

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 89.10.14

ASSESSMENT REPORT 18044

MINING DIVISION: Omineca

PROPERTY: Vega
 LOCATION: LAT 56 09 00 LONG 125 20 00
 UTM 10 6225012 355049
 NTS 094C03W

CLAIM(S): Vega, Vega 2-3, Grum
 OPERATOR(S): Canmine Dev. Cyprus Gold
 AUTHOR(S): Stevenson, D.B.; Weishaupt, R.
 REPORT YEAR: 1988, 304 Pages

COMMODITIES

SEARCHED FOR: Copper, Gold

GEOLOGICAL

SUMMARY: The Vega group lies on a north-northwest trending fault structure in Upper Triassic to Jurassic age Takla Group volcanics. Several prominent fault structures cut the mineral zone into several segments with right hand offsets. The zones may be 30 metres in width. Mineralization consists of chalcopyrite, pyrite and minor bornite and gold, either disseminated or concentrated along calcite stringers, shears and fractures.

WORK

DONE: Geochemical, Geophysical, Drilling
 DIAD 1088.1 m 8 hole(s); BQ
 IPOL 9.5 km
 LINE 7.3 km
 ROCK 29 sample(s) ; CU, PB, ZN, AU, AG, AS
 SAMP 679 sample(s) ; CU, PB, ZN, AU, AG, AS
 SOIL 1969 sample(s) ; CU, PB, ZN, AU, AG, AS
 Map(s) - 3; Scale(s) - 1:5000

RELATED

REPORTS: 00587, 16335
 MINFILE: 094C 021

GEOCHEMICAL, GEOPHYSICAL, PHYSICAL
AND DIAMOND DRILLING
REPORT

ON THE VEGA GROUP OF MINERAL CLAIMS
CONSISTING OF THE:

VEGA	MINERAL CLAIM	16 UNITS	RECORD NO.	9947
VEGA 2	MINERAL CLAIM	8 UNITS	RECORD NO.	8062
VEGA 3	MINERAL CLAIM	12 UNITS	RECORD NO.	9239
VEGA 4	MINERAL CLAIM	16 UNITS	RECORD NO.	9240
GRUM	MINERAL CLAIM	10 UNITS	RECORD NO.	8433

LOCATED IN THE Omineca Mining Division
OF BRITISH COLUMBIA

N.T.S. : 94C/3W

LATITUDE : 56 DEGREES 9 NORTH

LONGITUDE : 125 DEGREES 20 WEST

WORK APPLIED TO: ALL OF THE ABOVE CLAIMS

OWNER

CANMINE DEVELOPMENT COMPANY INC.
1695 MARINE DRIVE,
NORTH VANCOUVER, B.C., V7P 1V1

OPERATOR
(JOINT VENTURE)

CYPRUS GOLD (CANADA) LTD.
1810-1055 WEST HASTINGS STREET
VANCOUVER, B.C., V6E 2E9

PREPARED BY:

David B. Stevenson
DAVID B. STEVENSON, B.Sc., FGAC.

Richard Weishaup
RICHARD WEISHAUP, A.Sc.T.

DATE SUBMITTED:

Nov 23/88

LOG NO.	1130	RD.
ACTION		
DATE		

GEOLOGICAL
DEPARTMENT

SUB-RECORDER RECEIVED	
NOV 23 1988	
M.R. #	\$
VANCOUVER, B.C.	

SUMMARY AND CONCLUSIONS

Work conducted by previous operators indicated potential for open pit quartz-breccia and underground-quartz lode style of gold-copper mineralization on the Vega property.

A 10.7 m (35 ft.) cross-cut in an adit, put in by Cominco in 1935-1937, averaged 0.14 opt gold and 1.46 percent copper. Strong gold-copper soil geochemistry was noted to be associated with the adit suggesting a good correlation between the two elements. Limited soil sampling conducted by Canmine south of the adit outlined a large gold-copper anomaly untested by diamond drilling to date. Based on magnetic data and previous diamond drilling a large intrusive body was interpreted to exist in this area. Investigation of old drill core indicated gold-copper mineralization is localized along intrusive contacts in quartz-chalcedony veins or in hydrothermal breccia-zones. Therefore, sections along intrusive contacts were considered favourable for hosting gold-copper mineralization.

Of seventy-one 1.5 m (5 ft.) channel samples collected by Cominco in the Vega adit, sixty-nine samples were reported to contain gold values greater than 0.02 ounces per ton. On this basis, it appeared the property could contain larger areas of low grade gold-copper mineralization, and therefore potential for a bulk tonnage open pit operation.

A total of 1088.11 m (3569 ft.) in eight holes were put down on the Vega property during 1988. Each hole tested a pole-dipole chargeability anomaly either with direct or slight down slope anomalous gold soil geochemistry. No significant precious metal

SUMMARY AND CONCLUSIONS CONT.

or base metal values were encountered in any of the areas drilled. The highest gold value intersected was 2030 ppb (0.059 opt) over a 1.45 m (4.76 ft.) width in V-88-01. The best weighted average is 509 ppb or 0.015 opt over 5.96 m (19.55 ft.) intersected in V-88-08. Gold mineralization is related to pyritic quartz-chalcedony veining or disseminated concentrations of pyrite (chalcopyrite) coating fracture planes at or near contacts between mafic pyroclastics and syenite intrusions. Isolated gold highs were noted in some mudstone units but these occur less frequently and are not related to any known syenitic intrusive activity. In addition, the strength of gold values were noted not to be a function of the intensity of alteration but rather appear to occur at random.

