

GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE
ETZEL AND WEDGE CLAIMS
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

BY

J. McCLINTOCK, P.ENG.

091870

LATITUDE: 62°07'

N.T.S.: 11513

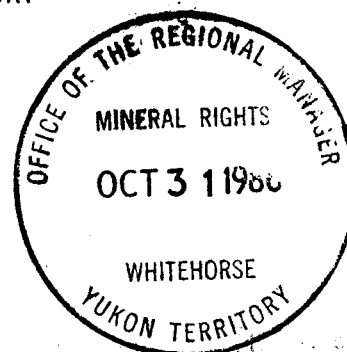
LONGITUDE: 137°11'

CLAIMS

RECORD NO.

WEDGE 1-2
WEDGE 11-14
ETZEL 1-50
PAM 1-12

YA82167-YA82168
YA82177-YA82180
YA86336-YA86385
YA94994-YA95005



PERIOD

VANCOUVER, B.C.

AUGUST 17 THROUGH SEPTEMBER 20, 1986

091870

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 21,000.00.

DA Emmond

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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SUMMARY:

A program of detailed geological mapping, reconnaissance and grid soil sampling was carried out by Pearl Resources on their ETZEL, WEDGE and PAM claims during the period August 17 through September 20, 1986, inclusive.

The program was designed to explore the property for gold-silver veins similar to those known on the nearby Brown-McDade and adjacent TAWA properties. During the program, the claims were geologically mapped at a scale of 1:5000, and approximately 1,155 soil samples and 19 rock samples were collected.

The claims are underlain by Upper Cretaceous to early Tertiary aged hornblende-biotite granodiorite, and dacitic to basaltic lavas and tuffs of the Eocene to Upper Cretaceous Mount Nansen Group. Both the granodiorite and Mount Nansen rocks are intruded by stocks and dykes of monzonite and feldspar-quartz porphyries. These dykes and stocks may in part be coeval with the Mount Nansen volcanics.

Grid soil sampling was focused in an area highlighted in 1971 by Brianconi and Saager as anomalous for Ag, Pb and Zn. Detailed soil sampling was also carried out over portions of the claims lying on strike with auriferous quartz veins on the adjacent TAWA claims.

Soil sampling identified several northwest trending gold soil anomalies up to 300m in length. Within these gold anomalies, quartz veins and sericitically altered granite float and bedrock occurrences were found. Analyses of the altered granodiorite and quartz veins yielded gold values to 0.029 oz/ton gold. Soil sampling also located coincident silver, lead and zinc anomalies. No source for the silver, lead and zinc anomalies were found.

The presence of large, still open, gold soil anomalies associated with low-grade, but anomalous gold values in float and bedrock occurrences of quartz vein and sericitized granite indicates potential for a vein or multiple vein deposit within the area defined by the gold anomalies. Because of the extensive overburden cover, a systematic program of excavator trenching will be required to locate and evaluate the veins.

INTRODUCTION:

In early 1986, Pearl Resources Ltd. acquired by option from Gordon Dickson his 56 claim ETZEL property near Mount Nansen, Yukon Territories. Shortly after optioning the property, Pearl Resources staked a further 12 claims, called the PAM claims.

Pearl Resources acquired the Etzel property for its potential to host either a high-grade gold-silver vein deposit similar to the nearby Brown-McDade deposit; or a low-grade, large-tonnage deposit amenable to heap-leach mining methods. Recent testing by Chevron Canada south of the Etzel property has demonstrated the disseminated gold mineralization on the Brown-McDade property to be amenable to heap-leaching extraction.

Evidence of gold-silver mineralization on the claims is indicated by anomalous precious metal value found during earlier stream sediment sampling and the presence of low-gold values in intensely sericitized grandiorite and quartz vein float.

During the period August 18 through September 4, 1986, a systematic program of grid soil sampling, reconnaissance soil and silt sampling, and detailed 1:5000 scale geological mapping was carried out over the claims. Grid-soil sampling was done in areas previously identified as anomalous for silver by silt sampling and over areas in which auriferous quartz veining had been found. The program was designed to locate the source of the anomalous silt samples and mineralized float. The following report details the August to September, 1986 work.

LOCATION AND ACCESS:

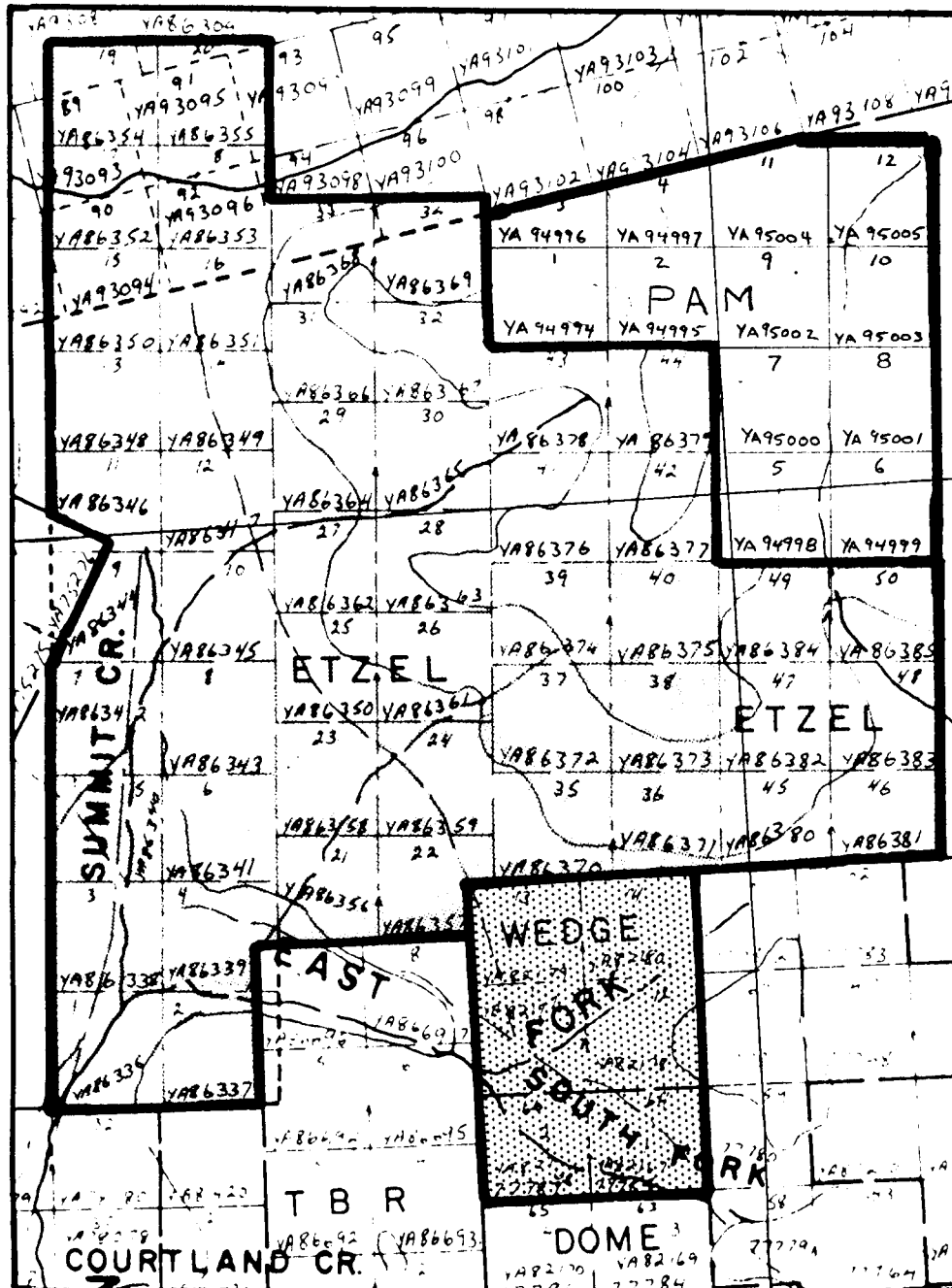
The Etzel property lies 50 km west of Carmacks, Yukon Territory (Figure 1), centered at latitude 62°07' north and longitude 137°11' west. Access to the property is by a network of good gravel road from Carmacks. A recently constructed road transects the west central part of the property, providing ready access to the claims.

CLAIM STATUS:

The Etzel property is in the Whitehorse Mining District, Yukon Territory. The property consists of 68 contiguous quartz claims. Where observed by the writer, these claims have been properly located according to the Act respecting Quartz Mining in the Yukon Territory.

Details of claims, as provided by the Mining Recorder, Whitehorse Mining Division are as follows:

<u>Quartz Claims Name</u>	<u>Grant Number</u>	<u>Recorded Owner</u>	<u>Expiry Date</u>
ETZEL 1-50	YA86336- YA86385	Gordon Dickson	18 Dec. 1986
WEDGE 11-14	YA82177- YA82180	Gordon Dickson	26 Sep. 1986
WEDGE 1-2	YA82167- YA82168	Gordon Dickson	26 Sep. 1986
PAM 1-12	YA94994- YA95005	Welcome North Mines Ltd.	16 Jun. 1987



QUARTZ CLAIMS



Etzel Group



Wedge Group



Pam Group

0 1 2 km

PEARL RESOURCES LTD.

ETZEL PROPERTY

WHITEHORSE MINING DISTRICT; YUKON TERRITORY

CLAIM MAP

BY: J.P. FRANZEN/d.w.

NTS: 115-1-3

DATE: APRIL, 1986

FIGURE: 2

PHYSICAL FEATURES:

The ETZEL property is at the southeast end of the Dawson Range (Figure 1). This mountain belt escaped Pleistocene continental glaciation. Hills and ridges are characteristically subdued and well-rounded with the drainage characterized by V-shaped valleys and an absence of lakes. Outcrop is scarce, generally comprising less than 5 per cent of the surface area. A blanket of volcanic ash covers much of the area. Permafrost is common.

The subject property covers the drainage divide between Mount Nansen and Victoria Mountain. Property elevations range from 1,190 metres at Nansen Creek to 1,770 metres on the southwest-facing slope of Victoria Mountain (Figure 3). Spruce, birch and polar cover the lower reaches of the property to an elevation of 1,220 metres. Above tree line, thick buck-brush extends to 1,500 metres, above which only grasses are present. Bedrock exposure is less than one per cent and is restricted to ridge crests on Victoria Mountain.

PROPERTY HISTORY:

The Mount Nansen area has a long exploration and mining history. Miners were first drawn to the area in the early 1900's with the discovery of placer gold deposits. By 1910, all creeks in the district were staked; however by 1930 only a few creeks were still being worked.

Intensive exploration was rekindled in 1943 with the discovery of several narrow gold and silver bearing veins. Surface and underground exploration of a number of the zones continued until 1947 when the area once again became dormant.

In 1964, underground development work resumed and culminated in 1968 with Mount Nansen Mines Ltd. placing the Huestis property into commercial production. Poor metals recovery and lower than forecast mill head grades resulted in closure of the mine in 1969. At this time several groups recognized the porphyry copper-molybdenum potential of the area. Cyprus Mines Corporation conducted a comprehensive porphyry exploration program from 1971 to 1973. Recently, the recognition that the near surface gold-silver-mineralization may be amenable to heap-leach extraction methods has rekindled interest in the area resulting in the exploration of the area for bulk-tonnage precious metal deposits.

The first recorded exploration work within the boundaries of the Etzel property was in 1971, when Mount Nansen Mines carried out reconnaissance geological mapping and silt sampling programs (Bianconi and Saager, 1971). Silt sampling highlighted the central portion of the Etzel claims as anomalous for silver, lead and zinc.

In 1971, Cyprus through Area Exploration, carried out geological, geochemical and geophysical surveys over what is now the Wedge claims. These programs lead to subsequent programs of trenching and drilling along the southern perimeter of the claims. Results of Cyprus remain confidential and were, therefore, not available to the writer. Jeff Franzen, P.Eng., who has reviewed the Area Reports, reports that "six diamond drill holes totalling 1,115 metres and one percussion drill hole totalling 73 metres are located on or just inside the southern perimeter of the subject property (Franzen, J.P., 1986)." During

the current exploration, the writer observed 2 drill sites on the Wedge 2 and one drill site on the Wedge 11 claim. No evidence of trenching or drilling was observed within the area outlined as anomalous by Mount Nansen Mine's program.

In 1984, Gordon Dickson staked the property on the Etzel and Wedge claims and conducted a limited trenching program in 1985. Pearl Resources acquired the Etzel property in early 1986 and added, by staking, the Pam claims.

1986 WORK PROGRAM:

The 1986 program consisted of a geochemical and geological evaluation of the Etzel property designed to identify gold-silver mineralization similar to that known on the nearby Brown-McDade, Huestis and Webber vein systems.

As outcrop forms less than 5 per cent of the surface area of the claims, emphasis was placed on geochemical exploration. To this end, 1,155 soil and silt samples were collected and analyzed for gold, silver, lead and zinc.

Three separate soil grids were established. The main grid was put in over a 1.5km by 1.0km area of the central portion of the claims in an area defined as anomalous for silver by reconnaissance silt sampling. Within the 1.5km by 1.0km area northeasterly oriented flagged lines at 100 metre spacings were established. Soil samples were collected along the lines at 20 metre intervals. A second soil grid was established over the Wedge 1, 2, 11 and 12 claims. Here, east-west oriented soil lines at 150 metre spacing were flagged. Soil samples were collected along these lines at 20 metre intervals. A third grid consisting of two north-north easterly trending lines spaced 150 metres apart was established adjacent to the western boundary of the claims. Here, soils were collected at 25 metre intervals. Elsewhere, soil samples were collected at 25 metre intervals along previously excavated trenches. Reconnaissance silt sampling was done in areas not subjected to detailed soil sampling.

Concurrently with the geochemical sampling 1:5000 scale geological mapping was undertaken. Because of the paucity of rock exposure, much of the geological interpretation is based on float mapping.

REGIONAL GEOLOGY AND MINERALIZATION:

The regional geology in the Mount Nansen District is presented on Figure 3 and shows the area to be underlain by a complex assemblage of metamorphic, volcanic and intrusive rocks.

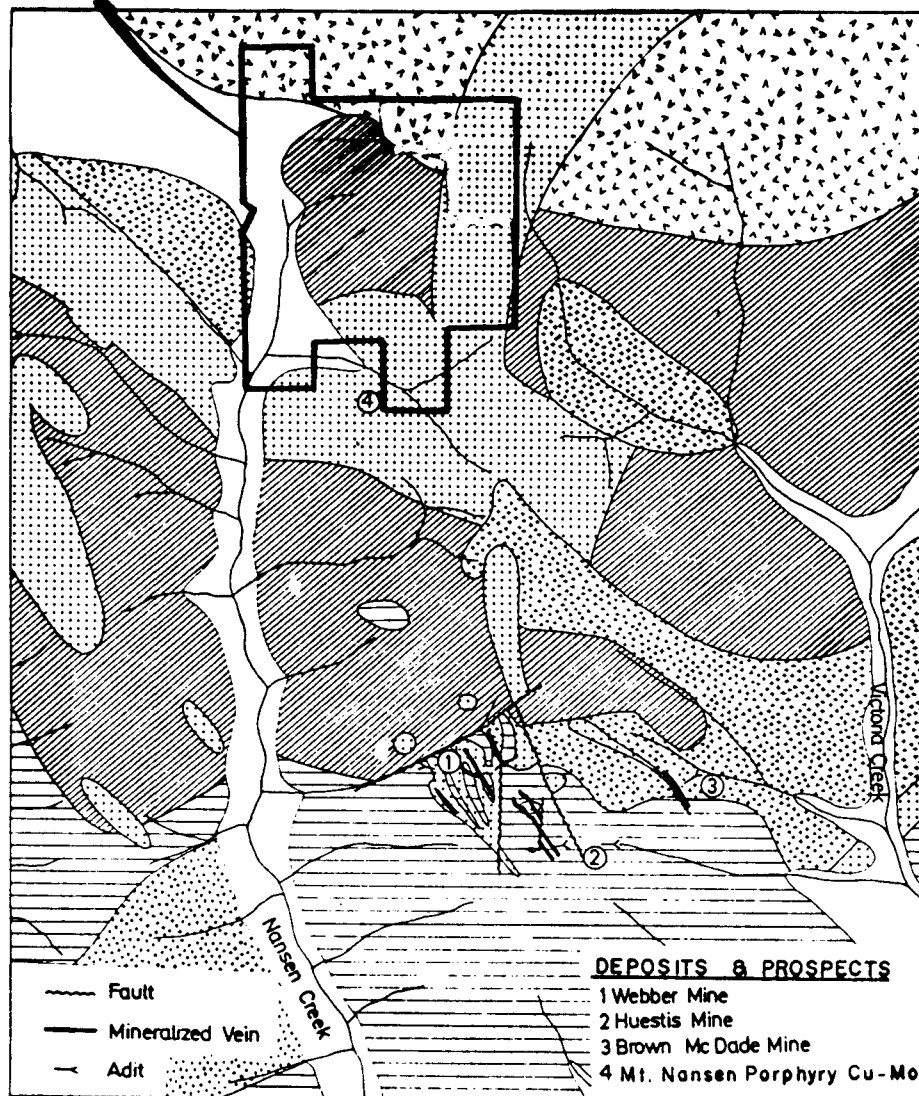
The oldest rocks in the district are meta quartzites, mica schists and gneisses of the Yukon Metamorphic Complex. Their structural grain trends north-south. Unconformably overlying these metamorphic rocks are volcanic rocks of the early Eocene Mount Nansen Group. Typically, these volcanic rocks consist of andesite flow breccia, tuffs and porphyritic dykes. Intrusive into the metamorphic and volcanic rocks are northwest trending granodiorite batholiths. All of the previously mentioned rocks are intruded by a number of quartz-feldspar rhyodacite dykes, small plugs, breccia bodies and stocks. These porphyritic intrusives are hydrothermally altered to varying degrees and it is with these altered porphyry bodies that the known precious and base metal occurrences are associated.

