	57	4
L700N 675W	.9	1	96	1	22	65	2
L700N 700W 20M	.1	1	13	6	37	82	5
L700N 725W	N/S						
L700N 750W	1.0	1	63	1	15	37	3
L700N 775W	1.1	1	91	1	16	42	1
L700N 800W	1.0	4	53	1	27	68	10
L700N 825W	1.5	2	57	1	5	82	9
L700N 850W	1.2	92	71	1	16	150	7
L700N 875W	1.2	8	41	1	14	113	3
L700N 900W	1.0	7	34	1	18	57	7
L700N 925W	.7	1	60	1	13	70	1
L700N 950W 40M	1.4	1	65	1	8	56	3
L700N 975W	1.4	8	72	1	13	59	4
L700N 1000W	.3	57	45	1	20	152	9
L700N 1025W	1.3	9	18	1	10	60	2
L700N 1050W	1.4	3	16	1	6	42	2
L700N 1075W	1.4	1	52	1	13	68	5
L700N 1100W	1.9	1	97	1	13	43	6
L700N 1125W	1.5	2	23	1	7	29	9
L700N 1150W	1.7	6	43	1	15	58	1

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-5345/P3+4

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L700N 1175W	1.4	1	101	1	15	43	2
L700N 1200W	1.7	1	83	1	9	46	1
L700N 1225W	1.8	1	127	1	17	54	5
L700N 1250W	1.7	1	108	1	6	54	1
L700N 1275W	1.4	1	42	1	5	56	1
L700N 1300W 40M	1.4	59	80	1	9	98	8
L800N 500W	.5	1	30	2	16	44	2
L800N 525W	.1	1	24	7	28	62	1
L800N 550W	.4	1	23	7	25	53	1
L800N 575W	1.5	8	44	1	16	79	30
L800N 600W	1.4	1	104	1	17	73	2
L800N 625W	1.4	1	52	1	4	49	1
L800N 650W	1.2	1	98	1	18	59	1
L800N 675W	1.2	1	76	1	10	58	2
L800N 700W	1.1	1	92	1	10	38	1
L800N 725W	1.0	10	91	1	24	71	14
L800N 750W	1.3	14	71	1	24	96	12
L800N 775W	1.7	7	43	1	14	85	2
L800N 800W	1.7	4	73	1	9	63	1
L800N 825W	1.5	3	84	1	7	68	1
L800N 850W	1.2	4	57	1	18	91	8
L800N 875W	1.2	42	59	1	19	88	4
L800N 900W	1.7	3	105	1	15	63	1
L800N 925W	1.8	3	29	1	12	46	1
L800N 950W	1.2	6	11	1	16	47	2
L800N 975W	1.7	1	42	1	5	77	3
L800N 1000W	1.2	5	22	1	15	53	3
L800N 1025W	2.0	1	68	1	8	48	1
L800N 1050W	1.3	1	9	1	1	31	1
L800N 1075W	1.8	99	46	1	1	132	10
L800N 1100W	1.4	1	51	1	12	122	6
L800N 1125W	.6	1	24	1	18	178	74
L800N 1150W	.1	1	54	1	41	263	11
L800N 1175W	1.6	1	76	1	13	61	2
L800N 1200W	2.0	1	91	1	6	54	1
L800N 1225W	1.5	1	69	1	12	42	2
L800N 1250W	1.7	1	77	1	1	57	3
L800N 1275W	1.1	1	24	1	9	22	1
L800N 1300W	1.2	1	60	1	2	45	1
L800N 1325W	1.3	1	65	1	11	58	3
L800N 1350W 40M	.5	1	39	1	16	42	1
L800N 1375W	1.9	1	67	1	5	59	1
L800N 1400W	1.6	1	82	1	1	39	2
L800N 1425W	2.1	1	72	1	7	41	3
L800N 1450W	1.6	1	157	1	12	49	1
L800N 1475W	1.8	1	79	1	11	67	2
L800N 1500W	1.9	1	92	1	7	52	2
L800N 1525W	2.1	37	65	1	3	33	1
L800N 1550W	1.6	25	74	1	9	48	2
L800N 1575W	2.4	1	60	1	1	50	1
L800N 1600W	1.2	1	33	1	21	37	3
L800N 1625W	1.8	1	56	1	5	44	1
L800N 1650W 40M	1.4	1	43	1	18	33	4
L800N 1675W	1.6	1	82	1	10	37	4
L800N 1700W	1.8	1	91	1	9	53	2
L900N 500W	.2	1	20	9	38	52	2
L900N 525W 40M	.3	1	37	7	40	65	1
L900N 550W	1.0	1	56	1	29	68	2
L900N 575W	1.5	1	51	1	17	64	3
L900N 600W	1.2	1	118	1	24	61	2

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-5345/P5+6

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L900N 625W	1.8	1	73	1	3	44	2
L900N 650W	.6	1	50	1	15	60	10
L900N 675W	1.7	1	76	1	19	47	3
L900N 700W 40M	1.1	1	96	1	14	56	1
L900N 725W	1.6	284	80	1	20	257	2
L900N 750W 40M	.9	344	88	1	25	250	16
L900N 775W	.7	327	109	1	18	170	6
L900N 800W	.8	121	63	1	25	193	1
L900N 825W	1.0	311	109	1	13	161	2
L900N 850W	1.3	497	78	1	18	944	40
L900N 875W	2.2	23	95	1	2	191	55
L900N 900W	1.4	1	39	1	6	50	15
L900N 925W	2.0	11	93	1	27	310	38
L900N 950W	1.8	27	51	1	18	131	520
L900N 975W	1.6	1	111	1	8	37	1
L900N 1000W	1.4	1	46	1	7	95	3
L900N 1025W	1.1	1	44	1	8	91	1
L900N 1050W	2.1	7	57	1	19	45	3
L900N 1075W	1.3	3	42	1	17	42	4
L900N 1100W	1.8	1	89	1	2	55	5
L900N 1125W	1.9	1	62	1	11	71	1
L900N 1150W	3.0	1	50	1	3	83	20
L900N 1175W	1.7	7	56	1	41	293	975
L900N 1200W	1.1	1	39	1	3	34	1
L900N 1225W	1.9	1	42	1	3	44	4
L900N 1250W	2.1	1	61	1	3	33	5
L900N 1275W	1.9	1	121	1	1	41	2
L900N 1300W	1.9	1	121	1	2	65	1
L1000N 500W	1.5	2	43	1	17	44	2
L1000N 525W	1.4	1	91	1	13	43	1
L1000N 550W 40M	1.1	1	76	1	19	52	3
L1000N 575W	1.0	1	54	1	13	40	4
L1000N 600W	1.4	1	36	1	11	42	1
L1000N 625W	1.2	1	88	1	15	47	1
L1000N 650W 40M	.8	1	72	1	25	75	2
L1000N 675W	1.3	12	62	1	22	126	3
L1000N 700W	.7	8	74	1	17	57	7
L1000N 725W	1.1	24	84	1	22	51	17
L1000N 750W	.6	19	79	1	31	150	8
L1000N 775W	.6	12	81	1	24	156	2
L1000N 800W	1.7	76	77	1	28	118	4
L1000N 825W	1.6	1	92	1	9	40	7
L1000N 850W	1.8	1	49	1	15	39	5
L1000N 875W	2.5	1	17	1	1	18	2
L1000N 900W	.8	1	59	1	19	71	1
L1000N 925W	1.7	1	54	1	8	71	1
L1000N 950W	2.3	1	104	1	16	60	2
L1000N 975W	2.2	1	60	1	15	47	2
L1000N 1000W	1.8	1	92	1	17	37	1
L1000N 1025W	1.8	1	84	1	17	66	1
L1000N 1050W	2.1	3	41	1	15	56	2
L1000N 1075W	1.2	1	20	1	13	59	13
L1000N 1100W	2.1	1	54	1	4	97	3
L1000N 1125W 40M	1.9	1	114	1	13	65	2
L1000N 1150W	1.9	1	92	1	9	51	1
L1000N 1175W	1.1	1	62	1	4	55	2
L1000N 1200W	1.3	1	50	1	20	44	12
L1000N 1225W	1.6	1	67	1	14	63	2
L1000N 1250W	1.8	1	85	1	11	63	1
L1000N 1275W	1.5	2	40	1	20	51	1

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-5345/P7+8

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L1000 1300W	1.7	1	89	1	9	41	3
L1000 1325W	1.6	1	68	1	10	36	1
L1000 1350W	1.5	1	133	1	8	54	2
L1000 1375W	1.3	1	39	1	26	54	1
L1000 1400W	1.8	1	33	1	1	40	3
L1000 1425W 40M	2.1	1	114	1	4	64	1
L1000 1450W	3.4	1	34	1	3	44	3
L1000 1475W	1.8	1	110	1	9	52	2
L1000 1500W	2.4	3	23	1	12	36	1
L1000 1525W	1.7	1	42	1	1	38	1
L1000 1550W	1.9	1	66	1	1	58	2
L1000 1575W	1.6	1	84	1	18	50	2
L1000 1600W	1.8	1	70	1	3	53	1
L1000 1625W 40M	2.0	1	62	1	1	48	1
L1000 1650W	1.8	1	122	1	22	50	5
L1000 1675W	1.8	1	25	1	1	29	3
L1000 1700W	2.0	1	54	1	16	39	2
L1000 1725W 40M	1.9	1	115	1	9	44	1
L1000 1750W	2.1	1	103	1	13	68	2
L1000 1775W	1.8	2	26	1	5	32	1
L1000 1800W 40M	1.9	1	134	1	12	52	1
L1000 1825W	2.1	1	95	1	6	40	2
L1000 1850W	1.6	1	98	1	6	49	2
L1000 1875W	1.9	1	183	1	17	48	1
L1000 1900W	1.5	1	142	1	7	54	2
L1100 500W	1.1	1	38	1	15	44	1
L1100 525W 40M	1.0	1	63	1	11	47	1
L1100 550W	1.0	1	50	1	35	70	1
L1100 575W	1.7	1	83	1	20	61	3
L1100 600W	1.1	1	76	1	24	48	2
L1100 625W	1.4	1	95	1	21	59	14
L1100 650W	1.4	72	92	1	9	30	11
L1100 675W 40M	1.4	1	102	1	21	44	9
L1100 700W	1.6	1	41	1	18	36	15
L1100 725W	1.5	1	63	1	23	57	7
L1100 750W 40M	1.4	1	68	1	12	56	12
L1100 775W	1.8	1	70	1	9	65	5
L1100 800W	1.5	41	28	1	19	42	2
L1100 825W	2.1	23	81	1	7	42	13
L1100 850W	1.7	1	97	1	26	61	1
L1100 875W 40M	1.1	1	43	1	13	46	2
L1100 900W	1.4	1	37	1	5	32	4
L1100 925W	1.0	4	9	1	17	12	8
L1100 950W	1.2	1	133	1	1	34	1
L1100 975W	1.0	1	18	1	24	18	3
L1100 1000W	1.5	2	54	1	25	40	3
L1100 1025W	1.4	1	44	1	11	57	1
L1100 1050W	1.6	1	92	1	18	67	4
L1100 1075W	1.5	1	30	1	16	59	15
L1100 1100W	2.2	1	73	1	10	98	6
L1100 1125W	1.4	1	52	1	9	84	2
L1100 1150W	1.4	1	99	1	21	48	17
L1100 1175W	1.7	1	45	1	11	27	4
L1100 1200W	1.8	1	58	1	21	47	13
L1100 1225W	1.6	22	68	1	24	61	5
L1100 1250W	1.5	1	20	1	8	26	4
L1100 1275W	1.8	1	43	1	3	33	5
L1100 1300W	2.1	1	128	1	4	32	3
L1200 500W	N/S						
L1200 525W	N/S						

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-534S/P9+10

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L1200N 550W	1.2	6	40	1	26	60	12
L1200N 575W 40M	.5	1	70	1	32	75	9
L1200N 600W	1.7	1	141	1	3	49	10
L1200N 625W 40M	1.7	1	41	1	12	59	8
L1200N 650W	1.6	1	73	1	5	67	10
L1200N 675W	1.2	1	140	1	19	45	15
L1200N 700W	1.6	3	55	1	19	62	9
L1200N 725W 40M	1.8	1	95	1	11	54	11
L1200N 750W	1.5	181	68	1	14	216	9
L1200N 775W	2.0	1	92	1	10	71	5
L1200N 800W	1.7	1	92	1	8	57	12
L1200N 825W	N/S						
L1200N 850W 40M	1.3	1	26	1	23	41	4
L1200N 875W	1.4	1	43	1	1	23	7
L1200N 900W	1.8	1	85	1	8	38	4
L1200N 925W	.2	1	68	1	35	109	3
L1200N 950W	1.2	1	69	1	23	36	4
L1200N 975W	1.8	1	12	1	1	6	10
L1200N 1000W	2.1	1	121	1	1	52	6
L1200N 1025W	1.3	1	82	1	14	40	2
L1200N 1050W	1.6	1	31	1	12	31	13
L1200N 1075W	2.4	1	65	1	3	47	4
L1200N 1100W	2.0	1	70	1	6	46	2
L1200N 1125W	2.1	1	65	1	1	32	3
L1200N 1150W	1.8	1	71	1	1	46	5
L1200N 1175W	1.8	1	101	1	7	49	3
L1200N 1200W	1.9	1	129	1	6	50	2
L1200N 1225W 40M	1.8	1	124	1	5	57	8
L1200N 1250W	1.9	1	50	1	9	42	12
L1200N 1275W	2.4	1	90	1	3	42	10
L1200N 1300W	1.8	1	93	1	1	51	20
L1200N 1325W 40M	2.3	1	121	1	15	77	10
L1200N 1350W	2.0	1	211	1	8	55	8
L1200N 1375W	N/S						
L1200N 1400W	1.3	1	98	1	6	98	10
L1200N 1425W	1.9	1	64	1	4	77	15
L1200N 1450W 40M	1.6	1	54	1	12	71	10
L1200N 1475W	2.0	1	94	1	1	41	12
L1200N 1500W	2.0	11	24	1	16	20	10
L1200N 1525W	1.8	1	121	1	4	43	19
L1200N 1550W	1.8	1	76	1	1	40	8
L1200N 1575W	1.4	1	105	1	10	43	9
L1200N 1600W 40M	2.2	163	78	1	9	65	11
L1200N 1625W	2.2	1	53	1	3	49	20
L1200N 1650W	1.9	2	52	1	10	45	13
L1200N 1675W	1.4	10	180	1	18	72	46
L1200N 1700W	1.1	1	15	1	1	10	10
L1200N 1725W	1.6	1	43	1	14	48	8
L1200N 1750W	1.3	1	82	1	15	46	7
L1200N 1775W	1.6	6	38	1	13	34	25
L1200N 1800W	1.0	33	65	2	28	34	510
L1200N 1825W	1.4	1	76	1	12	68	14
L1200N 1850W	1.2	1	66	1	17	67	9
L1200N 1875W	1.7	1	39	1	16	44	20
L1200N 1900W	1.2	1	39	1	9	46	8
L1200N 1925W	1.3	4	68	1	14	50	12
L1200N 1950W 40M	.7	2	34	3	19	28	6
L1200N 1975W	.8	7	30	4	25	25	12
L1200N 2000W	.6	6	26	2	25	29	29
L1200N 2025W	.7	5	24	2	22	27	18

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-5349/P11+12

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L1200N 2050M	.8	5	28	1	23	27	5
L1200N 2075W	.5	1	32	1	20	34	10
L1200N 2100M	.8	1	107	4	22	59	7
L1300N 500W	N/S						
L1300N 525W	1.1	1	64	1	13	44	6
L1300N 550W	1.6	230	133	1	14	80	5
L1300N 575W	2.0	1	95	1	7	47	8
L1300N 600W	1.7	1	55	1	3	40	7
L1300N 625W	1.3	1	51	1	13	36	3
L1300N 650W	1.4	3	28	1	10	28	58
L1300N 675W 40M	1.8	14	91	1	15	101	20
L1300N 700W	1.5	1	114	1	17	62	5
L1300N 725W	1.9	8	68	1	11	104	68
L1300N 750W	2.5	1	22	1	3	20	10
L1300N 775W	1.9	1	107	1	7	100	5
L1300N 800W	N/S						
L1300N 825W	N/S						
L1300N 850W 40M	1.3	3	51	1	27	49	4
L1300N 875W	N/S						
L1300N 900W	2.2	1	141	1	13	88	9
L1300N 925W	2.4	1	99	1	10	54	8
L1300N 950W	1.1	1	49	1	8	211	2
L1300N 975W	1.5	1	62	1	21	46	4
L1300N 1000W	1.7	1	50	1	18	38	8
L1300N 1025W	1.9	1	41	1	1	37	43
L1300N 1050W 40M	1.1	1	99	1	13	57	3
L1300N 1075W	1.9	1	92	1	4	53	5
L1300N 1100W	1.9	1	111	1	4	57	6
L1300N 1125W	2.2	1	98	1	9	50	5
L1300N 1150W 20M	1.6	1	71	1	22	55	6
L1300N 1175W	1.0	1	19	2	20	27	6
L1300N 1200W	1.6	1	42	1	12	37	3
L1300N 1225W	1.7	1	45	1	11	33	4
L1300N 1250W	2.1	1	45	1	10	36	8
L1300N 1275W	1.9	1	106	1	8	51	3
L1300N 1300W	N/S						
L1400N 500W	N/S						
L1400N 525W	N/S						
L1400N 550W	N/S						
L1400N 575W	1.0	1	49	1	26	87	3
L1400N 600W	1.9	1	76	1	7	75	2
L1400N 625W	1.5	1	70	1	23	52	5
L1400N 650W	1.4	1	73	1	19	49	4
L1400N 675W	1.5	1	112	3	18	68	3
L1400N 700W	1.5	1	48	1	16	53	1
L1400N 725W	2.0	1	69	1	8	56	4
L1400N 750W	1.3	1	103	3	20	54	6
L1400N 775W	1.4	1	108	1	16	68	2
L1400N 800W	1.5	2	42	1	13	28	4
L1400N 825W	1.8	1	114	1	42	87	1
L1400N 850W	1.8	1	90	1	95	114	5
L1400N 875W	1.7	6	46	1	5	70	13
L1400N 900W	N/S						
L1400N 925W	.4	1	29	1	8	87	2
L1400N 950W	2.1	1	67	1	5	46	3
L1400N 975W	1.5	1	42	1	2	24	3
L1400N 1000W	2.4	1	106	1	5	47	4
L1400N 1025W	1.8	1	87	1	1	46	1
L1400N 1050W	1.6	1	100	1	8	92	1
L1400N 1075W	.8	1	71	3	15	352	3

PROJECT NO: B609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-5345/P13+14

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L1400N 1100W	2.1	1	46	1	5	44	5
L1400N 1125W	2.0	1	89	1	6	38	4
L1400N 1150W	1.9	1	73	1	7	39	2
L1400N 1175W	2.0	1	97	1	1	54	17
L1400N 1200W	N/S						
L1400N 1225W	1.6	1	133	1	1	47	4
L1400N 1250W 40M	1.3	1	42	1	9	36	3
L1400N 1275W	N/S						
L1400N 1300W	.8	13	137	2	19	38	24
L1400N 1325W 40M	1.8	1	69	1	13	39	10
L1400N 1350W	1.9	1	78	1	10	40	4
L1400N 1375W	1.9	1	74	1	5	41	2
L1400N 1400W 40M	1.6	1	50	1	5	42	5
L1400N 1425W	.7	1	48	1	50	29	1
L1400N 1450W	1.9	1	74	1	4	46	2
L1400N 1475W	2.0	1	64	1	1	50	12
L1400N 1500W	1.4	1	36	1	5	36	1
L1400N 1525W	1.4	1	54	1	10	37	6
L1400N 1550W	1.7	3	54	1	10	39	4
L1400N 1575W	1.5	1	47	1	13	43	20
L1400N 1600W	1.1	1	57	1	14	39	4
L1400N 1625W	1.8	58	76	1	16	52	2
L1400N 1650W	1.6	1	72	1	15	52	1
L1400N 1675W	1.7	1	68	1	14	42	3
L1400N 1700W	N/S						
L1400N 1725W 40M	1.6	1	74	1	24	43	6
L1400N 1750W	N/S						
L1400N 1775W	N/S						
L1400N 1800W	.8	1	67	3	26	44	1
L1400N 1825W	N/S						
L1400N 1850W	.3	1	54	3	25	43	4
L1400N 1875W	N/S						
L1400N 1900W	N/S						
L1400N 1925W	.3	1	16	1	2	9	7
L1400N 1950W 40M	.6	9	59	1	23	33	3
L1400N 1975W 40M	1.4	19	64	1	28	35	3
L1400N 2000W 40M	1.4	4	65	1	20	42	1
L1400N 2025W	1.3	27	56	1	26	36	1
L1400N 2050W 40M	1.1	17	57	2	20	39	2
L1400N 2075W	1.1	21	59	1	23	37	1
L1400N 2100W	1.1	12	91	1	20	34	6
L1400N 2125W	1.0	15	84	1	14	31	2
L1400N 2150W	.9	6	31	1	10	20	5
L1400N 2175W	.7	11	49	1	18	32	4
L1400N 2200W	.1	54	88	10	46	56	8
L1400N 2225W	.2	61	115	11	50	70	3
L1400N 2250W	N/S						
L1400N 2275W	.2	47	93	9	39	59	2
L1400N 2300W	.2	49	97	9	37	56	25
L1500N 500W	N/S						
L1500N 525W 40M	.9	1	96	1	6	46	3
L1500N 550W	1.1	11	76	1	26	48	1
L1500N 575W	1.6	76	110	1	13	43	4
L1500N 600W	1.3	1	59	1	12	46	2
L1500N 625W	1.5	1	124	1	11	60	1
L1500N 650W	1.4	1	22	1	10	43	3
L1500N 675W	1.1	2	35	1	22	48	1
L1500N 700W	1.3	1	45	1	1	54	2
L1500N 725W	1.5	1	95	1	15	50	3
L1500N 750W	1.3	1	110	1	8	46	1

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-534S/P15+16

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE:AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L1500 775W	.8	1	56	1	16	39	2
L1500 800W 40M	.7	1	100	1	20	42	3
L1500 825W	1.2	9	53	1	28	30	3
L1500 850W	.6	1	14	1	8	18	1
L1500 875W	.8	1	56	1	11	55	4
L1500 900W	1.1	1	112	1	15	61	6
L1500 925W	1.1	1	127	1	12	45	2
L1500 950W	1.6	1	170	1	7	54	2
L1500 975W	1.0	1	55	1	21	65	5
L1500 1000W	1.2	1	69	1	23	46	3
L1500 1025W	1.5	1	152	1	12	64	3
L1500 1050W	.7	1	83	1	23	80	4
L1500 1075W	1.1	1	54	1	3	43	1
L1500 1100W	1.5	1	87	1	3	51	2
L1500 1125W	1.1	1	135	1	1	90	1
L1500 1150W 20M	.1	1	358	7	22	54	1
L1500 1175W	1.6	1	67	1	5	54	6
L1500 1200W	1.8	15	196	1	6	43	5
L1500 1225W	1.5	1	75	1	7	49	2
L1500 1250W	1.5	1	85	1	11	42	1
L1500 1275W	1.8	1	66	1	14	44	4
L1500 1300W	N/S						
BL 900W 600N	N/S						
BL 900W 625N	1.1	65	94	1	22	71	13
BL 900W 650N	.7	31	59	1	15	134	3
BL 900W 675N	1.1	2	64	1	17	120	2
BL 900W 700N	N/S						
BL 900W 725N	N/S						
BL 900W 750N	N/S						
BL 900W 775N 40M	.8	59	76	1	20	97	7
BL 900W 800N	N/S						
BL 900W 825N	1.2	1	66	1	12	90	17
BL 900W 850N	1.3	1	49	1	16	159	15
BL 900W 875N	1.4	56	105	1	31	356	120
BL 900W 900N	N/S						
BL 900W 925N	1.6	1	50	1	10	76	8
BL 900W 950N	N/S						
BL 900W 975N	1.7	1	69	1	7	51	12
BL 900W 1000N	N/S						
BL 900W 1025N	1.2	13	29	1	8	36	9
BL 900W 1050N	.5	30	73	1	12	88	4
BL 900W 1075N	1.3	2	51	1	15	63	30
BL 900W 1100N	N/S						
BL 900W 1125N	1.5	1	95	1	4	47	5
BL 900W 1150N	2.1	1	37	1	8	27	10
BL 900W 1175N	1.4	1	73	1	11	41	2
BL 900W 1200N	N/S						
BL 900W 1225N	1.7	1	15	1	1	14	2
BL 900W 1250N 40	.3	1	77	2	28	119	2
BL 900W 1275N	1.8	1	82	1	6	80	1
BL 900W 1300N	N/S						
BL 900W 1325N	2.6	1	29	1	1	24	2
BL 900W 1350N	1.4	1	57	1	6	42	2
BL 900W 1375N	N/S						
BL 900W 1400N	N/S						
BL 900W 1425N	.1	22	80	2	26	111	2
BL 900W 1450N 40	1.0	10	94	3	21	86	2
BL 900W 1475N	1.1	5	77	2	20	50	1
BL 900W 1500N	N/S						
L1 00N	.1	27	38	2	35	52	1

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-5345/P17+18

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L1 25N	1.0	13	40	1	30	68	2
L1 50N 40M	.9	57	26	1	31	113	1
L1 75N	1.3	139	38	1	33	86	2
L1 100N	1.1	15	22	1	33	90	3
L1 125N 40M	1.5	19	47	1	30	67	1
L1 150N	.6	25	14	3	30	98	4
L1 175N	.8	185	34	6	74	176	3
L1 200N 40M	.6	52	10	3	35	123	4
L1 225N 40M	1.0	44	43	2	32	95	5
L1 250N	1.0	1	20	1	18	88	4
L1 275N	1.5	2	35	1	23	71	6
L1 300N 40M	1.3	1	31	1	24	76	3
L1 325N 40M	1.5	5	87	1	24	48	4
L1 350N	1.0	3	28	2	28	73	2
L1 375N	.9	1	21	1	21	46	1
L1 400N	.9	1	24	2	28	77	5
L1 425N	.9	1	29	2	25	44	2
L1 450N	1.4	4	62	1	27	45	3
L1 475N	.8	26	27	3	27	68	1
L1 500N	.8	125	16	2	25	68	2
L1 525N	.8	169	15	1	22	78	1
L1 550N	.5	5	21	2	30	58	4
L1 575N	1.0	1	30	1	29	54	2
L1 600N	.6	3	10	3	29	46	1
L1 625N	.7	24	22	1	19	57	1
L1 650N	.6	61	32	4	37	61	3
L1 675N	1.0	46	23	3	27	66	1
L1 700N	.6	121	22	5	38	59	1
L1 725N	1.0	48	14	3	37	43	2
L1 750N	.5	18	15	3	47	62	1
L1 775N	.4	66	10	5	34	41	5
L1 800N	.4	77	13	6	34	32	4
L1 825N	.9	164	62	6	37	71	5
L1 850N 40M	.7	84	20	7	37	66	3
L1 875N	N/S						
L1 900N 40M	.8	220	23	10	46	123	5
L1 925N	N/S						
L1 950N	.7	37	9	2	12	85	5
L1 975N	N/S						
L1 1000N 20M	.5	20	9	2	13	31	6
L1 1025N	N/S						
L1 1050N	.8	89	17	4	28	42	7
L1 1075N	N/S						
L1 1100N 40M	1.1	125	20	1	33	151	8
L1 1125N	N/S						
L1 1150N	.3	62	9	3	29	113	10
L1 1175N	N/S						
L1 1200N 40M	.5	56	21	5	38	76	6
L1 1225N	N/S						
L1 1250N	.6	34	3	4	29	70	4
L2 00N 40M	1.1	269	311	7	49	57	6
L2 10N	1.1	363	212	8	56	72	5
L2 20N 20M	1.0	459	224	9	52	70	5
L2 30N 40M	1.4	191	289	4	45	71	5
L2 40N 20M	7.5	412	539	7	54	96	22
L2 50N 20M	2.5	314	336	7	55	70	10
L2 60N 40M	2.6	193	510	9	74	63	100
L2 70N 40M	.9	213	377	9	49	83	9
L2 80N 40M	.9	196	227	5	40	73	5
L2 90N 40M	1.2	317	222	5	48	86	5