Fourteen grab and chip samples were taken from the Vega adit by Canmine and Cyprus personnel in order to confirm assays previously reported in 1937. Surprisingly, most assays are less than 500 ppb and only one in the ore grade range. This sample ran 9050 ppb or 0.264 opt gold and was taken in an area where 0.35 opt gold was previously reported. In addition, a chip sample was taken by the author over most of the section in which 0.14 opt gold over 10.7m (35 ft.) was determined in 1937. A value of 350 ppb (0.01 opt) gold was returned.

SUMMARY AND CONCLUSIONS CONT.

All of the better gold soil anomalies have been surveyed and tested by IP and diamond drilling, respectively. No significant sections of open pit-quartz breccia or underground-quartz lode style of gold-copper mineralization were intersected. Potential for economic sections of gold-copper mineralization is now considered to be low on the Vega property.

RECOMMENDATIONS

Potential for both open pit quartz-breccia and underground lode styles of gold-copper mineralization have been tested on the Vega Property. Although results failed to produce ore grade material, potential may still exist in the vicinity of the Vega adit and areas with Geophysical or Geochemical anomalies untested by diamond drilling to date.

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1. INTRODUCTION

Located 200 km (125 miles) northeast of Smithers, British Columbia, the Vega property was explored for epithermal-type gold-copper mineralization under a joint agreement, between Canmine Development Company Inc. and Cyprus Gold (Canada) Limited (Figure 1).

Work conducted by previous operators indicated the potential for large tonnage gold-copper quartz-lode and quartz-breccia styles of mineralization. The vicinity of an adit, put in by Cominco in 1935-1937, was the focus of attention. A 10.7 m (35 ft.) cross cut in the underground workings reportedly averaged 0.14 opt gold and 1.46 percent copper. Gold-copper mineralization tends to concentrate along intrusive-metavolcanic contacts in quartz veins or in hydrothermal breccia zones.

Two phases of soil sampling were conducted in order to confirm and better define targets for IP surveying. Six areas were outlined for pole-dipole-chargeability and resistivity surveying from which eight holes totalling 1088.11 m (3569 ft.) were drilled to test chargeability anomalies with either coincident or slight down slope gold soil geochemistry.

Prospecting and rock sampling were done over the entire grid. Detailed mapping was not conducted due to extensive overburden cover.

Re-logging and re-sampling of twelve holes (2085.36m), put in by British Petroleum in 1975, was also conducted during the initial phase of soil sampling and prospecting. Magnetic susceptibility was noted to be similar in all rock types,

1. INTRODUCTION CONT.

therefore, no ground magnetic survey was considered justified.

2. LOCATION AND ACCESS

The Vega property is located 200 km (125 miles) northeast of Smithers, British Columbia, centered at latitude 56 degrees, 9 minutes north and longitude 125 degrees, 20 minutes west and on NTS Sheet 94C/3W (Figure 1).

Uslika Lake, which is 6.5 km (4 miles) to the southeast, is on the Omineca Highway approximately 240 km (150 miles) by road from Fort St. James. Access to the property is by helicopter or along a good trail from Uslika Lake.

3. PHYSIOGRAPHIC SETTING

The property is characterized by northerly trending ellipsoidal mountains ranging in relief from 1100 m to 1600 m. Drainage forms a north-south and east-west pattern with the main drainage direction being towards the east. Most valleys are forested with commercial grade fir and hemlock, while the ridge tops are bare to sparsely forested. Logging operations are presently being conducted outside the southeastern property boundary.

4. CLAIMS AND HOW HELD

The Vega claim group consists of 5 mineral claims (Figure 2) totalling 62 units. Most are in good standing beyond January 1989 with the exception of the Vega 2 claim which expires in

4. CLAIMS AND HOW HELD CONT.

October, 1988. Canmine holds a 100% interest in all the claims subject to its joint agreement with Cyprus Gold (Canada) Ltd.

The following described work is to be applied to the Vega Group of Mineral Claims consisting of:

CLAIM NAME	NO. OF UNITS	RECORD NO.	EXPIRY DATE
VEGA	16	7947	October 2nd, 1989
VEGA 2	8	9062	October 19th, 1988
VEGA 3	12	9239	January 12th, 1989
VEGA 4	16	9240	January 12th, 1989
GRUM	10	8433	June 15th, 1989

5. BUSINESS TERMS

Cyprus Gold (Canada) Ltd. had an option to earn a 50 percent interest in the property by incurring an expenditure of 800,000 dollars and making property payments totalling 175,000 dollars over a three year period ending December 31, 1990. This Vega Property Aquisition Agreement has recently received the Notice of Termination effective November 10th, 1988.