Gold and silver mineralization occur in two types of deposits: in epithermal base metal veins; and in copper-molybdenum porphyries. Both the vein and porphyry-type mineralization are spatially related to Mount Nansen volcanic and subvolcanic centers.

Epithermal precious metal veins are best developed in the schists and gneisses of the Yukon Metamorphic and in the granodiorite rocks. The mineralized zones are spatially related to altered feldspar porphyry dykes and consist of single or multiple vein systems occupying northwest trending fault or fracture zones. The wall rocks are variably sericitically and argillically altered. The known vein systems in the district include the Huestis, Webber, Brown-McDade, Iron Creek and TAWA zones.

Porphyry copper-molybdenum mineralization occurs in stock-like body of quartz-feldspar porphyry. Chalcopyrite-chalcocite and molybdenite occur as fracture fillings, in quartz veinlets and as disseminations in phyllically altered zones associated tourmaline breccia pipes. Gold values to 0.01 opt gold over 3 metres have been reported (Franzen, J.P., 1986).

ETZEL PROPERTY



LEGEND



Alluvium



Porphyry Intrusions



Granodiorite



Syenite



Mt. Nansen Volcanics



Yukon Metamorphic Complex

0 1000 2000 3000 4000 5000 METRES

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ETZEL PROPERTY

WHITEHORSE MINING DISTRICT; YUKON TERRITORY

DISTRICT GEOLOGY

BY: J.P. FRANZEN/d.w.

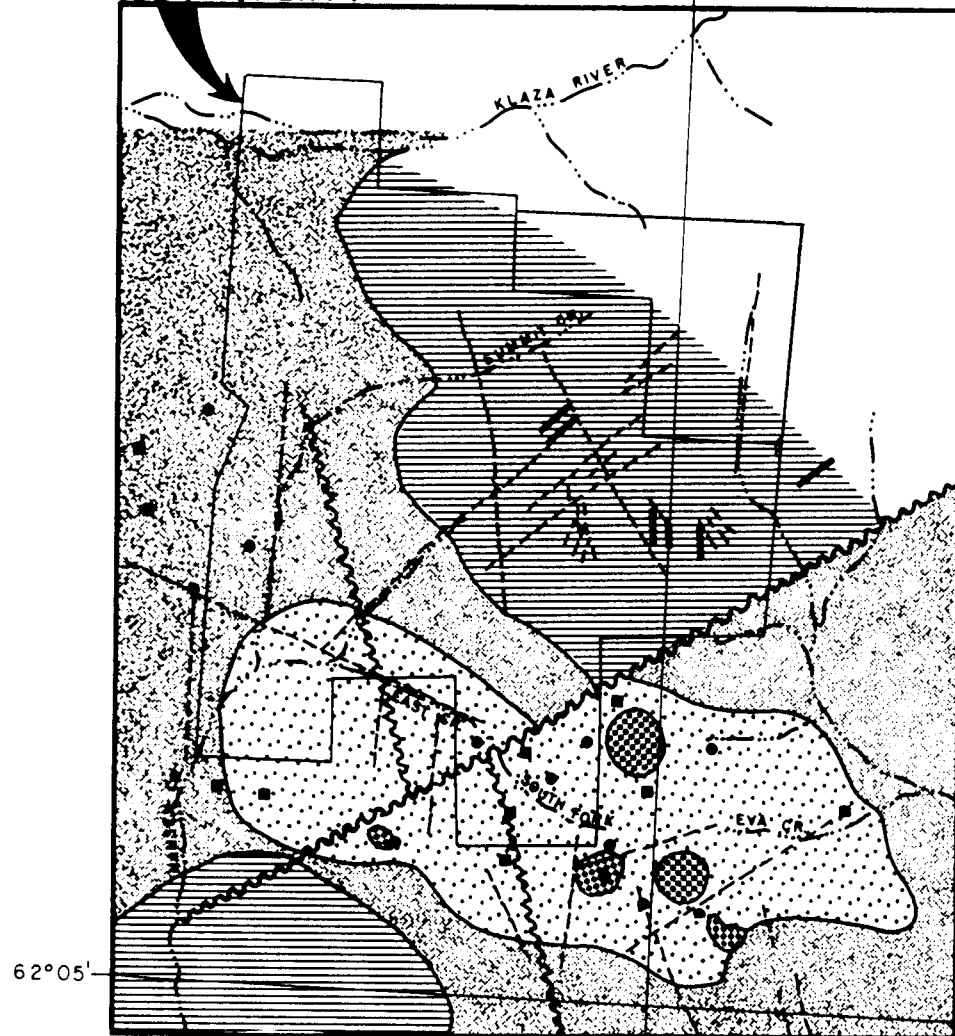
NTS: 115-1-3

DATE: APRIL, 1986

FIGURE: 5

ETZEL PROPERTY

137° 10'



(After: Dickenson & Lewis, 1972)

0 1 2 3 kilometres

LEGEND

-  Rhyodacite Breccia Pipe
-  Rhyodacite Porphyry
-  Granodiorite
-  MT. NANSEN GROUP
Andesite Porphyry
-  Fault
-  Air Photograph Lineament
-  Geological Contact
-  Volcanic Dykes
-  Percussion Drill Hole
-  Diamond Drill Hole



PEARL RESOURCES LTD.

ETZEL PROPERTY

WHITEHORSE MINING DISTRICT; YUKON TERRITORY

PROPERTY GEOLOGY

BY: J.P. FRANZEN/d.w.

NTS: 115-1-3

DATE: APRIL, 1986

FIGURE: 6

PROPERTY GEOLOGY:

Geological mapping was hampered by the lack of good rock samples. Rock outcroppings are for the most part, confined to ridge tops, road cuts and a few trenches. Much of the geological interpretation is therefore based on float mapping. However, as the area has not been glaciated, most rock-float has only been subjected to down-slope movement, therefore, float mapping is believed to be reasonably accurate.

Four main rock types were recognized within the confines of the property boundaries. These are: hornblende-biotite grandiorite; andesitic to basaltic volcanic rocks of the Mount Nansen Group; rhyodacite feldspar and quartz feldspar porphyries; and hornblende monzonites to syenites (Figure 4).

Granodiorite occurs in the western part of the claims underlying much of the Summit Creek Valley. Exposures of the grandiorite are poor, being restricted to road cuts and trenches. Where observed, it is medium grained with a hypidiomorphic granular texture of feldspar, quartz, hornblende and biotite. The rock is weakly propylitized with sauceritized plagioclase and chloritized mafic minerals.

Lying east of the granodiorite and well exposed along ridge crests are basaltic and andesitic rocks of the Mount Nansen Group. The contact between the Mount Nansen rocks and the granodiorite is not exposed. Published geological maps of the area (Sawyer and Dickenson, 1976) interpret the granodiorite as being intrusive into the Mount Nansen rocks. No evidence was found in the current study to support or refute this interpretation.

The Mount Nansen Group rocks on the claims are divisible into basaltic tuffs, agglomerates and breccias to the north, and andesitic autobrecciated flows, minor tuff and related porphyritic dykes lying to the south. Based on float mapping, the basaltic rocks appear to overlie the andesitic rocks. Both the basalts and andesites are moderately propylitized with mafic minerals chloritized and seams and veinlets of epidote and lesser calcite common.

A small, stock-like rhyolite intrusive intrudes the basaltic tuffs. This rock type is white with an aphanitic texture. This rhyolite has been tentatively included in the Mount Nansen Group.

Rhyodacitic quartz-feldspar and feldspar porphyry intrude both the Mount Nansen rocks and the granodiorite. The porphyries are light tan coloured and consist of medium grained tabular feldspar phenocrysts with lesser amounts of rounded quartz phenocrysts and occasional fine-grained hornblende in a very fine grained to aphanitic felsic groundmass. Phenocryst typically form 30 to 50 per cent of the rock. The porphyries are hydrothermally altered to varying degrees of sericitization and kaolinization. Limonite and jarosite coated cavities indicate that these rocks were pyritized.

The porphyries form stock-like bodies and dykes that are intrusive into the granodiorite and Mount Nansen Group. The main area of rhyodacite porphyry is in the south of the property on the Wedge 1, 2, 11 and 12, where an east-west trend oval shaped stock occurs. A smaller plug of quartz-feldspar porphyry was found north of the main intrusive. Here, rhyodacite forms a circular stock measuring 400 metres in diameter. Elsewhere, the porphyries form narrow (10 metres) northwest trending dykes.

Hornblende monzonite is a coarse grained, hypidiomorphic granular rock comprised predominantly of feldspar with lesser hornblende. Near its contacts the monzonite is porphyritic. A large intrusive mass of monzonite is present in the north of the claims, and northerly trend apophysis of the monzonite intrudes southward into the Mount Nansen Group rocks. Northerly trending monzonite-syenite dyke swarms also transverse the center part of the claims. Syenite-monzonite dykes were observed cutting all rock types, including rhyodacite porphyries. The monzonite-syenite is generally fresh with only weak chloritization of the hornblende.

MINERALIZATION:

Quartz veining associated with sheared sericitized rock was found at several separate localities on the property. Most of the quartz veining and associated altered rock occurs as float, however, at two places quartz veins and altered rock were found in place.

The bedrock occurrences are on the Etzel 11 claim and on the Etzel 35 claim (Figure 4). These showings were discovered in 1985 by Gordon Dickson while attempting to find the source of quartz float. The Etzel 11 showing is a 345° trending, 3 metre wide shear zone in biotite hornblende granodiorite. The shear zone is intensely sericitized and limonite stained, with a 0.5 metre wide core containing light grey to white drusy to chalcedonic quartz. Rare traces of arsenopyrite and pyrite were observed, but for the most part the sulphides have been leached. The altered shear has been stripped for 10 metres along strike and remains open in all directions. Samples collected from the zone contained up to 0.029 oz/ton (Figure 7).

On the Etzel 35 claim, an altered shear zone up to 3 metres wide is exposed over a distance of 15 metres. This zone trends 340° and consists of well sericitized granodiorite containing banded and drusy quartz stringers. Both the wall rock and vein material are jarosite and limonite stained. Paralleling the zone is a kaolinitized feldspar porphyry dyke. Sampling of the zone return low, but anomalous gold values (Figure 8). The altered zone remains untested on strike and to depth.

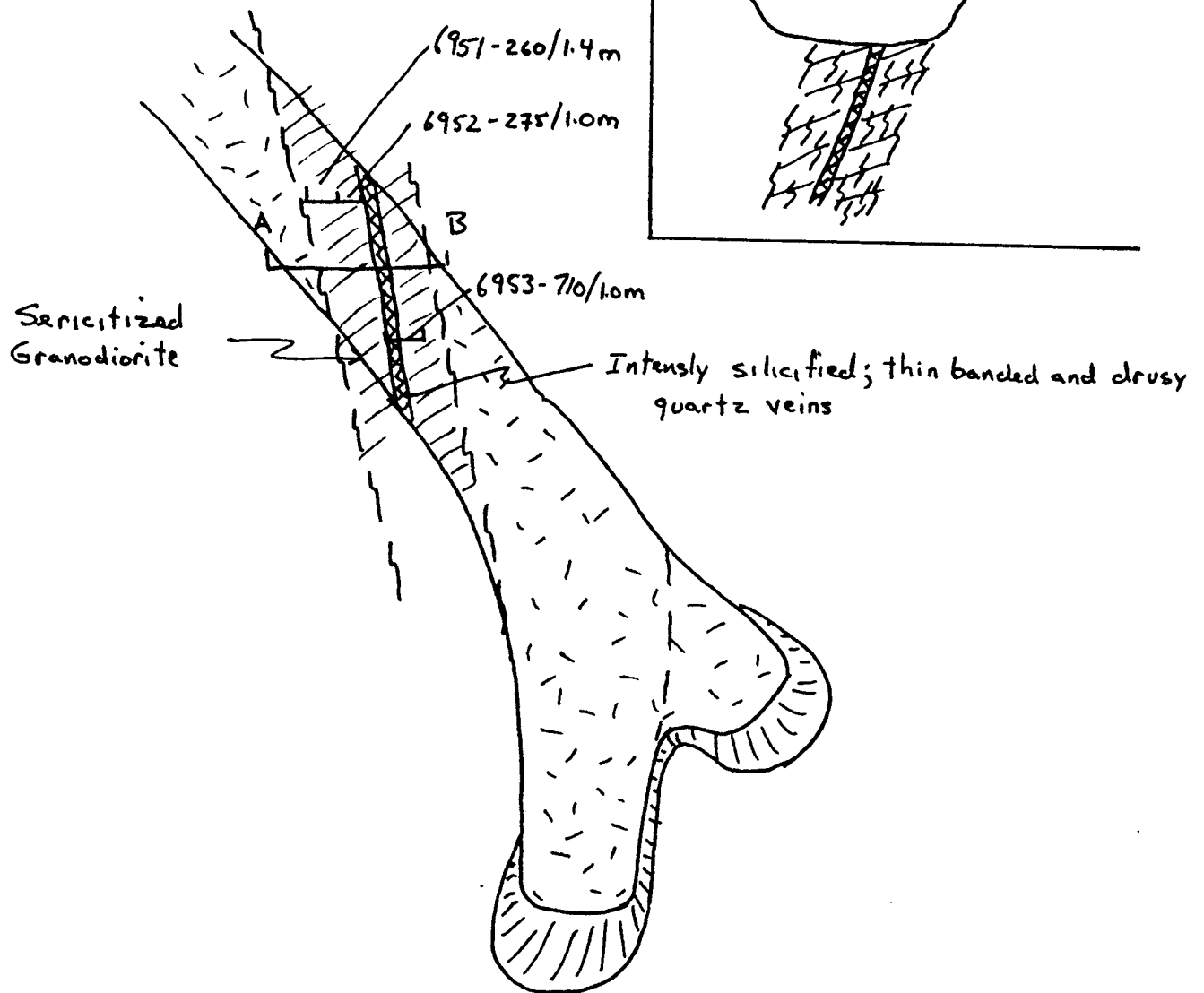
Elsewhere within the area underlain by granodiorite, limonitic quartz vein float was noted at several places on the claims (Figure 4). In the valley of Summit Creek, widespread quartz float was found in trenches and road cuts on the Etzel 11 claim near the boundary with the TAWA claims, and at two locations on the Etzel 8 claim. Grab samples of the quartz returned assays up to 275 ppb.