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-534S/P19+20

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L2 100N 40M	.7	282	139	7	42	92	5
L2 110N 40M	.9	289	221	6	47	89	7
L2 120N 40M	1.2	168	145	6	42	75	6
L1700W 500S	N/S						
L1700W 525S	N/S						
L1700W 550S	1.1	11	38	4	9	22	8
L1700W 575S	1.0	23	91	11	24	59	4
L1700W 600S 40M	.6	8	94	1	16	41	4
L1700W 625S	.5	17	65	6	21	44	9
L1700W 650S	.6	14	92	1	17	42	7
L1700W 675S	1.0	30	102	6	31	67	1
L1700W 700S	.5	20	138	4	19	44	5
L1700W 725S	.7	15	55	15	5	38	1
L1700W 750S	.9	13	42	4	12	32	15
L1700W 775S 40M	1.2	34	65	1	15	31	2
L1700W 800S	.9	4	66	1	14	49	12
L1700W 825S	1.0	18	145	6	14	61	10
L1700W 850S 40M	.9	1	127	1	5	35	2
L1700W 875S 40M	1.0	23	31	1	11	22	2
L1700W 900S	.8	26	83	1	19	34	26
L1700W 925S	1.0	32	96	3	31	42	9
L1700W 950S	.9	23	163	4	16	43	85
L1700W 975S	.9	26	76	1	17	30	10
L1700W 1000S	N/S						
L1700W 1025S	N/S						
L1700W 1050S	.1	1	6	3	13	70	2
L1700W 1075S	N/S						
L1700W 1100S 20M	.2	1	9	3	30	40	90
L1700W 1125S	1.4	32	77	1	14	16	5
L1700W 1150S	1.1	26	39	1	17	13	15
L1700W 1175S	.9	24	82	3	20	31	20
L1700W 1200S	.6	18	99	4	15	41	15
L1700W 1225S	1.2	17	120	3	19	37	12
L1700W 1250S	.8	25	103	2	19	36	10
L1700W 1275S	.9	15	67	2	14	23	5
L1700W 1300S	.5	24	28	3	15	15	5
L1700W 1325S	.9	18	165	4	19	40	3
L1700W 1350S	.1	4	21	2	11	14	12
L1700W 1375S	1.1	1	137	6	19	36	13
L1700W 1400S	.9	22	193	4	21	47	4
L1700W 1425S	1.0	26	189	5	20	53	8
L1700W 1450S	1.1	17	174	5	17	38	14
L1700W 1475S	.6	25	125	4	19	35	71
L1700W 1500S	.5	35	110	4	22	35	8
L1900W 500S	.6	19	101	4	19	52	5
L1900W 525S	.9	19	19	1	11	12	3
L1900W 550S	1.1	35	75	5	25	45	5
L1900W 575S 40M	.2	8	20	5	13	26	4
L1900W 600S	.6	22	70	9	26	36	77
L1900W 625S	.9	30	50	11	21	34	1
L1900W 650S	.2	19	59	12	30	49	49
L1900W 675S	.9	17	71	3	21	33	155
L1900W 700S	N/S						
L1900W 725S 40M	1.1	16	77	5	25	52	4
L1900W 750S	.5	49	51	7	41	35	5
L1900W 775S	.7	24	115	6	30	40	39
L1900W 800S	1.0	19	113	4	21	33	10
L1900W 825S 40M	1.4	55	81	4	29	34	9
L1900W 850S	N/S						
L1900W 875S	.8	1	85	12	17	35	10

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7N 1T2

FILE NO: 6-534S/P21

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L1900W 900S	.9	17	95	21	18	40	5
L1900W 925S	1.0	45	118	13	17	42	6
L1900W 950S	.5	15	43	16	14	30	1
L1900W 975S	.4	22	60	12	7	27	2
L1900W 1000S	1.1	14	139	6	6	40	15
L1900W 1025S	1.7	36	98	1	17	36	31
L1900W 1050S 40M	1.9	27	97	1	11	24	1
L1900W 1075S	1.0	5	99	4	8	27	2
L1900W 1100S	N/S						
L1900W 1125S	1.4	23	115	3	15	40	16
L1900W 1150S	.9	28	104	4	10	32	1
L1900W 1175S	1.2	28	173	3	18	53	1
L1900W 1200S	1.2	26	113	2	17	31	2
L1900W 1225S	.7	15	119	2	12	42	1
L1900W 1250S	.6	24	151	4	16	37	3
L1900W 1275S	1.6	51	210	8	33	59	10
L1900W 1300S	.2	36	166	3	22	37	3
L1900W 1325S	.3	30	238	4	19	44	9
L1900W 1350S	.2	25	164	6	18	35	8
L1900W 1375S	N/S						
L1900W 1400S	N/S						
L1900W 1425S	N/S						
L1900W 1450S	N/S						
L1900W 1475S	N/S						
L1900W 1500S	N/S						
L2000W 250S	.7	33	49	9	26	23	5
L2000W 275S	.3	37	52	1	24	19	10
L2000W 300S	.1	24	35	5	25	20	5
L2000W 325S	N/S						
L2000W 350S	N/S						

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-534S/P22

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L2000W 375S	N/S						
L2000W 400S	4.1	78	1030	11	21	53	38
L2000W 425S	1.4	65	35	8	16	18	5
L2000W 450S	N/S						
L2000W 475S	N/S						
L2000W 500S	1.4	17	102	3	25	46	8
L2100W 250S	.8	1	13	1	1	12	10
L2100W 275S	.5	22	80	2	23	40	11
L2100W 300S	.8	15	103	2	17	61	5
L2100W 325S	.7	21	15	1	13	13	6
L2100W 350S	N/S						
L2100W 375S	N/S						
L2100W 400S	N/S						
L2100W 425S	1.0	15	24	1	8	18	15
L2100W 450S	1.0	14	42	1	2	14	19
L2100W 475S	.7	29	54	5	27	39	14
L2100W 500S	.8	16	80	7	14	29	5
L2200W 250S	.8	20	74	1	21	36	4
L2200W 275S	N/S						
L2200W 300S	.9	42	34	1	21	22	31
L2200W 325S	.9	59	77	1	29	28	5
L2200W 350S	.8	12	110	1	16	50	12
L2200W 375S	.8	19	33	1	11	17	6
L2200W 400S	.5	14	114	3	17	49	7
L2200W 425S	1.0	20	129	5	21	67	5
L2200W 450S	.4	18	108	1	24	48	12
L2200W 475S	1.4	11	157	3	27	82	10
L2200W 500S	.3	25	46	3	13	36	4
L2300W 250S 40M	.8	9	21	6	9	18	5
L2300W 275S	.6	21	118	3	18	45	3
L2300W 300S	.5	29	74	8	23	33	4

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-534S/P23+24

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
L2300W 325S	.5	26	65	8	23	43	1
L2300W 350S	.5	40	73	6	27	37	2
L2300W 375S	.1	20	90	11	29	54	1
L2300W 400S	.6	19	60	4	20	31	3
L2300W 425S	.4	23	50	5	22	28	1
L2300W 450S	1.3	40	43	2	20	22	1
L2300W 475S	.7	28	86	5	26	44	5
L2300W 500S	.5	24	71	2	21	29	2
LS-1	.4	198	75	1	21	57	1
LS-2	1.0	1	71	1	6	47	2
L600E 500S	N/S						
L600E 525S	N/S						
L600E 550S	N/S						
L600E 575S	N/S						
L600E 600S	.5	1	7	1	3	27	1
L600E 625S	.2	17	5	4	22	34	1
L600E 650S	.4	30	11	4	26	35	1
L600E 675S	.1	42	7	5	20	31	2
L600E 700S	.7	1	8	1	1	24	3
L600E 725S	.3	1	24	1	14	41	1
L600E 750S	1.4	24	29	7	36	68	2
L600E 775S	.9	1	75	1	4	58	1
L600E 800S	.7	1	39	1	12	39	2
L600E 825S	.5	1	30	1	8	28	1
L600E 850S	.6	1	41	1	11	48	1
L600E 875S	.6	5	51	2	25	72	1
L600E 900S	.1	1	44	1	33	63	2
L600E 925S	.3	1	29	4	26	43	1
L600E 950S	.7	1	26	1	17	45	1
L600E 975S	1.2	1	29	1	19	54	1
L600E 1000S	.2	1	2	6	8	18	3
L600E 1025S	.5	1	12	3	14	26	1
L600E 1050S	.6	1	52	5	16	31	4
L600E 1075S	.8	1	22	1	15	39	1
L600E 1100S	.8	1	29	1	7	30	2
L600E 1125S	.5	1	22	2	14	26	2
L600E 1150S	.9	1	26	2	10	42	1
L600E 1175S	.9	1	62	1	6	50	1
L600E 1200S	1.1	1	34	1	3	51	3
L600E 1225S	.5	1	9	1	9	19	2
L600E 1250S	.8	1	65	2	25	47	2
L600E 1275S	.4	1	44	4	22	53	1
L600E 1300S	.5	1	30	1	12	56	3
L800E 500S	N/S						
L800E 525S	N/S						
L800E 550S	N/S						
L800E 575S	N/S						
L800E 600S	N/S						
L800E 625S	N/S						
L800E 650S	.9	1	6	2	13	56	2
L800E 675S	.4	1	7	2	16	57	3
L800E 700S	.6	1	15	3	17	73	2
L800E 725S	.7	1	35	5	11	44	3
L800E 750S	.7	16	20	8	28	37	1
L800E 775S	.7	7	48	10	46	78	1
L800E 800S	.5	1	31	8	29	57	1
L800E 825S	.4	9	15	8	34	37	1
L800E 850S	.9	1	20	1	1	34	2
L800E 875S	.8	1	40	3	13	34	1
L800E 900S	.4	10	10	4	12	22	2

PROJECT NO: 8609 LUPUS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-5349/P35

ATTENTION: C.J.WESTERMAN/C.VERLEY

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: AUGUST 2, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
BL900S 1100E	N/S						
BL900S 1125E	.1	19	44	3	19	71	2
BL900S 1150E 40M	.1	47	21	6	35	50	1
BL900S 1175E 40M	.6	65	30	6	34	88	3
BL900S 1200E	N/S						
BL900S 1225E	1.5	151	53	7	51	98	11
BL900S 1250E	.2	392	35	6	38	145	15
BL900S 1275E 40M	.9	933	37	8	110	399	18
BL900S 1300E	N/S						
BL900S 1325E 40M	.3	24	11	8	34	57	3
BL900S 1350E	.1	1	7	6	12	18	1
BL900S 1375E 40M	.1	15	4	6	31	37	1
BL900S 1400E	N/S						
BL900S 1425E	.4	4	24	4	29	72	1
BL900S 1450E	.5	3	14	4	18	36	2
BL900S 1475E	.4	9	14	5	23	36	1
BL900S 1500E	.7	78	28	4	20	48	1
BL900S 1525E	.8	2	12	3	21	93	2
BL900S 1550E	.5	1	21	3	19	61	1
BL900S 1575E	.6	1	9	2	11	32	1
BL900S 1600E	N/S						
BL900S 1625E	.6	1	34	2	16	61	1
BL900S 1650E	.4	1	26	1	25	71	2
BL900S 1675E	.8	1	24	1	16	144	1
BL900S 1700E	.7	1	19	1	17	92	1
BL900S 1725E	1.2	1	23	1	18	336	1
BL900S 1750E	.9	1	26	2	23	194	2
BL900S 1775E	1.4	1	19	1	5	156	1
BL900S 1800E	N/S						
B6WS26	1.6	198	81	1	4	145	1
L2000M 275S D20M	.1	19	70	19	39	55	4

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
1500W 500S	.5	8	46	5	30	42	1
1500W 525S	.6	10	36	4	28	31	2
1500W 550S	.7	5	36	2	12	28	18
1500W 575S	.6	4	37	3	12	29	3
1500W 600S	.8	1	10	1	1	14	2
1500W 625S	.5	1	17	1	8	14	2
1500W 650S	.7	1	61	3	16	37	3
1500W 675S	.5	8	82	4	25	47	1
1500W 700S	.7	18	98	4	25	53	5
1500W 725S	.8	21	61	5	26	32	3
1500W 750S	.6	17	63	4	22	28	2
1500W 775S	.7	13	127	5	22	46	12
1500W 800S	.8	10	132	5	23	45	38
1500W 825S	1.0	19	52	4	34	34	1
1500W 850S	.8	19	76	4	26	38	3
1500W 875S	.8	17	60	4	27	33	2
1500W 900S	.8	18	43	3	21	25	2
1500W 925S	1.0	15	37	3	18	19	1
1500W 950S	N/S						
1500W 975S	N/S						
1500W 1000S	1.4	19	40	3	22	17	6
1500W 1025S	N/S						
1500W 1050S	N/S						
1500W 1075S	1.0	30	88	5	25	31	2
1500W 1100S	1.3	21	112	5	20	44	4
1500W 1125S	1.2	22	114	7	27	50	3
1500W 1150S	1.3	21	129	6	28	36	2
1500W 1175S	N/S						
1500W 1200S	1.1	28	131	6	19	32	1
1500W 1225S	.7	15	41	4	16	17	1
1500W 1250S	.7	22	31	4	26	13	1
1500W 1275S	.9	23	152	5	25	26	3
1500W 1300S	.7	7	92	3	18	23	5
1500W 1325S	1.2	35	98	4	26	23	140
1500W 1350S	.5	15	117	6	18	29	4
1500W 1375S	.6	19	136	5	15	37	1
1500W 1400S	.4	10	120	8	18	34	3
1500W 1425S	.6	13	103	8	20	32	2
1500W 1450S	.8	9	230	6	21	44	4
1500W 1475S	.5	10	197	6	24	36	20
1500W 1500S	.7	8	234	6	29	40	67
1600W 500S	.7	4	19	1	11	14	2
1600W 525S	.7	7	43	3	19	37	2
1600W 550S	.5	9	41	8	24	36	10
1600W 575S	.7	19	55	4	28	26	3
1600W 600S	1.0	6	63	4	24	31	1
1600W 625S	1.4	7	22	4	8	33	3
1600W 650S 40M	.1	5	48	19	35	64	2
1600W 675S	.9	4	73	3	21	38	1
1600W 700S	1.0	13	89	3	22	52	2
1600W 725S	N/S						
1600W 750S	.7	13	117	5	30	55	19
1600W 775S	N/S						
1600W 800S	1.0	18	113	4	17	49	3
1600W 825S 40M	.2	21	94	5	32	65	1
1600W 850S	.7	21	133	4	25	50	4
1600W 875S	.9	25	158	5	30	67	3
1600W 900S	.9	10	79	3	19	37	1
1600W 925S 40M	1.1	34	68	4	33	33	2
1600W 950S	1.2	19	103	4	26	51	2

PROJECT NO: LUPUS 8609

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-S64S/P3+4

ATTENTION: C.J.WESTERMAN

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: AUGUST 7, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
1600W 975S	.8	35	108	2	31	43	3
1600W 1000S	.7	31	114	3	29	54	4
1600W 1025S	.8	22	86	2	30	37	2
1600W 1050S	.7	8	121	2	19	43	4
1600W 1075S 40M	.8	18	102	2	26	46	2
1600W 1100S	.6	27	38	1	16	25	3
1600W 1125S	N/S						
1600W 1150S	.7	20	180	2	22	33	12
1600W 1175S	N/S						
1600W 1200S	N/S						
1600W 1225S	1.2	10	109	1	17	30	3
1600W 1250S	1.3	15	92	2	20	41	9
1600W 1275S	1.0	36	111	2	22	31	2
1600W 1300S	1.2	24	131	2	28	38	6
1600W 1325S	.8	23	75	1	20	34	15
1600W 1350S	.8	28	104	2	23	46	7
1600W 1375S	1.0	21	149	2	25	48	2
1600W 1400S	1.0	22	129	3	22	44	23
1600W 1425S	1.3	13	60	2	19	20	13
1600W 1450S	1.4	27	100	4	24	41	1
1600W 1475S	.9	66	91	2	17	38	2
1600W 1500S	1.2	109	107	5	27	45	18
1800W 500S	.9	13	50	13	21	31	2
1800W 525S	.6	25	82	20	27	54	2
1800W 550S	.8	24	68	10	30	39	3
1800W 575S	.7	32	107	11	25	60	1
1800W 600S	.9	64	67	9	24	31	16
1800W 625S	.7	27	80	7	29	41	2
1800W 650S 40M	.5	1	94	11	25	44	161
1800W 675S	1.0	21	30	8	17	23	1
1800W 700S	.8	27	35	44	31	21	5
1800W 725S	.4	1	7	1	1	4	2
1800W 750S	.6	18	63	24	28	33	1
1800W 775S	.2	1	7	4	6	12	44
1800W 800S	.9	30	75	19	35	42	2
1800W 825S	.5	23	27	4	20	18	1
1800W 850S	.7	18	61	3	23	30	5
1800W 875S	.9	10	53	1	21	24	1
1800W 900S	.6	20	99	4	23	39	24
1800W 925S	.7	17	23	1	15	14	2
1800W 950S	1.0	32	62	5	20	25	5
1800W 975S	N/S						
1800W 1000S	N/S						
1800W 1025S	N/S						
1800W 1050S	.5	3	31	4	7	25	188
1800W 1075S	1.0	35	50	5	23	22	15
1800W 1100S	.9	26	74	4	21	34	4
1800W 1125S	1.0	10	55	3	12	25	4
1800W 1150S	1.1	27	129	4	23	53	8
1800W 1175S	1.2	53	101	6	35	26	7
1800W 1200S	2.8	16	140	4	26	29	2
1800W 1225S	1.3	22	25	1	16	7	10
1800W 1250S	1.0	25	42	1	17	15	3
1800W 1275S	.9	20	182	6	29	28	5
1800W 1300S	.9	22	187	10	23	36	2
1800W 1325S	1.0	8	93	4	16	25	1
1800W 1350S	1.6	20	137	3	21	34	5
1800W 1375S	1.3	20	55	1	11	20	2
1800W 1400S	1.1	17	191	5	20	43	8
1800W 1425S	.8	21	347	8	28	37	24

PROJECT NO: LUPUS 8609

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-5649/P5+6

ATTENTION: C.J.WESTERMAN

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: AUGUST 7, 1986

(VALUES IN PPM)	AG	AS	CU	MO	PB	ZN	AU-PPB
1800W 1450S	1.1	47	79	6	29	19	29
1800W 1475S	.6	23	150	6	27	33	8
1800W 1500S	1.4	22	139	4	25	33	15
2000W 525S	1.1	23	27	1	16	24	4
2000W 550S	1.6	65	12	1	45	23	2
2000W 575S	.2	16	36	26	17	32	1
2000W 600S	1.1	28	59	5	25	42	20
2000W 625S	1.1	13	30	11	9	22	23
2000W 650S	N/S						
2000W 675S	.7	6	13	6	6	8	15
2000W 700S	.7	7	12	23	9	9	5
2000W 725S 40M	.1	30	35	111	35	31	32
2000W 750S 20M	.7	1	59	28	4	35	25
2000W 775S 40M	.7	5	35	6	14	34	15
2000W 800S	1.0	29	39	3	22	18	8
2000W 825S	1.3	7	23	1	1	8	12
2000W 850S	N/S						
2000W 875S	.7	26	94	5	25	41	10
2000W 900S	.6	11	22	4	16	20	28
2000W 925S	1.2	19	103	4	29	47	4
2000W 950S	.9	12	102	3	18	37	10
2000W 975S	1.3	18	90	3	20	35	9
2000W 1000S	.6	6	91	7	18	38	12
2000W 1025S	1.0	6	49	2	5	19	9
2000W 1050S	1.9	15	68	5	16	34	12
2000W 1075S	1.9	47	77	5	35	33	44
2000W 1100S	1.4	30	94	4	23	51	4
2000W 1125S	1.1	16	97	6	16	24	7
2000W 1150S	.6	10	28	2	9	12	26
2000W 1175S	1.0	36	162	7	26	28	25
2000W 1200S	.6	79	289	8	31	29	45
2000W 1225S	1.1	24	174	8	34	51	12
2000W 1250S	1.4	24	122	6	27	27	24
2000W 1275S	1.3	22	164	10	22	33	15
2000W 1300S	.7	8	29	2	9	13	10
2000W 1325S	1.3	45	258	8	28	33	20

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604)980-5814 OR (604)980-4524

STATISTICAL SUMMARY ON AG

COMPANY: TERRANE RESOURCE MANAGEMENT
ATTN: C. J. WESTERMAN/C. VERLEY
PROJECT: 8609 LUPUS
FILE#: 6-534

DATE: AUGUST 4/86
SAMPLE TYPE: SOILS
ANALYSIS TYPE: ICP

NUMBER OF SAMPLES: 949
MAXIMUM VALUE: 7.50 PPM
MINIMUM VALUE: .10 PPM
MEAN: 1.08 PPM
STD. DEVIATION: .61 PPM
COEFF. OF VARIATION: .56

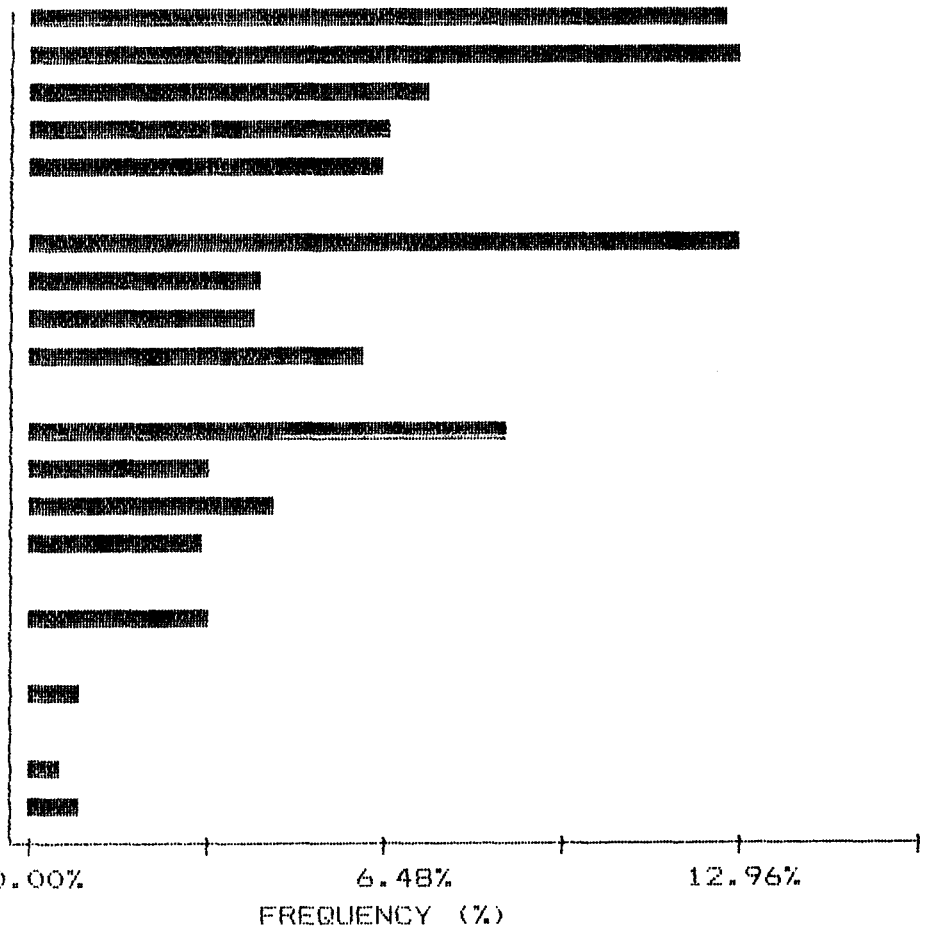
5 HIGHEST AG VALUES:
L2 40N 20M 7.5 PPM
L2000W 400S 4.1 PPM
L1300E 700S 3.5 PPM
L1000N 1450W 3.4 PPM
L1800E 825S 3.4 PPM

HISTOGRAM FOR AG

CLASS INTERVAL = .1

MID CLASS CLASS
PPM %

<	.50	12.75
	.55	12.96
	.65	7.38
	.75	6.64
	.85	6.53
	.95	0.00
	1.05	12.96
	1.15	4.32
	1.25	4.21
	1.35	6.22
	1.45	0.00
	1.55	8.75
	1.65	3.37
	1.75	4.53
	1.85	3.27
	1.95	0.00
	2.05	3.37
	2.15	0.00
	2.25	1.05
	2.35	0.00
	2.45	.63
>	2.50	1.05



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

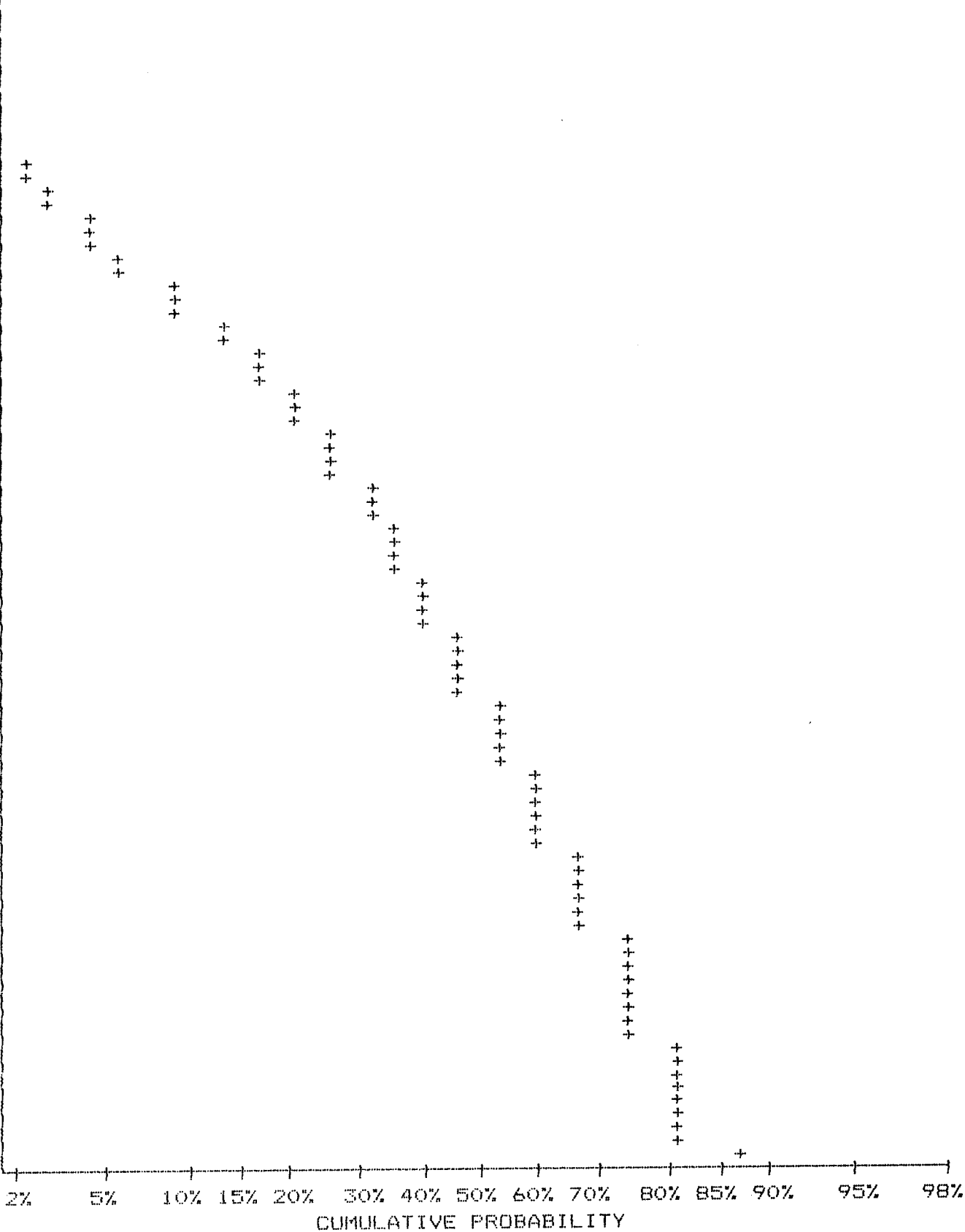
TELEX: 04-352828 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AG

COMPANY: TERRANE RESOURCE MANAGEMENT
 ATTN: C. J. WESTERMAN/C. VERLEY
 PROJECT: 8609 LUPUS
 FILE#: 6-534

DATE: AUGUST 4/86
 SAMPLE TYPE: SOILS
 ANALYSIS TYPE: ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
2.52	.84
2.42	1.16
2.32	1.79
2.22	2.11
2.13	2.85
2.05	4.64
1.96	6.22
1.88	9.48
1.81	9.48
1.73	14.01
1.66	17.39
1.60	21.71
1.53	21.71
1.47	26.13
1.41	26.13
1.35	32.35
1.30	36.56
1.24	36.56
1.19	40.89
1.15	40.89
1.10	47.10
1.05	47.10
1.01	47.10
.97	53.85
.93	53.85
.89	60.38
.86	60.38
.82	60.38
.79	67.02
.76	67.02
.73	67.02
.70	74.39
.67	74.39
.64	74.39
.62	74.39
.59	81.35
.57	81.35
.54	81.35
.52	81.35
.50	87.25