6. HISTORY AND PREVIOUS WORK

In 1928 claims were staked in the Vega area for Cominco after gold was panned from Vega Creek. Between 1935 and 1938 Cominco conducted hydraulic stripping, trenching and 194 m (635 ft.) of drifting, crosscutting and raising. Cominco held the property until 1950.

In 1963 Croydon Mines Ltd. staked the property and in 1964 conducted a program of soil sampling and trenching. A copper soil

6. HISTORY AND PREVIOUS WORK CONT.

anomaly 610 m (2,000 ft.) square, was located southeast of the old workings. No further work was done.

In 1974 BP Minerals Limited optioned the Vega property from Emil Bronlund. Between 1974 and 1976 BP staked additional claims, completed an airborne mag survey, established a grid, conducted geological mapping, geochemical and IP-mag surveys, including 2085 m (6840 ft.) of diamond drilling in 12 holes. The results of the drilling were disappointing. The highest gold value encountered was intersected in VD-1 and ran 0.07 opt, 0.01 opt Ag and 0.42% copper. The majority of the gold, silver and copper values were less than 0.003 opt, 0.05 opt and 0.05 percent, respectively. The work conducted by BP Minerals was targeted towards porphyry copper mineralization and did not effectively test the known gold-copper showing.

Between October, 1986 and January, 1988 Canmine acquired the present claim block (Figure 2) and have since conducted a limited soil sampling survey. This survey indicated the presence of a strong gold soil anomaly in association with the old workings. Several other strong gold anomalies were detected elsewhere on the property.

7. REGIONAL GEOLOGICAL SETTING

Rocks in the Vega property area range in age from Cambrian (and earlier?) to Cretaceous or Tertiary and young from a south westerly to a northeasterly direction. The regional structural trend is northwesterly.

7. REGIONAL GEOLOGICAL SETTING CONT.

The oldest rocks are known as the Tenakihi group and are dominated by quartz-mica and garnetiferous schists. The age of the Tenakihi group has not been established but are known to underlie the Lower Cambrian strata of the Ingenika group. Due to lithological similarities the Tenakihi group may represent the northwest extension of the Proterozoic rocks of the Cariboo district. The rocks of the Ingenika group consist of quartz-mica and quartz-chloride schists, quartzite and interbedded crystalline limestone and rest on the Tenakihi group without apparent angular discordance.

The Ingenika group rocks are in turn overlain by Carboniferous to Permian Cache Creek group andesitic to basaltic volcanic (tuffs, breccias, agglomerates) and sedimentary rock types (argillite, slate, ribbon chert and limestone).

All of the Paleozoic rocks are cut by peridotite, serpentinite, dunite, and pyroxenite bodies which have been grouped with the post-middle Permian, pre-Upper Triassic Trembleur intrusions of east-central British Columbia.

The Vega property occurs entirely within a sequence of rocks of Triassic and Jurassic age known as the Takla group. These rocks consist dominantly of andesitic flows and breccias with minor shale, conglomerate and limestone.

The Takla group rests against the northwesterly trending Hogem batholith which comprises part of the intrusive sequence known as the Omineca intrusions. These Upper Jurassic or Lower Cretaceous intrusions are dominated by light grey to pale buff

7. REGIONAL GEOLOGICAL SETTING CONT.

granodiorites and quartz monzonites. The intrusions cut Jurassic strata of the Takla group, and in part were unroofed in time to supply boulders to the Lower Cretaceous beds of the Uslika Formation.

Only a small body of the Uslika Formation has been mapped in the vicinity of the Vega property and occurs approximately 13 km (8 miles) to the southeast. It consists mainly of conglomerate and wherever exposed, its contacts are highly sheared which has suggested it has been downfaulted into its present position in the late Paleozoic rocks.

Sedimentary rocks of late Cretaceous to early Tertiary age are found in two places in the area and both have been provisionally correlated with the continental Sustut group. These consist of conglomerates, sandstone, shale and minor coal.

As previously mentioned, the major structures trend north westerly and have highly variable dips. Beds of the Tenakihi and Ingenika groups have been deformed into a series of compound folds, inclined or overturned to the southwest. Most formations are intersected by steeply dipping, northwesterly trending faults or fault zones of great length and unknown displacement. Between them are many traverse faults, striking north, northeast and east.

The Hogem Batholith has been emplaced along what appears to have been the axis of a large syncline of late Paleozoic and early Mesozoic rocks.

8. PROPERTY GEOLOGICAL SETTING

The Vega property lies within steep southwesterly dipping Upper Triassic to Jurassic Takla Group volcanic and sedimentary rocks. This sequence consists mainly of andesitic flows, breccias and tuffs including mudstone units. These are intruded by Upper Jurassic or Lower Cretaceous syenodiorite stocks and dykes related to the Hogen Batholith to the south west. Intrusive-volcano sedimentary contacts parallel the regional northwest structural trend. Pervasive calcite, chlorite, epidote, hematite and quartz alteration occurs adjacent to the contacts. Occasional thin veins of quartz-chalcedony in narrow zones of silicification are present. The propylitic alteration contain veins and disseminations of sulphide minerals with notable values in gold and copper. The mineralization consists of pyrite, chalcopyrite and bornite and occurs in brecciated and altered andesite and/or syenite. The sulphides are concentrated along shear and fracture zones.