ETZEL II SHOWING



PLAN MAP

SECTION



6953-710/1.0m
.... Sample Location
with Au in ppb over
interval in metres

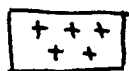
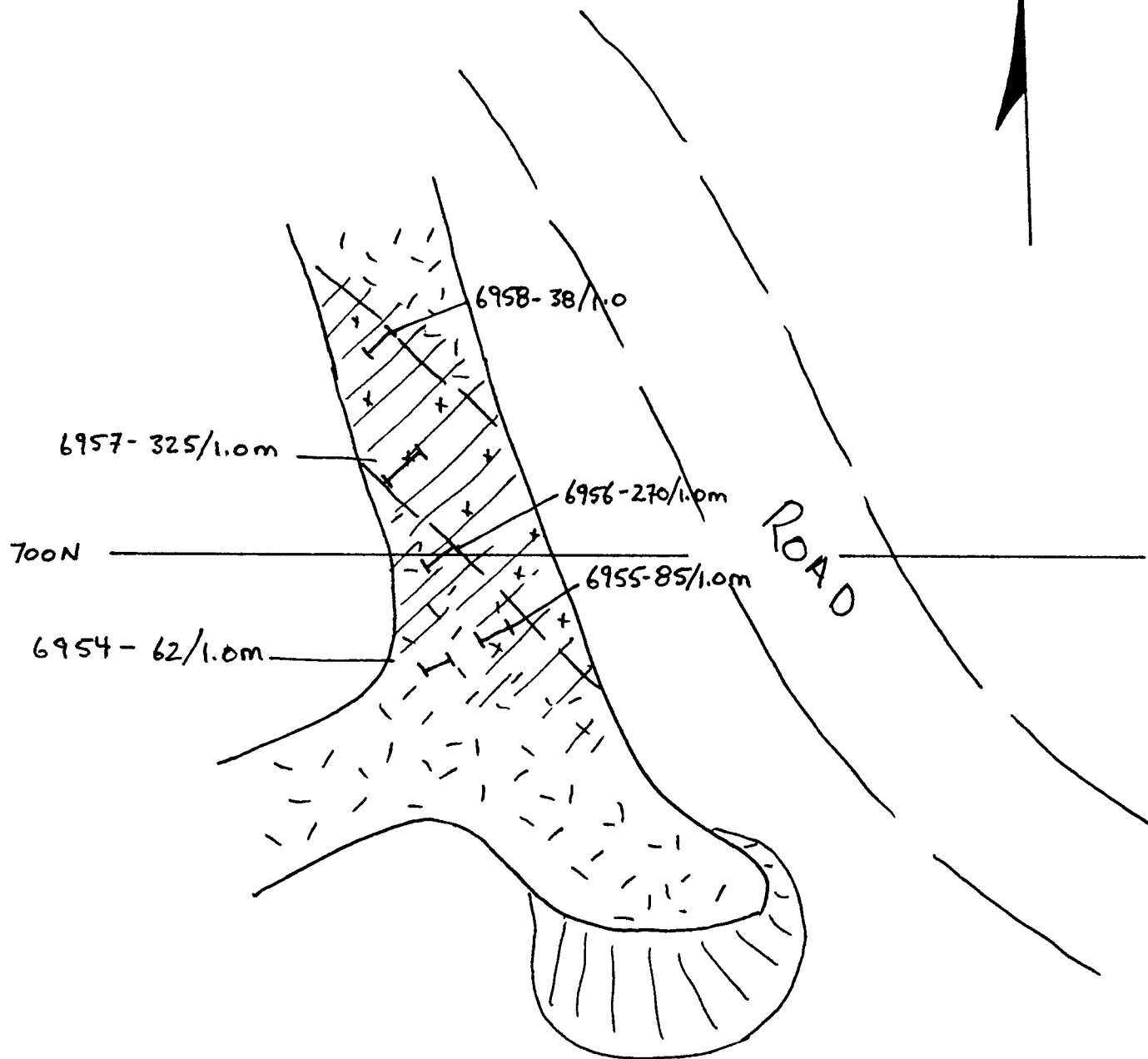
Scale



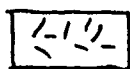
Figure 7

ETZEL 35 SHOWING

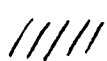
14 (B)



..... Feldspar Porphyry



..... Granodiorite



..... Intensely Sericitized
and/or Kaolinized rock



6954-62/1.0m

..... Sample Location, with
Au in ppb over interval in metres

Scale 1:100

0 1 2 3 4 5 metres

Figure 8

Several occurrences of quartz vein float were found in areas underlain by Mount Nansen volcanic rocks. Here, chalcedonic quartz and quartz-carbonate cemented breccias occur in kaolinitized quartz-feldspar or feldspar porphyry dykes. Analyses of the altered and quartz veined rock, were, in all cases less than 100 ppb gold. The lower temperature quartz veining (chalcedony) and lower intensity of alteration in these volcanic-hosted veins may indicate these veins to be at a higher level in the epithermal system. The Mount Nansen volcanic hosted veins therefore may represent the upper parts of the vein systems exposed in the granodiorites.

GEOCHEMISTRY:

Soil samples were collected from predetermined sites using a shovel. Except where permafrost necessitated collecting "A" horizon material, soil was collected from the "B" or "C" soil. Silt samples were collected from the finest material available in the active channel of the stream. Soil and silt were placed in Kraft paper envelopes and sent to Min-En Laboratories in North Vancouver, where the samples were oven dried, screened to -80 mesh and analyzed for gold, silver, lead and zinc. Silver, lead and zinc analyses was by standard atomic absorption techniques utilizing a 0.5 gram sub-sample that had undergone a hot nitric-perchloric digestion. Gold analyses was by atomic absorption utilizing a 5 gram sub sample digested by aqua regia extraction. Values for silver, lead and zinc are reported in parts per million (ppm) and gold in parts per billion (ppb).

Sample locations and analytical results for gold, silver, lead and zinc are plotted on Figures four through six. Statistical tests on the analytical results of soil samples show that all of the analyzed elements have a log normal distribution (pages 4 to 6). Threshold and anomalous levels for each of the elements were chosen at the 90th and 95th percentile and are summarized in Table I. Values for silver, lead and zinc were contoured at the threshold levels, while anomalous gold values have been contoured.

TABLE ISTATISTICAL SUMMARY OF ANALYTICAL RESULTS

<u>Element</u>	<u>Threshold</u>	<u>Anomalous</u>
Gold	25.0 ppb	50.0 ppb
Silver	1.7 ppm	2.1 ppm
Lead	100.0 ppm	135.0 ppm
Zinc	160.0 ppm	190.0 ppm

Contouring of the gold results at the 50 ppb level highlighted several areas of northwest trending anomalies in the western part of the Etzel claims (Figure 3). These anomalies are linear and extend for over 300 metres on strike with widths to 80m. Gold values are up to 310 ppb. Elsewhere on the property, gold values are restricted to single or double sites. Silver,

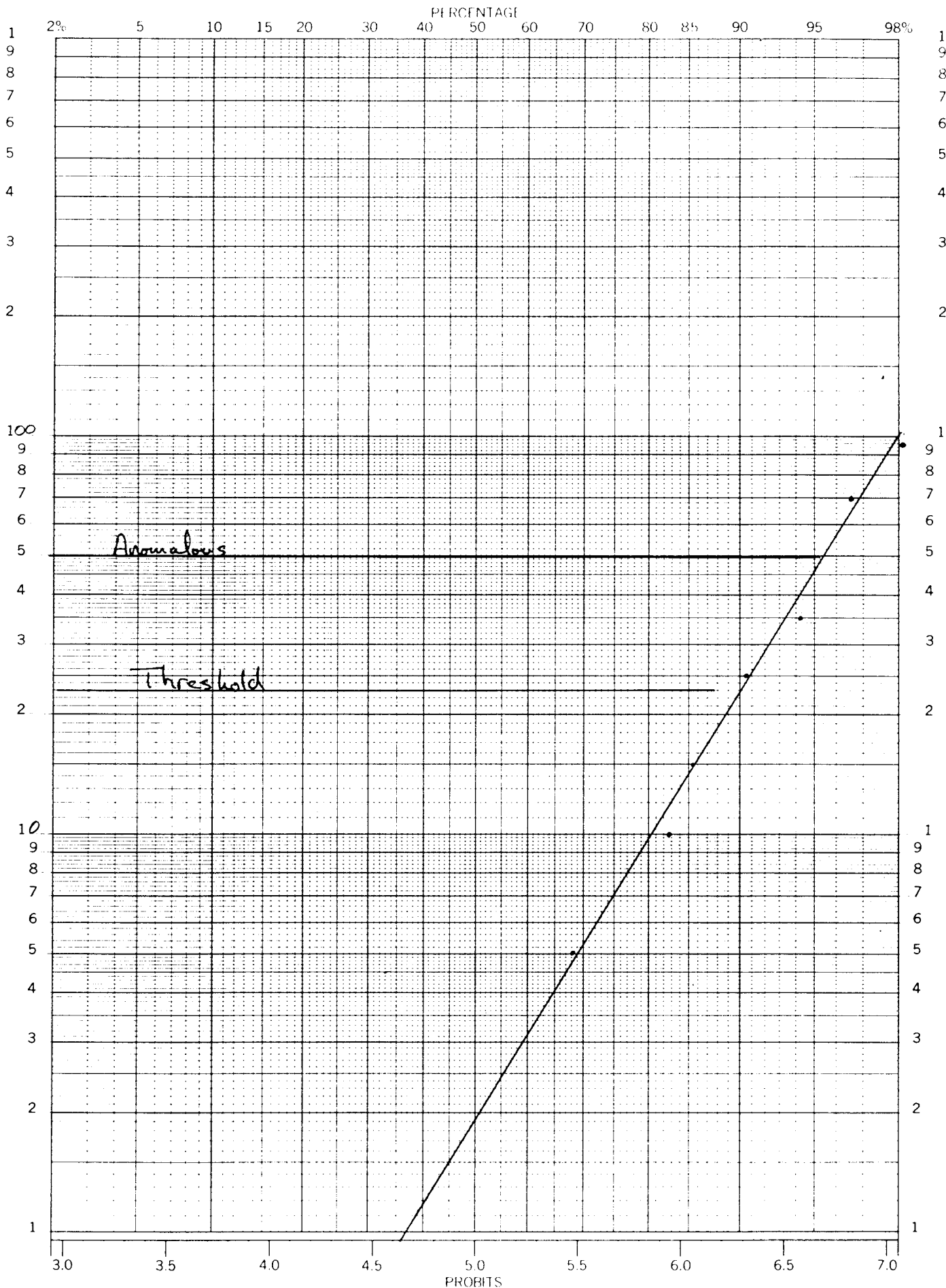
LOG PROBABILITY PLOT - Au

17.

46 8080

Au
ppb

PROBABILITY X 3 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

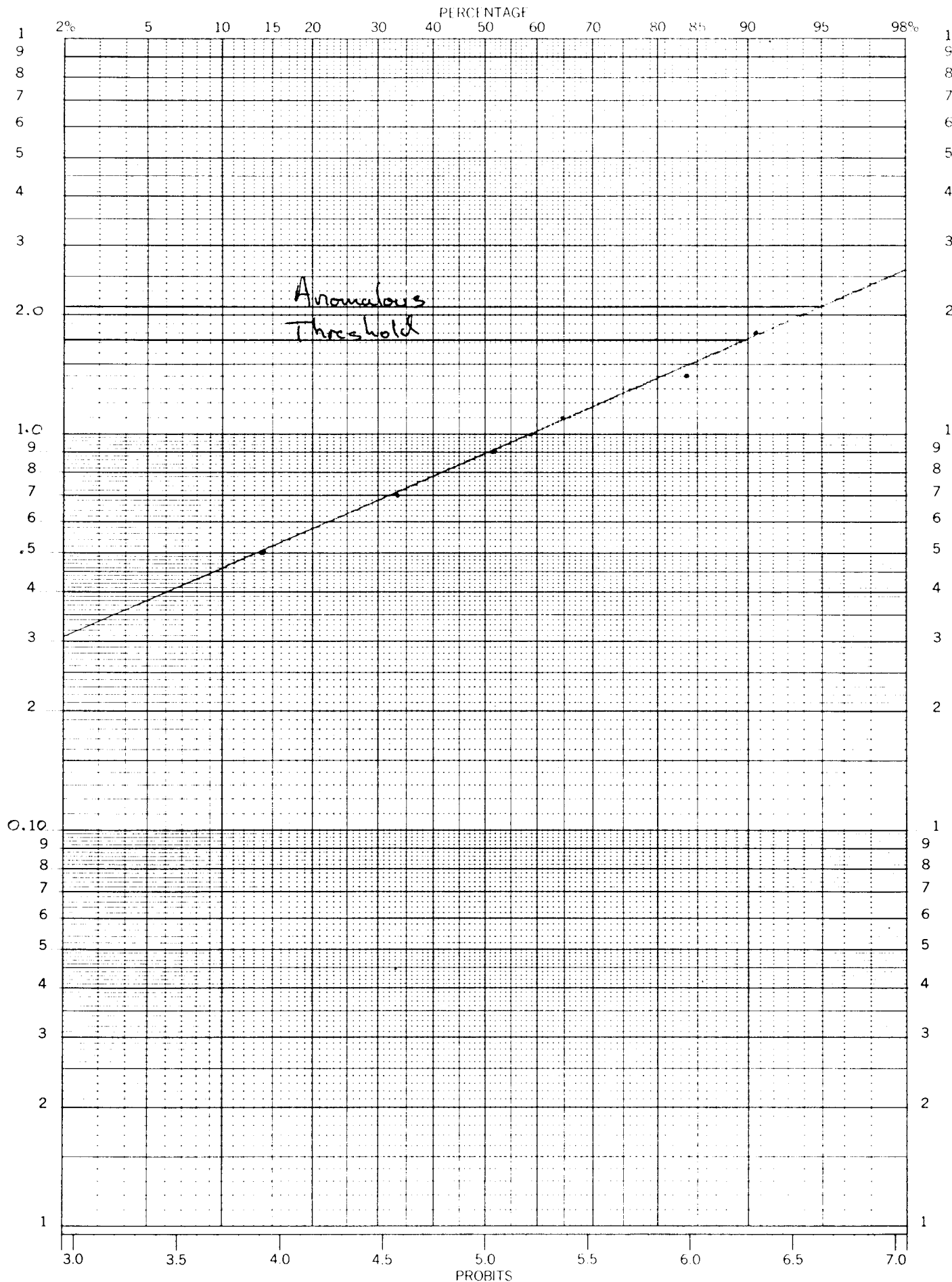


LOG PROBABILITY PLOT - Ag

18.

46 8080

PROBABILITY X 3 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



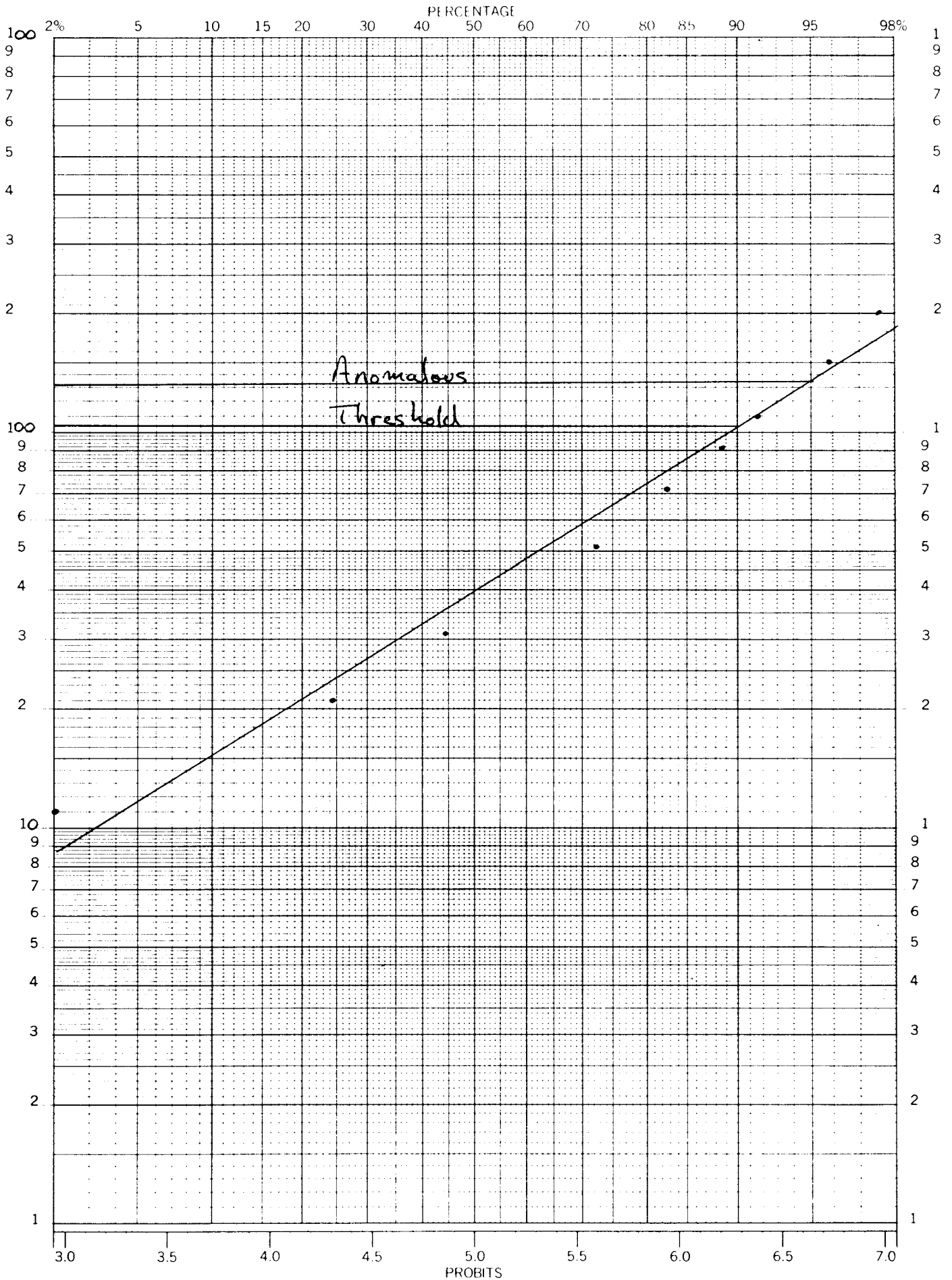
LOG PROBABILITY PLOT - Pb

19.