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AS

COMPANY: TERRANE RESOURCE MANAGEMENT
 ATTN: C.J. WESTERMAN/C. VERLEY
 PROJECT: 8609 LUPUS
 FILE#: 6-534

DATE: AUGUST 4/86
 SAMPLE TYPE: SOILS
 ANALYSIS TYPE: ICP

NUMBER OF SAMPLES: 949
 MAXIMUM VALUE: 2023.00 PPM
 MINIMUM VALUE: 1.00 PPM
 MEAN: 23.94 PPM
 STD. DEVIATION: 96.13 PPM
 COEFF. OF VARIATION: 4.02

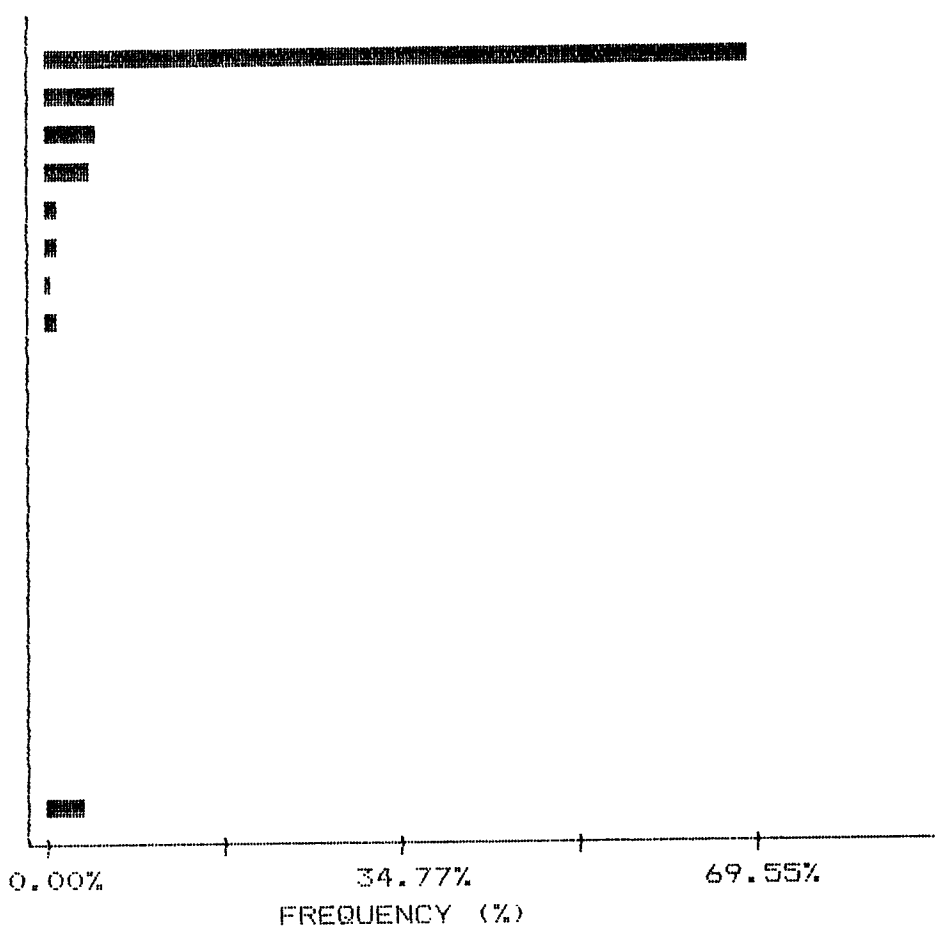
5 HIGHEST AS VALUES:
 BL 900S 1075E 2023 PPM
 L1800E 825S 967 PPM
 BL900S 1275E 40M 933 PPM
 L900N 850W 497 PPM
 L2 20N 20M 459 PPM

HISTOGRAM FOR AS

CLASS INTERVAL = 7.5

MID CLASS	CLASS
PPM	%

< 1.00	.11
4.75	69.55
12.25	7.06
19.75	5.69
27.25	4.95
34.75	1.79
42.25	1.37
49.75	1.16
57.25	1.48
64.75	.63
72.25	.42
79.75	.53
87.25	.42
94.75	.11
102.25	.11
109.75	0.00
117.25	.21
124.75	.21
132.25	0.00
139.75	.11
147.25	.11
> 151.00	4.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604) 980-5814 OR (604) 988-4524

CUMMULATIVE PROBABILITY PLOT ON AS

COMPANY: TERRANE RESOURCE MANAGEMENT

DATE: AUGUST 4/86

ATTN: C. J. WESTERMAN/C. VERLEY

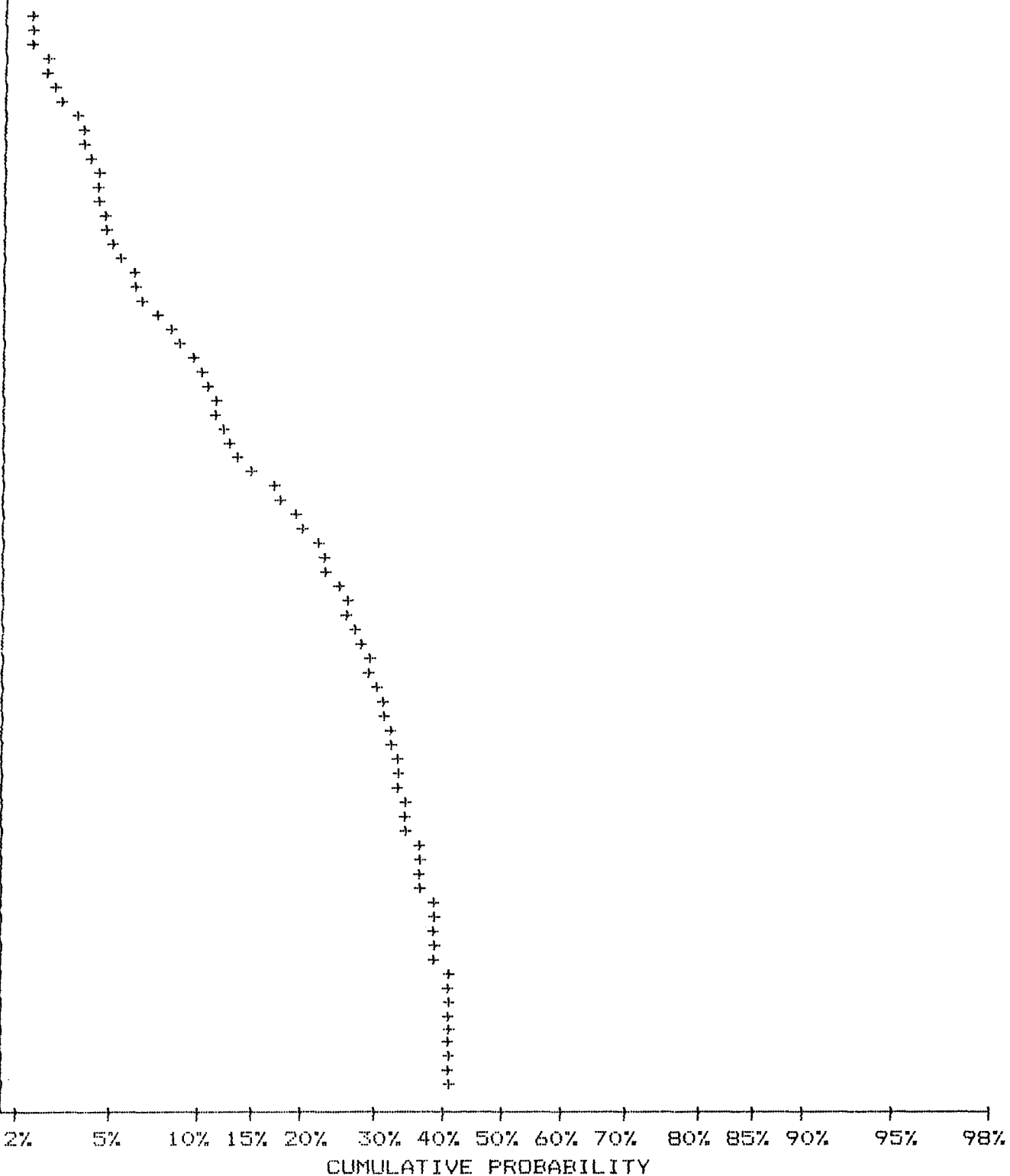
SAMPLE TYPE: SOILS

PROJECT: 8609 LUPUS

ANALYSIS TYPE: ICP

FILE#: 6-534

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
313.33	1.58
270.40	2.11
233.35	2.21
201.37	2.63
173.78	3.48
149.97	4.11
129.42	4.32
111.69	4.74
96.38	4.85
83.18	5.37
71.78	6.32
61.94	6.95
53.46	8.43
46.13	9.59
39.81	10.75
34.36	11.91
29.65	13.38
25.59	15.28
22.08	18.44
19.06	20.44
16.44	23.39
14.19	25.40
12.25	26.87
10.57	28.77
9.12	29.40
7.87	31.61
6.79	32.35
5.86	33.51
5.06	33.51
4.37	35.51
3.77	37.20
3.25	37.20
2.81	39.20
2.42	39.20
2.09	39.20
1.80	41.83
1.56	41.83
1.34	41.83
1.16	41.83
1.00	99.89



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604) 980-5814 OR (604) 988-4524

STATISTICAL SUMMARY ON CU

COMPANY: TERRANE RESOURCE MANAGEMENT
 ATTN: C. J. WESTERMAN/C. VERLEY
 PROJECT: 8609 LUFUS
 FILE#: 6-534

DATE: AUGUST 4/86
 SAMPLE TYPE: SOILS
 ANALYSIS TYPE: ICP

NUMBER OF SAMPLES: 949
 MAXIMUM VALUE: 1030.00 PPM
 MINIMUM VALUE: 1.00 PPM
 MEAN: 56.02 PPM
 STD. DEVIATION: 59.69 PPM
 COEFF. OF VARIATION: 1.07

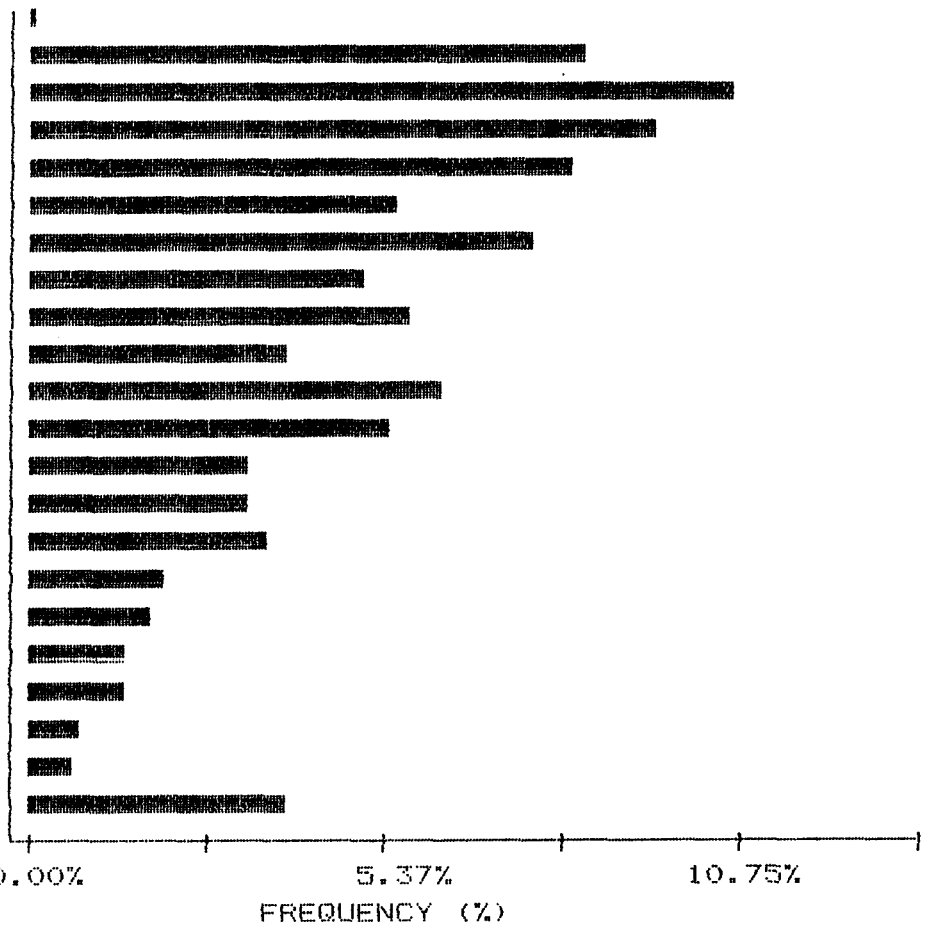
5 HIGHEST CU VALUES:
 L2000W 400S 1030 PPM
 L2 40N 20M 539 PPM
 L2 60N 40M 510 PPM
 L2 70N 40M 377 PPM
 L1500N 1150W 20M 358 PPM

HISTOGRAM FOR CU

CLASS INTERVAL = 7

MID CLASS	CLASS
PPM	%

< 1.00	.11
4.50	8.43
11.50	10.75
18.50	9.48
25.50	8.22
32.50	5.58
39.50	7.69
46.50	5.16
53.50	5.80
60.50	4.00
67.50	6.32
74.50	5.48
81.50	3.37
88.50	3.37
95.50	3.69
102.50	2.11
109.50	1.90
116.50	1.48
123.50	1.48
130.50	.84
137.50	.74
> 141.00	4.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

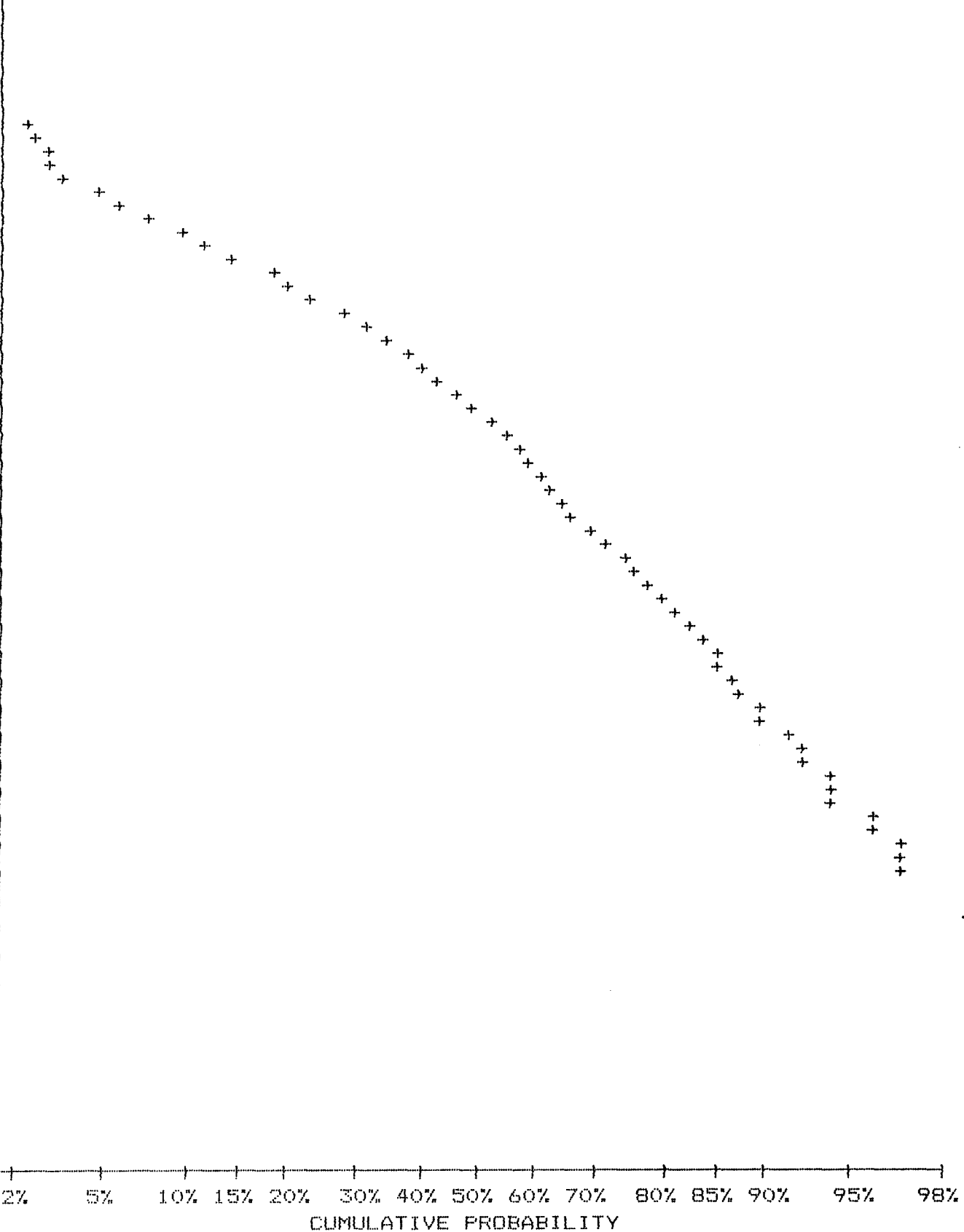
TELEX: 04-352828 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON CU

COMPANY: TERRANE RESOURCE MANAGEMENT
 ATTN: C. J. WESTERMAN/C. VERLEY
 PROJECT: 8609 LUPUS
 FILE#: 6-534

DATE: AUGUST 4/86
 SAMPLE TYPE: SOILS
 ANALYSIS TYPE: ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
218.78	1.37
190.55	2.00
165.96	2.74
144.54	3.69
125.89	6.01
109.65	9.80
95.50	14.65
83.18	20.76
72.44	28.03
63.10	35.51
54.95	40.99
47.86	47.21
41.69	52.58
36.31	57.53
31.62	61.12
27.54	65.02
23.99	69.65
20.89	74.18
18.20	77.34
15.85	80.82
13.80	83.98
12.02	85.14
10.47	87.67
9.12	89.46
7.94	92.41
6.92	93.89
6.03	93.89
5.25	95.89
4.57	96.84
3.98	98.21
3.47	98.21
3.02	98.21
2.63	98.84
2.29	98.84
2.00	99.37
1.74	99.37
1.51	99.37
1.32	99.37
1.15	99.37
1.00	99.89



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON MO

COMPANY: TERRANE RESOURCE MANAGEMENT

DATE: AUGUST 4/86

ATTN: C. J. WESTERMAN/C. VERLEY

SAMPLE TYPE: SOILS

PROJECT: 8609 LUPUS

ANALYSIS TYPE: ICP

FILE#: 6-534

NUMBER OF SAMPLES: 949
MAXIMUM VALUE: 21.00 PPM
MINIMUM VALUE: 1.00 PPM
MEAN: 2.68 PPM
STD. DEVIATION: 2.54 PPM
COEFF. OF VARIATION: .95

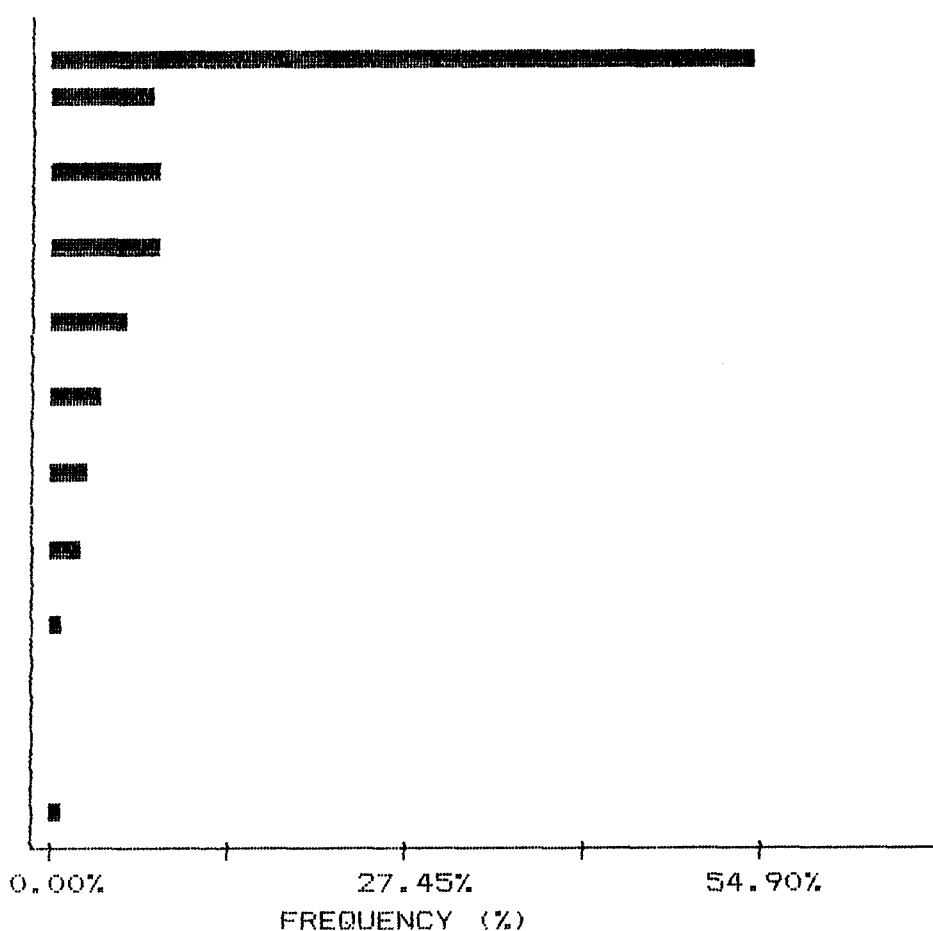
5 HIGHEST MO VALUES:
L1900W 900S 21 PPM
L2000W 275S D20M 19 PPM
L1900W 930S 16 PPM
L1700W 725S 15 PPM
L1900W 925S 13 PPM

HISTOGRAM FOR MO

CLASS INTERVAL = .5

MID CLASS CLASS
PPM %

<	1.00	.11
	1.25	54.90
	1.75	8.01
	2.25	0.00
	2.75	8.85
	3.25	0.00
	3.75	8.64
	4.25	0.00
	4.75	6.22
	5.25	0.00
	5.75	4.21
	6.25	0.00
	6.75	3.16
	7.25	0.00
	7.75	2.95
	8.25	0.00
	8.75	1.26
	9.25	0.00
	9.75	.42
	10.25	0.00
	10.75	.21
>	11.00	1.05



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

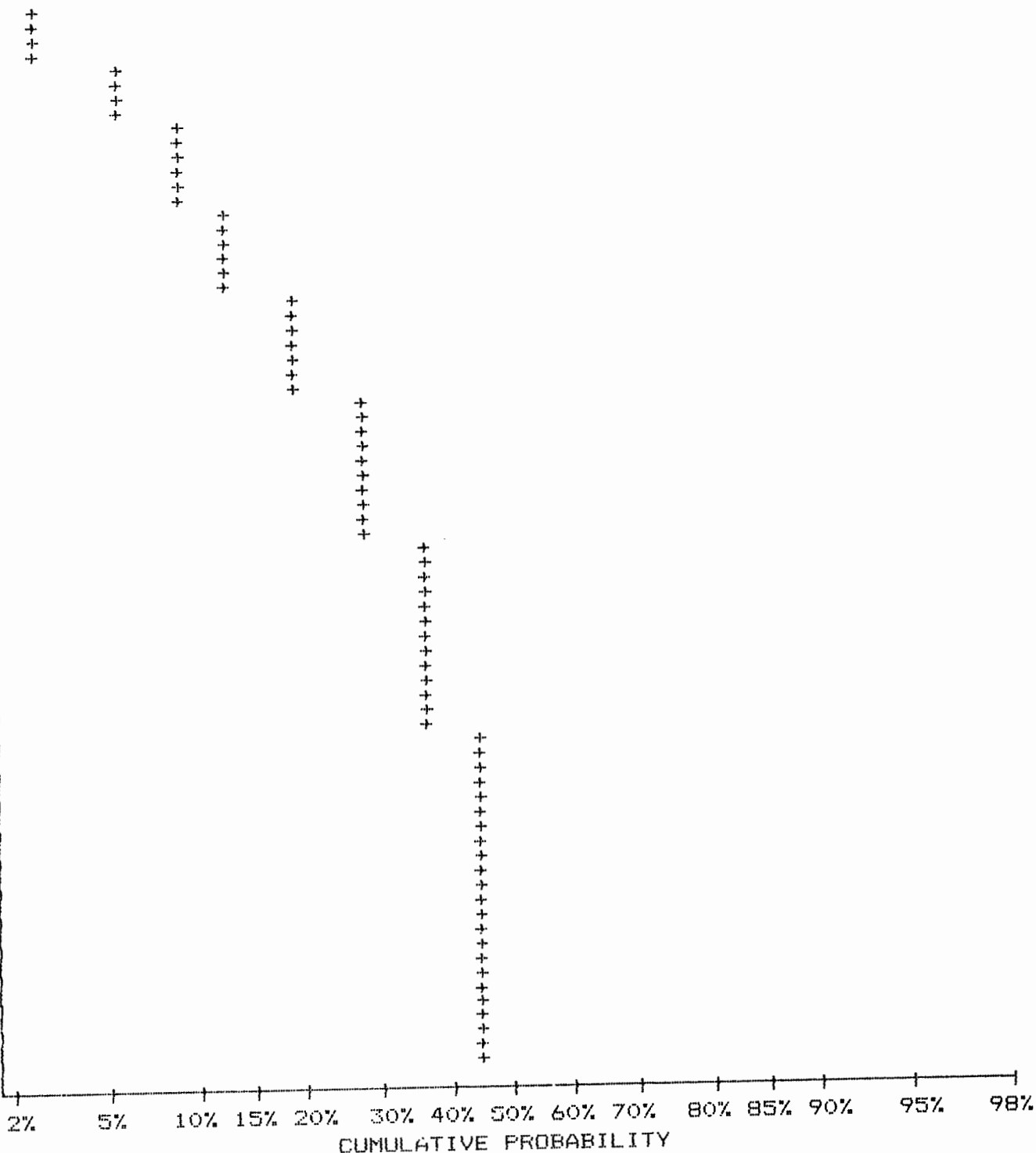
TELEX: 04-352828 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON MO

COMPANY: TERRANE RESOURCE MANAGEMENT
 ATTN: C. J. WESTERMAN/C. VERLEY
 PROJECT: 8609 LUPUS
 FILE#: 6-534

DATE: AUGUST 4/86
 SAMPLE TYPE: SOILS
 ANALYSIS TYPE: ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
10.33	1.37
9.73	1.79
9.16	1.79
8.63	3.06
8.13	3.06
7.66	6.01
7.21	6.01
6.79	9.17
6.40	9.17
6.03	9.17
5.68	13.38
5.35	13.38
5.04	13.38
4.74	19.60
4.47	19.60
4.21	19.60
3.96	28.24
3.73	28.24
3.52	28.24
3.31	28.24
3.12	28.24
2.94	37.09
2.77	37.09
2.61	37.09
2.46	37.09
2.31	37.09
2.18	37.09
2.05	37.09
1.93	45.10
1.82	45.10
1.71	45.10
1.61	45.10
1.52	45.10
1.43	45.10
1.35	45.10
1.27	45.10
1.20	45.10
1.13	45.10
1.06	45.10
1.00	99.89



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON PB

COMPANY: TERRANE RESOURCE MANAGEMENT
 ATTN: C. J. WESTERMAN/C. VERLEY
 PROJECT: 8609 LUPUS
 FILE#: 6-534

DATE: AUGUST 4/86
 SAMPLE TYPE: SOILS
 ANALYSIS TYPE: ICP

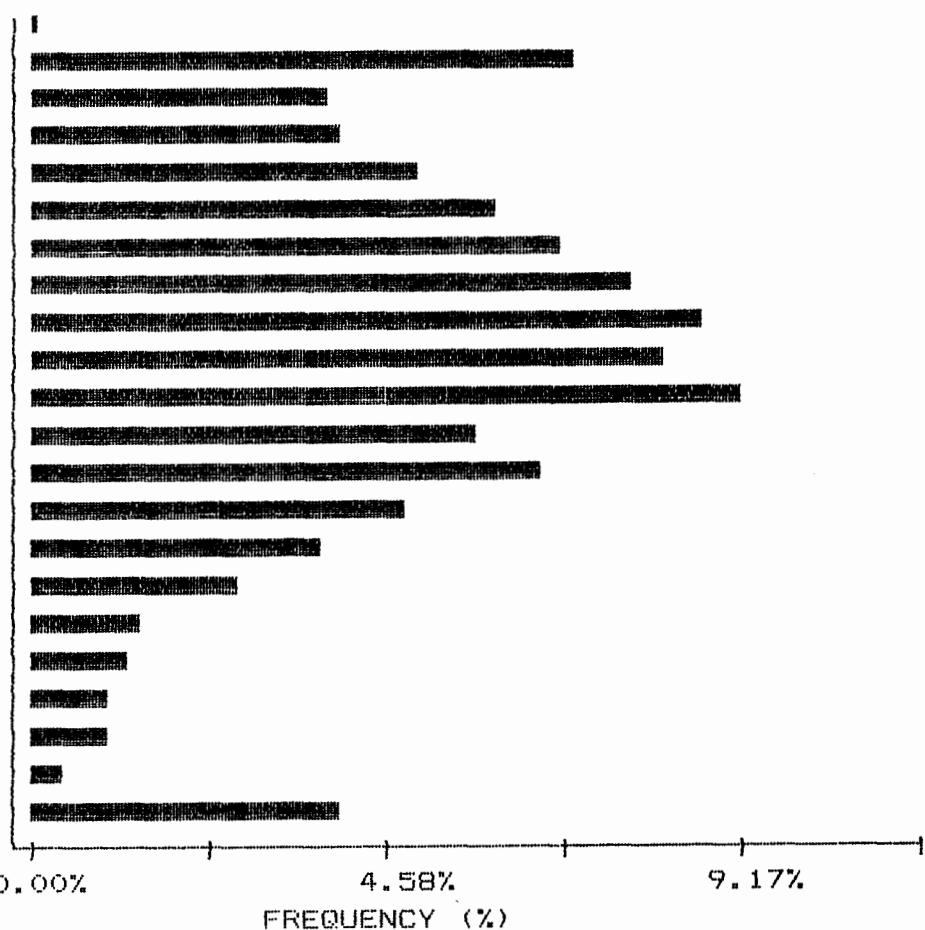
NUMBER OF SAMPLES: 949
 MAXIMUM VALUE: 832.00 PPM
 MINIMUM VALUE: 1.00 PPM
 MEAN: 19.83 PPM
 STD. DEVIATION: 29.79 PPM
 COEFF. OF VARIATION: 1.50