Intense, closely spaced fracturing and faulting, which occurs in the adit area, is part of a broader deformation zone which is 490 m (1600 ft.) wide and greater than 2100 m (7000 ft.) in length.

9. 1988 EXPLORATION PROGRAM

A total of 1969 "B" horizon soils were collected, in two stages, from a cut grid utilizing a 20 meter (66 ft.) sample spacing and a 121 (400 ft.) meter line spacing. Soil sample holes were dug with pick and/or shovel, averaging approximately

9. 1988 EXPLORATION PROGRAM CONT.

20 cm. in depth. A composite sample from the "B" horizon was collected and placed in a 10 cm. by 25 cm. Kraft paper envelope. Sample stations were marked on the envelopes and a brief soil description was noted. Most cut lines were previously established by BP's work. The second stage of sampling required 7.3 km. of line cutting. All lines were surveyed with branton and chain, with pickets placed every one hundred meters, with 20 m flagged stations. This second stage confirmed and better defined the strongly anomalous gold horizons detected from the initial stage. Canmine personnel conducted the sampling of the soils. All samples were analyzed for Au, Ag, Cu, Pb, Zn and As at ACME Analytical Laboratories in Vancouver, B.C., Canada. Most elements were detected by ICP, except for gold, which was detected by atomic absorption. (Appendix 8) Gold, copper and arsenic have been plotted and contoured. These maps are located in the pockets at the rear of the report and labelled drawings 1, 2 and 3, respectively.

While the first stage of soil sampling was being conducted, 12 holes totalling 2085.36 m (6840 ft.) were re-logged and selected holes re-sampled for Au, Ag, Cu, Pb, Zn and arsenic. Two hundred and eighty seven core samples were taken and sent to ACME Labs for analysis. The assay results are included in the logs located at the back of the report under Appendix 1.

Prospecting of the Vega property was also conducted during the initial stage of soil sampling. A map has been drafted and

9. 1988 EXPLORATION PROGRAM CONT.

is labelled Drawing 4. A total of 29 rock samples were collected and analyzed for Au, Ag, Cu, Pb, Zn and As at ACME Labs by ICP and AA methods. Systematic mapping of the lines was not conducted due to the extensive overburden throughout the property area.

The Vega adit was examined and fourteen selected samples taken for analysis. Most were analyzed for Au, Ag, Cu, Pb, Zn and arsenic.(see Appendix 4) The location and projection of underground workings is indicated on all maps.

Subsequent to the second stage of geochemical sampling 9.5 km (5.9 miles) of pole-dipole induced polarization and resistivity surveys were completed over six priority areas. The areas selected covered anomalous gold horizons indicated by the geochemical program. Pseudo-sections of the lines surveyed are included in the rear pocket and are labelled Appendix 2. Scott Geophysics Ltd. of Vancouver, B.C., was contracted to perform the IP surveying. Located in Appendix 5 is the Logistical Report. In Appendix 6 is the invoice outlining detail costs.

Between September 21, 1988 and October 2, 1988, eight holes totalling 1088.11 m (3569 ft.) were put down on the Vega property. Each hole tested a pole-dipole chargeability anomaly either with direct or slight down slope anomalous gold geochemistry. (Map 4). A total of 392 core samples were taken and analyzed at ACME Labs for Au, Ag, Cu, Pb, Zn and arsenic. All core was marked and labelled, and storage facilities were erected at the camp site location. (Latitude 56 degrees, 9 minutes 31

9. 1988 EXPLORATION PROGRAM CONT.

seconds north, longitude 125 degrees, 20 minutes 7 seconds west). Logs and assay results are labelled under Appendix 3 at the back of the report. The diamond drilling was contracted to J.T. Thomas Diamond Drilling of Smithers, British Columbia. Invoice and detailed costs are located in Appendix 7.

9.1 SOIL GEOCHEMICAL RESULTS

Soil geochemistry was successful in outlining several large areas with highly anomalous values in gold, copper, arsenic, and to a lesser extent, zinc on the Vega property. A good correlation exists between the former three at times. Values range from minimum detectable levels to highs of 1620 ppb Au, 2876 ppm Cu, 1652 ppm As and 521 ppm zinc. Other than in the Vega adit area, no outcrop exposure exists in areas with anomalous gold values in soils.

On average the gold anomalies are 20-60m (66 - 197 ft.) wide and 100 to 600 m (328 to 1969 ft.) in length. Most gold values within these anomalies are greater than 100 ppb. Copper and arsenic anomalies, being more mobile elements, are more extensive, (up to 250 m in width and 700 m in length).

Some copper-arsenic anomalies, as between L21N and L25N and west of the baseline, are being reflected by highly gossanous (py-cp) mafic volcanics and pyritic cherty sediments. Ten rock samples taken in this area range between 69 and 357 ppm Cu and 2 to 41 ppm arsenic. Some base metal potential may exist in this

9.1 SOIL GEOCHEMICAL RESULTS CONT.

area.