46 8080

Pb

K&E PROBABILITY X 3 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



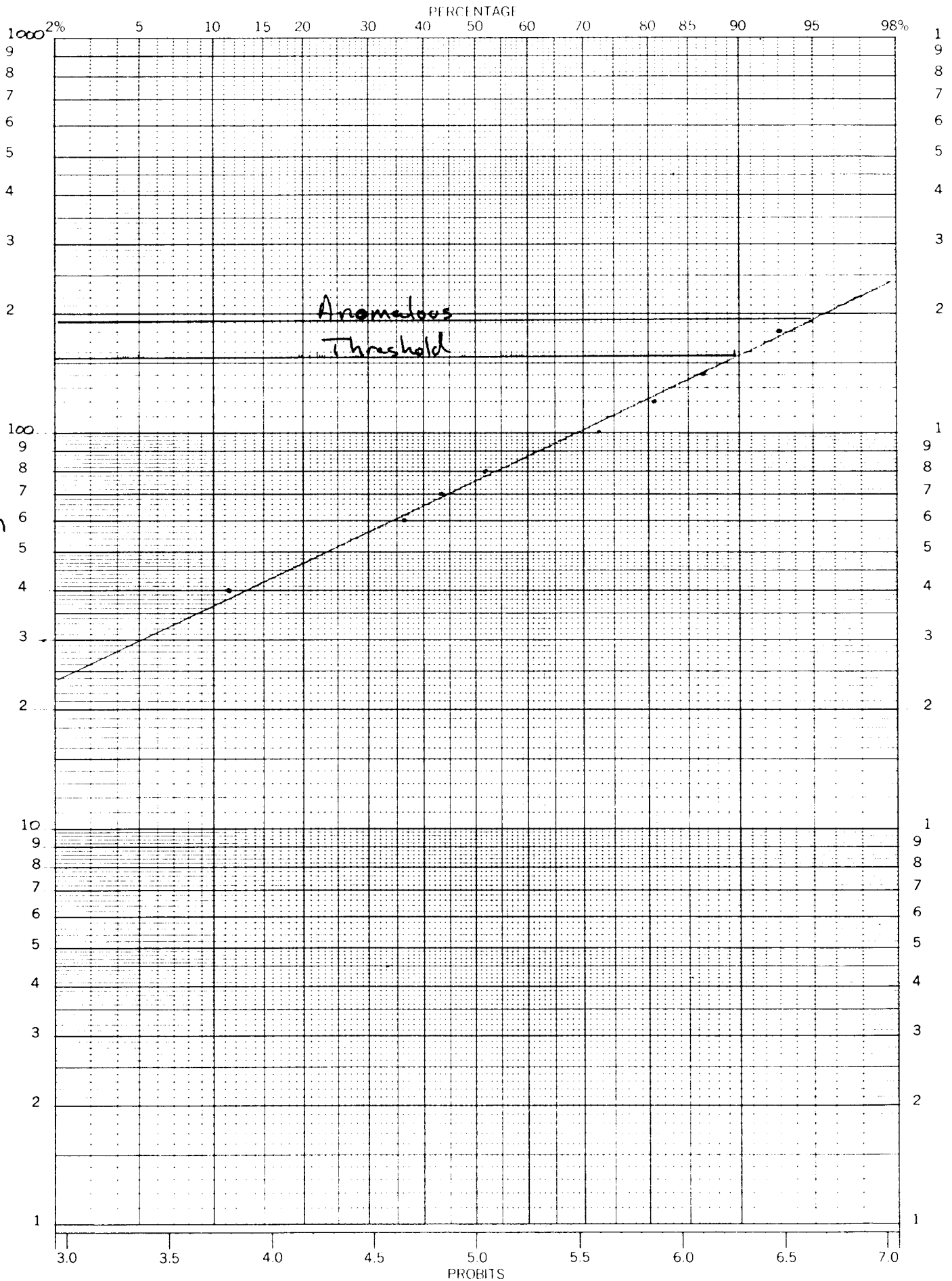
LOG PROBABILITY PLOT Zn

20.

46 8080

Zn
ppm

PROBABILITY X 3 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



lead and zinc values accompanying the gold values generally are at elevated to anomalous levels. Determining the source of anomalous gold-in-soil values is hampered by poor bedrock exposure. From the few rock exposures available and float mapping, the anomalies are known to be underlain by granodiorite and feldspar porphyry dykes. Within the four main anomalies, quartz vein and sericitically altered granite float occurs. Assaying of quartz vein and altered granite have returned low, but anomalous gold values. Within one of the anomalies on the Etzel 35 claim, trenching exposed a 3 metre wide intensely sericitized shear zone in granodiorite. The core of the shear contained a banded to drusy quartz vein bearing traces of pyrite and arsenopyrite. A chip sample from the veined core of the shear assayed 0.029 opt across 1 metre.

The presence of gold-bearing altered granodiorite and quartz veins, the coincident northwest trend of the anomalies and the gold bearing shears, and the multi element nature of the soil anomalies suggest their source may be shear-hosted, single or multiple vein systems similar to those exposed on the adjacent TAWA and the nearby Webber-Huestis zones.

Contouring of the silver values highlighted several multi-point anomalies within the grid-sampled parts of the claims. These anomalies are linear and northerly trending. The largest of the anomalies occurs between lines 5+00W and 8+00W, and from 600W to 800W. Within this anomaly, silver values range up to 54.5 ppm, lead and zinc are coincident anomalous with the silver. The silver anomalies occur within and peripherically to a stock-like body of kaolinitized quartz-feldspar porphyry. The largest of the anomalies occurs along the western contact of the porphyry and granodiorite. No mineralized rock was observed within the anomalies which could explain the anomalies.

Lead and zinc anomalous values are coincident and generally highlight the same areas as silver. The lead-zinc anomalies form northerly trending, linear-shaped anomalies that are concentrated along the contacts of the porphyry stock. Similarly to the silver anomalies, the source of the lead-zinc anomalies requires further investigation.

CONCLUSIONS AND RECOMMENDATIONS:

Soil sampling has outlined four separate northwest trending gold anomalies having strike lengths to 300m in length and 80m wide. The coincidence of the anomalies with quartz vein and sericitized granodiorite, float and bedrock occurrences imply the source of the anomalies are shear-hosted quartz veins and/or quartz vein swarms possibly similar to those on the adjacent TAWA claims and nearby Huetis-Webber zones. A more extensive program of grid soil sampling, VLF EM and excavator trenching will be required to more precisely define the location of the veins and to assess their gold and silver content.

Several silver-lead-zinc anomalies were also identified. The source of these anomalies are more problematic. Similar to the gold anomalies, these anomalies occur in areas of limited outcrop. The anomalies occur in and adjacent to a kaolinitized quartz-feldspar prophyry stock, however, no lead-zinc or silver mineralization was observed. The source of the anomalous silver-lead-zinc values will require trenching.

For 1987 the following is recommended:

1. Grid soil sampling should be extended to the west and north to cover all of the favourable granodiorite host. This will require the collection of an additional 2,000 samples on a 100 by 20 metre grid;
2. VLF EM survey over the entire grid area;
3. Approximately 1,500m of excavator trenching to be carried out in the currently known gold and silver anomalies.

Ideally, the soil sampling and VLF programs would be conducted in early June with excavator trenching done in August. Pre stripping of the trench sites will be required to permit thawing of the permafrost. Estimated cost of the program is \$150,000.

1986

COST STATEMENT ETZEL PROPERTYGENERAL COSTS:

Truck Transportation - Tilden truck	1,507.00	
Fuel	<u>183.13</u>	1,690.13

MAPS, PRINTS, DRAFTING

R.W. Rollings Drafting	975.00	
Van Cal Reproductions	175.00	
Typing & Report Assembly	<u>100.00</u>	1,250.00

ACCOMMODATION & FOOD

Super Value - food supplies	368.19	
Tatchur Centre " "	36.66	
Taku Hotel - room and meals	102.25	
T&M Hotel - " "	232.90	
Carmacks Hotel - meals	<u>61.90</u>	801.50

FIELD EQUIPMENT

Deakin - toprofil flagging	74.90	
Woolco - foam mattresses	58.00	
Hougen - cooler and shovel	22.35	
Nelson's Hardware - rope & hardware	19.90	
Misc. field equip. rental- 280 man days @ \$3/day	<u>84.00</u>	259.15

REPORT PREPARATION

John S. Brock - Sep. 15, 1986 - 1 day @ \$250/day	250.00	
John McClintock - Sep. 8-12, 15-19 - 10 days @ \$175/day	<u>1,750.00</u>	2,000.00

TOTAL GENERAL COSTS

6,000.78GEOLOGICAL COST:

SALARIES

J. McClintock Aug 18 to Sep. 4, 1986 18 days @ \$175/day	3,150.00	
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TRANSPORATION - FREIGHT

Rock Samples - CP Air	<u>29.00</u>	3,179.00
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APPORTION OF 50% OF GENERAL COSTS

3,000.39

TOTAL GEOLOGICAL COSTS

6,179.00

Geological Cost spread equally over:

- ETZEL 7-50	44 Claims		
- PAM 1-9	9 Claims		
- WEDGE 1-2	2 Claims		
- WEDGE 11-14	<u>4 Claims</u>		
	59	<u>6,179.00</u>	= 104.72
		59	

GEOCHEMICAL COST:

SALARIES

S. Marlyn - Aug. 18-Sep. 4, 1986 (18 days @ \$75/day) 1,350.00

ANALYSES

1,155 soils for Au, Pb, Ag, Zn @ \$9.15/sample 10,568.25
 19 rocks for Au @ \$9.00/sample 195.50 10,763.75

TRANSPORTATION

Consolidated Freightways - samples 450.00

TOTAL DIRECT GEOCHEMICAL COSTS

12,534.25

PORTION OF GENERAL COSTS

3,007.39

TOTAL GEOCHEMICAL COSTS

15,539.64GEOCHEMICAL COSTS PER SAMPLE

\$15,539/1,174 samples

\$13.24 per sample

Cost Apportioned to Claims:

<u>Claim</u>	<u>No. of Samples</u>	<u>Amount</u>
ETZEL 8	22	291.28
ETZEL 10	8	105.92
ETZEL 11	29	383.96
ETZEL 12	15	198.60
ETZEL 13	28	370.72
ETZEL 23	8	105.92
ETZEL 24	17	225.08
ETZEL 25	13	172.12
ETZEL 26	108	1,429.92
ETZEL 27	10	132.40
ETZEL 28	48	635.52
ETZEL 29	9	119.16
ETZEL 35	95	1,257.80
ETZEL 36	120	1,588.80
ETZEL 37	113	1,496.12
ETZEL 38	117	1,549.08
ETZEL 39	85	1,125.40
ETZEL 40	14	185.36
ETZEL 41	12	158.88
ETZEL 42	1	13.24
ETZEL 44	5	66.20
ETZEL 45	62	820.88
ETZEL 47	13	172.12
WEDGE 1	58	767.92
WEDGE 2	25	331.00
WEDGE 11	16	211.84
WEDGE 12	35	463.40
WEDGE 13	29	383.96
WEDGE 14	59	781.16
	<u>1,174</u>	<u><u>\$15,539.00</u></u>

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- Godwin, C.I. (1975) Geology of Casino Porphyry Copper-Molybdenum Deposit, Dawson Range, Yukon Territory. Unpublished Ph.D. thesis, 245 pp.
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- Temperman-Kluit, T.J. (1974) Reconnaissance Geology of Aishihik, Snag and Part of Stewart River Map-Areas, West-Central Yukon, Geol. Surv. Can. Paper 73-41, 97 pp.

STATEMENT OF QUALIFICATIONS

John A. McClintock

- 1) I am a geologist residing at 32841 Ashley Way, Clearbrook, British Columbia and am currently employed by Welcome North Mines Ltd, 1027-470 Granville Street, Vancouver, British Columbia.
- 2) I graduated from the University of British Columbia in 1973 with a B.Sc (Honours) degree in Geology and have practised my profession continuously since that time.
- 3) I supervised and directed the physical and diamond drilling field work carried out on the Tillicum Gold Property.
- 4) I am an active member in good standing of the Association of Professional Engineers of the Province of British Columbia.



John A. McClintock, P.Eng.

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

TELEX: VIA USA 7601067 UC

Type: SOIL GEOCHEM

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.*Specialists in Mineral Environments*

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELLCOME NORTH MINES~~

File: 6-764/P38

Project:

Date: SEPT 18/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
M-13	24	0.5	30	103
M-14	30	0.7	5	92
M-15	19	0.4	70	84
M-16	25	0.8	10	97
M-17	34	1.4	20	148
M-18	53	1.9	300	205
M-19	46	1.9	20	215
M-20	17	0.4	5	92
M-21	65	1.8	75	210
M-22	42	1.6	20	220
M-23	23	0.5	5	116
M-24	22	0.4	5	104
M-25	27	1.0	5	78
M-26	71	1.8	20	157
M-27	26	0.8	30	95
M-28	29	0.7	5	116
M-29	45	1.2	5	138
M-30	64	1.1	10	130
M-31	50	0.9	40	93
M-32	30	0.7	10	54
M-33	34	0.8	5	55
M-34	37	0.9	40	87
M-35	84	2.3	5	82
M-36	60	2.7	5	136
M-37	37	0.6	10	124
M-38	102	1.8	310	270
M-39	29	0.7	5	98
M-40	44	1.2	90	139
M-41	30	3.2	25	205
M-42	47	5.4	20	143

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Certificate of GEOCHEM

Company: ~~WELCOME NORTH MINES~~

File: 6-764/P37

Project:

Date: SEPT 18/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
30-10	23	0.7	10	77
30-11	41	1.3	1100	114
31-1	20	1.0	5	45
31-2	27	1.8	10	80
31-3	25	1.3	5	103
31-4	210	3.4	10	390
31-5	29	1.3	5	96
31-6	14	0.6	10	35
31-7	131	3.7	5	225
31-8	30	1.2	5	87
31-9	20	1.7	15	75
31-10	21	1.6	5	66
31-11	59	1.5	10	81
31-12	37	1.7	20	74
31-13	32	1.1	5	83
31-14	59	0.6	5	147
31-15	159	2.3	55	380
31-16	48	1.7	5	92
M-1	76	2.5	60	102
M-2	48	2.3	10	77
M-3	44	1.5	20	62
M-4	78	2.4	20	83
M-5	161	1.8	30	245
M-6	37	1.4	15	80
M-7	95	3.7	30	113
M-8	119	2.3	5	112
M-9	335	7.2	90	230
M-10	111	1.4	10	315
M-11	70	1.0	5	250
M-12	56	0.8	30	225

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Certificate of GEOCHEM

Company: ~~WELCOME NORTH MINES~~

File: 6-764/P36

Project:

Date: SEPT 18/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
------------------	-----------	-----------	-----------	-----------

F 325N	56	1.0	5	115
C 00N	73	0.7	40	95
C 25N	66	0.9	5	102
C 50N	57	0.8	10	94
C 75N	38	0.4	5	82

C 100N	43	0.8	5	110
C 125N	26	0.8	5	57
C 150N	37	1.0	5	90
C 175N	13	1.1	5	49
C 200N	20	0.6	5	60

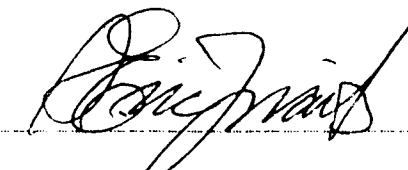
1	14	0.5	10	95	40MESH
1-2	48	0.3	5	88	
1-3	36	0.4	10	92	
1-4	22	0.6	5	73	
1-5	18	0.3	10	72	

1-6	15	0.4	5	72
1-7	19	0.7	10	94
1-8	24	0.7	5	175
1-9	17	0.6	5	90
1-10	16	0.4	20	56

1-11	13	0.3	15	82
30-1	19	0.3	5	64
30-2	22	0.8	10	85
30-3	15	0.4	5	78
30-4	18	0.4	15	93

30-5	23	0.7	5	66
30-6	18	0.8	5	87
30-7	26	1.0	5	90
30-8	32	0.9	10	102
30-9	103	2.2	20	210

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Company: ~~WELCOME NORTH MINES~~

File: 6-764/P35

Project:

Date: SEPT 19/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
TR 250E	34	1.0	10	84
TR 275E	41	0.6	10	87
TR 300E	23	0.8	15	64
TR 325E	17	1.0	5	66
TR 350E	22	0.7	45	69
TR 375E	13	0.6	5	67
TR 400E	65	1.9	5	132
TR 425E	43	1.2	5	96
T 00S	46	0.5	10	116
T 25S	82	0.9	40	170
30S	87	1.1	160	114
T 75S	48	0.6	10	92
T 100S	54	0.8	5	108
T 125S	47	1.3	5	96
T 150S	80	1.8	20	124
T 175S	46	0.6	50	95
T 200S	37	0.7	20	87
T 00N	82	1.2	60	142
T 25N	44	0.7	20	85
T 50N	50	0.5	10	100
T 75N	53	0.4	5	101
T 100N	36	0.9	10	90
T 125N	35	0.4	5	94
T 150N	80	2.0	100	136
T 175N	57	0.8	5	110
T 200N	50	1.1	40	97
T 225N	46	0.7	5	86
T 250N	41	1.5	5	92
T 275N	30	0.6	5	75
T 300N	66	0.5	5	140

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TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P34

Project:

Date: SEPT 18/86

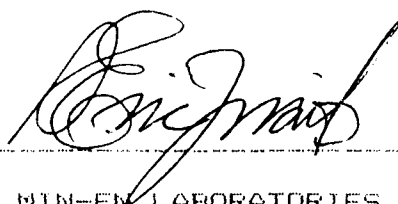
Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L6+00S 2+00E	10	0.9	5	32
L6+00S 2+20E	9	0.8	5	31
L6+00S 2+40E	12	0.5	10	24
L6+00S 2+60E	6	0.7	5	30
L6+00S 2+80E	20	1.3	5	44
L6+00S 3+00E	8	0.8	5	15
L6+00S 3+20E	32	1.1	10	52
L6+00S 3+40E	54	1.2	5	51
L6+00S 3+60E	62	1.4	20	50
L6+00S 3+80E	NO SAMPLE			
+00S 4+00E	60	1.2	5	50
TA 00S	43	1.4	20	104
TA 25S	39	1.3	10	91
TA 50S	27	1.0	10	67
TA 75S	73	1.7	100	98
TA 100S	42	1.0	90	83
TA 125S	37	0.8	30	84
TA 150S	36	1.4	40	75
TA 175S	28	0.5	20	70
TA 200S	26	0.4	10	68
TR 00E	17	0.5	50	64
TR 25E	39	2.0	30	105
TR 50E	12	0.8	5	56
TR 75E	23	0.6	5	68
TR 100E	22	0.9	120	63
TR 125E	16	0.6	140	70
TR 150E	15	0.4	5	55
TR 175E	21	0.5	10	64
TR 200E	26	0.7	10	73
TR 225E	53	1.1	30	78

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Type: SOIL GEOCHEM

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TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: ~~WELCOME NORTH MINES~~

File: 6-764/P32

Project:

Date: SEPT 18/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM	
L1+50S 2+40E	16	0.8	5	52	
L1+50S 2+60E	18	0.9	15	51	
L1+50S 2+80E	20	1.9	20	49	
L1+50S 3+00E	14	0.8	5	38	
L1+50S 3+20E	17	1.1	20	32	
L1+50S 3+40E	26	2.0	80	44	40MESH
L1+50S 3+60E	21	1.4	35	45	
L1+50S 3+80E	32	2.7	5	41	
L1+50S 4+00E	35	3.2	60	36	
L3+00S 0+00E	14	1.0	5	40	
+00S 0+20E	16	0.8	5	42	
L3+00S 0+40E	15	1.1	5	39	
L3+00S 0+60E	13	0.9	10	43	
L3+00S 0+80E	28	2.3	50	52	
L3+00S 1+00E	13	0.6	5	37	
L3+00S 1+20E	17	1.2	5	34	
L3+00S 1+40E	19	1.3	30	38	
L3+00S 1+60E	18	1.0	15	41	
L3+00S 1+80E	16	0.7	10	34	
L3+00S 2+00E	14	0.7	45	34	
L3+00S 2+20E	14	0.8	5	32	
L3+00S 2+40E	15	1.4	15	33	
L3+00S 2+60E	13	0.9	5	32	
L3+00S 2+80E	11	0.6	5	37	
L3+00S 3+00E	10	0.6	5	40	
L3+00S 3+20E	13	0.8	10	38	
L3+00S 3+40E	12	0.3	5	35	
L3+00S 3+60E	11	0.5	5	35	
L3+00S 3+80E	12	0.6	5	39	
L3+00S 4+00E	9	0.6	5	32	

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TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: ~~WELSON NORTH MINES~~

File: 6-764/P31

Project:

Date: SEPT 17/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM	
L0+00S 0+60E	12	1.0	5	34	
L0+00S 0+80E	13	1.2	10	32	
L0+00S 1+00E	8	0.4	5	26	
L0+00S 1+20E	11	0.8	5	34	
L0+00S 1+40E	15	0.8	35	40	
L0+00S 1+60E	14	1.2	10	32	
L0+00S 1+80E	16	1.1	5	39	
L0+00S 2+00E	15	1.8	5	19	40MESH
L0+00S 2+20E	17	0.8	5	38	
L0+00S 2+40E	N/S				
+00S 2+60E	21	1.0	40	43	
L0+00S 2+80E	30	1.9	10	38	
L0+00S 3+00E	14	0.9	15	36	
L0+00S 3+20E	27	2.7	45	37	
L0+00S 3+40E	26	3.4	35	39	
L0+00S 3+60E	8	0.4	5	38	
L0+00S 3+80E	17	2.0	30	41	
L0+00S 4+00E	25	2.9	50	37	
L1+50S 0+00E	16	0.8	35	22	
L1+50S 0+20E	14	1.0	5	18	
L1+50S 0+40E	18	0.9	5	40	
L1+50S 0+60E	11	0.4	10	33	
L1+50S 0+80E	10	0.7	10	32	
L1+50S 1+00E	9	0.6	15	31	
L1+50S 1+20E	12	0.8	5	37	
L1+50S 1+40E	12	1.0	5	34	
L1+50S 1+60E	13	1.4	20	42	
L1+50S 1+80E	12	0.9	10	38	
L1+50S 2+00E	13	0.5	5	43	
L1+50S 2+20E	14	0.6	80	30	

Certified by

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: ~~WELCOME NORTH MINES~~

Project:

Attention: JACK MCCLINTOCK

File: 6-764/P30

Date: SEPT 18/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L3+00S 0+60W	18	1.0	60	41
L3+00S 0+80W	19	1.4	10	33
L3+00S 1+00W	11	1.2	15	35
L3+00S 1+20W	17	0.9	10	37
L3+00S 1+40W	10	0.6	5	30
L3+00S 1+60W	10	0.6	5	36
L3+00S 2+00W	14	0.8	5	45
L4+00S 0+20W	18	0.7	5	31
L4+00S 0+40W	20	1.6	10	67
L4+00S 0+60W	16	1.1	10	39
L4+00S 0+80W	43	3.2	5	86
L4+00S 1+00W	144	1.3	5	82
L4+00S 1+20W	38	0.9	5	67
L4+00S 1+40W	265	3.8	25	69
L4+00S 1+60W	250	2.2	10	63
L4+00S 1+80W	58	3.0	5	37
L4+00S 2+00W	40	1.4	15	44
L6+00S 0+20W	32	1.3	10	48
L6+00S 0+40W	18	0.6	5	36
L6+00S 0+60W	32	1.4	10	64
L6+00S 0+80W	24	0.8	5	54
L6+00S 1+00W	110	1.0	5	125
L6+00S 1+20W	57	1.0	60	98
L6+00S 1+40W	66	1.7	120	80
L6+00S 1+60W	52	1.4	35	84
L6+00S 1+80W	116	1.6	5	152
L6+00S 2+00W	29	1.5	40	42
L0+00S 0+00E	17	0.7	5	37
L0+00S 0+20E	11	0.4	5	11
L0+00S 0+40E	13	0.7	5	25

40MESH

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: ~~WELCOME NORTH MINES~~

Project:

Attention: JACK MCCLINTOCK

File: 6-764/P29

Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM	
L15+00N 0+60E	25	0.8	5	70	
L15+00N 0+80E	47	0.6	10	73	
L15+00N 1+00E	56	1.5	10	92	
L15+00N 1+20E	29	0.6	5	66	
L15+00N 1+40E	26	0.6	5	61	
L15+00N 1+60E	34	0.7	5	71	
L15+00N 1+80E	28	1.0	5	87	
L15+00N 2+00E	30	0.4	10	79	
L0+00S 0+20W	22	0.8	20	60	
L0+00S 0+40W	16	1.0	5	44	20MESH
L0+00S 0+60W	12	0.5	5	43	
L0+00S 0+80W	14	0.4	5	45	
L0+00S 1+00W	13	0.6	5	38	20MESH
L0+00S 1+20W	18	0.9	5	52	20MESH
L0+00S 1+40W	10	0.2	5	44	
L0+00S 1+60W	18	0.8	5	58	
L0+00S 1+80W	21	0.7	5	62	
L0+00S 2+00W	19	0.4	10	49	
L1+50S 0+20W	14	0.8	5	24	
L1+50S 0+40W	24	1.4	30	33	
L1+50S 0+60W	13	0.6	15	32	
L1+50S 0+80W	15	0.7	5	43	
L1+50S 1+00W	16	0.5	10	32	
L1+50S 1+20W	10	0.4	5	24	
L1+50S 1+40W	28	1.1	65	16	
L1+50S 1+60W	23	0.8	15	22	
L1+50S 1+80W	14	0.5	5	22	
L1+50S 2+00W	17	0.6	5	28	
L3+00S 0+20W	19	1.2	5	40	
L3+00S 0+40W	17	0.9	35	41	

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TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P28

Project:

Date: SEPT 17/86

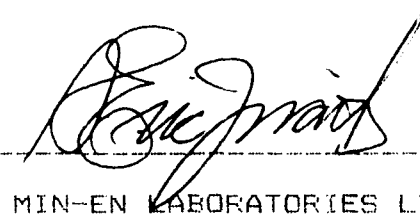
Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L12+00N 0+80E	24	0.7	5	56
L12+00N 1+00E	28	0.6	5	60
L12+00N 1+20E	16	0.7	5	45
L12+00N 1+40E	36	0.6	5	74
L12+00N 1+60E	15	0.5	10	67
L12+00N 1+80E	19	0.6	5	54
L12+00N 2+00E	8	0.7	10	53
L13+00N 0+20E	11	0.9	5	54
L13+00N 0+40E	20	0.9	5	47
L13+00N 0+60E	24	0.6	5	66
L13+00N 0+80E	28	0.5	5	68
L13+00N 1+00E	27	0.4	10	61
L13+00N 1+20E	24	0.6	5	62
L13+00N 1+40E	55	0.9	5	97
L13+00N 1+60E	53	0.6	5	81
L13+00N 1+80E	46	0.7	10	91
L13+00N 2+00E	13	0.4	5	42
L14+00N BLO+00	38	0.9	5	79
L14+00N 0+20E	24	0.7	5	57
L14+00N 0+40E	25	0.8	5	60
L14+00N 0+60E	34	0.7	5	62
L14+00N 0+80E	28	0.9	10	47
L14+00N 1+00E	32	0.7	5	48
L14+00N 1+20E	24	0.6	5	55
L14+00N 1+40E	17	0.8	5	62
L14+00N 1+60E	18	0.7	5	60
L14+00N 1+80E	34	0.6	5	78
L14+00N 2+00E	77	1.1	5	112
L15+00N 0+20E	21	0.6	5	60
L15+00N 0+40E	18	0.8	5	48

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Project:

Attention: JACK MCCLINTOCK

File: 6-764/P27

Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM	
L9+00N 0+80E	55	1.0	5	104	
L9+00N 1+00E	70	1.9	5	115	
L9+00N 1+20E	38	0.9	10	76	
L9+00N 1+40E	78	1.0	5	88	
L9+00N 1+60E	126	1.0	10	160	
L9+00N 1+80E	58	0.6	5	172	
L9+00N 2+00E	61	0.8	15	144	
L10+00N 0+20E	124	1.1	5	135	
L10+00N 0+40E	35	0.9	5	58	20MESH
L10+00N 0+60E	176	1.4	5	84	40MESH
L10+00N 0+80E	60	0.7	10	118	
L10+00N 1+00E	23	0.6	5	46	40MESH
L10+00N 1+20E	54	1.1	5	122	
L10+00N 1+40E	58	0.8	10	94	
L10+00N 1+60E	72	1.2	5	120	
L10+00N 1+80E	50	0.9	5	112	
L10+00N 2+00E	19	0.5	10	44	
L11+00N 0+20E	41	0.6	5	62	
L11+00N 0+40E	32	0.7	5	54	
L11+00N 0+60E	15	0.6	5	40	
L11+00N 0+80E	21	0.6	5	52	
L11+00N 1+00E	18	0.7	5	48	
L11+00N 1+20E	23	0.6	5	56	
L11+00N 1+40E	45	1.2	10	104	
L11+00N 1+60E	43	1.3	5	92	
L11+00N 1+80E	28	0.6	5	56	
L11+00N 2+00E	11	0.5	5	54	
L12+00N 0+20E	16	0.4	5	47	
L12+00N 0+40E	28	0.5	5	66	
L12+00N 0+60E	30	0.6	5	54	

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Project:

Attention: JACK MCCLINTOCK

File: 6-764/P26

Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L6+00N 1+00E	12	0.6	5	72
L6+00N 1+20E	103	0.8	5	56
L6+00N 1+40E	17	0.5	5	118
L6+00N 1+60E	10	0.6	10	116
L6+00N 1+80E	18	0.6	5	86
L6+00N 2+00E	15	0.5	5	44
L6+00N 3+80E	49	1.2	3	37
L7+00N 0+20E	105	1.3	15	162
L7+00N 0+40E	121	1.0	5	164
L7+00N 0+60E	11	0.6	5	63
L7+00N 0+80E	17	0.6	10	61
L7+00N 1+00E	16	0.6	5	57
L7+00N 1+20E	17	0.7	5	63
L7+00N 1+40E	14	0.6	5	54
L7+00N 1+60E	15	0.7	5	56
L7+00N 1+80E	18	0.6	3	74
L7+00N 2+00E	15	0.5	5	56
L8+00N 0+20E	47	0.7	5	120
L8+00N 0+40E	38	0.8	5	117
L8+00N 0+60E	37	0.7	10	84
L8+00N 0+80E	55	0.8	5	112
L8+00N 1+00E	47	0.6	5	88
L8+00N 1+20E	37	0.6	10	72
L8+00N 1+40E	44	0.8	5	82
L8+00N 1+60E	9	0.6	5	44
L8+00N 1+80E	43	1.2	5	101
L8+00N 2+00E	122	1.0	20	202
L9+00N 0+20E	25	0.8	10	63
L9+00N 0+40E	180	1.0	5	182
L9+00N 0+60E	41	1.0	10	97

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Attention: JACK MCCLINTOCK

File: 6-764/P25

Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L3+00N 1+00E	32	0.5	5	60
L3+00N 1+20E	22	0.4	40	45
L3+00N 1+40E	13	0.4	5	39
L3+00N 1+60E	15	0.5	5	46
L3+00N 1+80E	14	0.4	5	45
L3+00N 2+00E	25	0.5	5	50
L4+00N 0+20E	15	0.7	10	56
L4+00N 0+40E	12	0.4	3	35
L4+00N 0+60E	14	0.6	5	64
L4+00N 0+80E	19	0.8	5	53
L4+00N 1+00E	10	0.5	5	44
L4+00N 1+20E	16	0.6	10	52
L4+00N 1+40E	28	0.8	5	58
L4+00N 1+60E	20	1.1	3	36
L4+00N 1+80E	14	0.4	5	52
L4+00N 2+00E	70	0.7	5	88
L5+00N 0+20E	34	0.8	5	60
L5+00N 0+40E	32	0.6	5	67
L5+00N 0+60E	15	0.5	10	54
L5+00N 0+80E	16	0.6	5	59
L5+00N 1+00E	13	0.5	5	48
L5+00N 1+20E	17	0.6	10	49
L5+00N 1+40E	11	0.7	5	42
L5+00N 1+60E	17	0.6	5	48
L5+00N 1+80E	13	0.6	5	44
L5+00N 2+00E	7	0.7	3	36
L6+00N 0+20E	146	1.1	15	155
L6+00N 0+40E	52	0.8	10	98
L6+00N 0+60E	350	2.2	90	265
L6+00N 0+80E	33	0.4	20	56

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Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

Project:

Attention: JACK MCCLINTOCK

File: 6-764/P24

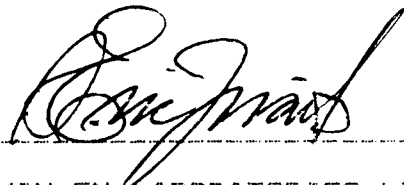
Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L1B+00N 11+00W	53	1.4	10	81
L1B+00N 11+20W	28	0.5	5	60
L1B+00N 11+40W	31	0.6	5	72
L1B+00N 11+60W	41	1.4	50	76
L1B+00N 11+80W	67	1.6	5	55
L1B+00N 12+00W	93	1.2	5	89
L1+00N 0+20E	13	0.6	180	38
L1+00N 0+40E	10	0.2	5	37
L1+00N 0+60E	13	0.4	3	37
L1+00N 0+80E	19	0.2	10	41
L1+00N 1+00E	60	0.7	5	39
L1+00N 1+20E	24	0.4	10	44
L1+00N 1+40E	22	0.7	5	54
L1+00N 1+60E	43	0.7	10	70
L1+00N 1+80E	16	0.3	5	42
L1+00N 2+00E	15	0.3	5	34
L2+00N 0+20E	12	0.4	5	46
L2+00N 0+40E	20	0.6	30	62
L2+00N 0+60E	21	0.6	5	59
L2+00N 0+80E	25	0.5	5	54
L2+00N 1+00E	16	0.5	10	63
L2+00N 1+20E	48	0.7	5	62
L2+00N 1+40E	25	0.6	5	62
L2+00N 1+60E	14	0.6	5	50
L2+00N 1+80E	12	0.4	5	50
L2+00N 2+00E	18	0.8	3	53
L3+00N 0+20E	10	0.6	5	54
L3+00N 0+40E	12	0.4	5	61
L3+00N 0+60E	20	0.4	5	59
L3+00N 0+80E	20	0.8	10	35

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TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: ~~WELCOME NORTH MINES~~

Project:

Attention: JACK MCCLINTOCK

File: 6-764/P23

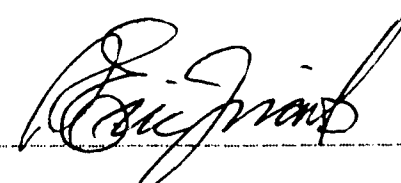
Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L15+00N 5+20W	17	0.9	3	55
L15+00N 5+40W	12	0.6	5	45
L15+00N 5+60W	18	1.2	5	56
L15+00N 5+80W	11	0.4	5	44
L15+00N 6+00W	32	1.1	10	71
L15+00N 6+20W	22	0.7	5	56
L15+00N 6+40W	40	1.2	3	114
L15+00N 6+60W	32	1.5	5	98
L15+00N 6+80W	29	0.5	5	92
L15+00N 7+00W	9	0.6	5	59
L15+00N 7+20W	80	2.6	10	188
L15+00N 7+40W	26	0.5	5	71
L15+00N 7+60W	57	1.4	5	120
L15+00N 7+80W	22	0.4	5	65
L15+00N 8+00W	61	1.3	5	114
L18+00N 8+00W	55	0.8	10	97
L18+00N 8+20W	24	0.6	5	67
L18+00N 8+40W	50	0.7	10	108
L18+00N 8+60W	34	1.0	5	127
L18+00N 8+80W	51	1.7	10	154
L18+00N 9+00W	39	0.7	100	112
L18+00N 9+20W	48	1.6	50	134
L18+00N 9+40W	39	1.2	350	128
L18+00N 9+60W	37	1.3	40	116
L18+00N 9+80W	33	1.8	20	83
L18+00N 10+00W	25	1.6	10	72
L18+00N 10+20W	60	1.8	50	114
L18+00N 10+40W	80	2.2	125	110
L18+00N 10+60W	68	2.0	70	100
L18+00N 10+80W	36	1.4	125	96

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705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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Type: SOIL GEOCHEM

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NE: (604) 980-5814 DR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

Project:

Attention: JACK MCCLINTOCK

File: 6-764/P21

Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L14+00N 1+40W	54	0.6	5	62
L14+00N 1+60W	84	0.6	30	76
L14+00N 1+80W	48	0.7	5	68
L14+00N 2+00W	54	0.7	50	75
L14+00N 2+20W	142	0.6	5	124
L14+00N 2+40W	112	1.5	10	117
L14+00N 2+60W	38	0.5	5	56
L14+00N 2+80W	26	0.2	10	43
L14+00N 3+00W	25	0.2	5	41
L14+00N 3+20W	24	0.4	5	43
L14+00N 3+40W	32	0.3	10	56
L14+00N 3+60W	26	0.3	10	41
L14+00N 3+80W	34	0.3	5	42
L14+00N 4+00W	36	0.5	5	53
L14+00N 4+20W	17	2.2	5	52
L14+00N 4+40W	42	1.0	20	63
L14+00N 4+60W	28	1.3	5	64
L14+00N 4+80W	47	1.7	10	85
L14+00N 5+00W	32	1.2	5	68
L14+00N 5+20W	29	1.1	5	72
L14+00N 5+40W	13	0.7	5	57
L14+00N 5+60W	14	0.6	5	47
L14+00N 5+80W	15	0.4	15	48
L14+00N 6+00W	13	0.6	10	47
L14+00N 6+20W	8	0.8	5	36
L14+00N 6+40W	11	0.5	5	51
L14+00N 6+60W	10	1.1	5	55
L14+00N 6+80W	13	0.8	5	47
L14+00N 7+00W	14	0.9	20	65
L14+00N 7+20W	17	0.8	10	68

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File: 6-764/P20

Project:

Date: SEPT 17/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L13+00N 7+40W	37	0.8	5	96
L13+00N 7+60W	23	0.3	5	56
L13+00N 7+80W	41	0.4	5	61
L13+00N 8+00W	20	0.6	5	66
L13+00N 8+20W	24	0.6	10	95
L13+00N 8+40W	39	0.9	5	164
L13+00N 8+60W	42	0.5	5	75
L13+00N 8+80W	22	1.1	5	96
L13+00N 9+00W	29	1.0	5	178
L13+00N 9+20W	26	0.9	5	114
L13+00N 9+40W	36	0.9	10	126
L13+00N 9+60W	34	0.8	55	75
L13+00N 9+80W	32	1.1	10	123
L13+00N 10+00W	28	0.8	5	88
L13+00N 10+20W	38	1.0	5	155
L13+00N 10+40W	37	0.9	10	118
L13+00N 10+60W	48	1.0	5	157
L13+00N 10+80W	31	0.7	5	111
L13+00N 11+00W	29	0.6	5	99
L13+00N 11+20W	37	1.6	10	73
L13+00N 11+40W	23	0.7	5	69
L13+00N 11+60W	37	1.1	5	116
L13+00N 11+80W	30	1.0	5	72
L13+00N 12+00W	28	1.5	5	114
L14+00N 0+20W	10	0.5	5	41
L14+00N 0+40W	18	0.8	5	44
L14+00N 0+60W	15	0.4	5	42
L14+00N 0+80W	17	0.3	10	42
L14+00N 1+00W	16	0.4	5	45
L14+00N 1+20W	34	0.2	5	46

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Project:

Attention: JACK MCCLINTOCK

File: 6-764/P19

Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L13+00N 1+40W	25	0.4	5	49
L13+00N 1+60W	21	0.5	5	60
L13+00N 1+80W	29	0.6	5	69
L13+00N 2+00W	14	0.5	5	38
L13+00N 2+20W	33	0.5	10	55
L13+00N 2+40W	87	1.0	10	72
L13+00N 2+60W	200	2.7	5	129
L13+00N 2+80W	370	2.3	50	250
L13+00N 3+00W	126	1.6	5	142
L13+00N 3+20W	102	2.4	5	133
3+00N 3+40W	36	0.8	5	67
L13+00N 3+60W	24	0.7	10	54
L13+00N 3+80W	25	0.4	5	54
L13+00N 4+00W	20	0.8	5	50
L13+00N 4+20W	19	0.8	5	75
L13+00N 4+40W	26	1.0	10	60
L13+00N 4+60W	27	0.7	5	61
L13+00N 4+80W	18	0.6	10	57
L13+00N 5+00W	34	0.7	5	88
L13+00N 5+20W	22	0.6	5	80
L13+00N 5+40W	26	1.0	20	153
L13+00N 5+60W	36	0.9	5	104
L13+00N 5+80W	31	0.8	5	62
L13+00N 6+00W	44	1.6	15	112
L13+00N 6+20W	29	0.7	5	78
L13+00N 6+40W	71	1.2	5	131
L13+00N 6+60W	168	2.4	5	200
L13+00N 6+80W	170	1.9	10	265
L13+00N 7+00W	102	1.0	20	150
L13+00N 7+20W	78	1.7	5	138

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MIN-EN LABORATORIES LTD.*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P18

Project:

Date: SEPT 17/86

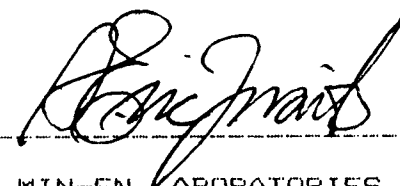
Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L12+00N 3+60W	17	0.6	10	29
L12+00N 3+80W	34	0.8	5	45
L12+00N 4+00W	19	0.6	5	37
L12+00N 4+20W	670	8.6	190	126
L12+00N 4+40W	160	1.4	40	108
L12+00N 4+60W	320	2.2	10	185
L12+00N 4+80W	50	1.4	30	78
L12+00N 5+00W	64	0.6	20	97
L12+00N 5+20W	72	1.2	10	102
L12+00N 5+40W	80	1.1	30	80
L12+00N 5+60W	74	1.2	20	101
L12+00N 5+80W	38	2.3	10	26
L12+00N 6+00W	106	0.7	80	127
L12+00N 6+20W	48	1.1	5	102
L12+00N 6+40W	88	0.7	10	195
L12+00N 6+60W	112	0.6	30	199
L12+00N 6+80W	70	1.2	20	235
L12+00N 7+00W	18	0.8	5	92
L12+00N 7+20W	64	0.8	5	134
L12+00N 7+40W	46	0.7	10	115
L12+00N 7+60W	47	0.7	10	80
L12+00N 7+80W	62	1.6	5	142
L12+00N 8+00W	60	0.8	5	107
L13+00N 8L0+00	19	0.5	5	43
L13+00N 0+20W	17	0.4	5	44
L13+00N 0+40W	42	0.4	10	72
L13+00N 0+60W	182	0.8	5	114
L13+00N 0+80W	166	0.8	5	90
L13+00N 1+00W	58	0.6	20	62
L13+00N 1+20W	33	0.6	5	58

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TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P17

Project:

Date: SEPT 17/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L11+00N 5+80W	24	0.4	20	67
L11+00N 6+00W	15	0.4	5	45
L11+00N 6+20W	17	0.6	5	36
L11+00N 6+40W	195	1.2	10	220
L11+00N 6+60W	156	1.0	10	190
L11+00N 6+80W	57	0.9	5	124
L11+00N 7+00W	44	0.8	5	68
L11+00N 7+20W	35	0.7	30	62
L11+00N 7+40W	32	0.7	5	88
L11+00N 7+60W	28	1.3	5	86
L11+00N 7+80W	41	1.2	20	97
L11+00N 8+00W	34	1.0	10	99
L12+00N BL0+00	22	0.4	5	50
L12+00N 0+20W	14	0.2	3	29
L12+00N 0+40W	15	0.2	5	40
L12+00N 0+60W	16	0.3	5	42
L12+00N 0+80W	12	0.4	5	43
L12+00N 1+00W	14	0.2	5	43
L12+00N 1+20W	22	0.3	10	49
L12+00N 1+40W	42	0.6	240	66
L12+00N 1+60W	53	0.4	10	70
L12+00N 1+80W	62	0.5	5	52
L12+00N 2+00W	38	0.7	5	48
L12+00N 2+20W	46	1.0	5	52
L12+00N 2+40W	56	0.8	10	73
L12+00N 2+60W	37	0.5	10	71
L12+00N 2+80W	36	0.6	5	84
L12+00N 3+00W	42	0.7	5	72
L12+00N 3+20W	57	0.4	5	65
L12+00N 3+40W	250	1.8	20	320

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Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

Project:

Attention: JACK MCCLINTOCK

File: 6-764/P16

Date: SEPT 17/86

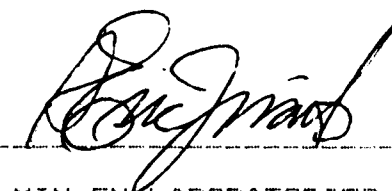
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L10+00N 8+00W	53	1.1	10	89
L11+00N BLD+00	24	0.4	10	42
L11+00N 0+20W	27	0.3	5	58
L11+00N 0+40W	38	0.6	5	62
L11+00N 0+60W	49	0.8	10	83
L11+00N 0+80W	66	0.3	5	145
L11+00N 1+00W	92	0.3	5	169
L11+00N 1+20W	62	1.2	5	113
L11+00N 1+40W	20	0.5	5	43
L11+00N 1+60W	104	0.7	40	121
L11+00N 1+80W	12	0.4	5	28
L11+00N 2+00W	28	0.4	5	35
L11+00N 2+20W	20	0.3	5	49
L11+00N 2+40W	27	0.5	5	55
L11+00N 2+60W	385	1.7	40	290
L11+00N 2+80W	17	0.4	5	39
L11+00N 3+00W	44	0.4	3	71
L11+00N 3+20W	74	1.0	5	68
L11+00N 3+40W	28	0.5	5	48
L11+00N 3+60W	42	0.6	5	62
L11+00N 3+80W	44	0.5	5	63
L11+00N 4+00W	70	0.5	5	81
L11+00N 4+20W	34	1.4	10	59
L11+00N 4+40W	163	1.8	5	195
L11+00N 4+60W	112	1.1	5	122
L11+00N 4+80W	144	1.9	5	180
L11+00N 5+00W	35	0.9	5	69
L11+00N 5+20W	63	1.0	5	87
L11+00N 5+40W	130	1.3	5	199
L11+00N 5+60W	44	0.6	5	88

40MESH

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Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P15

Project:

Date: SEPT 17/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L10+00N 2+00W	42	0.4	10	87
L10+00N 2+20W	38	0.7	5	76
L10+00N 2+40W	33	0.4	5	66
L10+00N 2+60W	9	0.5	5	33
L10+00N 2+80W	20	0.5	5	45
L10+00N 3+00W	24	0.4	5	47
L10+00N 3+20W	72	0.7	5	64
L10+00N 3+40W	69	0.5	5	62
L10+00N 3+60W	72	1.1	5	91
L10+00N 3+80W	32	0.6	5	49
L10+00N 4+00W	84	0.5	5	85
L10+00N 4+20W	42	0.6	5	51
L10+00N 4+40W	21	0.2	10	46
L10+00N 4+60W	84	0.4	5	134
L10+00N 4+80W	37	0.6	5	72
L10+00N 5+00W	38	0.5	5	82
L10+00N 5+20W	25	0.4	15	64
L10+00N 5+40W	50	0.2	5	92
L10+00N 5+60W	27	0.6	5	72
L10+00N 5+80W	44	0.9	10	106
L10+00N 6+00W	92	1.4	5	177
L10+00N 6+20W	102	0.9	5	195
L10+00N 6+40W	92	1.8	5	245
L10+00N 6+60W	122	2.2	65	305
L10+00N 6+80W	78	0.7	5	171
L10+00N 7+00W	106	0.8	5	190
L10+00N 7+20W	13	0.2	5	49
L10+00N 7+40W	29	0.6	5	79
L10+00N 7+60W	19	0.5	5	63
L10+00N 7+80W	37	0.4	50	84

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Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P14

Project:

Date: SEPT 17/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPM	ZN PPM
L9+00N 4+20W	58	1.0	10	96
L9+00N 4+40W	40	1.0	5	78
L9+00N 4+60W	285	1.9	45	165
L9+00N 4+80W	26	0.6	5	56
L9+00N 5+00W	69	1.2	5	96
L9+00N 5+20W	76	1.4	20	132
L9+00N 5+40W	78	1.3	5	122
L9+00N 5+60W	36	1.1	5	68
L9+00N 5+80W	124	1.2	5	168
L9+00N 6+00W	188	1.0	100	184
L9+00N 6+20W	68	1.3	5	120
L9+00N 6+40W	56	1.2	5	109
L9+00N 6+60W	42	0.8	5	118
L9+00N 6+80W	78	2.1	5	132
L9+00N 7+00W	73	1.0	5	128
L9+00N 7+20W	82	1.1	5	122
L9+00N 7+40W	61	1.2	10	127
L9+00N 7+60W	92	1.7	5	158
L9+00N 7+80W	33	0.9	5	66
L9+00N 8+00W	46	0.9	10	96
L10+00N BLO+00	38	0.7	5	72
L10+00N 0+20W	54	0.8	5	84
L10+00N 0+40W	98	1.5	5	138
L10+00N 0+60W	66	0.8	5	96
L10+00N 0+80W	37	0.4	60	64
L10+00N 1+00W	48	0.7	5	98
L10+00N 1+20W	97	0.8	10	123
L10+00N 1+40W	28	0.4	5	62
L10+00N 1+60W	112	1.1	25	128
L10+00N 1+80W	78	0.9	15	122

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TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

Project:

Attention: JACK MCCLINTOCK

File: 6-764/P13

Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L8+00N 6+40W	37	1.8	30	122
L8+00N 6+60W	68	2.0	10	170
L8+00N 6+80W	62	1.2	5	150
L8+00N 7+00W	210	1.1	15	143
L8+00N 7+20W	36	0.6	5	65
L8+00N 7+40W	31	0.4	15	64
L8+00N 7+60W	40	0.5	5	90
L8+00N 7+80W	82	0.4	5	112
L8+00N 8+00W	65	1.2	5	104
L9+00N BLO+00	215	0.9	30	225
L9+00N 0+20W	255	1.0	15	350
L9+00N 0+40W	155	1.2	5	189
L9+00N 0+60W	107	1.3	5	170
L9+00N 0+80W	73	0.7	5	134
L9+00N 1+00W	67	1.0	5	136
L9+00N 1+20W	59	1.0	50	130
L9+00N 1+40W	47	0.9	10	106
L9+00N 1+60W	62	1.0	5	84
L9+00N 1+80W	73	1.0	5	146
L9+00N 2+00W	44	0.8	100	100
L9+00N 2+20W	33	0.9	5	74
L9+00N 2+40W	38	0.6	10	82
L9+00N 2+60W	23	1.0	5	48
L9+00N 2+80W	49	0.7	5	96
L9+00N 3+00W	22	0.6	5	54
L9+00N 3+20W	28	0.5	5	61
L9+00N 3+40W	55	0.7	10	74
L9+00N 3+60W	63	0.6	5	100
L9+00N 3+80W	75	1.6	5	110
L9+00N 4+00W	25	0.8	5	65

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Project:

Attention: JACK MCCLINTOCK

File: 6-764/P12

Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
LB+00N 0+40W	138	2.1	30	194
LB+00N 0+60W	46	0.8	5	90
LB+00N 0+80W	52	0.5	10	88
LB+00N 1+00W	54	0.7	5	86
LB+00N 1+20W	118	0.9	20	290
LB+00N 1+40W	76	1.0	5	108
LB+00N 1+60W	24	0.5	5	72
LB+00N 1+80W	37	0.5	5	89
LB+00N 2+00W	44	1.1	30	92
LB+00N 2+20W	31	0.7	20	82
LB+00N 2+40W	26	0.9	5	64
LB+00N 2+60W	29	0.8	10	62
LB+00N 2+80W	104	1.1	5	140
LB+00N 3+00W	62	0.6	5	96
LB+00N 3+20W	32	0.7	10	86
LB+00N 3+40W	31	0.6	5	88
LB+00N 3+60W	95	1.2	5	98
LB+00N 3+80W	33	1.0	10	74
LB+00N 4+00W	37	1.2	5	90
LB+00N 4+20W	46	1.8	5	102
LB+00N 4+40W	28	0.7	10	62
LB+00N 4+60W	31	1.2	5	70
LB+00N 4+80W	92	1.3	10	88
LB+00N 5+00W	42	1.0	5	104
LB+00N 5+20W	57	0.9	5	86
LB+00N 5+40W	40	0.4	5	72
LB+00N 5+60W	230	9.6	15	196
LB+00N 5+80W	64	3.2	5	127
LB+00N 6+00W	117	2.2	5	300
LB+00N 6+20W	56	2.3	5	124

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: ~~WELCOME NORTH MINES~~

Project:

Attention: JACK MCCLINTOCK

File: 6-764/P11

Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L7+00N 2+60W	64	0.9	15	120
L7+00N 2+80W	68	1.0	5	80
L7+00N 3+00W	29	0.6	10	64
L7+00N 3+20W	36	0.6	5	78
L7+00N 3+40W	41	1.2	5	98
L7+00N 3+60W	44	0.7	5	102
L7+00N 3+80W	73	1.6	10	186
L7+00N 4+00W	52	0.8	5	96
L7+00N 4+20W	32	0.6	5	84
L7+00N 4+40W	32	0.8	10	76
L7+00N 4+60W	67	1.0	5	112
L7+00N 4+80W	19	0.5	5	54
L7+00N 5+00W	24	1.2	5	60
L7+00N 5+20W	28	1.1	5	64
L7+00N 5+40W	58	1.2	10	91
L7+00N 5+60W	56	1.0	15	70
L7+00N 5+80W	66	1.4	25	86
L7+00N 6+00W	48	0.7	5	52
L7+00N 6+20W	92	1.3	10	84
L7+00N 6+40W	210	2.1	80	260
L7+00N 6+60W	43	1.0	10	64
L7+00N 6+80W	91	1.4	5	112
L7+00N 7+00W	1980	54.5	1200	1160
L7+00N 7+20W	165	4.3	40	525
L7+00N 7+40W	64	1.9	15	300
L7+00N 7+60W	73	1.4	30	240
L7+00N 7+80W	61	1.3	10	186
L7+00N 8+00W	51	1.5	10	445
LB+00N BL0+00	92	0.9	5	153
LB+00N 0+20W	88	0.7	15	132

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TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELLCOME NORTH MINES~~

File: 6-764/P10

Project:

Date: SEPT 17/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L6+00N 4+80W	99	0.7	10	112
L6+00N 5+00W	66	1.0	5	93
L6+00N 5+20W	59	0.8	5	82
L6+00N 5+40W	49	0.7	5	84
L6+00N 5+60W	33	0.5	5	74
L6+00N 5+80W	38	1.4	10	90
L6+00N 6+00W	24	0.4	5	59
L6+00N 6+20W	42	0.8	5	88
L6+00N 6+40W	38	0.9	10	99
L6+00N 6+60W	49	0.6	5	83
L6+00N 6+80W	45	0.9	5	103
L6+00N 7+00W	43	0.8	10	88
L6+00N 7+20W	110	3.1	5	126
L6+00N 7+40W	38	0.6	5	78
L6+00N 7+60W	66	0.8	5	102
L6+00N 7+80W	54	1.7	5	130
L6+00N 8+00W	68	3.2	3	94
L7+00N BL0+00	150	1.4	5	260
L7+00N 0+20W	124	1.5	5	164
L7+00N 0+40W	117	0.9	10	183
L7+00N 0+60W	65	1.0	5	98
L7+00N 0+80W	28	0.3	5	75
L7+00N 1+00W	31	0.8	5	69
L7+00N 1+20W	48	1.0	10	96
L7+00N 1+40W	241	0.8	30	136
L7+00N 1+60W	92	0.8	10	144
L7+00N 1+80W	114	1.5	30	165
L7+00N 2+00W	30	0.4	50	70
L7+00N 2+20W	28	0.5	5	68
L7+00N 2+40W	41	0.7	5	96

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File: 6-764/P9

Project:

Date: SEPT 17/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L5+00N 7+00W	71	1.3	40	110
L5+00N 7+20W	44	0.7	5	86
L5+00N 7+40W	62	0.8	5	95
L5+00N 7+60W	29	0.4	10	70
L5+00N 7+80W	40	0.6	5	64
L5+00N 8+00W	44	0.7	10	74
L6+00N BL0+00	129	1.1	345	183
L6+00N 0+20W	74	1.5	5	104
L6+00N 0+40W	130	0.9	10	106
L6+00N 0+60W	55	0.8	5	84
L6+00N 0+80W	110	0.7	15	118
L6+00N 1+00W	59	0.8	5	92
L6+00N 1+20W	86	0.9	10	113
L6+00N 1+40W	42	0.4	5	72
L6+00N 1+60W	47	1.0	5	103
L6+00N 1+80W	94	1.5	5	110
L6+00N 2+00W	73	0.8	10	103
L6+00N 2+20W	121	0.6	10	158
L6+00N 2+40W	63	0.9	5	89
L6+00N 2+60W	32	0.6	5	86
L6+00N 2+80W	51	1.6	5	84
L6+00N 3+00W	44	1.2	5	106
L6+00N 3+20W	86	0.9	5	167
L6+00N 3+40W	33	0.6	5	52
L6+00N 3+60W	250	1.2	20	180
L6+00N 3+80W	120	0.8	10	97
L6+00N 4+00W	92	1.0	5	126
L6+00N 4+20W	335	2.3	20	525
L6+00N 4+40W	56	1.6	10	88
L6+00N 4+60W	49	0.6	5	69

Certified by



MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P8

Project:

Date: SEPT 18/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L5+00N 1+00W	98	1.3	5	158
L5+00N 1+20W	28	0.9	10	74
L5+00N 1+40W	46	1.9	5	73
L5+00N 1+60W	45	1.0	5	96
L5+00N 1+80W	38	0.6	5	90
L5+00N 2+00W	57	1.1	85	100
L5+00N 2+20W	74	0.8	20	134
L5+00N 2+40W	32	0.4	5	80
L5+00N 2+60W	30	0.6	5	74
L5+00N 2+80W	24	1.1	5	70
L5+00N 3+00W	29	1.2	5	76
L5+00N 3+20W	52	0.8	10	178
L5+00N 3+40W	36	0.9	5	120
L5+00N 3+60W	48	1.0	10	124
L5+00N 3+80W	64	1.3	5	138
L5+00N 4+00W	62	0.9	5	118
L5+00N 4+20W	39	0.4	3	108
L5+00N 4+40W	65	2.1	5	126
L5+00N 4+60W	180	0.9	20	193
L5+00N 4+80W	195	1.0	10	285
L5+00N 5+00W	118	1.3	5	144
L5+00N 5+20W	216	2.2	15	240
L5+00N 5+40W	156	3.2	5	170
L5+00N 5+60W	64	1.7	5	123
L5+00N 5+80W	80	2.0	5	141
L5+00N 6+00W	59	1.1	5	105
L5+00N 6+20W	180	2.9	20	188
L5+00N 6+40W	84	1.2	10	137
L5+00N 6+60W	57	1.0	5	107
L5+00N 6+80W	25	0.7	5	64

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705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P7

Project:

Date: SEPT 17/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L4+00N 3+20W	13	0.9	5	36
L4+00N 3+40W	62	3.2	10	89
L4+00N 3+60W	12	0.7	3	40
L4+00N 3+80W	27	1.4	5	64
L4+00N 4+00W	31	0.5	5	66
L4+00N 4+20W	28	0.9	5	70
L4+00N 4+40W	30	1.1	5	83
L4+00N 4+60W	20	0.8	5	60
L4+00N 4+80W	96	3.0	5	133
L4+00N 5+00W	34	0.5	35	91
L4+00N 5+20W	67	1.3	10	108
L4+00N 5+40W	17	0.4	5	71
L4+00N 5+60W	31	0.3	5	95
L4+00N 5+80W	94	1.2	10	112
L4+00N 6+00W	52	0.6	5	96
L4+00N 6+20W	96	0.6	5	154
L4+00N 6+40W	74	0.9	10	122
L4+00N 6+60W	230	3.4	10	184
L4+00N 6+80W	67	1.4	5	121
L4+00N 7+00W	65	1.3	5	100
L4+00N 7+20W	146	3.6	10	118
L4+00N 7+40W	73	1.4	20	100
L4+00N 7+60W	112	1.8	5	144
L4+00N 7+80W	36	0.5	5	61
L4+00N 8+00W	33	0.7	3	66
L5+00N BLO+00	92	0.8	5	119
L5+00N 0+20W	16	0.5	5	46
L5+00N 0+40W	39	0.9	135	76
L5+00N 0+60W	26	0.5	10	55
L5+00N 0+80W	225	1.2	85	640

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705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

Project:

Attention: JACK MCCLINTOCK

File: 6-764/P6

Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L3+00N 5+40W	58	0.9	10	94
L3+00N 5+60W	74	1.2	5	116
L3+00N 5+80W	112	1.3	30	146
L3+00N 6+00W	126	1.5	10	152
L3+00N 6+20W	56	0.9	10	87
L3+00N 6+40W	39	0.9	5	86
L3+00N 6+60W	49	1.0	5	98
L3+00N 6+80W	20	1.2	10	54
L3+00N 7+00W	35	1.2	5	82
L3+00N 7+20W	46	1.8	5	120
L3+00N 7+40W	62	1.5	5	132
L3+00N 7+60W	59	1.8	20	108
L3+00N 7+80W	27	1.0	5	74
L3+00N 8+00W	34	1.0	10	89
L4+00N BLO+00	22	0.9	10	112
L4+00N 0+20W	49	0.8	10	58
L4+00N 0+40W	19	0.8	5	47
L4+00N 0+60W	36	0.9	5	66
L4+00N 0+80W	34	1.2	5	96
L4+00N 1+00W	12	0.5	10	34
L4+00N 1+20W	21	0.9	5	61
L4+00N 1+40W	30	0.9	5	60
L4+00N 1+60W	17	0.8	5	46
L4+00N 1+80W	29	0.9	10	66
L4+00N 2+00W	25	1.2	5	60
L4+00N 2+20W	38	0.7	5	52
L4+00N 2+40W	13	0.4	5	40
L4+00N 2+60W	24	0.5	5	61
L4+00N 2+80W	32	2.0	15	64
L4+00N 3+00W	22	0.8	5	82

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705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P5

Project:

Date: SEPT 17/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L2+00N 7+60W	16	0.4	40	48
L2+00N 7+80W	22	0.5	5	57
L2+00N 8+00W	19	0.7	5	56
L3+00N BL0+00	14	1.2	5	43
L3+00N 0+20W	12	0.5	10	42
L3+00N 0+40W	17	0.7	5	66
L3+00N 0+60W	15	0.9	5	55
L3+00N 0+80W	18	0.6	5	48
L3+00N 1+00W	18	0.7	5	48
L3+00N 1+20W	13	0.3	3	36
L3+00N 1+40W	11	0.5	5	40
L3+00N 1+60W	22	0.8	5	62
L3+00N 1+80W	17	0.9	5	70
L3+00N 2+00W	38	1.1	305	108
L3+00N 2+20W	36	1.0	50	92
L3+00N 2+40W	25	0.4	10	70
L3+00N 2+60W	41	1.0	5	80
L3+00N 2+80W	12	0.3	5	40
L3+00N 3+00W	13	0.7	5	40
L3+00N 3+20W	15	0.8	5	42
L3+00N 3+40W	14	0.5	5	47
L3+00N 3+60W	16	0.7	5	50
L3+00N 3+80W	17	0.8	5	52
L3+00N 4+00W	24	0.6	10	54
L3+00N 4+20W	38	0.6	5	69
L3+00N 4+40W	18	0.7	10	70
L3+00N 4+60W	21	0.7	5	59
L3+00N 4+80W	36	1.0	5	90
L3+00N 5+00W	57	0.8	70	86
L3+00N 5+20W	76	1.2	5	119

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: ~~WELCOME NORTH MINES~~

File: 6-764/P4

Project:

Date: SEPT 16/86

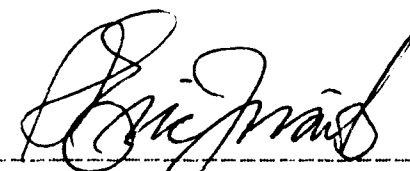
Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPM	ZN PPM
L2+00N 1+60W	14	0.4	5	44
L2+00N 1+80W	12	0.2	5	36
L2+00N 2+00W	15	0.3	10	28
L2+00N 2+20W	13	0.5	5	50
L2+00N 2+40W	18	0.3	5	56
L2+00N 2+60W	24	0.6	5	72
L2+00N 2+80W	46	0.4	5	81
L2+00N 3+00W	45	0.7	15	114
L2+00N 3+20W	36	0.6	5	93
L2+00N 3+40W	32	0.5	5	68
L2+00N 3+60W	29	0.4	5	70
L2+00N 3+80W	46	0.6	5	94
L2+00N 4+00W	40	0.2	50	94
L2+00N 4+20W	34	0.4	10	96
L2+00N 4+40W	48	0.5	15	97
L2+00N 4+60W	32	0.6	10	76
L2+00N 4+80W	36	0.3	5	92
L2+00N 5+00W	44	0.8	5	100
L2+00N 5+20W	21	0.6	5	61
L2+00N 5+40W	30	1.0	15	92
L2+00N 5+60W	22	1.0	5	77
L2+00N 5+80W	23	0.6	10	66
L2+00N 6+00W	16	0.3	5	42
L2+00N 6+20W	29	0.8	5	66
L2+00N 6+40W	32	0.7	5	77
L2+00N 6+60W	34	1.0	5	72
L2+00N 6+80W	38	1.2	10	80
L2+00N 7+00W	20	0.4	5	58
L2+00N 7+20W	28	0.4	5	68
L2+00N 7+40W	20	0.4	5	56

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MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P3

Project:

Date: SEPT 17/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L1+00N 3+80W	32	0.4	5	67
L1+00N 4+00W	36	0.4	15	101
L1+00N 4+20W	40	0.6	5	102
L1+00N 4+40W	48	0.6	5	109
L1+00N 4+60W	32	0.3	20	64
L1+00N 4+80W	56	0.5	5	98
L1+00N 5+00W	46	0.6	5	94
L1+00N 5+20W	36	0.6	5	80
L1+00N 5+40W	54	0.8	5	120
L1+00N 5+60W	30	0.6	5	71
L1+00N 5+80W	34	0.6	10	68
L1+00N 6+00W	50	0.5	5	70
L1+00N 6+20W	40	0.6	5	84
L1+00N 6+40W	40	0.8	5	86
L1+00N 6+60W	32	0.6	5	70
L1+00N 6+80W	41	1.4	5	80
L1+00N 7+00W	30	0.6	5	73
L1+00N 7+20W	22	0.3	5	54
L1+00N 7+40W	30	0.5	15	64
L1+00N 7+60W	28	0.4	5	70
L1+00N 7+80W	23	0.4	5	54
L1+00N 8+00W	26	0.3	5	56
L2+00N BL0+00	18	0.2	5	52
L2+00N 0+20W	19	0.3	5	46
L2+00N 0+40W	24	0.5	5	56
L2+00N 0+60W	22	0.3	10	52
L2+00N 0+80W	22	0.4	20	51
L2+00N 1+00W	23	0.6	5	44
L2+00N 1+20W	19	0.4	45	42
L2+00N 1+40W	17	0.4	5	47

Certified by

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEMCompany: ~~WELCOME NORTH MINES~~

File: 6-764/P2

Project:

Date: SEPT 16/86

Attention: JACK MCCLINTOCK

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
L0+00N 6+00W	40	0.8	5	84
L0+00N 6+20W	59	0.7	5	96
L0+00N 6+40W	58	1.0	5	78
L0+00N 6+60W	25	0.3	5	61
L0+00N 6+80W	19	0.2	5	38
L0+00N 7+00W	27	0.4	10	67
L0+00N 7+20W	46	0.4	5	100
L0+00N 7+40W	27	0.5	5	52
L0+00N 7+60W	22	0.4	10	49
L0+00N 7+80W	28	0.2	5	59
L0+00N 8+00W	30	0.5	5	60
L1+00N BLO+00	18	0.2	5	39
L1+00N 0+20W	26	0.3	10	41
L1+00N 0+40W	21	0.2	5	48
L1+00N 0+60W	20	0.2	5	54
L1+00N 0+80W	20	0.6	5	54
L1+00N 1+00W	16	0.2	5	40
L1+00N 1+20W	20	0.4	10	49
L1+00N 1+40W	17	0.3	5	46
L1+00N 1+60W	26	1.0	5	66
L1+00N 1+80W	24	0.4	10	58
L1+00N 2+00W	24	1.0	5	57
L1+00N 2+20W	20	0.6	5	46
L1+00N 2+40W	16	0.4	10	38
L1+00N 2+60W	12	0.4	5	34
L1+00N 2+80W	18	0.4	15	44
L1+00N 3+00W	14	0.5	5	48
L1+00N 3+20W	16	0.5	5	52
L1+00N 3+40W	22	0.4	5	62
L1+00N 3+60W	16	0.6	5	59