5 HIGHEST PB VALUES:
 L1800E 850S 832 PPM
 L1600E 825S 161 PPM
 L1300E 825S 149 PPM
 L1400E 825S 145 PPM
 BL900S 1275E 40M 110 PPM

HISTOGRAM FOR PB CLASS INTERVAL = 2

MID CLASS	CLASS
PPM	%

<	1.00	.11
	2.00	7.06
	4.00	3.90
	6.00	4.00
	8.00	5.06
	10.00	6.01
	12.00	6.85
	14.00	7.80
	16.00	8.75
	18.00	8.22
	20.00	9.17
	22.00	5.80
	24.00	6.64
	26.00	4.85
	28.00	3.79
	30.00	2.74
	32.00	1.48
	34.00	1.26
	36.00	1.05
	38.00	1.05
	40.00	.42
>	41.00	4.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON PB

COMPANY: TERRANE RESOURCE MANAGEMENT

DATE: AUGUST 4/86

ATTN: C. J. WESTERMAN/C. VERLEY

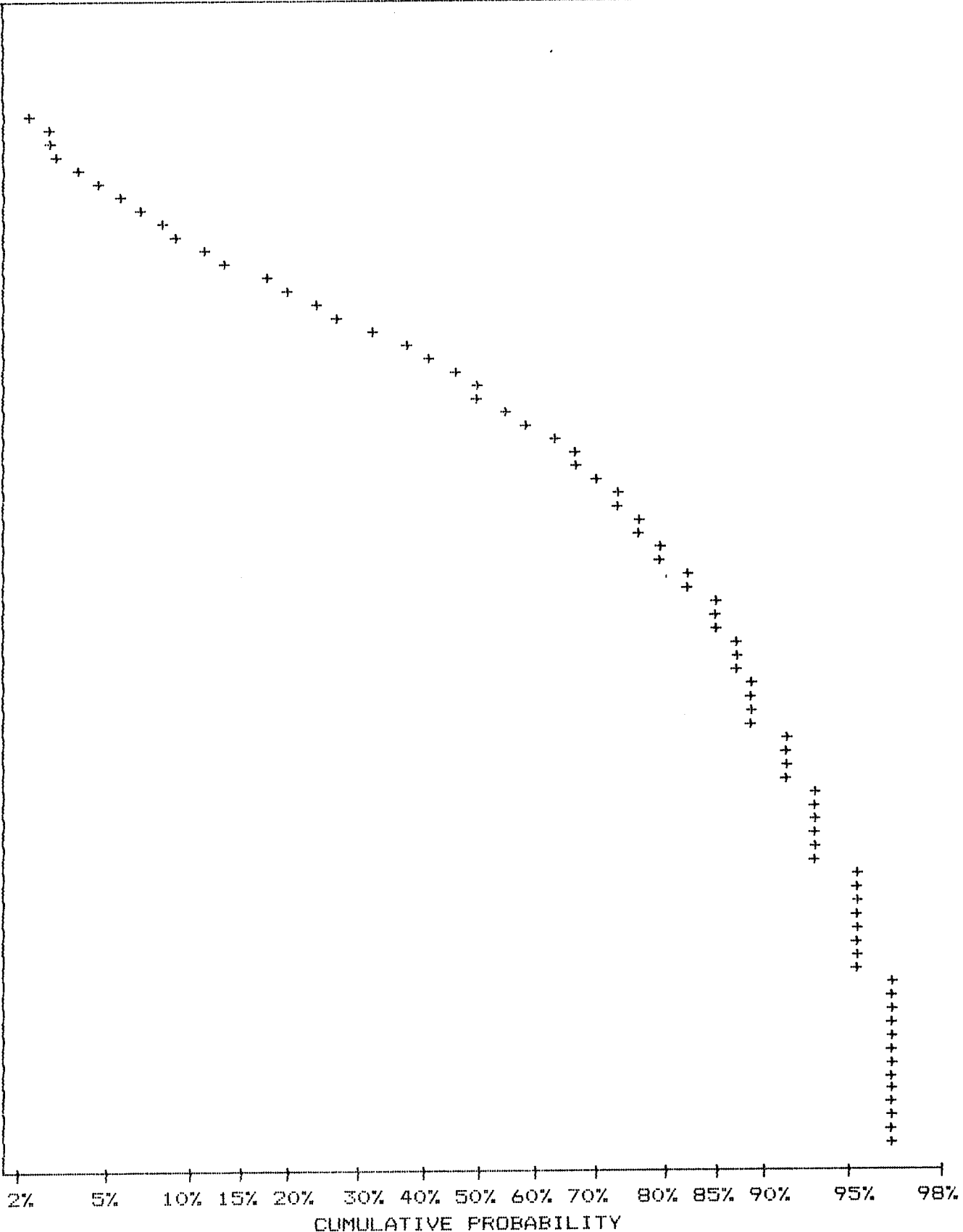
SAMPLE TYPE: SOILS

PROJECT: 8609 LUPUS

ANALYSIS TYPE: ICP

FILE#: 6-534

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
52.00	1.58
46.99	2.74
42.46	3.48
38.37	4.95
34.67	7.27
31.33	9.38
28.31	13.59
25.59	20.76
23.12	27.40
20.89	38.15
18.88	46.36
17.06	50.58
15.42	59.33
13.93	67.12
12.59	70.81
11.38	73.97
10.28	76.92
9.29	79.98
8.40	82.51
7.59	85.04
6.86	87.14
6.19	87.14
5.60	89.04
5.06	89.04
4.57	91.25
4.13	91.25
3.73	92.94
3.37	92.94
3.05	92.94
2.75	95.36
2.49	95.36
2.25	95.36
2.03	95.36
1.84	96.42
1.66	96.42
1.50	96.42
1.36	96.42
1.23	96.42
1.11	96.42
1.00	99.89



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON ZN

COMPANY: TERRANE RESOURCE MANAGEMENT
ATTN: C. J. WESTERMAN/C. VERLEY
PROJECT: 8609 LUPUS
FILE#: 6-534

DATE: AUGUST 4/86
SAMPLE TYPE: SOILS
ANALYSIS TYPE: ICP

NUMBER OF SAMPLES: 949
MAXIMUM VALUE: 944.00 PPM
MINIMUM VALUE: 6.00 PPM
MEAN: 59.18 PPM
STD. DEVIATION: 59.69 PPM
COEFF. OF VARIATION: 1.01

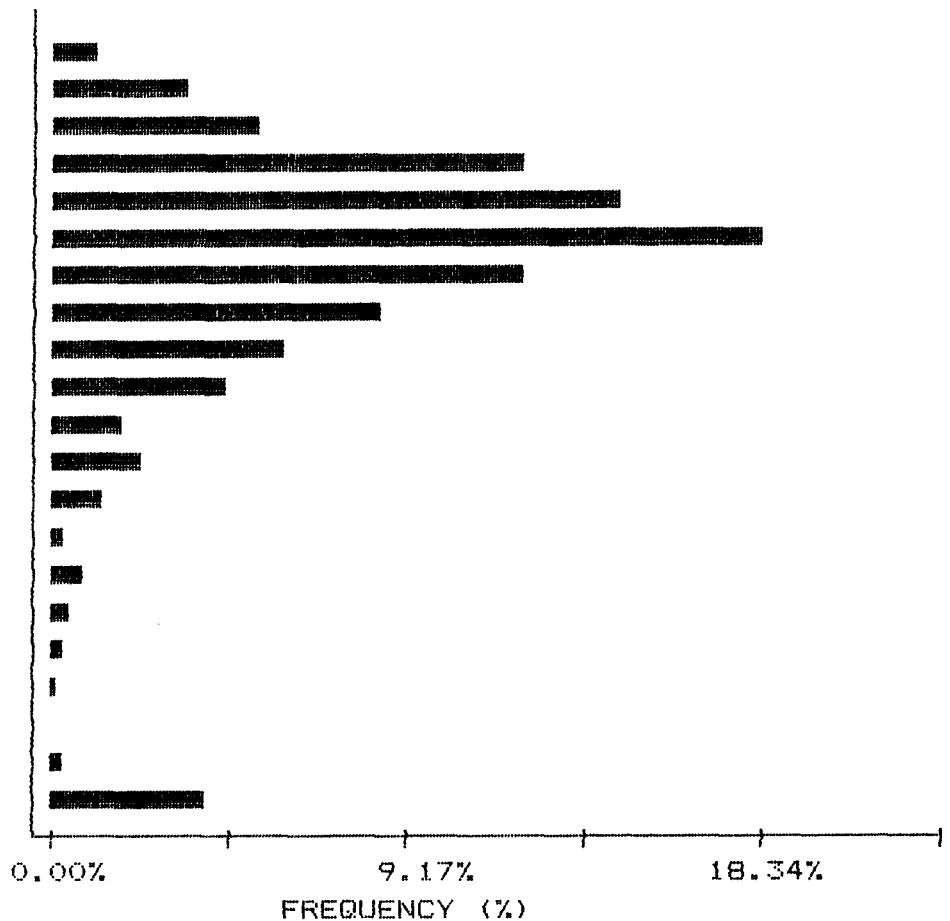
5 HIGHEST ZN VALUES:
L900N 850W 944 PPM
L1300E 900S 581 PPM
L1800E 850S 558 PPM
L1300E 825S 445 PPM
L1600E 825S 445 PPM

HISTOGRAM FOR ZN

CLASS INTERVAL = 7.2

MID CLASS CLASS
PPM %

<	6.00	.11
	9.60	1.26
	16.80	3.58
	24.00	5.48
	31.20	12.22
	38.40	14.75
	45.60	18.34
	52.80	12.33
	60.00	8.64
	67.20	6.01
	74.40	4.53
	81.60	1.90
	88.80	2.42
	96.00	1.48
	103.20	.42
	110.40	.84
	117.60	.53
	124.80	.42
	132.00	.32
	139.20	0.00
	146.40	.42
>	150.00	4.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604) 980-5814 OR (604) 988-4524

CUMMULATIVE PROBABILITY PLOT ON ZN

COMPANY: TERRANE RESOURCE MANAGEMENT

DATE: AUGUST 4/86

ATTN: C. J. WESTERMAN/C. VERLEY

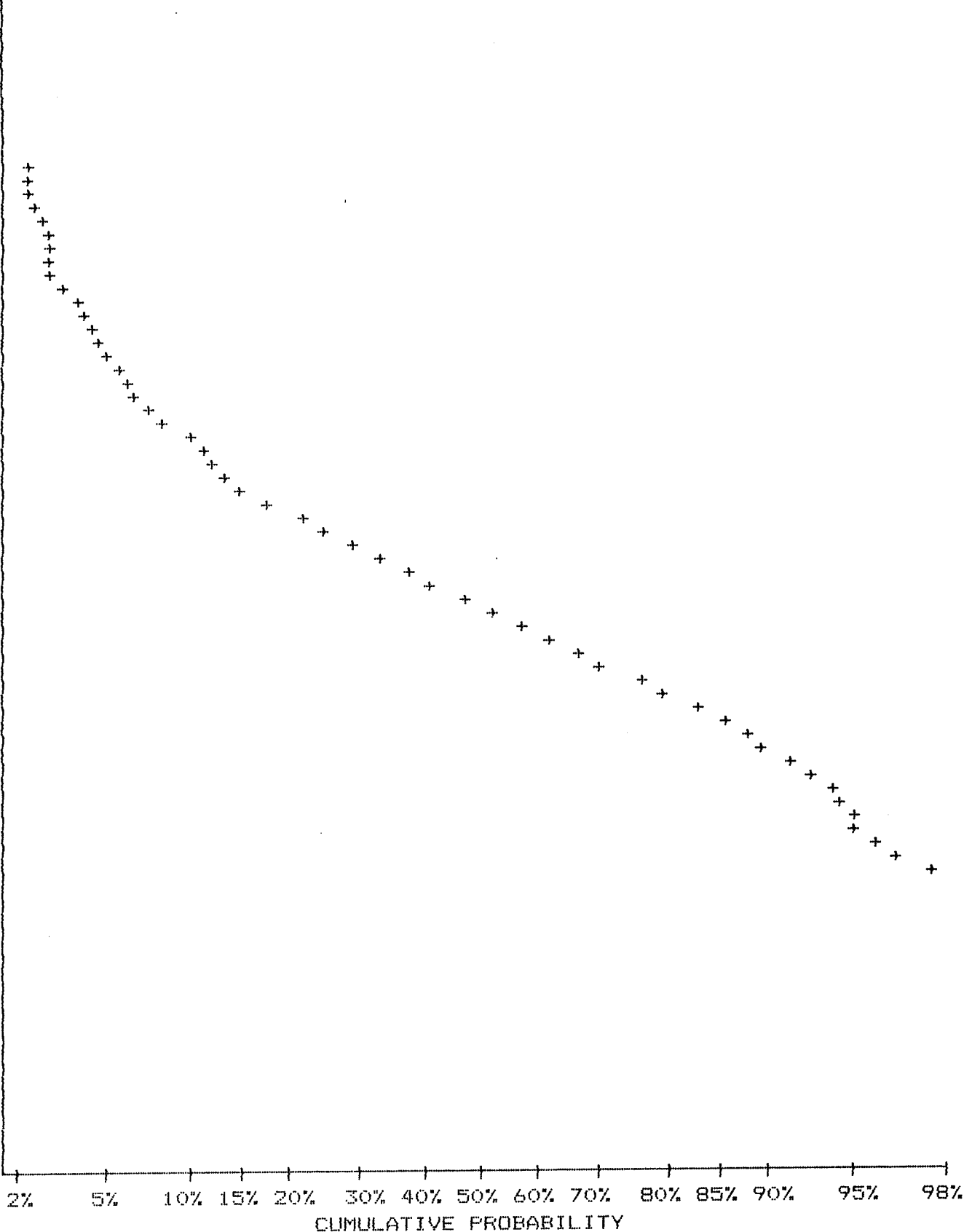
SAMPLE TYPE: SOILS

PROJECT: 8609 LUFUS

ANALYSIS TYPE: ICP

FILE#: 6-534

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
312.00	1.26
281.93	1.69
254.77	1.90
230.23	2.11
208.04	2.42
188.00	2.85
169.88	3.16
153.52	3.79
138.73	4.53
125.36	4.95
113.28	5.90
102.37	6.85
92.50	8.54
83.59	11.49
75.53	14.12
68.26	18.55
61.68	25.08
55.74	33.61
50.37	42.36
45.52	53.32
41.13	62.70
37.16	70.18
33.59	79.56
30.35	85.88
27.43	89.67
24.78	92.83
22.40	94.31
20.24	95.15
18.29	96.42
16.52	98.10
14.93	98.42
13.49	98.74
12.19	99.05
11.02	99.37
9.96	99.79
9.00	99.79
8.13	99.89
7.35	99.89
6.64	99.89
6.00	99.89



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AU

COMPANY: TERRANE RESOURCE MANAGEMENT
ATTN: C. J. WESTERMAN/C. VERLEY
PROJECT: 8609 LUPUS
FILE#: 6-534

DATE: AUGUST 4/86
SAMPLE TYPE: SOILS
ANALYSIS TYPE: ICP

NUMBER OF SAMPLES: 949
MAXIMUM VALUE: 975.00 PPB
MINIMUM VALUE: 1.00 PPB
MEAN: 8.49 PPB
STD. DEVIATION: 43.06 PPB
COEFF. OF VARIATION: 5.07

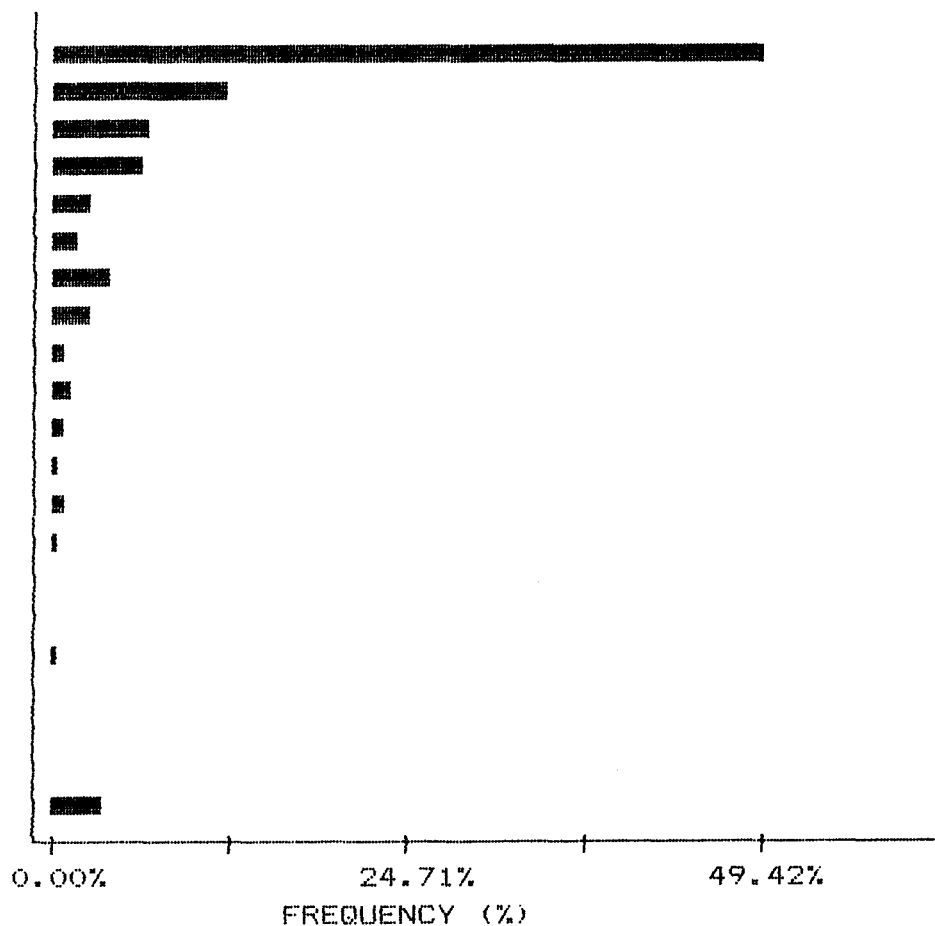
5 HIGHEST AU VALUES:
L900N 1175W 975 PPB
L900N 950W 520 PPB
L1200N 1800W 510 PPB
L1400E 825S 370 PPB
BL 900S 1075E 210 PPB

HISTOGRAM FOR AU

CLASS INTERVAL = 1.15

MID CLASS	CLASS
PPB	%

<	1.00	.11
	1.58	49.42
	2.73	12.43
	3.88	7.17
	5.03	6.64
	6.18	3.06
	7.33	2.00
	8.48	4.32
	9.63	3.06
	10.78	.95
	11.93	1.69
	13.08	1.16
	14.23	.63
	15.38	1.26
	16.53	.63
	17.68	.21
	18.83	.32
	19.98	.74
	21.13	0.00
	22.28	.11
	23.43	.11
>	24.00	4.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

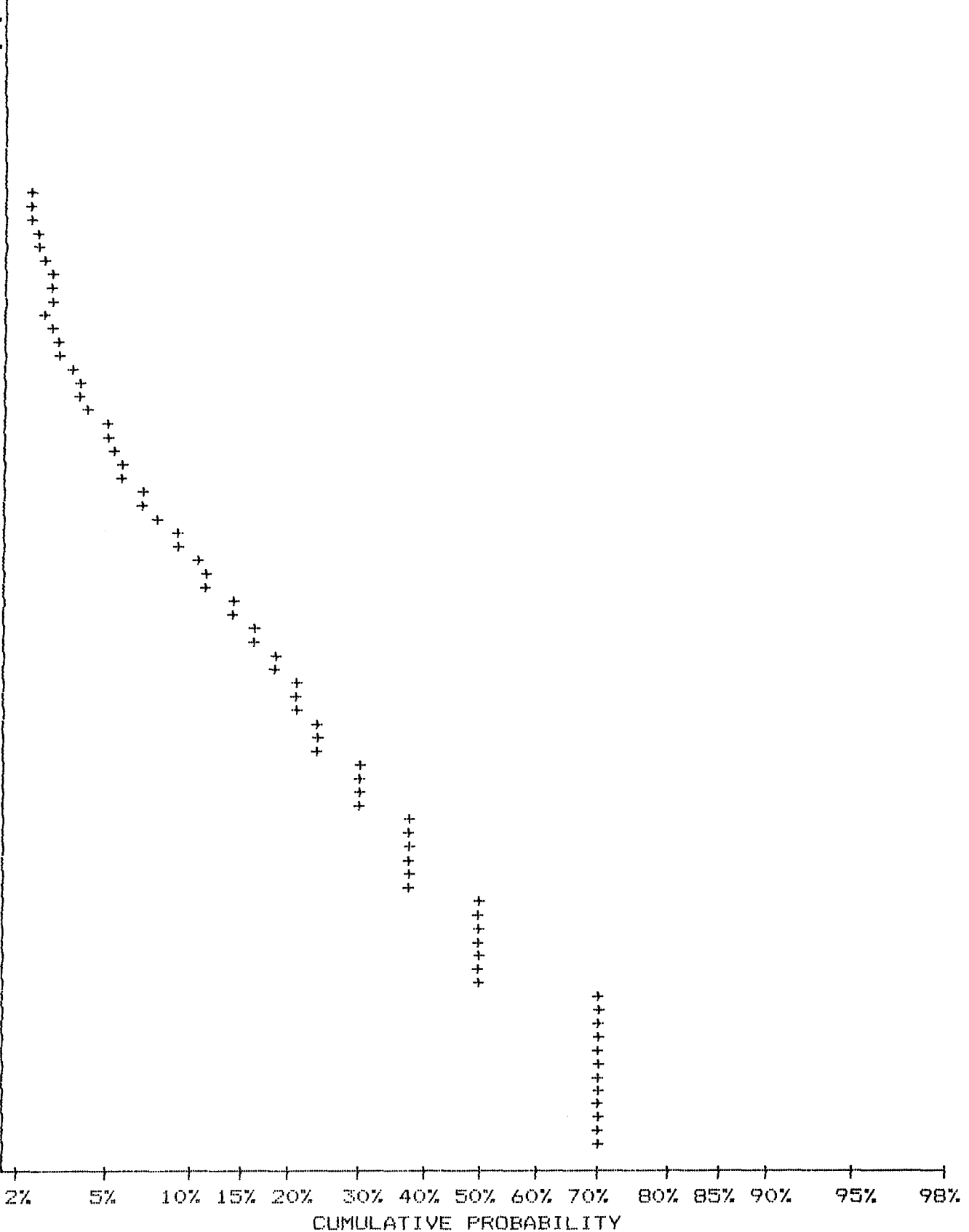
TELEX: 04-352828 PHONE: (604) 980-5814 OR (604) 988-4524

CUMMULATIVE PROBABILITY PLOT ON AU

COMPANY: TERRANE RESOURCE MANAGEMENT
 ATTN: C. J. WESTERMAN/C. VERLEY
 PROJECT: 8609 LUPUS
 FILE#: 6-534

DATE: AUGUST 4/86
 SAMPLE TYPE: SOILS
 ANALYSIS TYPE: ICP

UPPER LIMIT (PPB)	CUMMUL. FREQ. (%)
74.47	1.26
66.68	1.69
59.70	1.69
53.46	1.90
47.86	2.11
42.86	2.32
38.37	2.53
34.36	2.85
30.76	3.06
27.54	3.48
24.66	4.00
22.08	4.21
19.77	5.06
17.70	5.58
15.85	6.22
14.19	7.48
12.71	9.27
11.38	10.96
10.19	11.91
9.12	14.96
8.17	16.75
7.31	19.28
6.55	21.29
5.86	24.34
5.25	24.34
4.70	30.98
4.21	30.98
3.77	38.15
3.37	38.15
3.02	38.15
2.70	50.58
2.42	50.58
2.17	50.58
1.94	70.60
1.74	70.60
1.56	70.60
1.39	70.60
1.25	70.60
1.12	70.60
1.00	99.89



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE: (604)980-5814 OR (604)988-4524

CORRELATION COEFFICIENTS

COMPANY: TERRANE RESOURCE MANAGEMENT
ATTN: C. J. WESTERMAN/C. VERLEY
PROJECT: 8609 LUPUS
FILE#: 6-534

DATE: AUGUST 4/86
SAMPLE TYPE: SOILS
ANALYSIS TYPE: ICP

THE TABLE BELOW REPRESENTS THE PEARSON CORRELATION MATRIX,
SHOWING THE INTER-ELEMENT CORRELATION COEFFICIENTS. THOSE VALUES THAT
EXCEED THEIR CRITICAL VALUE FOR .01 LEVEL OF SIGNIFICANCE ARE SHOWN
IN DARKER PRINT AND UNDERLINED.

	AG	AS	CU	MO	PB	ZN	AU
AG	1.000	.054	<u>.444</u>	<u>-.405</u>	<u>-.102</u>	.077	.065
AS		1.000	<u>.171</u>	<u>.210</u>	<u>.272</u>	<u>.345</u>	<u>.154</u>
CU			1.000	.032	.016	.068	.057
MO				1.000	<u>.266</u>	-.014	0.000
PB					1.000	<u>.396</u>	<u>.081</u>
ZN						1.000	<u>.170</u>
AU							1.000

APPENDIX B
STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

Personnel

C.G. Verley - 20 days at \$320/day	\$ 6,400.00	
C.J. Westerman - 5 days at \$420/day	2,100.00	\$ 8,500.00

Assay and Analytical Costs 14,002.55

Geophysical Surveys 7,000.00

Soil Sampling and Grid Preparation 8,731.00

Field Costs

Accommodation	\$ 264.29	
Food	243.29	
Fuel	114.37	
Ferry	138.00	
Vehicle Rental - 13 days at \$50/day	650.00	1,409.95

Report Preparation 789.50

Total **\$40,433.00**

The above costs were incurred in carrying out the work program described in the attached report.

Carl G. Verley.

Carl G. Verley, F.G.A.C.

APPENDIX C
CERTIFICATES

AMERLIN EXPLORATION SERVICES LTD.

108-525 Seymour Street, Vancouver, B.C., Canada, V6B 3H7

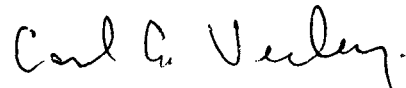
Phone (604) 689-1966

WRITER'S CERTIFICATE

I, Carl G. Verley of Vancouver, British Columbia
hereby certify that:

1. I am a geologist residing at 301 - 1867 West 3rd Avenue, Vancouver B.C.
2. I am a graduate of the University of British Columbia, B.Sc. in 1974, and have practised my profession since that time.
3. I am a Fellow of the Geological Association of Canada.
4. I am the author of this report which is based on work conducted and managed by me on the Lupus 1, 3, 4, 5 and 6 mineral claims during the period July 10 to 25, 1986.

Amerlin Exploration Services Ltd.



Carl G. Verley, F.G.A.C.

July 31, 1986.
Vancouver, B.C.