A total of six areas were selected for detailed IP surveying. Anomalies which were not surveyed were either previously drill tested, did not have associated gold in soils or were interpreted as resulting from cultural sources (swamps).

9.2 GROUND GEOPHYSICAL RESULTS

Induced polarization and resistivity surveys were conducted over six areas on the Vega property within the period August 31, 1988 to September 8, 1988. The work was conducted by Scott Geophysics Ltd. on behalf of the Cyprus Gold/Canmine Development Co. joint venture.

The pole-dipole electrode array was used on the survey, with an "a" spacing of 25 meters and "n" separations of 1 to 5. The current electrode was to the west of the receiving electrodes on all survey lines. The IP survey completely overlapped all gold anomalies and if encouraging results were encountered then fill-in surveying was conducted.

In all six areas the IP successfully outlined moderate to strong chargeability anomalies which either directly coincided with or had slight down slope anomalous gold geochemistry and at times copper-arsenic.

9.3 DIAMOND DRILLING RESULTS

9.3.1 Geology, Alteration and Mineralization

Eight holes totalling 1088.11m (3569 ft.) were put down on the Vega project during September 21, 1988 and October 2, 1988.

9.3 DIAMOND DRILLING RESULTS CONT.

9.3.1 Geology, Alteration and Mineralization

Each hole tested a pole-dipole chargeability anomaly either with direct or slight down slope anomalous gold geochemistry in soils.

From drill core examination, and to a lesser extent, surface exposures, it is evident the property is underlain by a volcano-sedimentary sequence consisting of fine to very coarse intermediate-mafic pyroclastics and lesser pyritic mudstones. This north to northwesterly trending and steep, westerly dipping supracrustal sequence is intruded by numerous paralleling to cross-cutting syenodiorite stocks and dykes, likely related to the Hogem Batholith to the west.

The pyroclastics consist of dark green-black latite to andesite crystal to lithic tuffs and agglomerates. Over most of the property these rock types are invariably massive, moderate to strongly chloritized and locally silicified with minor disseminated pyrite and magnetite. When found within geochemically anomalous areas the pyroclastics can be a combination of, or all of, the following: strong to intensely bleached and silicified; highly fractured to brecciated; weak to moderately veined and/or weak to strongly kaolinitic. Veining is generally less than 1 cm but can be as thick as 15-20 cm and usually consists of banded quartz-chalcedony or calcite. Pyrite and rarely chalcopryite, bornite, malachite, pyrrhotite, magnetite, hematite, galena and sphalerite are associated sulphides and oxides. Pyrite can occur in concentrations of greater than 50 volume percent, over short widths, but is

9.3 DIAMOND DRILLING RESULTS CONT.

9.3.1 Geology, Alteration and Mineralization

generally less than 1-3 volume percent. The sulphides and oxides occur as fine-grained disseminations and masses within the pyroclastics and veining. An increase in alteration, mineralization and vein frequency was usually noted at or near contacts with syenitic intrusive bodies.

Very coarse agglomerate, present in the central-east end of the grid, suggests the presence of a nearby volcanic vent. The clast size of the pyroclastics becomes progressively smaller and less angular toward the west indicating a westward younging direction. The clast size can be greater than 50 cm while the composition can vary from andesite, diorite, quartz diorite to syenite. There is no significant alteration, mineralization or veining associated with this vent. The pyroclastics are periodically interbedded with thin units of pyritic mudstones.

Drilling and geological mapping have shown major mudstone units (up to 300 m?) exist near the baseline. These mudstone units are very fine grained and massive to locally finely laminated, tan-brown in color and cherty to strongly silicified. In holes 4 and 5 fault related graphite-breccia is part of the sequence intersected. As observed in outcrop and drill core these units are preferentially strongly fractured to brecciated with typical epithermal banded white-grey quartz-chalcedony coating fracture planes and "healing" breccia zones resulting in a moderately dense haphazard stockwork system. Pyrite is the dominant sulphide with only rare occurrences of galena,

9.3 DIAMOND DRILLING RESULTS CONT.

9.3.1 Geology, Alteration and Mineralization

sphalerite and pyrrhotite. Again pyrite content can exceed 50 volume percent over short widths but averages less than 8 volume percent over wider sections (10 - 88 m).

Other than in hole V-88-3, 6 and 8, the mudstone units are the primary sources of chargeability detected during the IP survey. In holes 3, 6 and 8, altered pyritic syenite and/or andesite volcanics are the sources of chargeability.

The syenites are the last major unit observed on the Vega property. This rock type is light grey-pink on the weathered surface and dark grey-pink on a fresh surface. Texturally, they are fine to medium grained, massive to porphyritic. When porphyritic the phenocrysts are sub-hedral to uhedral (up to 2 mm X 4 mm) and consist dominantly of plagioclase and lesser so hornblende. These phenocrysts rest in a very fine grained light to dark grey-pink syenitic ground mass. Syenites can also be strongly bleached, silicified kaolinitic and brecciated. In some sections the altered syenites are locally strongly-veined and pyritic. These sections are likely reflecting, in part, the chargeability anomalies in holes V-88-3, 6 and 8.