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705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM**PEARL RESOURCES LTD**Company: ~~WELBOME NORTH MINES~~Project: **ETHEL WEDGE**

Attention: JACK MCCLINTOCK

File: 6-764/P1

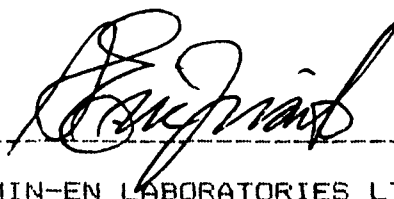
Date: SEPT 17/86

Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted. **SEP 19 1986**

Sample Number	PB PPM	AG PPM	AU PPB	ZN PPM
LO+00N BL0+00	17	0.5	10	39
LO+00N 0+20W	28	0.2	5	43
LO+00N 0+40W	18	0.4	5	38
LO+00N 0+60W	19	0.4	5	40
LO+00N 0+80W	17	0.3	5	39
LO+00N 1+00W	18	0.2	5	40
LO+00N 1+20W	21	0.3	5	45
LO+00N 1+40W	19	0.4	10	50
LO+00N 1+60W	18	0.6	5	44
LO+00N 1+80W	18	0.4	5	46
LO+00N 2+00W	18	0.2	5	40
LO+00N 2+20W	19	0.6	5	42
LO+00N 2+40W	18	0.4	5	44
LO+00N 2+60W	24	0.4	10	60
LO+00N 2+80W	17	0.5	5	48
LO+00N 3+00W	22	0.6	5	53
LO+00N 3+20W	26	0.4	15	56
LO+00N 3+40W	19	0.4	5	49
LO+00N 3+60W	17	0.5	10	44
LO+00N 3+80W	16	0.4	35	37
LO+00N 4+00W	18	0.2	5	54
LO+00N 4+20W	25	0.8	10	62
LO+00N 4+40W	16	0.4	5	52
LO+00N 4+60W	22	0.4	5	72
LO+00N 4+80W	22	0.6	5	66
LO+00N 5+00W	34	0.8	10	79
LO+00N 5+20W	31	0.5	5	80
LO+00N 5+40W	44	0.6	15	86
LO+00N 5+60W	20	0.4	5	75
LO+00N 5+80W	29	0.4	5	66

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

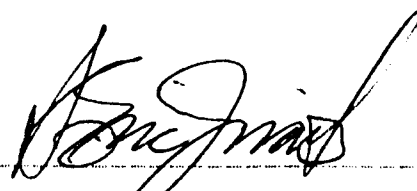
Company: ~~WELCOME NORTH MINES~~
Project: PEARL RESOURCES
Attention: JACK MCCLINTOCK

File: 6-764
Date: SEPT 12/86
Type: ROCK ASSAY

We hereby certify the following results for samples submitted. **SEP 30 1986**

Sample Number	AU G/TONNE	AU OZ/TON
6953	.70	0.020
6960	1.00	0.029

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: WELCOME NORTH MINES

Project: PEARL ETZEL

Attention: JACK MCCLINTOCK

File: 6-764

Date: SEPT 12/86

Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
------------------	----------------

6951	260
6952	275
6953	710
6954	62
6955	85

6956	270
6957	325
6958	38
6959	3
6960	870

6961	8
6962	16
6963	2
6964	24
6965	1

6966	3
6967	55
6968	4
6969	1

Certified by

MIN-EN LABORATORIES LTD.

LEGEND

TERTIARY

- | | |
|-----|---|
| Sy | Hornblende syenite, coarse grained, equigranular with porphyritic border phases. |
| QFP | Quartz-feldspar porphyry, medium to fine grained porphyritic texture of feldspar and rounded quartz phenocrysts in a very fine grained to aphanitic felsic ground mass. |

LOWER TERTIARY TO UPPER CRETACEOUS

Mount Nansen Group

- | | |
|---------|---|
| RY(APD) | Rhyolite: light grey to white coloured with aphanitic. |
| VA | Autobrecciated andesitic to dacitic flows, fine grained porphyritic texture of feldspar and hornblende in a medium grey coloured ground mass. |
| VB | Basaltic to andesitic tuff, breccia and agglomerate cut by narrow porphyritic andesite dykes. |
| VT | Ash to lapilli tuff, generally pyritized, bleached and argillically to sericitally altered to vary degrees. |

CRETACEOUS

- Gr Hornblende-biotite quartz monzonite to granodiorite, medium grained, hypidiomorphic granular texture.

MODIFIERS

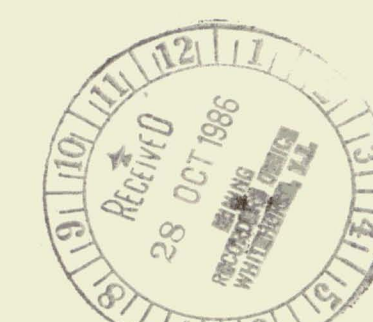
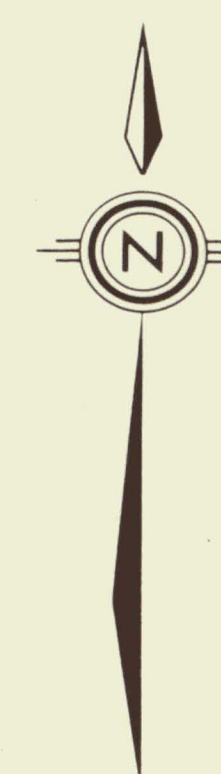
- | | |
|---|------------------------|
| a | SERICITICALLY ALTERED |
| y | PROPYLITICALLY ALTERED |
| p | PYRITIZED |
| m | MAGNETITE |
| s | STRONGLY |
| w | WEAKLY |

- ROAD
- TRENCH
- SILT SAMPLE LOCATION Pb ppm, Ag ppm, Au ppb, Zn ppm
- SOIL SAMPLE LOCATION _____
- SOIL SAMPLE GRID _____
- GEOLOGICAL CONTACT
- ROCK OUTCROPPING
- TALUS OR SUBOUTCROP
- Ag 2.0-2
- Ag 1.0-1

 GOLD IN SOILS > 50 ppb

Ag 2.0–2.9 ppm (BIANCONI & SAAGER)

Ag 1.0-1.9 PPM (BIANCONI & SAAGER)



PEARL RESOURCES LTD.

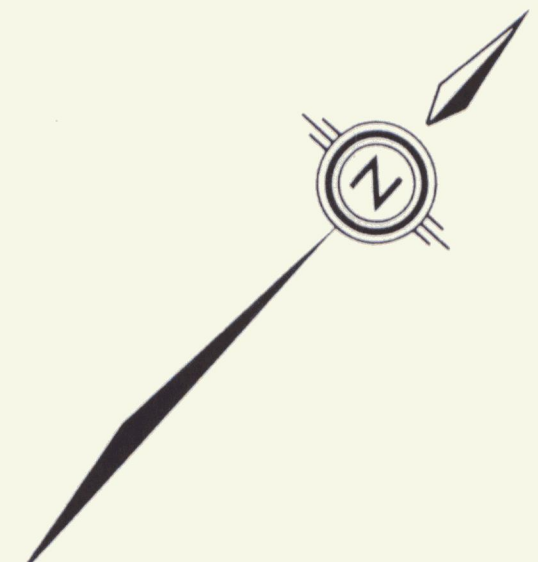
ETZEL PROPERTY
WHITEHORSE MINING DISTRICT - YUKON TERRITORY

GEOLOGY & SAMPLE LOCATION MAP



METRES	
DATE: SEPT., 1986	N.T.S. 115 I-3
BY: J.M./rwr	SCALE: 1:5000

FIGURE:
591870



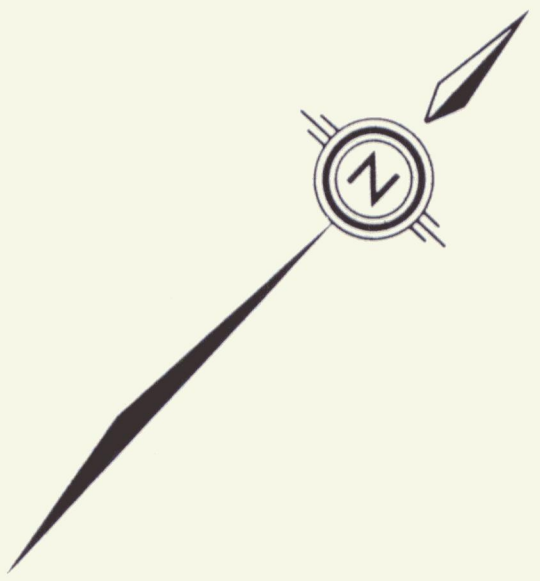
LEGEND:

- SILVER ppm, GOLD ppb RESULTS
- 1.7ppm SILVER CONTOUR
- 50ppb GOLD CONTOUR



Handwritten signature/initials.

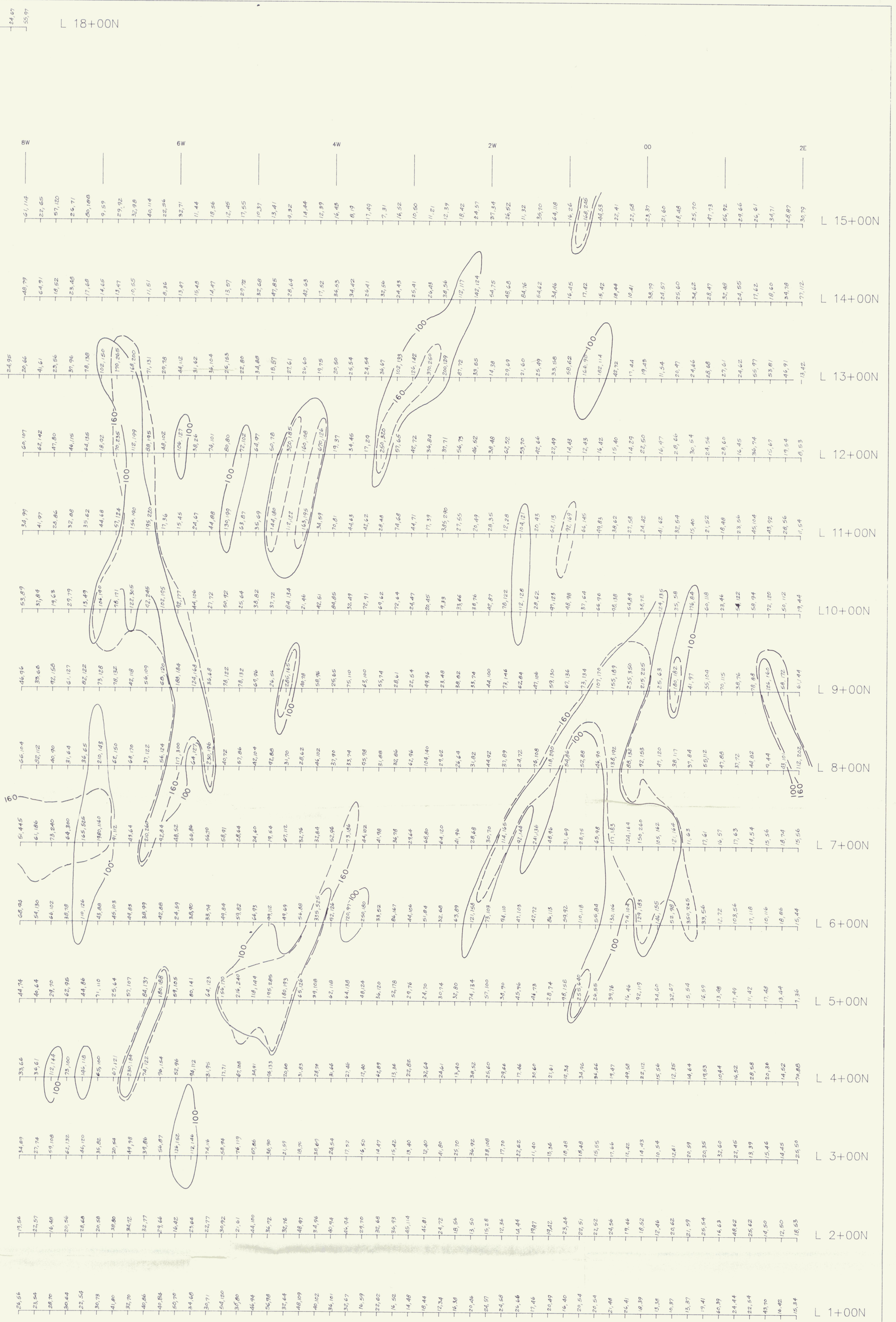
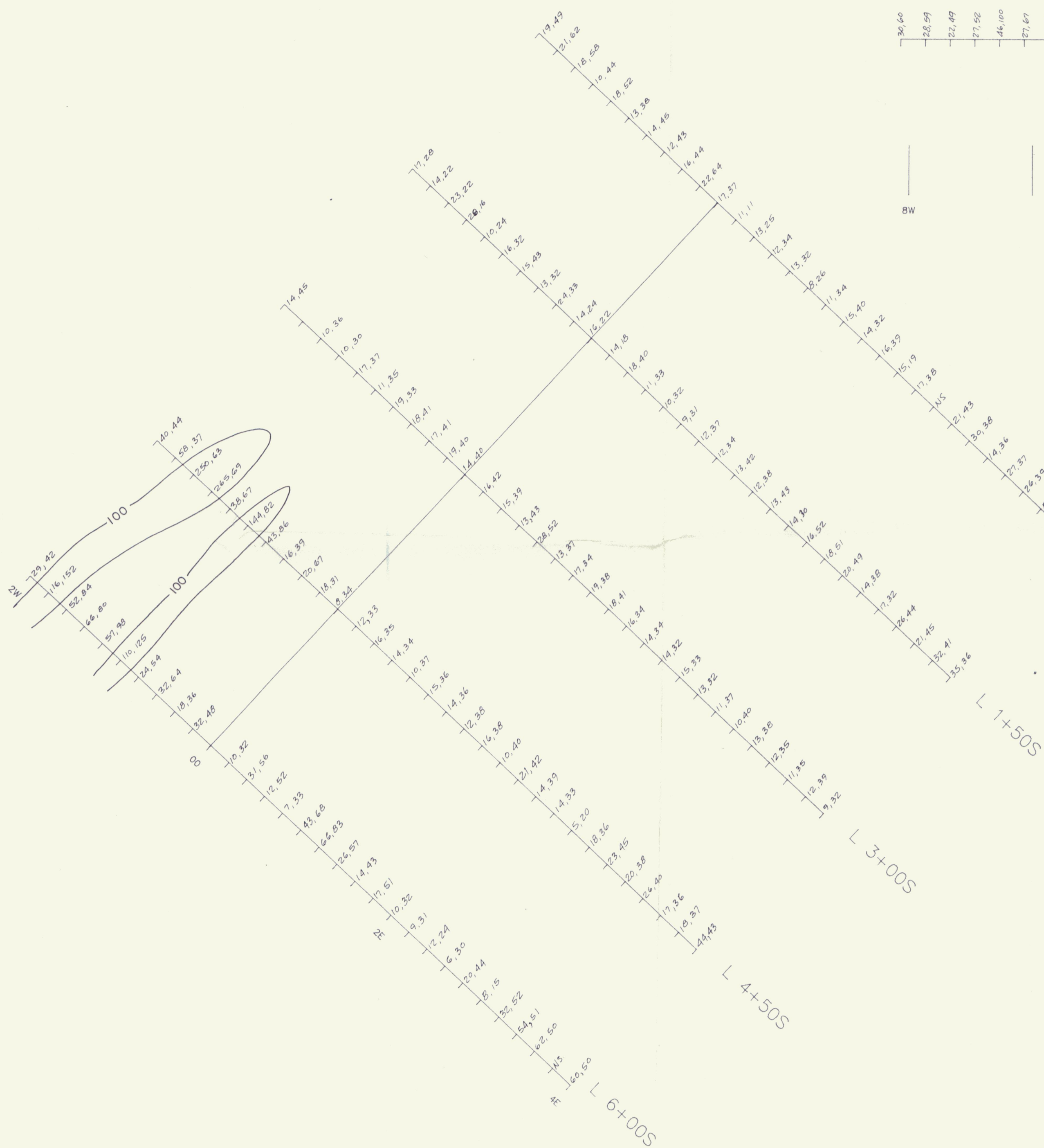
PEARL RESOURCES LTD.	
ETZEL PROPERTY WHITEHORSE, M.D., YUKON TERRITORY	
SOIL GEOCHEMISTRY SILVER, GOLD RESULTS	
0 100 200 SCALE IN METRES	
DATE: SEPT., 1986 BY: J.M./rwr	FIGURE



LEGEND:

LEAD, ZINC VALUES IN ppm

100ppm LEAD CONTOUR
160ppm ZINC CONTOUR



PEARL RESOURCES LTD.	
ETZEL PROPERTY	
WHITEHORSE M.D., YUKON TERRITORY	
SOIL GEOCHEMISTRY	
LEAD, ZINC RESULTS	
0 100 200	
SCALE IN METRES	
DATE: SEPT., 1986	
BY: J.M./rwr	
FIGURE	