STATEMENT OF QUALIFICATIONS

I, Christopher John Westerman, hereby certify that:

1. I am an independent Consulting Geologist with an office at 1010 - 470 Granville Street, Vancouver, B.C. V6C 1V5
2. I am a graduate of London University, England with the degree of Bachelor of Science in Geology (1967); of the University of British Columbia with the degree of Master of Science in Geology(1970) and of McMaster University, Ontario with the degree of Doctor of Philosophy in Geology(1977).
3. I am a Fellow of the Geological Association of Canada (F.525) and a member of the Canadian Institute of Mining and Metallurgy.
4. I have practised my profession in North America since 1967, having worked as employee and consultant for several International Mining Corporations and Junior Resource Companies.
5. The work program described in the attached report was carried out under my direct supervision.



C. J. Westerman, Ph.D.
Consulting Geologist

July 31, 1986.
Vancouver, B.C.

APPENDIX D
GEOPHYSICAL REPORT

PACIFIC GEOPHYSICAL LTD.

GEOPHYSICAL REPORT

ON THE

LUPUS PROPERTY

NANAIMO MINING DIVISION

BRITISH COLUMBIA

FOR

PAN WORLD VENTURES, INC.

LATITUDE: 49°46'N LONGITUDE: 125°10' W

N.T.S. 92F/14E

CLAIMS: LUPUS 1, 3, 4, 5, 6

OWNER: PROQUEST RESOURCE CORPORATION

OPERATOR: PAN WORLD VENTURES, INC.

BY

PAUL A. CARTWRIGHT, B.Sc.

Geophysicist

AND

MICHAEL J. CORMIER, B.Sc.

Geophysicist

DATED: August 6, 1986

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3)	Description of Geology.....	2
4)	Presentation of Data.....	2
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10)	Certificate: Michael J. Cormier, B.Sc.....	11

PART B NOTES ON THEORY AND FIELD PROCEDURES

PART C ILLUSTRATIONS

Plan Map (in pocket).....	Dwg. No. I.P.P.-B-4148
IP Data Plots (pseudosections).....	Dwg. Nos. I.P.-5871-1 to -9
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Claim Map.....	Figure 2

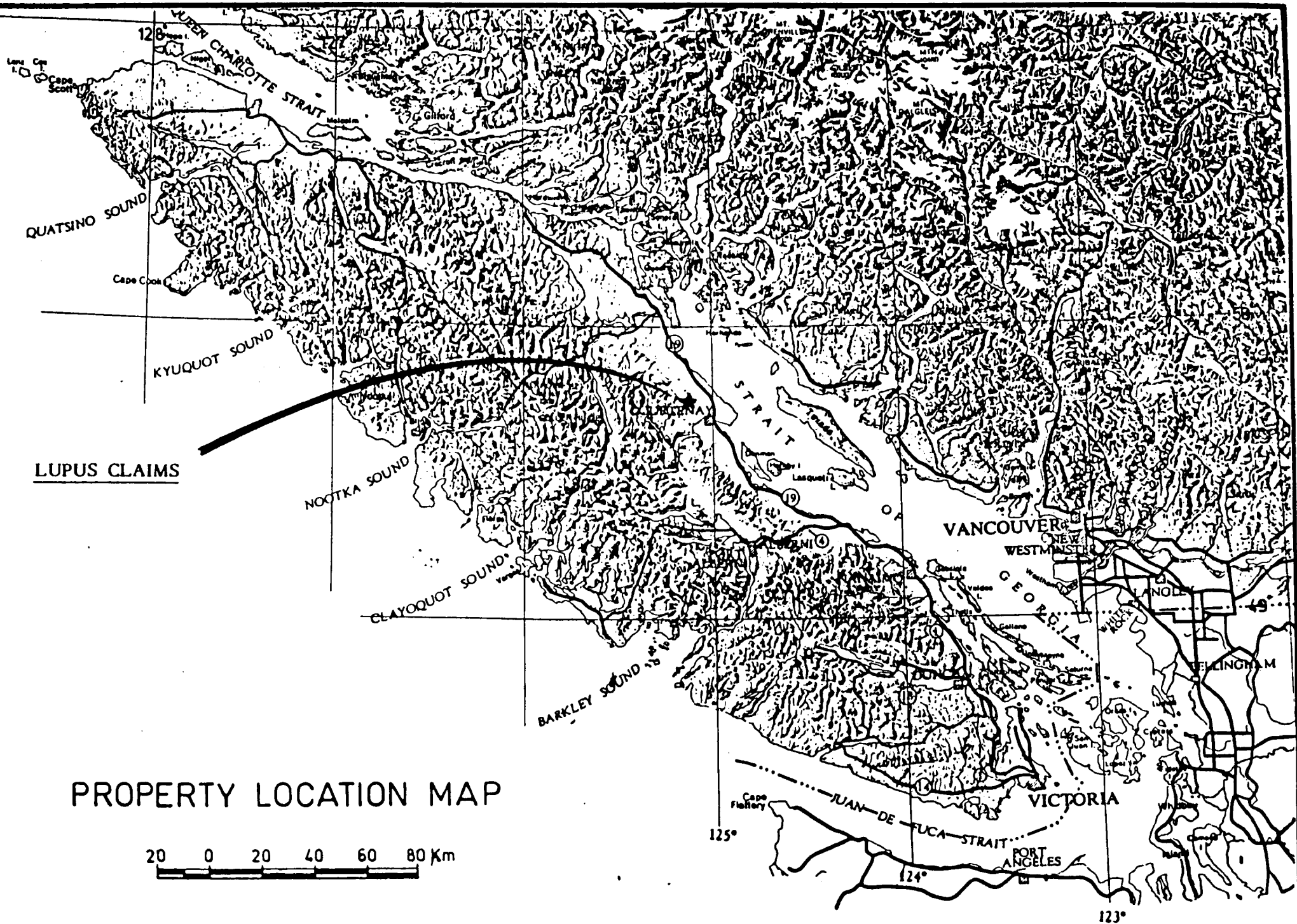
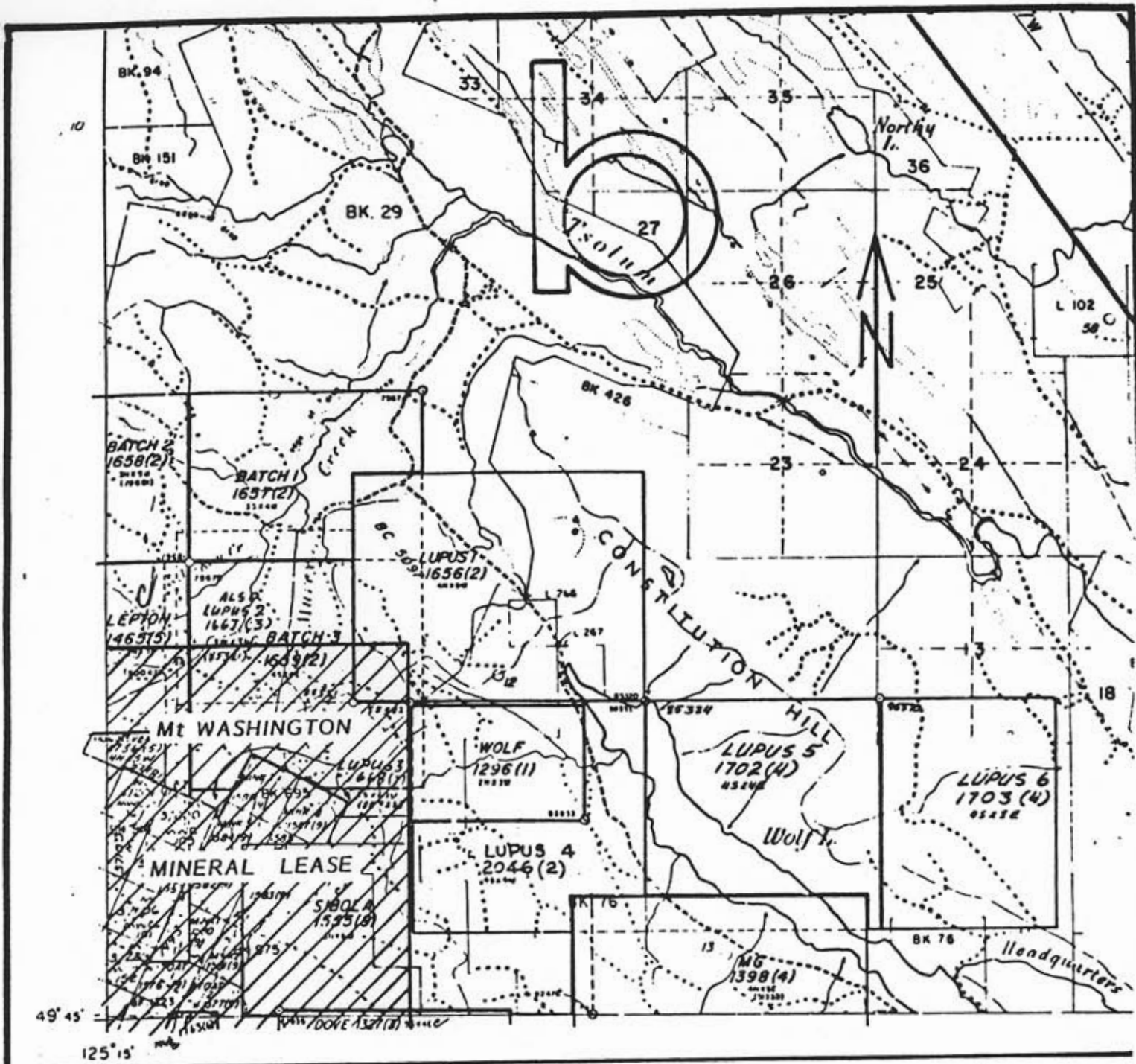


FIGURE 1



CLAIM LOCATION MAP

Lupus Mineral Claims

Proquest Resource Corporation

Nanaimo Mining Division, B.C.

NTS 92F/14E

Scale 1:50,000



Figure 2.

PART A REPORT

1) Introduction

An Induced Polarization and Resistivity Survey has been completed on the Lupus Property, Nanaimo Mining Division, at the request of Chris Westerman, Terrane Resource Management Inc., consultant to Pan World Ventures, Inc.

The property is located approximately 16 kilometers northwest of the community of Courtenay, B.C. Access is via logging roads from the Courtenay area.

Previous work on the property has included limited soil, silt and rock sampling in the vicinity of two gold showings, initially discovered by prospecting. One occurrence, the Lake Showing, has been trenched to expose a relatively narrow (less than one meter) vein of pyrite, sphalerite, arsenopyrite, and galena carrying high gold values.

Objective of the present IP and Resistivity survey was to determine if the mineralization seen in the showings would yield recognizable IP and/or Resistivity anomalies.

A Phoenix Model IPV-1 Induced Polarization and Resistivity receiver unit was used, together with a Phoenix Model IPT-1 IP and Resistivity transmitter powered by a 1 kw motor-generator. IP effects were recorded as Percent Frequency Effects (P.F.E.) at operating frequencies of 4.0 Hz and 0.25 Hz, while apparent resistivity values were normalized in units of ohm-meters. Dipole-dipole array was utilized to make all of the measurements using interelectrode distances of 50 meters and 25 meters. Four dipole separations were recorded in every case.

Field work took place during the period July 19, 1986 to July 25, 1986, initially under the supervision of Paul A. Cartwright, B.Sc., and then under the direction of Michael J. Cormier, B.Sc. Certificates of qualification are included in this report.

2) Description of Claims

The Lupus Property consists of the following claims, which are also illustrated in Figure 2.

Claim	Units	Record No.	Expiry Date
Lupus 1	20	1656	29 February 1988
Lupus 3	8	1668	13 March 1987
Lupus 4	16	2048	21 February 1987
Lupus 5	16	1702	6 April 1988
Lupus 6	12	1703	6 April 1988

Proquest Resource Corp. is the beneficial owner of the Lupus 1, 3, 4, 5, 6 claims, which are currently optioned to Pan World Ventures, Inc.

3) Description of Geology

The following geological description has been provided by the staff of Amerlin Exploration Services Ltd.

"The Lupus claims are situated 8 kilometers east of Mt. Washington in the southern part of the Insular Tectonic Belt: the Vancouver Island Ranges. The area is underlain by a succession of gently northeasterly dipping Upper Triassic Karmutsen basic volcanics which are unconformably overlain by Upper Cretaceous Nanaimo Group sandstone and siltstone. This sequence is intruded by Tertiary quartz-diorite and related dacite porphyries. Several types of intrusive breccias are associated with the Tertiary rocks (Carson, 1973, G.S.C. Paper 72-44)."

4) Presentation of Data

The Induced Polarization and Resistivity results are shown on the following

data plots in the manner described in Part B of this report.

Line	Electrode Interval	Dwg. No.
1000 N	50 Meters	IP-5871-1
900 N	50 Meters	IP-5871-2
800 N	50 Meters	IP-5871-3
800 N	25 Meters	IP-5871-4
700 N	50 Meters	IP-5871-5
1200 E	25 Meters	IP-5871-6
1300 E	25 Meters	IP-5871-7
1400 E	50 Meters	IP-5871-8
1400 E	25 Meters	IP-5871-9

Also enclosed with this report is Dwg. No. I.P.P.-B-4148, a 1:10,000 scale compilation plan map which includes the Lake Grid and the Creek Grid. The definite, probable and possible Induced Polarization anomalies are indicated by bars, in the manner shown on the legend, on this plan map as well as on the data plots. These bars represent the surface projection of the anomalous zones as interpreted from the location of the transmitter and receiver electrodes when the anomalous values were measured.

Since the Induced Polarization measurement is essentially an averaging process, as all the potential methods, it is frequently difficult to exactly pinpoint the source of an anomaly. Certainly, no anomaly can be located with more accuracy than the electrode interval length; i.e., when using a 50 meter electrode interval, the position of a narrow sulphide body can only be determined to lie between two stations 50 meters apart. In order to definitely locate, and fully evaluate a narrow, shallow source, it is necessary to use shorter electrode intervals. In order to locate sources at some depth, larger electrode intervals must be used, with a corresponding increase in the uncertainties of location. Therefore, while the centre of the indicated anomaly probably corresponds fairly well with the source, the length of the indicated anomaly along the line should not be taken to

represent the exact edges of the anomalous material.

The topographic, claim and grid information shown on Drawing No. I.P.P.-B-4148 has been taken from maps made available by the staff of Amerlin Exploration Services Ltd.

5) Discussion of Results

The present IP and Resistivity survey has been carried out over two separate grids- the 'Lake Grid' and the 'Creek Grid'. Accordingly, this discussion of results is in two parts.

i) Lake Grid

The previously discovered zone of potentially economic mineralization known as the 'Lake Showing' is exposed in the vicinity of Station 775W on Line 800N. Initially, IP and Resistivity surveys using interelectrode distances of 25 and 50 meters were conducted on this line to test the response of the showing. It was discovered that while the 25 meter data was more detailed, the 50 meter response adequately outlined the mineralization. The remainder of the lines were then surveyed using this 50 meter interelectrode distance. The results from the Lake Grid may be described in terms of two zones, Zone A and Zone B, which are illustrated on Plan Map Dwg. No. I.P.P.-B-4148.

Zone A is by far the stronger of the two. The source of this anomaly is considered to be the sulphides exposed by the Lake Showing. Survey results, particularly from the 25 meter test on Line 800N, indicate the presence of a highly polarizable, tabular body dipping to the east at a shallow angle. The western margin of the anomalous zone terminates abruptly at or near the surface while the eastern edge is not well defined, due to the easterly dip involved. Along strike, the anomaly is still very well defined on Line 1000N, the most northerly line tested by the present

survey. To the south, the zone appears decidedly weaker on Line 700N, the southern border of the Lake Grid. This could be the result of a decrease in the amount of polarizable material present, or more probably, an increase in the amount of surface cover over the mineralized body.

Zone B lies to the west of Zone A and is characterized by weakly to moderately anomalous Percent Frequency Effect (P.F.E.) responses. The source is interpreted to be a relatively narrow body of uncertain dip.

The zone is not detected on Line 800N. It is felt that the survey data stops short of the expected anomaly location.

It is interesting to note that Zone A and Zone B appear to converge at the southern end of the grid. Possibly, the sources of the anomalous IP trends are connected in some manner.

ii) Creek Grid

The previously discovered 'Creek Showing' is a potentially economic zone of mineralization located within a sandstone unit which itself is relatively high in polarizable material content. The sandstone is bounded by dacite porphyry to both the north and south.

The IP and Resistivity response of this showing was tested by surveying Line 1400E, using interelectrode distances of 25 and 50 meters. It was felt that the 25 meter readings more clearly illustrated the mineralized zone in the presence of the polarizable host rock; i.e., the sandstone unit. The remainder of the Creek Grid was surveyed using this separation.

The source of the Creek Grid anomalous zone appears to be a polarizable, vertical structure of unknown depth extent. Depth to the top of the source is thought to be no greater than 25 meters. Along strike, the

westernmost line surveyed was Line 1200E. Here, the zone virtually disappears in the high background PFE of the sandstone. The anomalous trend reaches its highest values at the eastern boundary of the survey area, on Line 1400E. The readings here appear to indicate that the zone has separated into two distinct anomalies. One of these is centered at approximately 805S and coincides with the Creek Showing. The other is centered at 885S. As well, both the 25 and 50 meter data sets show anomalous readings at the northern end of Line 1400E. It is not possible to make a further interpretation of the potential in this northern area without acquiring additional IP data.

6) **Summary and Recommendations**

Induced Polarization and Resistivity surveys have been carried out on the Lupus Property, Nanaimo Mining Division, B.C., on behalf of Pan World Ventures, Inc.

The Lake Showing mineralization gives rise to high magnitude Induced Polarization effects (P.F.E.), which allow the lateral extent of the mineralization to be easily mapped. Thus far a strike length of 300 meters has been outlined, with the trend still open to the north and south (Zone A).

Another, much less anomalous zone of IP effects is also detected immediately west of the main Lake Showing IP zone (Zone B).

A separate grid has been surveyed over the Creek Showing and a recognizable IP anomaly is evident coincident with the position of the known mineralization.

As a first priority, it is recommended that additional IP and Resistivity surveying be carried out to the north of Line 1000N and to the south of Line 700N on the Lake Grid in order to fully outline the strike extent of Zone A. At this point, the most promising anomaly could be further tested by drilling.

On a second priority basis, an IP and Resistivity survey should be conducted

to the east of Line 1400E on the Creek Grid to determine the strike length of the anomalous zone. In addition, the northern end of Line 1400E should be further tested and the results used to design the survey coverage on the lines to the east. The selection of a drilling target could then be made.

PACIFIC GEOPHYSICAL LIMITED

Paul A. Cartwright

Paul A. Cartwright, B.Sc.,
Geophysicist.

Michael J. Cormier

Michael J. Cormier, B.Sc.,
Geophysicist.

Dated: 6 August 1986

ASSESSMENT DETAILS

Property: Lupus Claims **Mining Division:** Nanaimo
Sponsor: Pan World Ventures, Inc. **Province:** British Columbia
Location: 16 km N.W. of Courtenay, B.C.
Type of Survey: Induced Polarization and Resistivity
Operating Days: 5 1/2 **Date Started:** 19 July 1986
Equivalent 8 hr. Man Days: 24.75 **Date Finished:** 25 July 1986
Consulting Man Days: 3 **Number of Stations:** 142
Drafting Man Days: 5 **Number of Readings:** 680
Total Man Days: 32.75 **Km of Line Surveyed:** 4.9

Consultants:

P.A. Cartwright, 4238 West 11th Avenue, Vancouver, B.C.
M.J. Cormier, 2242 Stephens Street, Vancouver, B.C.

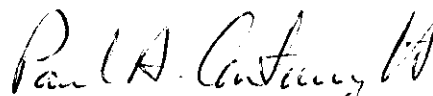
Field Technicians:

K. Corman, 5711 No. 2 Road, Richmond, B.C.
M. Makulowich, 669 Valdes Drive, Kamloops, B.C.

Draughtsman:

M.J. Cormier, 2242 Stephens Street, Vancouver, B.C.

PACIFIC GEOPHYSICAL LIMITED



Paul A. Cartwright, B.Sc.,
Geophysicist.

Dated: 6 August 1986

STATEMENT OF COSTS

Pan World Ventures, Inc.
 c/o Terrane Resource Management Inc.
 1010 - 470 Granville Street,
 Vancouver, B.C.

Induced Polarization and Resistivity Survey - Lupus Property,
 Nanaimo, M.D., B.C.

Period:	19 July 1986 - 22 July 1986	
Crew:	M. Cormier, M. Makulowich, P. Cartwright	
Period:	23 July 1986 to 25 July 1986	
Crew:	M. Cormier, M. Makulowich, K. Corman	
	5 1/2 Operating Days @ \$1,000.00	\$ 5,500.00
	Mobilization - Demobilization	1,500.00
		<u>\$ 7,000.00</u>
		=====

PACIFIC GEOPHYSICAL LTD.

Paul A. Cartwright

Paul A. Cartwright, B.Sc.,
 Geophysicist.

Dated: 6 August 1986

CERTIFICATE

I, Paul A. Cartwright, of the City of Vancouver, Province of British Columbia, do hereby certify:

1. I am a geophysicist residing at 4238 W. 11th Avenue, Vancouver, B.C.
2. I am a graduate of the University of British Columbia, with a B.Sc. Degree (1970)
3. I am a member of the Society of Exploration Geophysicists, the European Association of Exploration Geophysicists and the Canadian Society of Exploration Geophysicists.
4. I have been practising my profession for 16 years.
5. I am a Professional Geophysicist licensed in the Province of Alberta.
6. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Proquest Resource Corporation, Pan World Ventures, Inc., or any affiliates.
7. The statements made in this report are based on a study of published geological literature and unpublished reports.
8. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

DATED AT VANCOUVER, BRITISH COLUMBIA this 6th day of August 1986.


Paul A. Cartwright, B.Sc.

CERTIFICATE

I, Michael J. Cormier, of the City of Vancouver, Province of British Columbia, do hereby certify that:

1. I am a geophysicist residing at 2242 Stephens Street, Vancouver, British Columbia.
2. I am a graduate of McGill University, Montreal, Quebec with a B.Sc. Degree (1981).
3. I have been practising my profession for 5 years.
4. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Proquest Resource Corporation, Pan World Ventures, Inc., or any affiliates.
5. The statements made in this report are based on a study of published geological literature and unpublished private reports.
6. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

DATED at Vancouver, B.C. this 6th day of August 1986.


Michael J. Cormier, B.Sc.

PART B

NOTES ON THE THEORY, METHOD OF FIELD OPERATION AND PRESENTATION OF DATA FOR THE INDUCED POLARIZATION METHOD

Induced Polarization as a geophysical measurement refers to the blocking action or polarization of metallic or electronic conductors in a medium of ionic solution conduction.

This electro-chemical phenomenon occurs wherever electrical current is passed through an area which contains metallic minerals such as base metal sulphides. Normally, when current is passed through the ground, as in resistivity measurements, all of the conduction takes place through ions present in the water content of the rock, or soil, i.e., by ionic conduction. This is because almost all minerals have a much higher specific resistivity than ground water. The group of minerals commonly described as "metallic", however, have specific resistivities much lower than ground waters. The induced polarization effect takes place at those interfaces where the mode of conduction changes from ionic in the solutions filling the interstices of the rock to electronic in the metallic minerals present in the rock.

The blocking action or induced polarization mentioned above, which depends upon the chemical energies necessary to allow the ions to give up or receive electrons from the metallic

surface, increases with the time that a d.c. current is allowed to flow through the rock; i.e., as ions pile up against the metallic interface the resistance to current flow increases. Eventually, there is enough polarization in the form of excess ions at the interfaces, to appreciably reduce the amount of current flow through the metallic particle. This polarization takes place at each of the infinite number of solution-metal interfaces in a mineralized rock.

When the d.c. voltage used to create this d.c. current flow is cut off, the Coulomb forces between the charged ions forming the polarization cause them to return to their normal position. This movement of charge creates a small current flow which can be measured on the surface of the ground as a decaying potential difference.

From an alternate viewpoint it can be seen that if the direction of the current through the system is reversed repeatedly before the polarization occurs, the effective resistivity of the system as a whole will change as the frequency of the switching is changed. This is a consequence of the fact that the amount of current flowing through each metallic interface depends upon the length of time that current has been passing through it in one direction.

The values of the per cent frequency effect or F.E. are a measurement of the polarization in the rock mass. However, since the measurement of the degree of polarization is related to the apparent resistivity of the rock mass, it is found that the metal factor values or M.F. can be useful values

determining the amount of polarization present in the rock mass. The MF values are obtained by normalizing the F.E. values for varying resistivities.

The Induced Polarization measurement is perhaps the most powerful geophysical method for the direct detection of metallic sulphide mineralization, even when this mineralization is of very low concentration. The lower limit of volume per cent sulphide necessary to produce a recognizable IP anomaly will vary with the geometry and geologic environment of the source, and the method of executing the survey. However, sulphide mineralization of less than one per cent by volume has been detected by the IP method under proper geological conditions.

The greatest application of the IP method has been in the search for disseminated metallic sulphides of less than 20% by volume. However, it has also been used successfully in the search for massive sulphides in situations where, due to source geometry, depth of source, or low resistivity of surface layer, the EM method cannot be successfully applied. The ability to differentiate ionic conductors, such as water-filled shear zones, makes the IP method a useful tool in checking EM anomalies which are suspected of being due to these causes.

In normal field applications the IP method does not differentiate between the economically important metallic minerals such as chalcopyrite, chalcocite, molybdenite, galena, etc., and the other metallic minerals such as pyrite. The Induced Polarization effect is due to the total of all electronic conducting minerals in the rock mass. Other electronic conducting

materials which can produce an IP response are magnetite, pyrolusite, graphite, and some forms of hematite.

In the field procedure, measurements on the surface are made in a way that allows the effects of lateral changes in the properties of the ground to be separated from the effects of vertical changes in the properties. Current is applied to the ground at two points in distance (X) apart. The potentials are measured at two points (X) feet apart, in line with the current electrodes is an integer number (n) times the basic distance (X).

The measurements are made along a surveyed line, with a constant distance (nX) between the nearest current and potential electrodes. In most surveys, several traverses are made with various values of (n); i.e., (n) = 1, 2, 3, 4, etc. The kind of survey required (detailed or reconnaissance) decides the number of values of (n) used.

In plotting the results, the values of apparent resistivity, apparent per cent frequency effect, and the apparent metal factor measured for each set of electrode positions are plotted at the intersection of grid lines, one from the center point of the current electrodes and the other from the center point of the potential electrodes. (See Figure A) The resistivity values are plotted at the top of the data profile, above the metal factor values. On a third line, below the metal factor values, are plotted the values of the percent frequency effect. The lateral displacement of a given value is determined by the location along the survey line of the center

point between the current and potential electrodes. The distance of the value from the line is determined by the distance (nX) between the current and potential electrodes when the measurement was made.

The separation between sender and receiver electrodes is only one factor which determines the depth to which the ground is being sampled in any particular measurement. The plots then, when contoured, are not section maps of the electrical properties of the ground under the survey line. The interpretation of the results from any given survey must be carried out using the combined experience gained from field results, model study results and the theoretical investigations. The position of the electrodes when anomalous values are measured is important in the interpretation.

In the field procedure, the interval over which the potential differences are measured is the same as the interval over which the electrodes are moved after a series of potential readings has been made. One of the advantages of the Induced Polarization method is that the same equipment can be used for both detailed and reconnaissance surveys merely by changing the distance (X) over which the electrodes are moved each time. In the past, intervals have been used ranging from 25 feet to 2000 feet for (X). In each case, the decision as to the distance (X) and the values of (n) to be used is largely determined by the expected size of the mineral deposit being sought, the size of the expected anomaly and the speed with which it is desired to progress.

The diagram in Figure A demonstrates the method used in plotting the results. Each value of the apparent resistivity, apparent metal factor, and apparent per cent frequency effect is plotted and identified by the position of the four electrodes when the measurement was made. It can be seen that the values measured for the larger values of (n) are plotted farther from the line indicating that the thickness of the layer of the earth that is being tested is greater than for the smaller values of (n) ; i.e., the depth of the measurement is increased.

The IP measurement is basically obtained by measuring the difference in potential or voltage (ΔV) obtained at two operating frequencies. The voltage is the product of the current through the ground and the apparent resistivity of the ground. Therefore, in field situations where the current is very low due to poor electrode contact, or the apparent resistivity is very low, or a combination of the two effects; the value of (ΔV) the change in potential will be too small to be measurable. The symbol "TL" on the data plots indicates this situation.

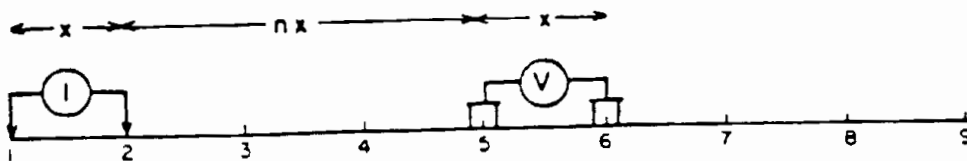
In some situations spurious noise, either man-made or natural, will render it impossible to obtain a reading. The symbol "N" on the data plots indicates a station at which it is too noisy to record a reading. If a reading can be obtained, but for reasons of noise there is some doubt as to its accuracy, the reading is bracketed in the data plot ().