As observed in the adit, syenitic dykes trend north, northwest and westerly with steep variable dips. However, the general overall trend appears to be northwesterly. Syenites vary considerably in width, ranging from less than 5 cm to greater than 130 m as in hole VD-3.

9.3 DIAMOND DRILLING RESULTS CONT.

9.3.2 Drill Core Assay Results

The entire length of holes VD-1, 2, 3 and parts of 4 and 6 were quartered and the samples sent to ACME Labs to be analyzed for Au, Ag, Cu, Pb, Zn and arsenic. Selected sections in the V-88 holes were halved and also sent to ACME to be analyzed by the same package. All results were discouraging. The highest gold value intersected from both programs is 2030 ppb (0.059 opt) over a 1.45 m width in V-88-01. The best weighted average is 509 ppb or 0.015 opt over 5.96 m intersected in V-88-08. Most anomalous gold values are concentrated in either pyritic quartz-chalcedony veins or concentrations of pyrite (chalcopyrite) coating fracture planes at or near contacts between syenites and mafic pyroclastics. Isolated gold highs were noted in the mudstones but these occur less frequently. The value of gold was noted not to be a function of the intensity of alteration but rather appears to occur at random. Neither rock type preferentially hosts auriferous values.

All VD holes, excluding 1 and 3, did not intersect sections of rock with associated anomalous gold in soils. British Petroleum put in the VD holes during 1975. Their program was orientated towards porphyry copper exploration and therefore did not effectively test the gold potential of the Vega property. All V-88 holes tested a chargeability anomaly either with direct or slight down slope anomalous gold geochemistry in soils.

9.4 VEGA ADIT RESULTS

Fourteen grab to chip samples were taken from the Vega adit in order to confirm assay values previously taken in 1937. Surprisingly most assays were less than 500 ppb and only one in the ore grade range. (Appendix 4). This sample ran 9050 ppb or 0.264 opt gold and was taken in an area where 0.35 opt gold was previously reported. A chip sample taken by the author, across half of the section in which 0.14 opt Au over 10.7 m (35 ft.) was determined in 1937, returned a value of 350 ppb gold. Since sampling performed in the Vega adit by Canmine and Cyprus personnel were unable to reproduce values taken in 1937 it would appear assaying problems must have been encountered at the lab at that time.

APPENDIX 1

Vega (BP) DDH Logs and Assays (VD-1 to VD-12)



CYPRUS GOLD
(Canada) Ltd.

PAGE ...1.....

[illegible]

PROPERTY VEGA		GRID COORDINATE	STARTED June 15, 1975		DIP AND BEARING TEST									
HOLE No. VD-1			FINISHED June 17, 1975		Meterage	Dip	Bearing	Meterage	Dip	Bearing				
BEARING 090		ELEVATION 1204 m	LENGTH 160.06m											
DIP COLLAR -50		SECTION (Re)	LOGGED BY D.B. Stevenson											
METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
0.0	8.08	Overburden												
8.08	16.03	<u>ANDESITIC CRYSTAL TUFF</u> - f - m.g. massive dark green-black andesitic crystal tuff - rock type consists of less than 2mm euhedral to anhedral crystals of feldspar, hornblende, pyroxene in a v.f.g. mafic groundmass - locally there are frequent variably sized (less than 3 cm) rounded fragments of v.f.g to m.g.massive to crytalline dark grey orange siliceous syenite - the andesite has minor to moderate epidote alteration (replacement of feldspars?) - syenite fragments are weakly to moderately siliceous - andesite is weakly to moderately magnetic - syenite is non to weakly magnetic - there is moderate to locally abundant calcite veining in both the syenite and andesite - py and minor cp tend to be concentrated in the vein aress - the calcite veins are usually less than 5mm thick - hematite is infrequently found with calcite and coating fracture planes - calcite is found as veins and coating fracture planes - entire section is highly fractured and contains numerous intervals of fryable fault gouge material 9.26-9.75-fault gouge-highly fractured 9.75-10.00-f.g. syenite dyke	5 vol%mt 1 vol%mt											
					VD-1-1	10.00	12.00	2.00	31	1.0	641	5		

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
16.03	24.25	-12.10-16.04-fault gouge -very fryable	1 to 4 vol% py, cp		VD-1-2	14.03	16.03	2.00	33	0.6	369	2		
		-py and cp are dominant sulphide and occur in association with calcite veins in concentrations of up to 4 vol% but generally they occur f.g. disseminations												
		-lower contact is brecciated from 15.80-16.03												
		<u>SYENITE</u>			VD-1-3	16.03	18.03	2.00	43	0.7	473	9		
		f-m.g. massive orange-red syenite -weakly carbonatized -numerous thin (2 mm) white calcite veinlets throughout section and becoming stronger down section -minor hematite and epidote alteration -moderately sericitic -occasional slickenslides which are coated by hematite -minor to moderate f.g. disseminated cp, py and bn? -weakly magnetic												
		18.03-18.60 - fault gouge - very fryable	5 vol% cp, py, bn? 2 vol% mt		VD-1-4	20.27	22.25	1.98	26	0.5	192	10		
		20.55-21.00-syenite is more mafic (diorite?) - contacts gradational												
		21.00-21.51-fault gouge -minor hematitic slickenslides												
		22.43-22.53-f.g. mafic dyke -fault gouge												
		-locally minor epidote towards bottom of section 24.20-24.25-contact is marked by 5cm calcite vein			VD-1-5	22.25	24.25	2.00	49	0.8	482	8		