In certain situations negative values of Apparent Frequency Effect are recorded. This may be due to the geologic

environment or spurious electrical effects. The actual negative frequency effect value recorded is indicated on the data plot; however, the symbol "NEG" is indicated for the corresponding value of Apparent Metal Factor. In contouring negative values the contour lines are indicated to the nearest positive value in the immediate vicinity of the negative value.

The symbol "NR" indicates that for some reason the operator did not attempt to record a reading, although normal survey procedures would suggest that one was required. This may be due to inaccessible topography or other similar reasons. Any symbol other than those discussed above is unique to a particular situation and is described within the body of the report.

METHOD USED IN PLOTTING DIPOLE-DIPOLE INDUCED POLARIZATION AND RESISTIVITY RESULTS



Stations on line

x = Electrode spread length
 n = Electrode separation

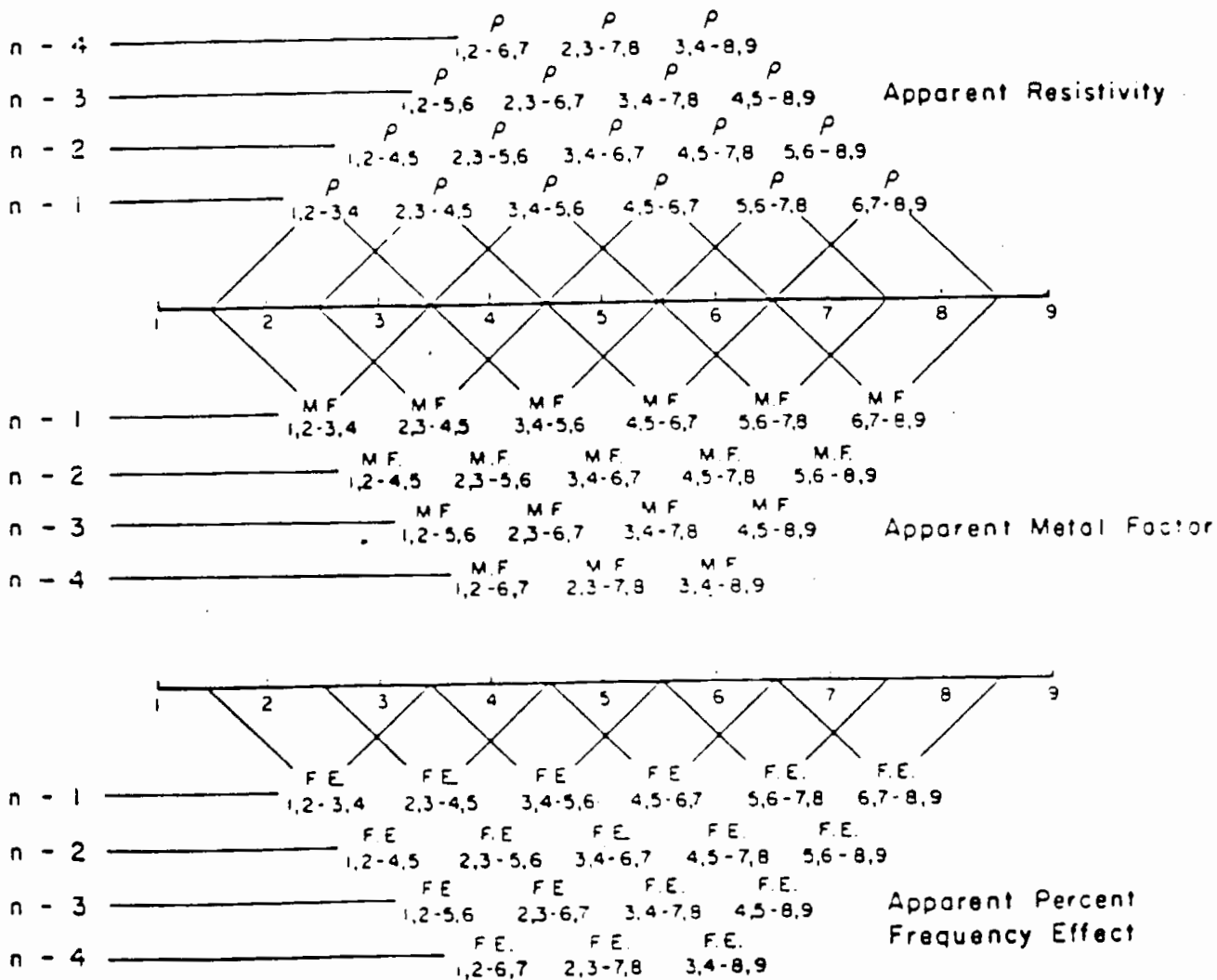
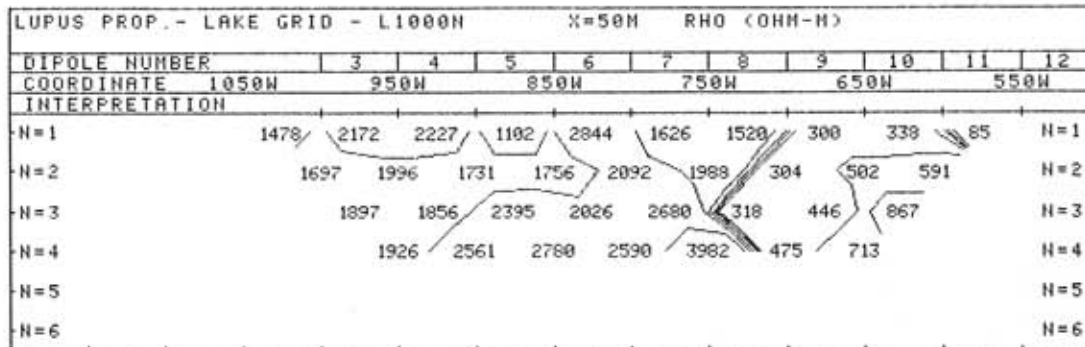


Fig. A

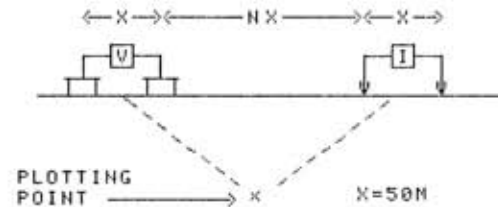
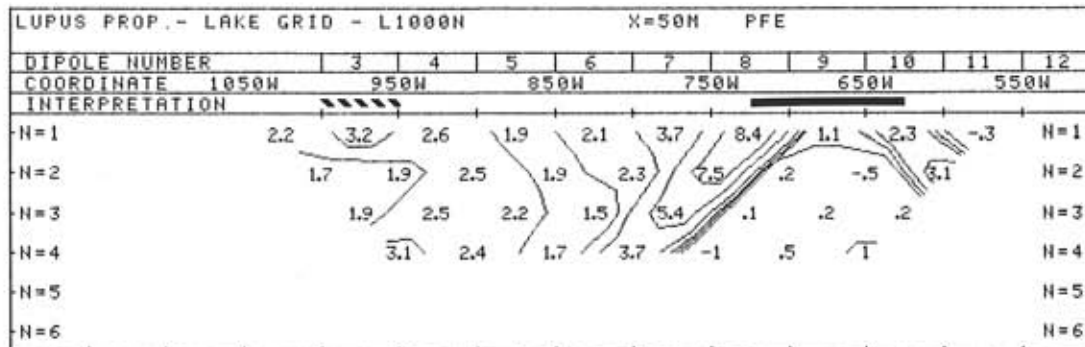


PAN WORLD VENTURES INC

LUPUS PROPERTY - LAKE GRID

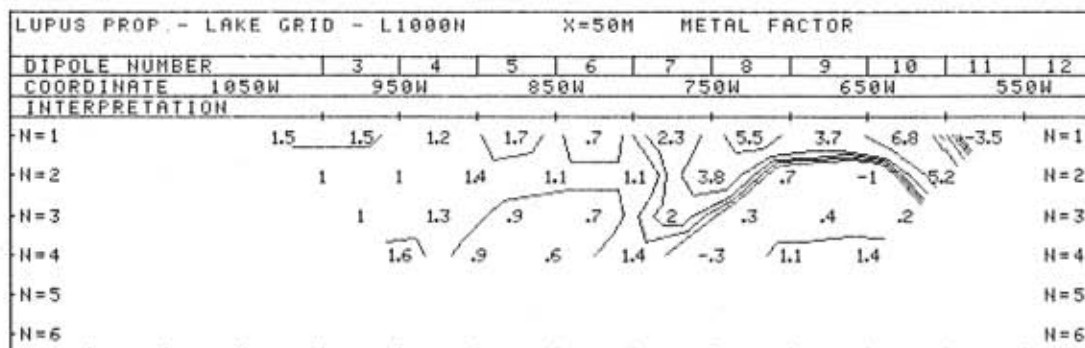
HANAIMO M.D., B.C.

LINE NO. - 1000N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE 
 PROBABLE 
 POSSIBLE 



FREQUENCY (HERTZ)
 0.25; 4.0

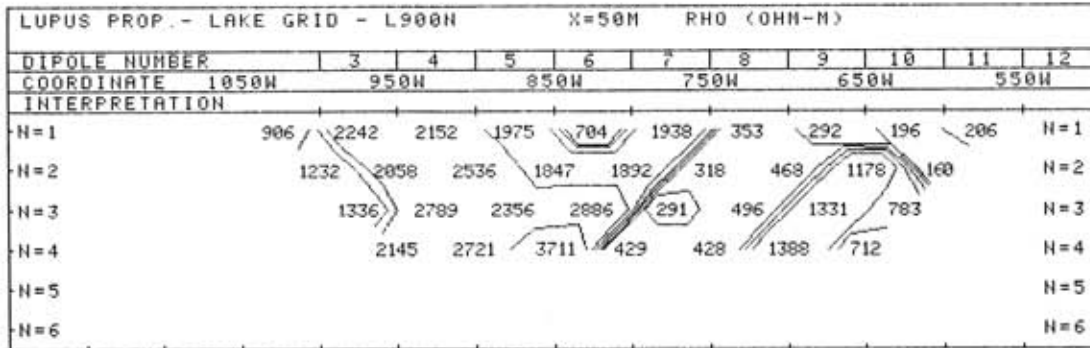
DATE SURVEYED: JULY 1986
 APPROVED

NOTE - CONTOURS
 AT LOGARITHMIC
 INTERVALS: 1, -1.5
 -2, -3, -5, -7.5, -10

MJC
 DATE July 30/86

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

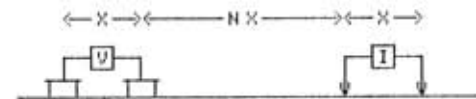
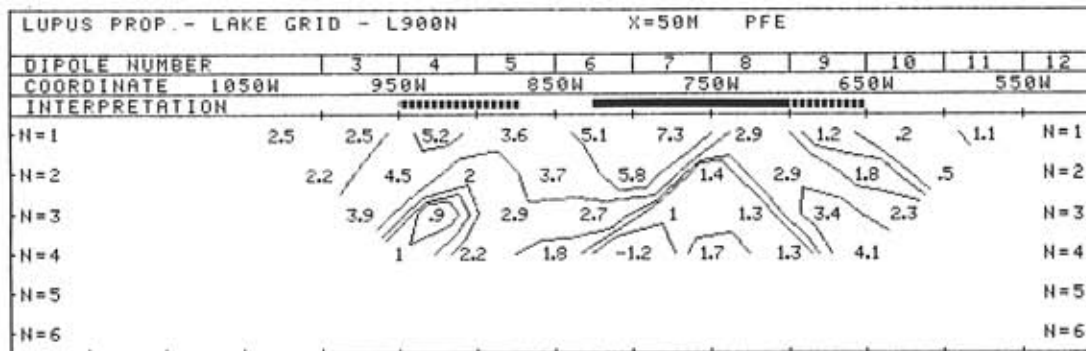


PAN WORLD VENTURES INC

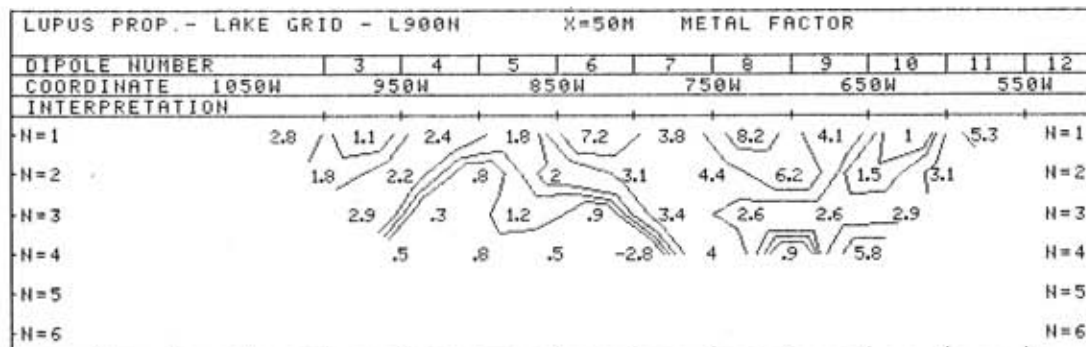
LUPUS PROPERTY - LAKE GRID

NANAIMO M.D., B.C.

LINE NO. - 900N



PLOTTING POINT → X X=50M
 SURFACE PROJECTION OF ANOMALOUS ZONE
 DEFINITE ██████████
 PROBABLE *****
 POSSIBLE //////////////



FREQUENCY (HERTZ)
 0.25; 4.0

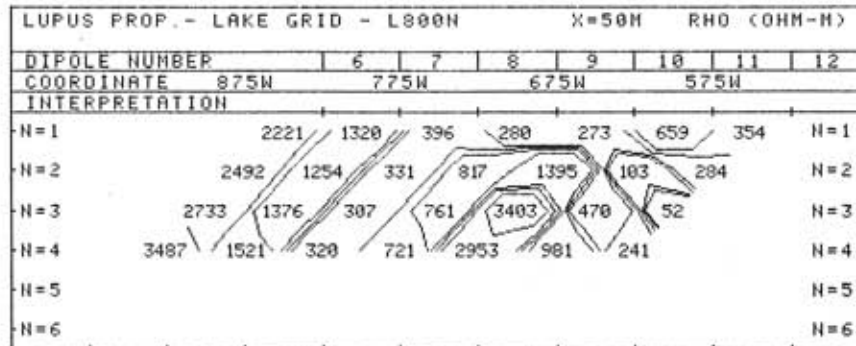
DATE SURVEYED: JULY 1986
 APPROVED

NOTE - CONTOURS
 AT LOGARITHMIC
 INTERVALS. 1, -1.5
 -2, -3, -5, -7.5, -10

MJC
 DATE July 30/86

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

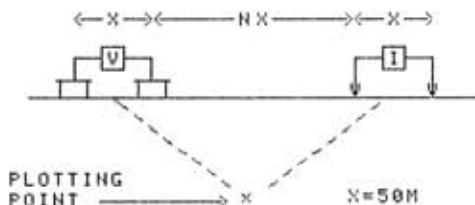
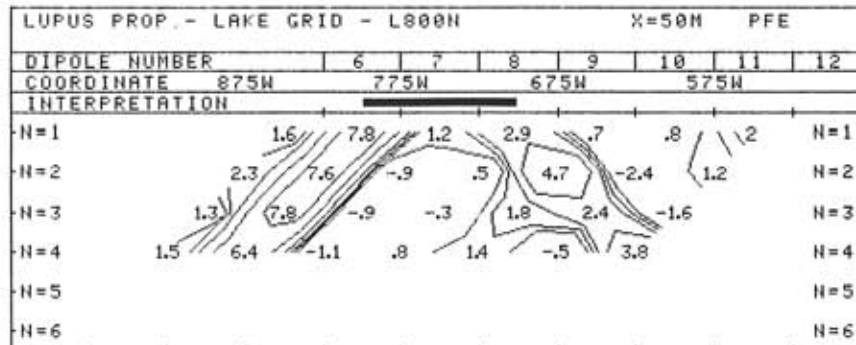


PAN WORLD VENTURES INC

LUPUS PROPERTY - LAKE GRID

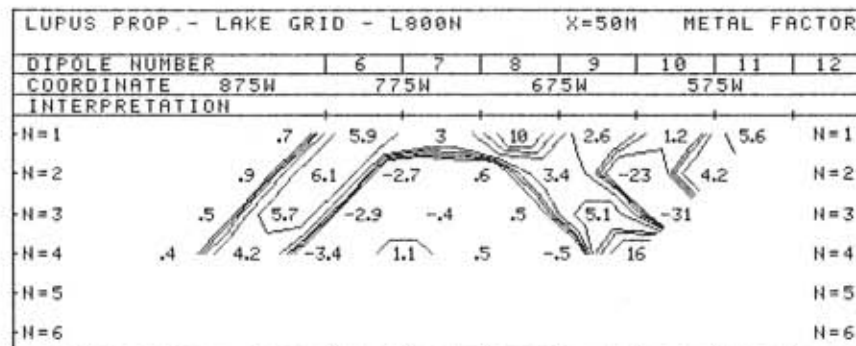
NAHAIMO M.O., B.C.

LINE NO. -800N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE 
 PROBABLE 
 POSSIBLE 



FREQUENCY (HERTZ)
0.25; 4.0

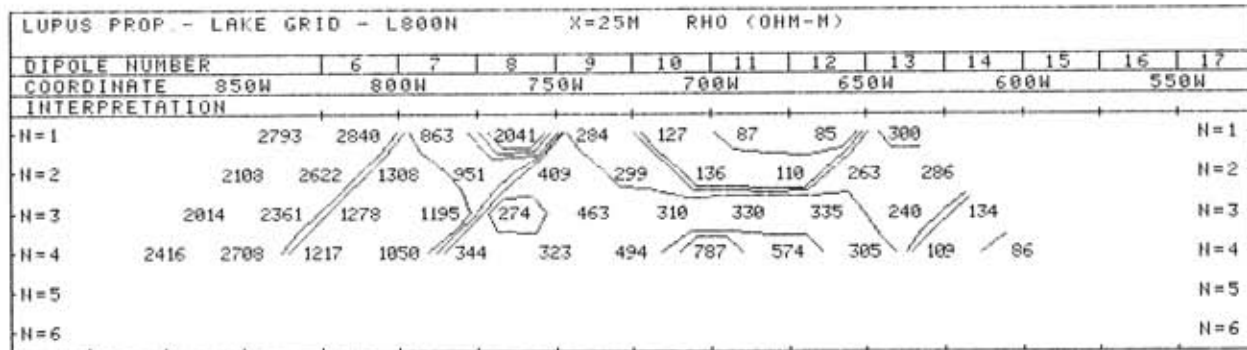
DATE SURVEYED: JULY 1986
APPROVED

NOTE- CONTOURS
AT LOGARITHMIC
INTERVALS: 1, -1.5
-2, -3, -5, -7.5, -10

MJC
DATE July 30/86

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

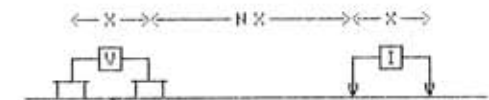
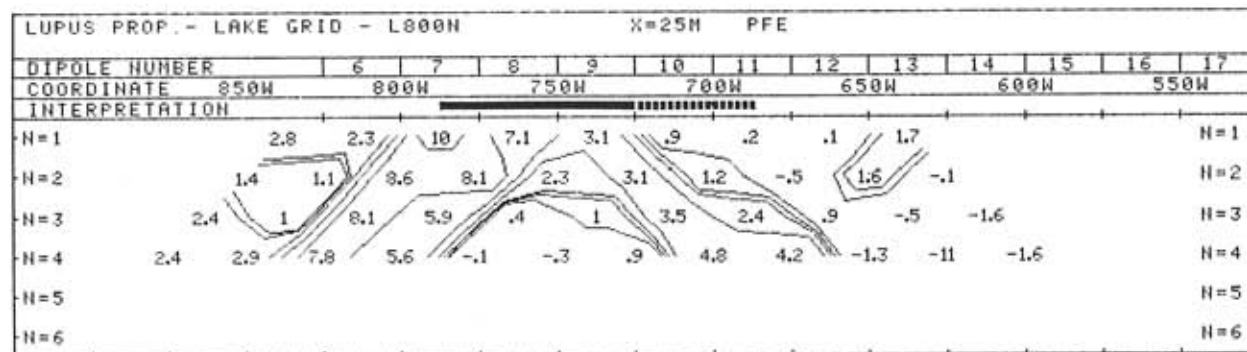


PAN WORLD VENTURES INC

LUPUS PROPERTY - LAKE GRID

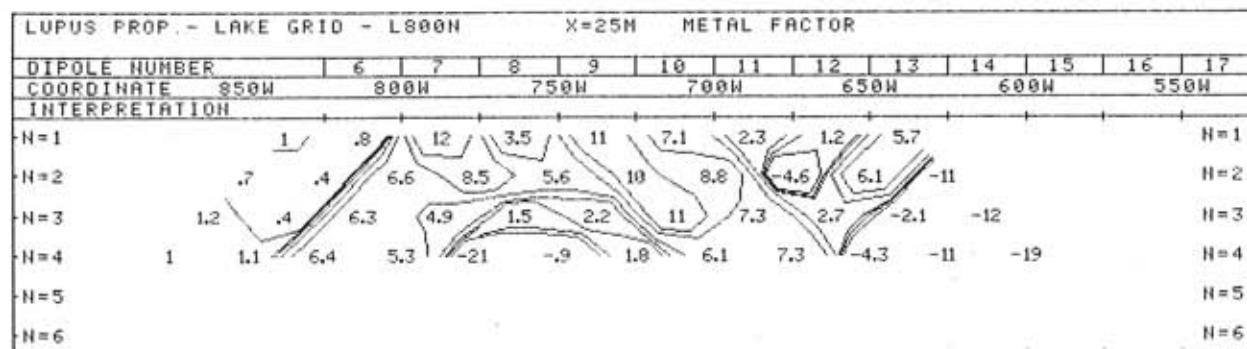
HANAIMO N.D., B.C.

LINE NO. - 800N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
 PROBABLE
 POSSIBLE



FREQUENCY (HERTZ)
0.25/4.0

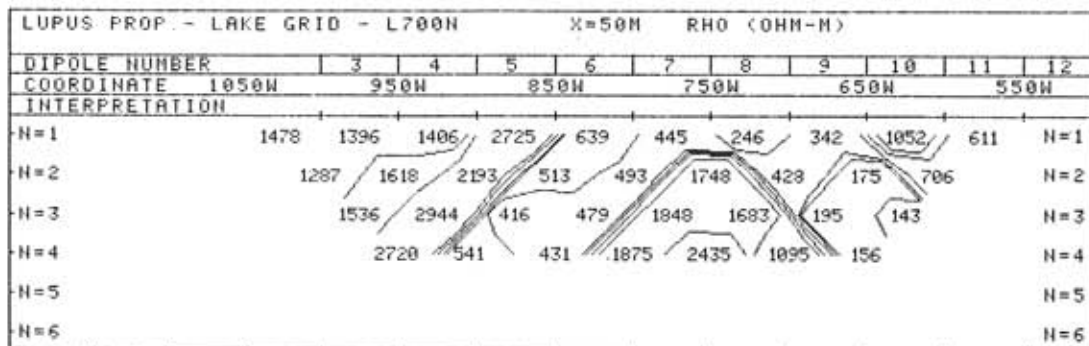
DATE SURVEYED: JULY 1986
APPROVED

NOTE - CONTOURS
AT LOGARITHMIC
INTERVALS: 1, -1.5
-2, -3, -5, -7.5, -10

MJC
DATE July 30/86

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

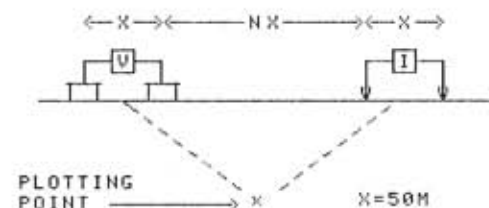
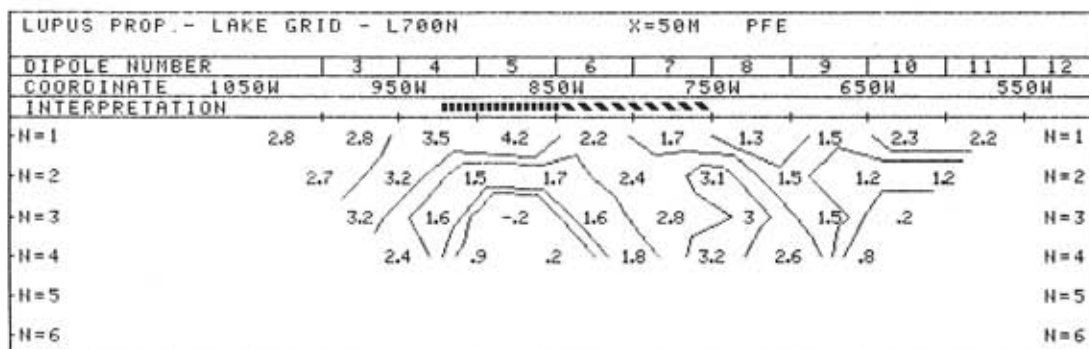


PAN WORLD VENTURES INC

LUPUS PROPERTY - LAKE GRID

HANAIMO N.D.B.C.

LINE NO. -700N

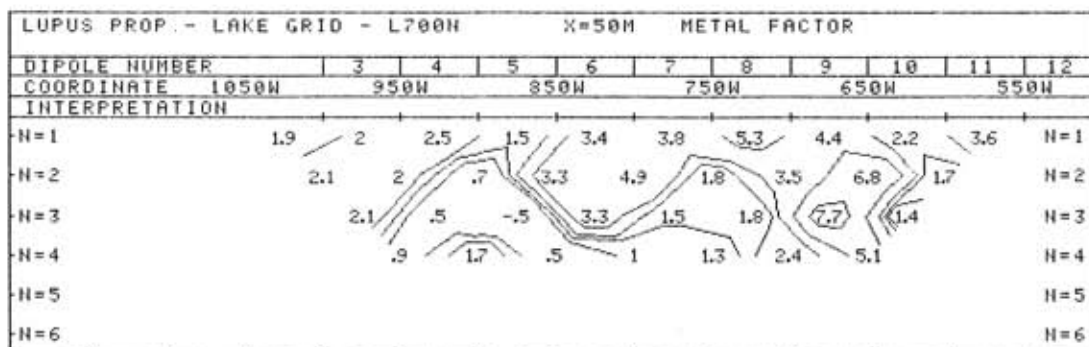


SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE

PROBABLE

POSSIBLE



FREQUENCY (HERTZ)
0.25/4.0

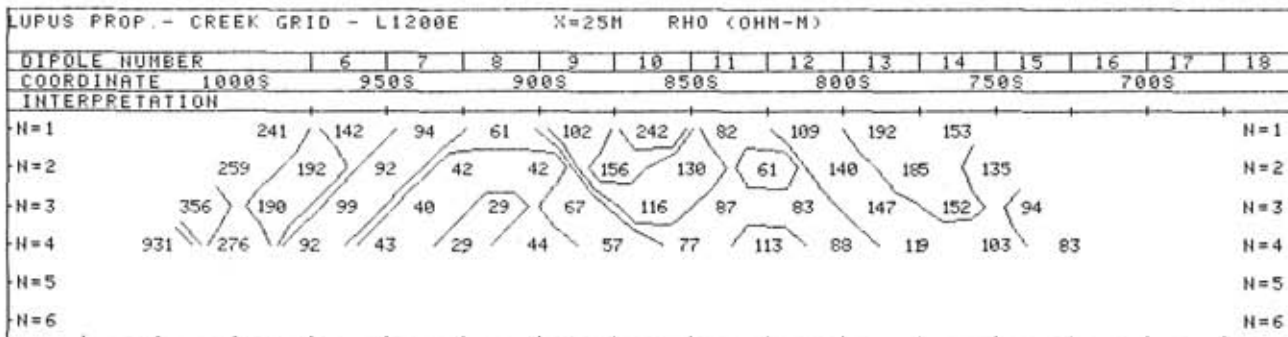
DATE SURVEYED: JULY 1986
APPROVED

NOTE- CONTOURS
AT LOGARITHMIC
INTERVALS: 1, -1.5
-2, -3, -5, -7.5, -10

MSC
DATE July 30/86

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

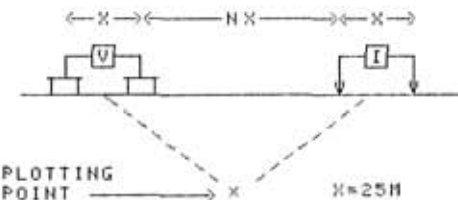
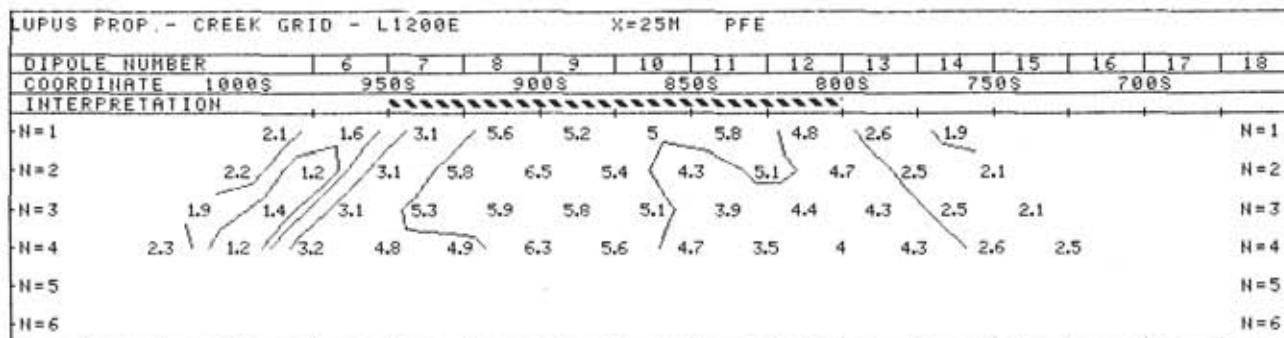


PAN WORLD VENTURES INC

LUPUS PROPERTY - CREEK GRID

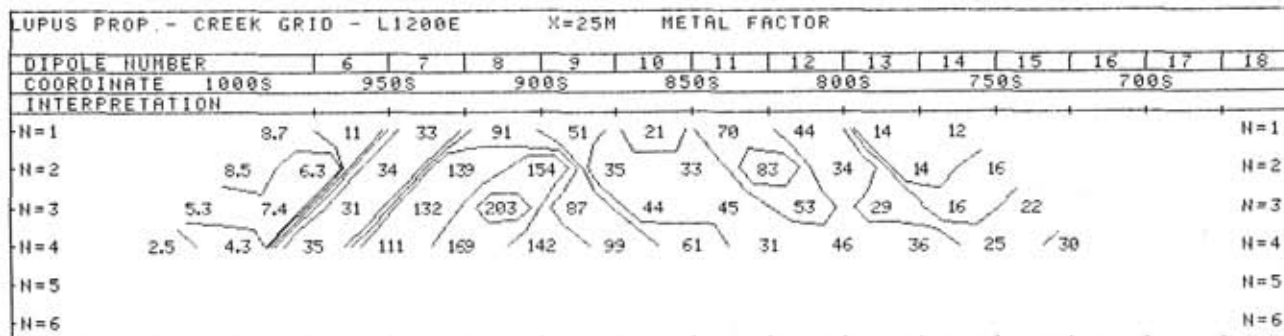
NAHAIMO B.C.