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
24.25	31.72	<u>ANDESITIC CRYSTAL TUFF</u> -as above -moderately magnetic -rare hematitic slickensides -occasional get hematite coating fracture planes -rare (less than 2mm) py veinlets -numerous thin calcite veinlets throughout -occasional epidote spots (less than 3mm in diameter) -py is dominant sulphide and occurs as disseminations and in thin veins; may get rare cp -moderate euhedral mt grains (less than 2mm in diameter) -lower contact is very irregular	3vol% py, ± cp 4vol% mt.		VD-1-6	24.25	26.25	2.00	138	0.8	683	3		
31.72	36.12	<u>SYENITE</u> -as above -moderately magnetic -moderately sericitized 32.60-33.80-moderately to strongly carbonatized -moderate epidote alteration throughout 33.80-34.15-fault gouge -moderate quartz-calcite veining -very friable 35.20-36.12-syenite is much more orangey (strong hematite alteration) -section appears to be flooded with several multiphase calcite quartz veins up to 1.5 cm thick -these veins contain 2-3 vol% py -the inner vein is whiter and coarser	4vol%mt 2vol%py cp 2-3vol% py		VD-1-7	32.60	33.80	1.20	61	0.8	681	3		
					VD-1-8	35.00	36.12	1.12	52	0.5	475	5		

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
36.12	53.40	while the border phase is light orange and has a weak sugary texture -both have associated py -occasional rounded mafic clasts (1cm) present -last 10 cm of section is very fryable (fault gouge?) -lower contact sharp (too fryable to determine dip)												
		<u>ANDESITIC CRYSTAL TUFF</u> -as above -moderately magnetic -periodic rounded (1mm) calcite veinlets -weak sericite alteration -section contains minor disseminated and small (3mm) masses of py and minor cp	4vol%mt											
		36.12-36.30-fault gouge 39.40-40.40-fault gouge 40.75-41.40-section contains 5-15 vol% disseminated, masses and vein-like py -there are several thin (2-3mm) calcite quartz veins	2vol%py, cp		VD-1-9	40.40	41.95	1.55	15	0.5	220	3		
		41.95-43.30-fault gouge -syenitic fragments observed	5-15vol%py											
		43.50-45.00-fault gouge -moderate kaolinitic alteration from 43.45-44.30 -minor hematitic veining -periodic 2mm quartz veins			VD-1-10	43.30	45.00	1.70	58	1.0	615	10		
		45.30-46.10-fault gouge -feldspars have altered to sericite												
		46.10-47.00-most of unit contains moderate			VD-1-11	46.10	47.00	0.90	14	0.6	269	4		



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VEGA

HOLE No. VD-1

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PROPERTY VEGA

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
		- weak to moderately siliceous throughout section - periodic chlorite and hematitic slickenslides										
		95.30-96.15 - f.-m.g. pink-orange syenite	lvol%py									
					VD-1-26	96.15	98.15	2.00	12	0.4	263	3
		100.15-101.25 - f.-m.g. pink to orange syenite - some feldspars are clay altered - minor manganese coating fractures - f.g. py also coats fractures periodically - fryable - contacts irregular	lvol%py									
					VD-1-27	100.15	101.25	1.10	11	0.4	337	4
		101.95-102.15 - m.g. pink syenite dyke										
		102.70-103.25 - m.g. pink syenite dyke - lower part of section is strongly brecciated										
		103.25-104.50 - missing core (fault gouge?)										
		104.50-104.80 - many variably sized fragments of m.g. syenite which are slickenslided and weakly hematitic										
		104.80-105.50 - strongly argillic syenite - frequent thin quartz veins	lvol%py									
					VD-1-28	104.80	105.50	0.80	205	1.3	1860	152
					VD-1-29	105.50	107.50	2.00	137	2.3	2697	10
		105.50-106.50 - moderately argillic (fryable) andesite crystal tuff - py-bearing quartz vein from 105.90-106.00 - Frequent rounded (1cm) syenite fragments present	lvol%py									
					VD-1-30	107.50	109.35	1.85	47	0.8	685	4