LINE NO. -1200E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
 PROBABLE
 POSSIBLE



FREQUENCY (HERTZ)
 0.25/4.0

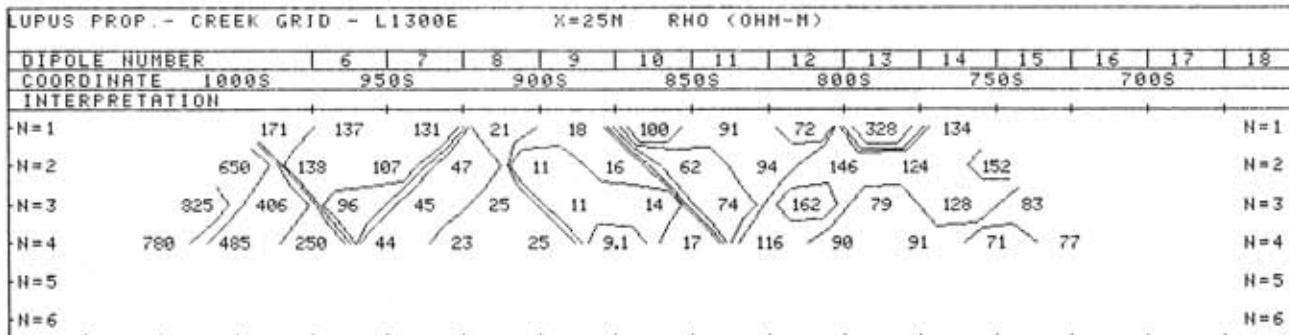
DATE SURVEYED: JULY 1986
 APPROVED

NOTE- CONTOURS
 AT LOGARITHMIC
 INTERVALS. 1, -1.5
 -2, -3, -5, -7.5, -10

MTC
 DATE July 8/86

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

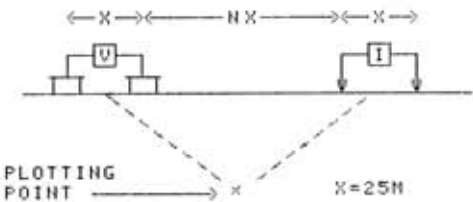
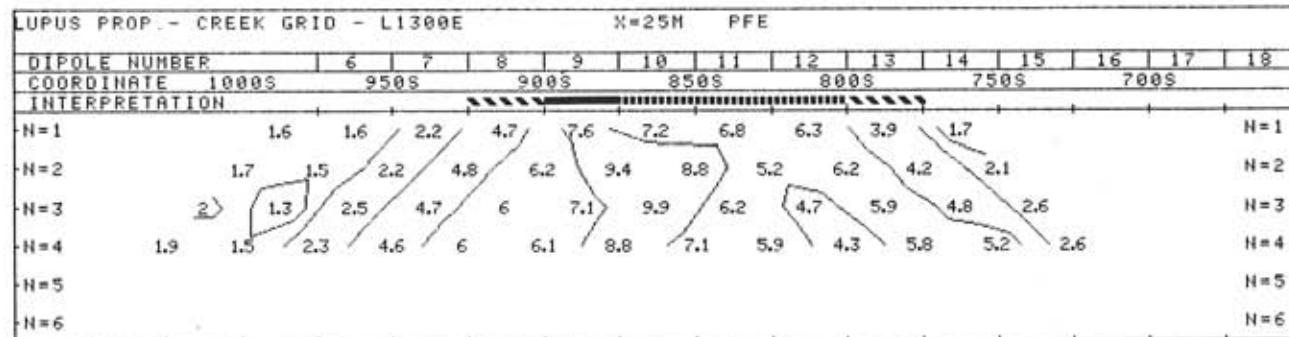


PAN WORLD VENTURES INC

LUPUS PROPERTY - CREEK GRID

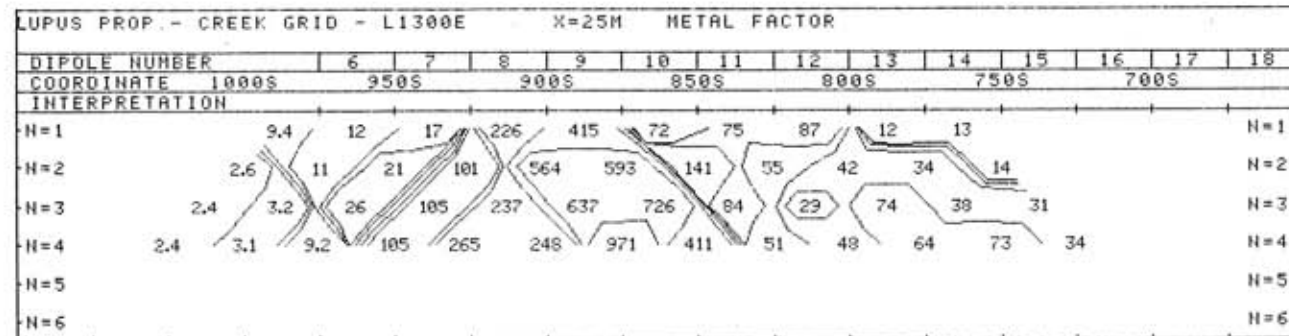
HANAIMO M.D., B.C.

LINE NO. -1300E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
 PROBABLE
 POSSIBLE



FREQUENCY (HERTZ)
0.25 / 4.0

DATE SURVEYED: JULY 1986
APPROVED

NOTE - CONTOURS
AT LOGARITHMIC
INTERVALS: 1, -1.5
-2, -3, -5, -7.5, -10

MJC
DATE July 30/86

PACIFIC GEOPHYSICAL LTD.

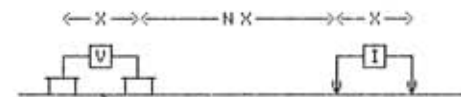
INDUCED POLARIZATION AND RESISTIVITY SURVEY

PAN WORLD VENTURES INC

LUPUS PROPERTY - CREEK GRID

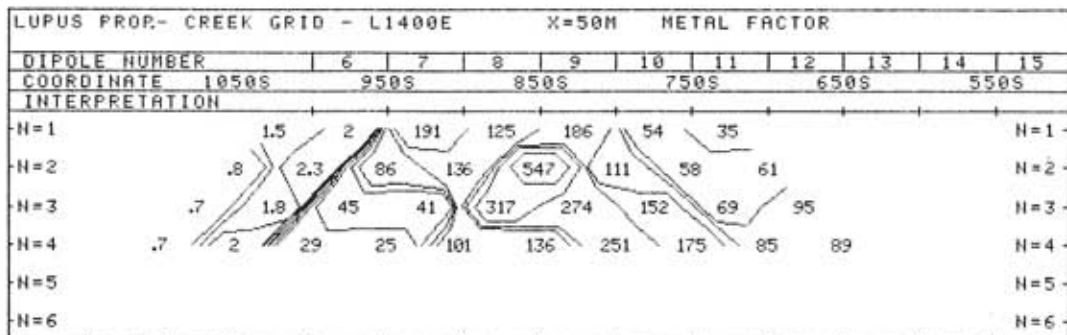
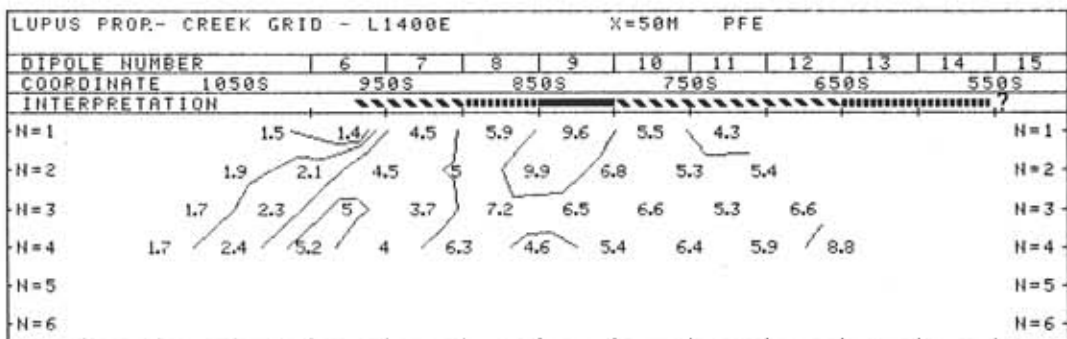
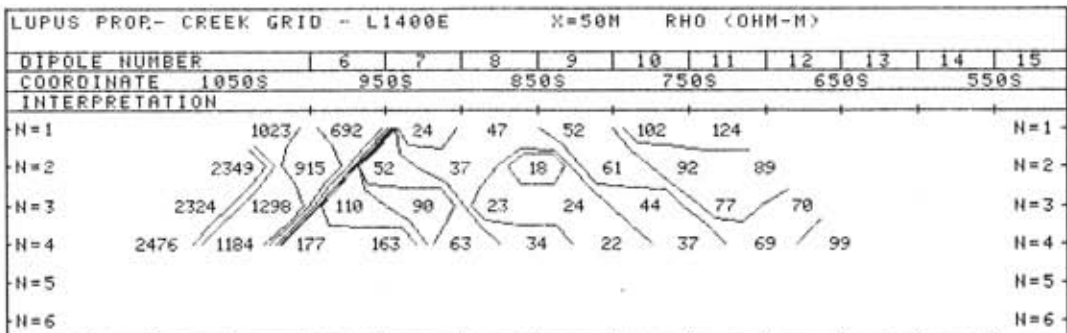
HANAIMO M.D., B.C.

LINE NO. - 1400E



PLOTTING POINT → X X=50M
SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE ██████████
PROBABLE ██████████
POSSIBLE ██████████



FREQUENCY (HERTZ)
0.25 / 4.0

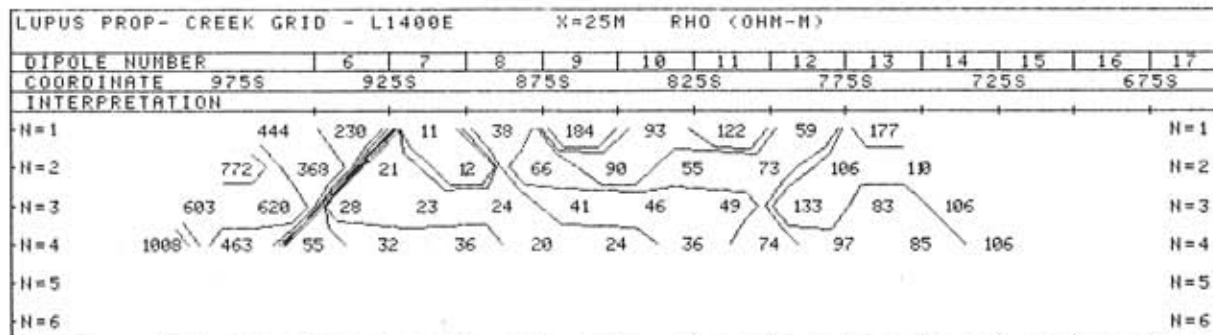
DATE SURVEYED: JULY 1986
APPROVED

NOTE- CONTOURS
AT LOGARITHMIC
INTERVALS: 1, -1.5
-2, -3, -5, -7.5, -10

MJC
DATE July 30/86

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

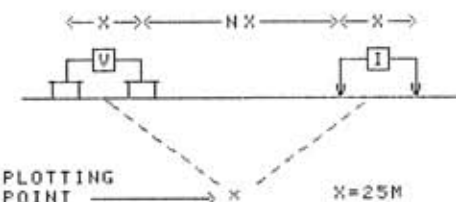
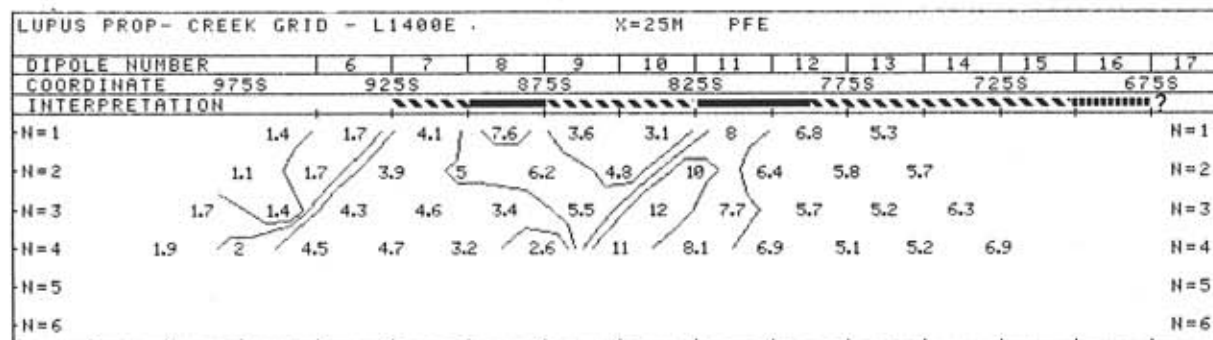


PAN WORLD VENTURES INC

LUPUS PROPERTY - CREEK GRID

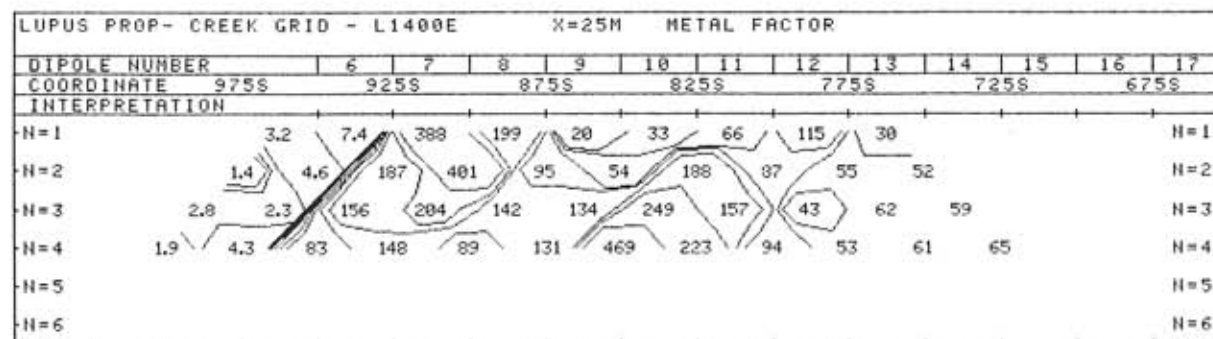
NANAIMO N.D., B.C.

LINE NO. -1400E



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE 
 PROBABLE 
 POSSIBLE 



FREQUENCY (HERTZ)
0.25, 4.0

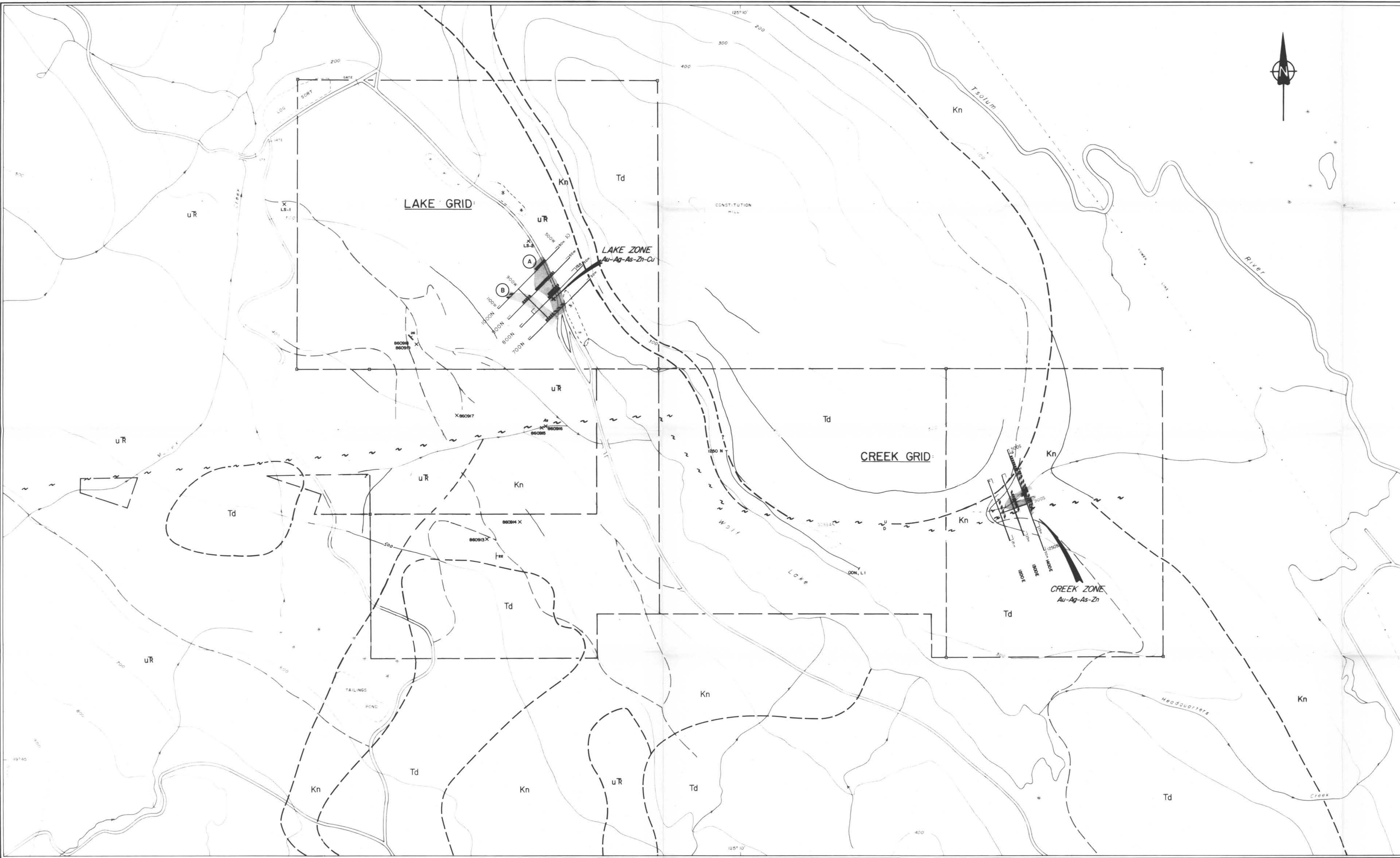
DATE SURVEYED: JULY 1986
APPROVED

NOTE- CONTOURS
AT LOGARITHMIC
INTERVALS. 1, -1.5
-2, -3, -5, -7.5, -10

MJC
DATE July 3/86

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LEGEND

- OLIGOCENE**
Td MT. WASHINGTON INTRUSIVES
 dacite porphyry
- UPPER CRETACEOUS**
Kn NANAIMO GROUP
 sandstone and shale
- UPPER TRIASSIC**
uR KAR MUTSEN GROUP
 basic volcanics
- x gold bearing mineralization
 - x rock sample location, refer to Appendix A.
 - - - lithologic contacts
 - - - attitude of bedding, veins
 - ~ ~ ~ faults
 - == main logging road
 - - - secondary logging road

- PACIFIC GEOPHYSICAL LTD.**
 INDUCED POLARIZATION ANOMALIES
- definite —————
 - probable - - - - -
 - possible - - - - -
- OUTLINE OF ANOMALOUS ZONE — [shaded area]
- NUMBER AT END OF ANOMALIES
 INDICATES SPREAD USED

Geology modified after D.J. Carson (1973)
 Topography adopted from Dept. of Energy, Mines and
 Resources 1:50,000 scale maps, SEF/11, 14
 Contour interval: 100 metres
 Magnetic declination (1986): 24° 30' E

PAN WORLD VENTURES INC.
GEOLOGICAL BRUJUSH CLAIMS
ASSESSMENT REPORT
15,034
 WOLF LAKE AREA, NTS 92F/14E
 NANAIMO MINING DIVISION, B.C.

SCALE 1:10,000
 100m 0 100 200 300 400 500m

by
AMERLIN EXPLORATION SERVICES LTD.
 106 - 525 Seymour St., Vancouver, B.C. V6B 3H7
 JULY, 1986

PLATES

LEGEND

OLIGOCENE
 Td MT. WASHINGTON INTRUSIVES
 dacite porphyry

UPPER CRETACEOUS
 Kn NANAIMO GROUP
 sandstone and shale

UPPER TRIASSIC
 uR KARMUTSEN GROUP
 basic volcanics

- x gold-bearing mineralization
- x rock sample location, refer to Appendix A.
- lithologic contacts
- zz attitude of bedding, veins
- ~ faults
- main logging road
- secondary logging road

INDUCED POLARIZATION ANOMALIES

- definite
- probable
- /// possible
- outline of anomalous zone
 number at end of anomalies indicates spread used

ANOMALOUS SOIL GEOCHEMISTRY

- Au > 40 ppb
- As > 75 ppm

L1, L2 reconnaissance soil lines, refer to APPENDIX A for values
 LS-1, LS-2 stream sediment samples, refer to APPENDIX A for values
 Geology modified after D.J. Carson (1973)
 Topography adopted from Dept. of Energy, Mines and Resources 1:50,000 scale maps, 92F/11, 14
 Contour interval 100 metres
 Magnetic declination 1986 = 13° 30' W

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

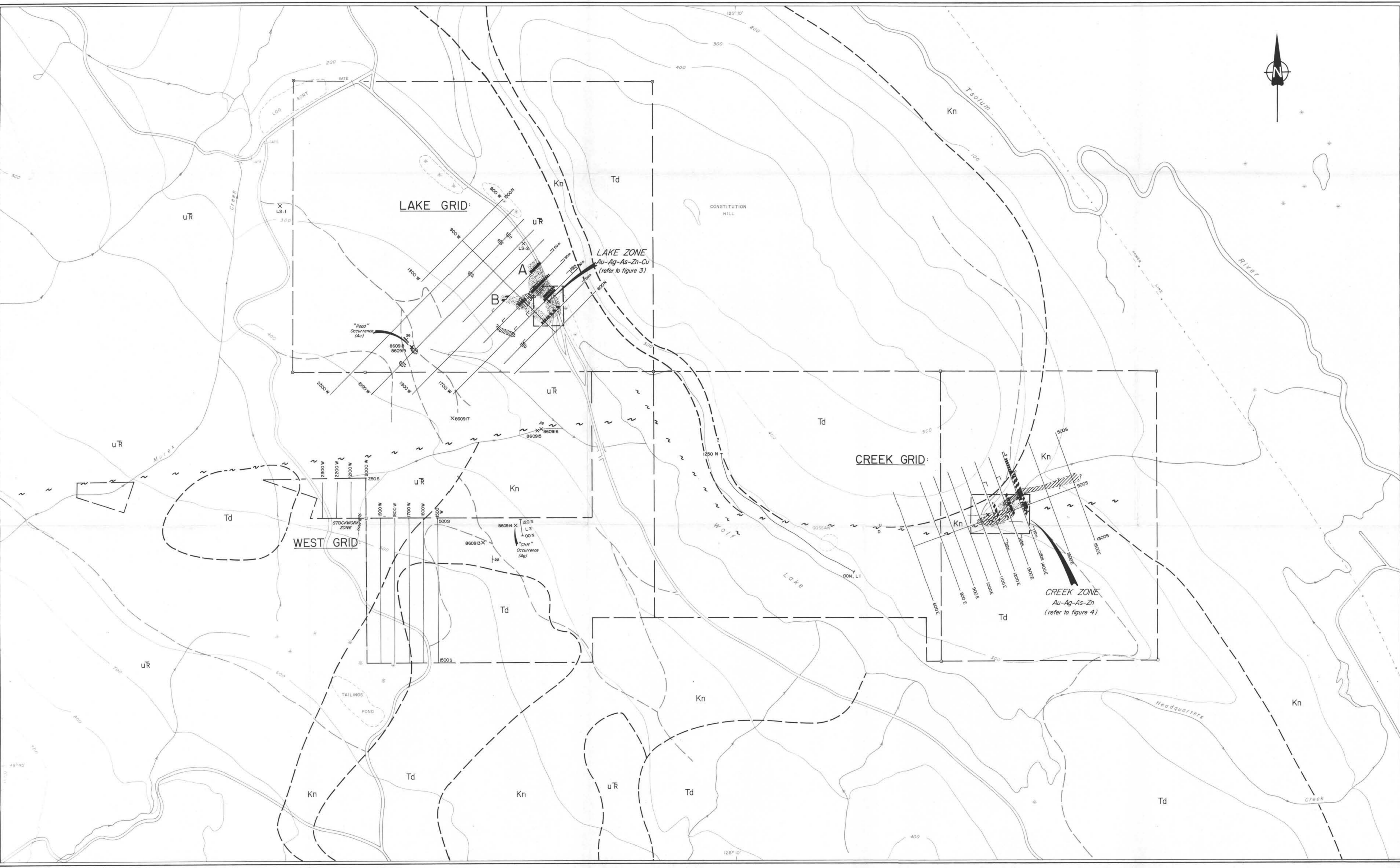
15.034
 PAN WORLD VENTURES INC.
 LUPUS CLAIMS

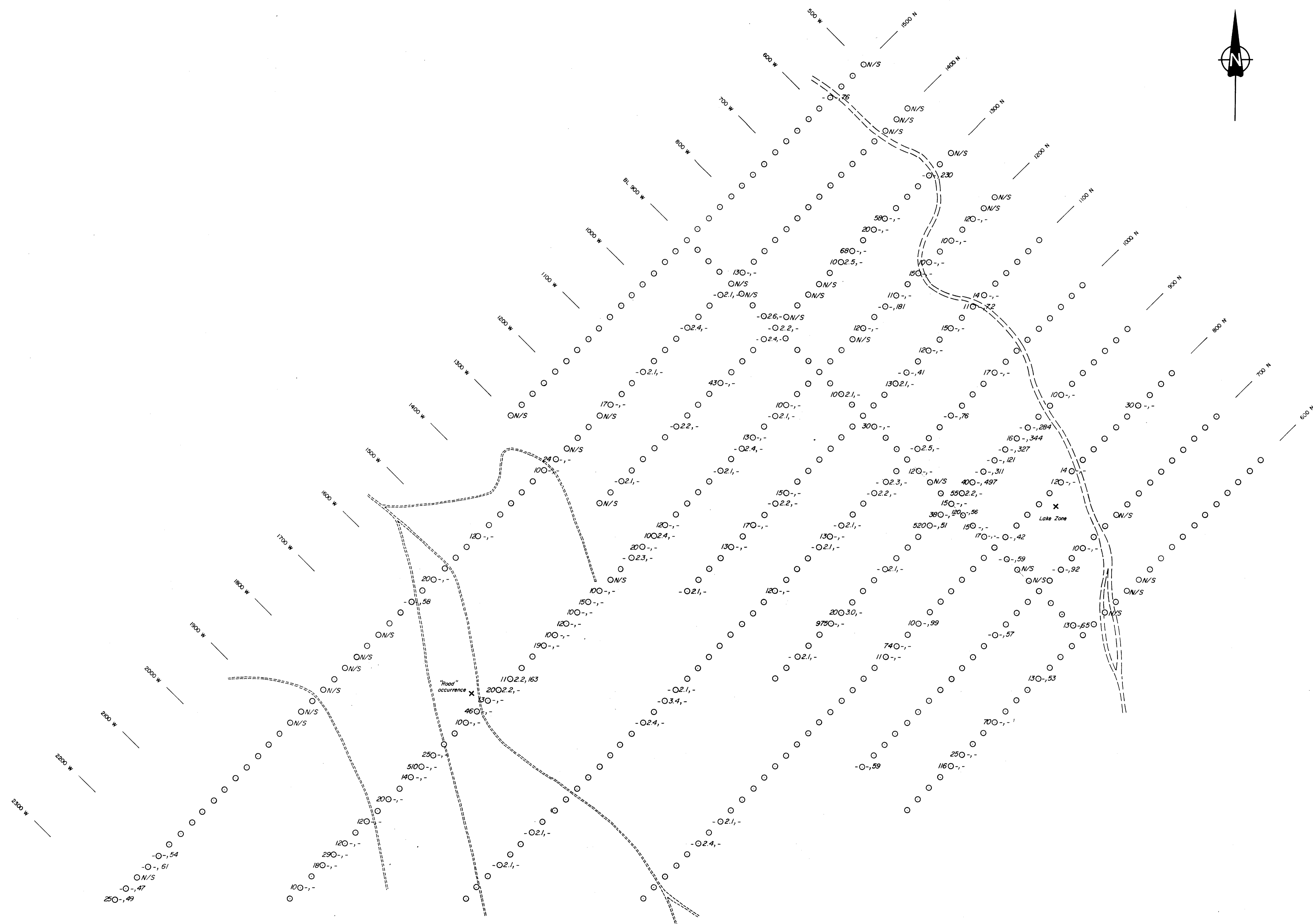
COMPILATION MAP

WOLF LAKE AREA, NTS 92F/14E
 NANAIMO MINING DIVISION, B.C.

SCALE 1:10,000
 100m 0 100 200 300 400 500m

by
 AMERLIN EXPLORATION SERVICES LTD.
 108 - 525 Seymour St, Vancouver, B.C. V6B 3H7





EXPLANATION

Au, Ag, As Soil Sample Site - Au in ppb, Ag in ppm, As in ppm

	Range	Background	Possibly Anomalous	Anomalous
Au	1 to 975	1 to 9	10 to 39	40 +
Ag	0.1 to 3.4	0.1 to 2.0	2.1 to 2.4	2.5 +
As	1 to 497	1 to 39	40 to 74	75 +

logging roads

Note - Refer to PLATE 1 for location of grid with respect to claims and topography.
 - Baseline 135° - 315°
 - sample interval 25 metres
 - background values are not plotted; "-" represents a background value

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

15,034

PAN WORLD VENTURES INC.

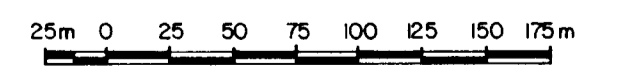
LUPUS CLAIMS

LAKE GRID

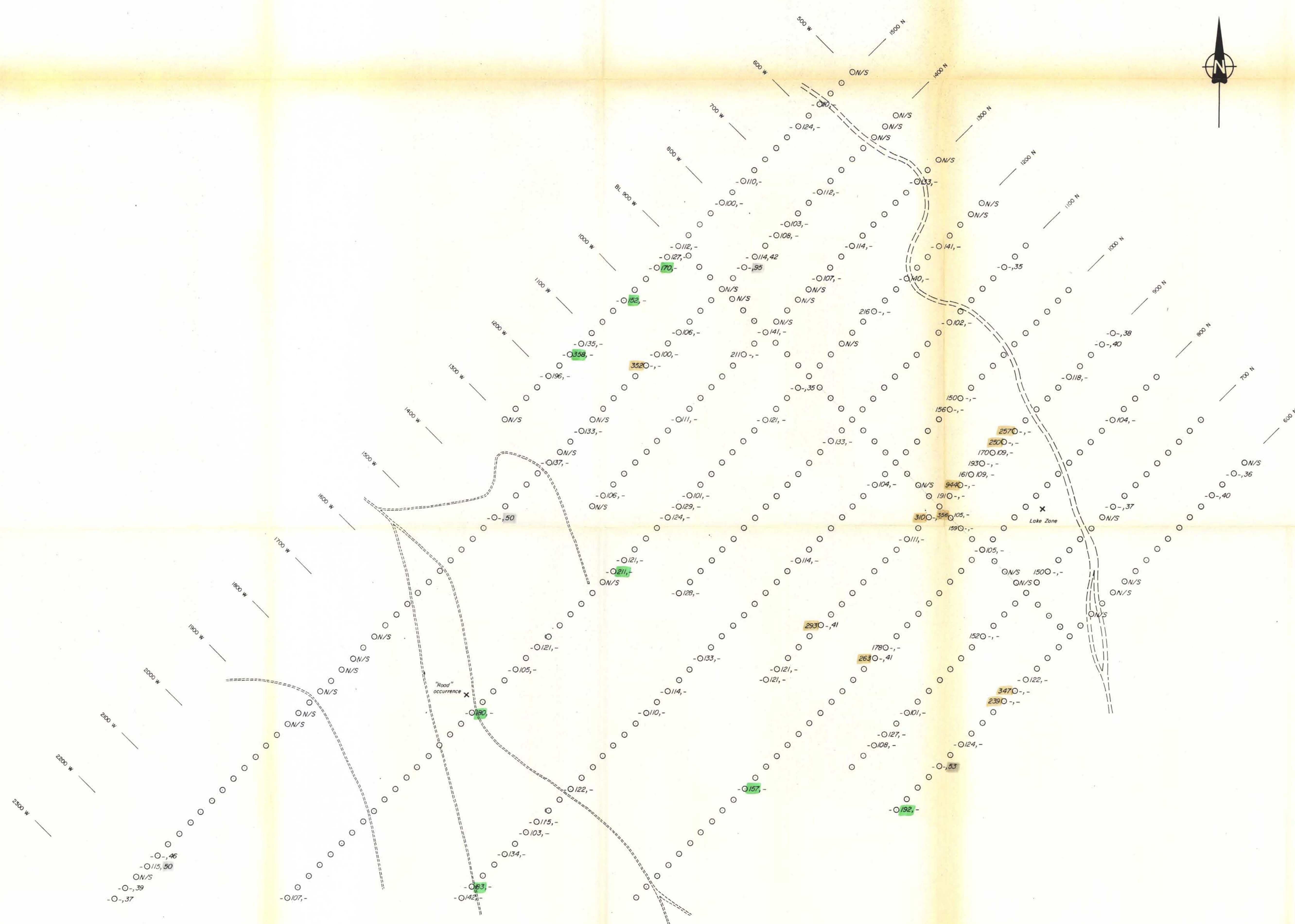
Au, Ag & As SOIL GEOCHEMISTRY

WOLF LAKE AREA, NTS 92F/14E
 NANAIMO MINING DIVISION, B.C.

SCALE 1:3,000



by
 AMERLIN EXPLORATION SERVICES LTD.
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EXPLANATION

Zn, Cu, Pb Soil Sample Site : Zn in ppm, Cu in ppm, Pb in ppm

	Range	Background	Possibly Anomalous	Anomalous
Zn	6 to 944	6 to 49	150 to 224	225 +
Cu	1 to 358	1 to 99	100 to 149	150 +
Pb	1 to 95	1 to 34	35 to 49	50 +

logging roads

Note: - Refer to PLATE 1 for location of grid with respect to claims and topography.
 - Baseline : 135° - 315°
 - sample interval 25 metres
 - background values are not plotted, "-" represents a background value

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

15,034

PAN WORLD VENTURES INC.

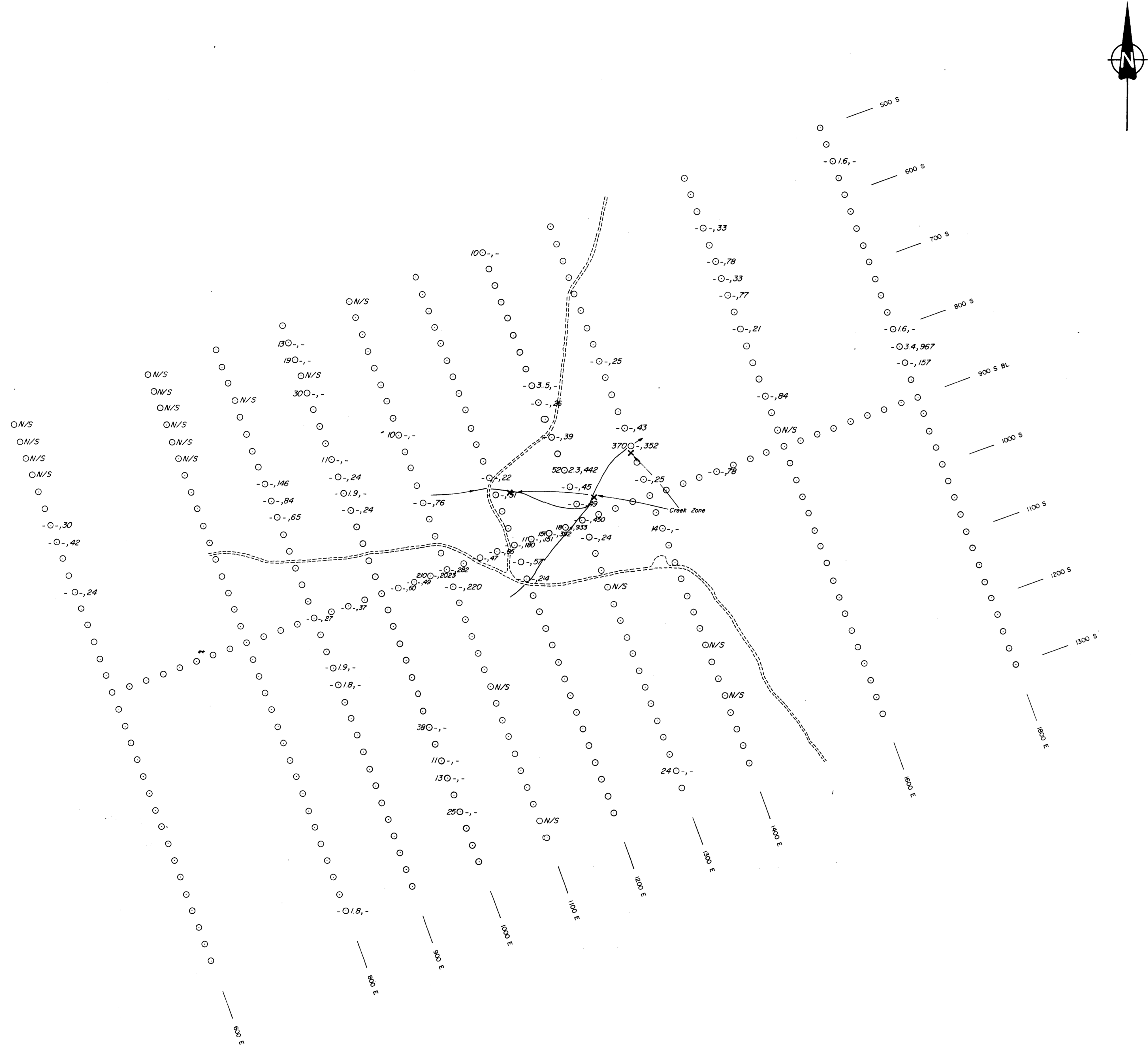
LUPUS CLAIMS
 LAKE GRID
 Zn, Cu & Pb SOIL GEOCHEMISTRY

WOLF LAKE AREA, NTS 92F/14E
 NANAIMO MINING DIVISION, B.C.

SCALE 1:3,000



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EXPLANATION

○ Soil Sample Site : Au in ppb, Ag in ppm, As in ppm

	Range	Background	Possibly Anomalous	Anomalous
Au	1 to 370	1 to 9	10 to 39	40 +
Ag	0.1 to 3.5	0.1 to 1.5	1.6 to 2.0	2.1 +
As	1 to 2023	1 to 20	21 to 49	50 +

— logging roads

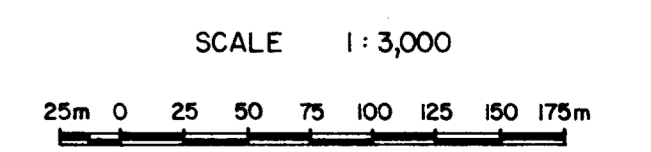
Note : - Refer to PLATE 1 for location of grid with respect to claims and topography.
 - Baseline : 070° - 250°
 - sample interval 25 metres
 - background values are not plotted ; "N/S" represents a background value

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,034
 PAN WORLD VENTURES INC.

LUPUS CLAIMS
 CREEK GRID
 Au, Ag & As SOIL GEOCHEMISTRY

WOLF LAKE AREA, NTS 92F/14E
 NANAIMO MINING DIVISION, B.C.



by
 AMERLIN EXPLORATION SERVICES LTD.
 108 - 525 Seymour St, Vancouver, B.C. V6B 3H7



EXPLANATION

Zn, Cu, Pb Soil Sample Site : Zn in ppm, Cu in ppm, Pb in ppm

	Range	Background	Possibly Anomalous	Anomalous
Zn	10 to 581	10 to 64	65 to 119	120 +
Cu	1 to 144	1 to 64	65 +	
Pb	1 to 832	1 to 49	50 to 74	75 +

logging roads

Note - Refer to PLATE 1 for location of grid with respect to claims and topography.
 - Baseline : 070° - 250°
 - sample interval 25 metres
 - background values are not plotted; "-" represents a background value

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,034

PAN WORLD VENTURES INC.

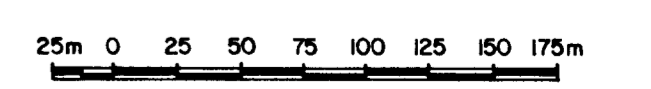
LUPUS CLAIMS

CREEK GRID

Zn, Cu & Pb SOIL GEOCHEMISTRY

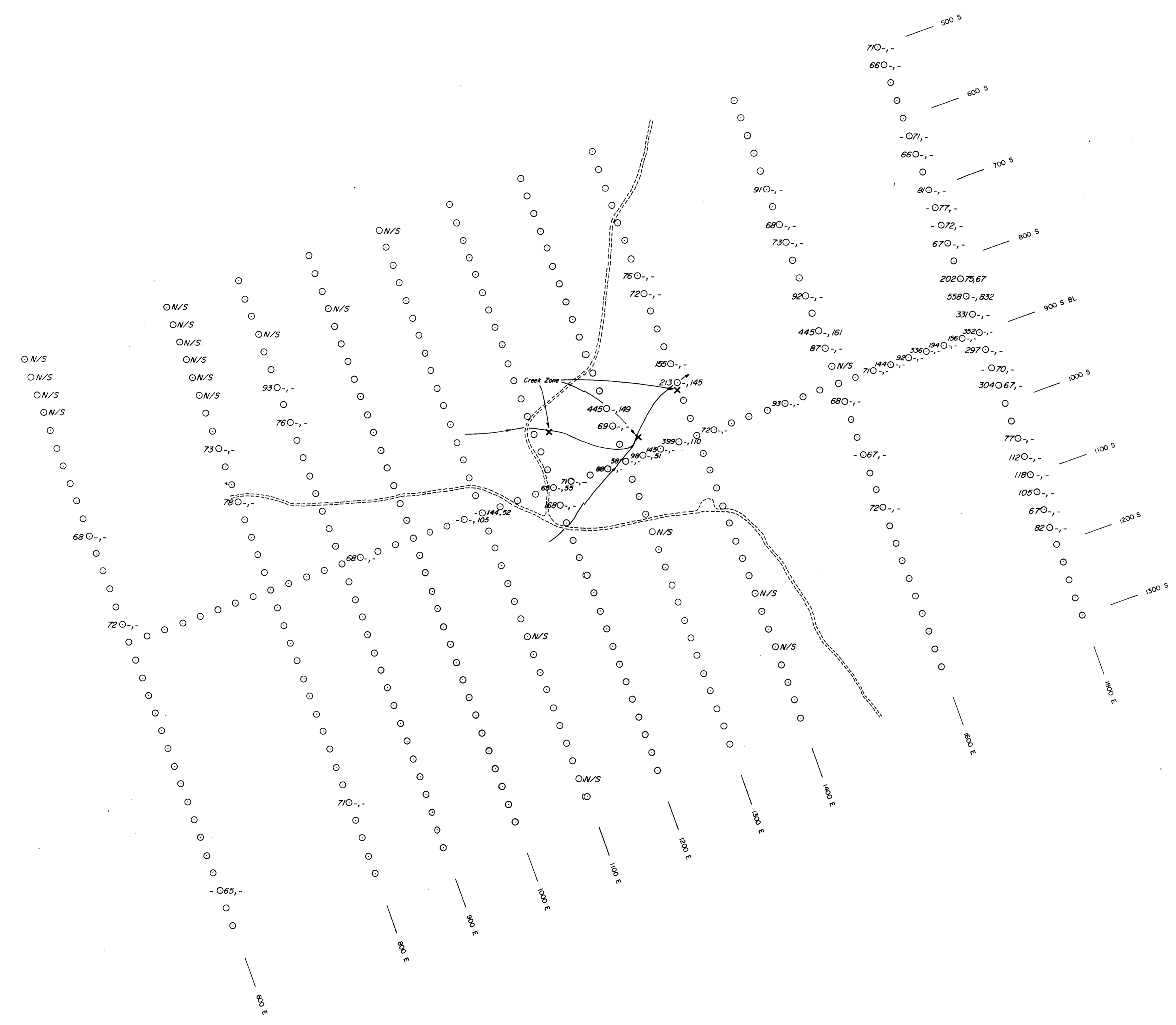
WOLF LAKE AREA, NTS 92F/14E
NANAIMO MINING DIVISION, B.C.

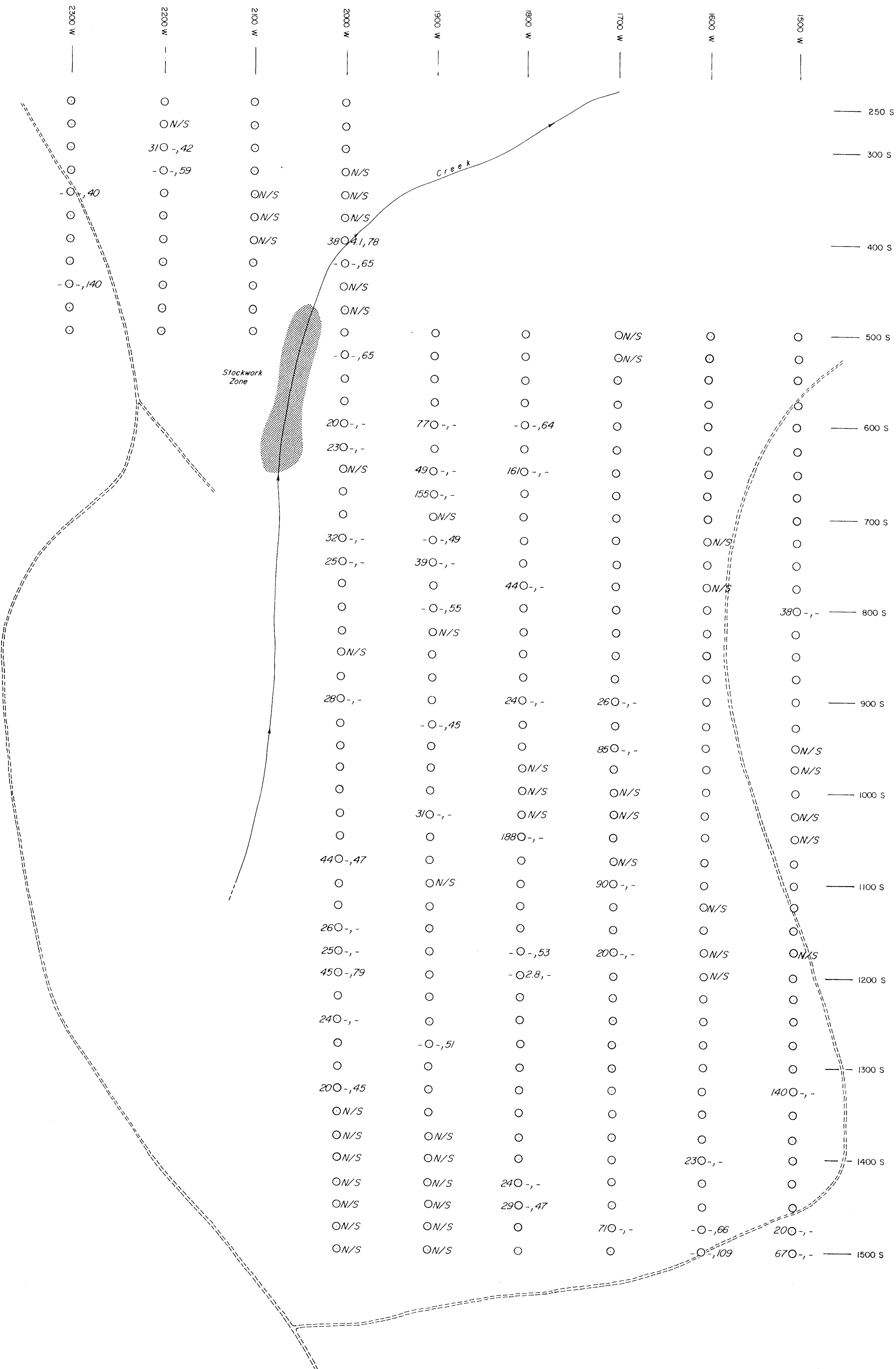
SCALE 1 : 3,000



by

AMERLIN EXPLORATION SERVICES LTD.
108 - 525 Seymour St, Vancouver, B.C. V6B 3H7





EXPLANATION

Au, Ag, As Soil Sample Site: Au in ppb, Ag in ppm, As in ppm

	Range	Background	Possibly Anomalous	Anomalous
Au	1 to 188	1 to 19	20 to 39	40 +
Ag	0.1 to 4.1	0.1 to 1.9	2.0 to 2.9	3.0 +
As	1 to 109	1 to 39	40 to 74	75 +

logging roads

Note: - Refer to PLATE 1 for location of grid with respect to claims and topography.
 - sample interval 25 metres
 - background values are not plotted; "ON/S" represents a background value

GEOLOGICAL BRANCH
 MANAGEMENT REPORT

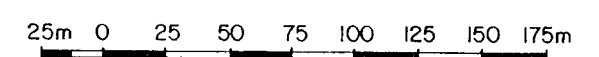
15.034
 PAN WORLD VENTURES INC.

LUPUS CLAIMS
 WEST GRID

Au, Ag & As SOIL GEOCHEMISTRY

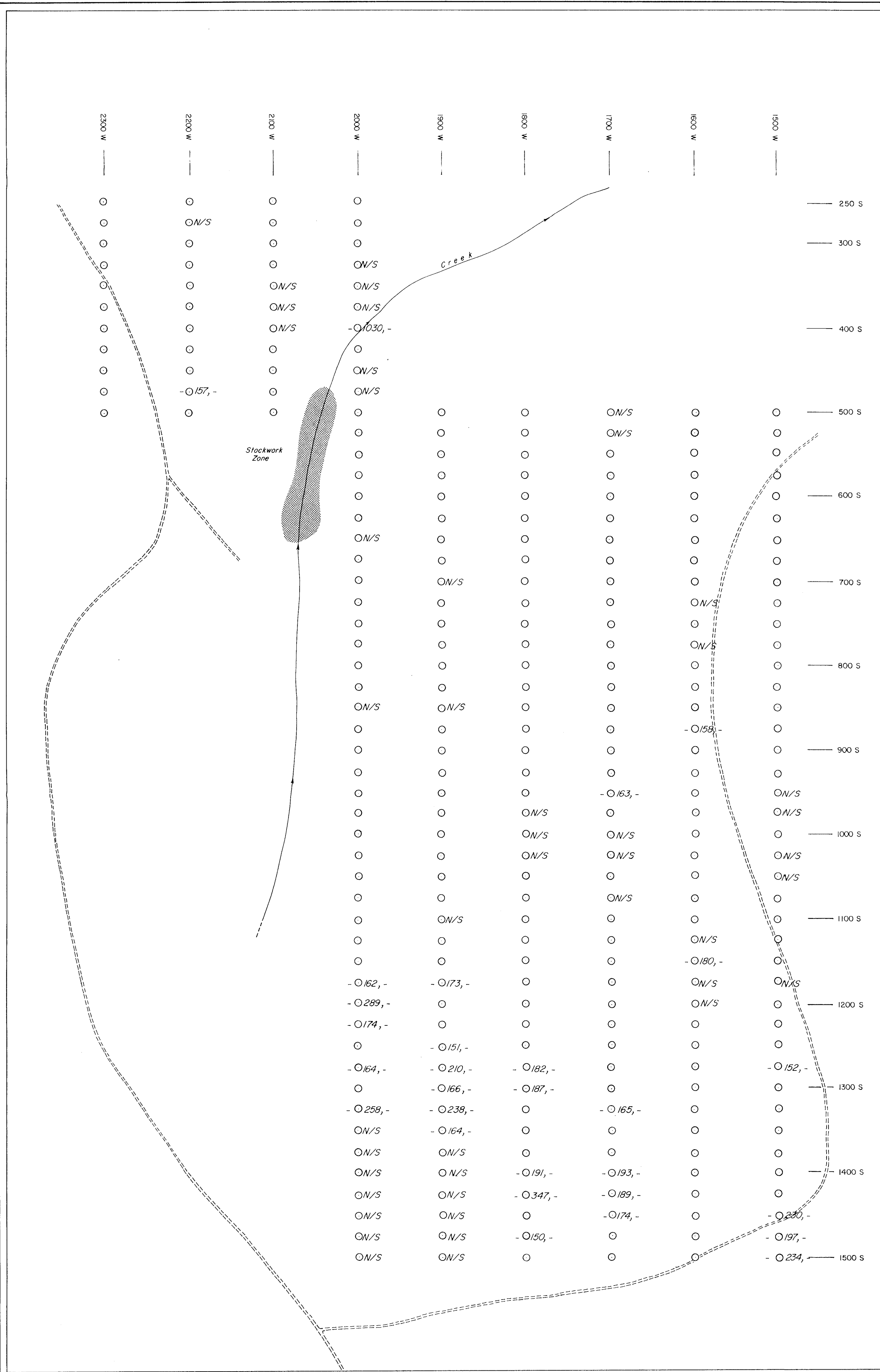
WOLF LAKE AREA, NTS 92F/14E
 NANAIMO MINING DIVISION, B.C.

SCALE 1:3,000



by

AMERLIN EXPLORATION SERVICES LTD.
 108 - 525 Seymour St, Vancouver, B.C. V6B 3H7



EXPLANATION

Zn, Cu, Pb Soil Sample Site : Zn in ppm, Cu in ppm, Pb in ppm

	Range	Background	Possibly Anomalous	Anomalous
Zn	12 to 82	12 to 82	—	—
Cu	6 to 1035	6 to 149	150 to 199	200 +
Pb	1 to 45	1 to 45	—	—

logging roads

Note: - Refer to PLATE 1 for location of grid with respect to claims and topography.
 - sample interval 25 metres
 - background values are not plotted; "-" represents a background value

**GEOLOGICAL BRANCH
 REPORT**

15,034

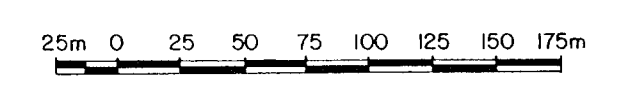
PAN WORLD VENTURES INC.

LUPUS CLAIMS
 WEST GRID

Zn, Cu & Pb SOIL GEOCHEMISTRY

WOLF LAKE AREA, NTS 92F/14E
 NANAIMO MINING DIVISION, B.C.

SCALE 1:3,000



by

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