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
109.35	120.85	108.84-109.35 - numerous syenite fragemnts present - section strongly brecciated - lower contact irregular (intrusive)												
		<u>PYRITIC TO HEMATITIC SYENITE</u>												
		- f-m.g. massive orange pink pyritic to hematitic syenite - not magnetic												
		109.35-111.00 - section contains abundant f.g. disseminated py, cp, bn - all the hornblendes are altered to sericite and/or epidote - not carbonatized - occassional rounded andesitic fragments - several haphazard py-bearing quartz veins - remainder of unit is similiar to section above except that instead of py there abundant f.g. hematite - sericite and epidote is not as intense	5-10vol% py,cp,bn		VD-1-31	109.35	111.00	1.65	32	0.8	546	19		
			1vol%py		VD-1-32	111.00	113.00	2.00	49	0.5	95	5		
					VD-1-33	113.00	115.00	2.00	28	0.8	591	4		
			5vol%hm		VD-1-34	115.00	116.90	1.90	30	0.6	503	4		
		116.90-117.30 - f.g. dark green black andesitic crystall tuff - weakly magnetic - minor disseminated py - contact sharp	2vol%py 1vol%py											
		117.30-117.99 - strong sericite - epidote alteration in syenite	2vol% py,cp		VD-1-35	117.30	117.99	0.69	22	0.9	643	3		
		117.99-120.85 - syenite is now dark green-pink orange but appears to have a similiar composition as pink-orange syenite (two intrusions?) - weakly epidotized - locally sericitic			VD-1-36 VD-1-37	117.99 119.99	119.99 120.85	2.00 0.86	71 260	0.9 1.8	956 2457	5 6		



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
		- weakly magnetic - minor py, cp	2vol%mt 1vol% py, cp									
120.85	126.95	- lower contact crushed <u>ANDESITE CRYSTAL TUFF</u> - as above - moderately, to locally strongly magnetic - minor disseminated py 123.40-123.09 - fault gouge - very fryable 123.09-124.25 - m.g. pink orange syenite accompanied by py-bearing white vuggy quartz veins 124.25-124.80 - andesite is becoming more schistose - several slickensides which are coated by chlorite - periodic syenite fragments present - lower contact crushed	2-5vol% mt 1vol%py		VD-1-38	120.85	122.85	2.00	84	0.7	967	2
126.95	130.30	<u>PYRITIC TO HEMATITIC SYENITE</u> - as above - moderate to strong epidote alteration throughout (hornblends are altering to epidote) - minor to moderate py, cp - minor hematite - frequent 1 cm py-bearing quartz veins (5/m) 129.30-130.30 - very fryable - weakly kaolinitic - lower contact sharp	2-5vol% py, cp 2vol%hm		VD-1-39	124.95	126.95	2.00	91	0.8	1017	2
					VD-1-40	126.95	128.95	2.00	49	0.4	700	5
					VD-1-41	128.95	130.30	1.35	52	0.3	678	6



PROPERTY VEGA.....

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
130.30	137.90	<u>ANDESITIC CRYSTAL TO LITHIC TUFF</u> - dominantly andesitic crystal tuff as in the previous sections but are now getting more crystalline rock rock fragments of variable composition (granodioritic, syenitic, mafic?) - weak to moderately magnetic - minor py, cp - locally numerous slickenslides 131.50-134.80 - continually alternating very fryable andesite with competent andesite - the fryable sections tend to contain more py-bearing quartz veins and veinlets - lower contact sharp	2vol%mt 2vol%py, cp 1vol%py		VD-1-42 VD-1-43	130.30 132.30	132.30 134.30	2.00 2.00	107 141	0.8 1.3	1111 1717	2 2
137.90	156.05	<u>HEMATITIC SYENITE</u> - as above except the py content is much lower - hematite is weakly abundant - local hematitic stain on fractures - moderate to strong epidote and sercite alteration locally - frequent 3mm py-bearing quartz veinlets throughout 141.50-142.00 - fault gouge 142.00-143.30 - dark grey-orange syenite 143.30-145.00 - fault gouge of dark grey-orange syenite - very fryable 145.00-146.90 - orange-pink syenite - lower contact appears sharp but cannot determined due to its fryability	1vol%py 2-3vol%Hm		VD-1-44 VD-1-45 VD-1-46 VD-1-47 VD-1-48	135.90 137.90 139.90 142.00 145.00	137.90 139.90 142.00 145.00 146.90	2.00 2.00 2.10 3.00 1.90	59 320 545 480 39	0.6 1.2 2.5 2.1 0.3	608 1313 2806 2402 494	2 9 25 2 25



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PROPERTY		VEGA	GRID COORDINATE	STARTED		DIP AND BEARING TEST										
HOLE No.				June 19, 1988		Meterage	Dip	Bearing	Meterage	Dip	Bearing					
VD-2			(BP 376N 106E)	FINISHED		167.68	51°									
BEARING 090			ELEVATION 1207m	LENGTH 236.74m		236.59	47°									
DIP COLLAR -50			SECTION (Re)	LOGGED BY D.B. Stevenson												
METERAGE		DESCRIPTION				% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS		
From	To								From	To	Length	Au	Ag	Cu (ppm)	As (ppm)	
0.00	4.80	Overburden														
4.80	7.50	HEMATITIC FELDSPAR PORPHYRY?						VD-2-1	4.80	7.50	2.70	24	0.2	351	16	
		- f-m.g. massive light grey hematitic feldspar porphyry?														
		- unit consist of mainly euhedral to subeuhedral feldspar with minor hornblende and abundant v.f.g. hematite in a v.f.g. felsic (whitish groundmass)				5-10vol% hm										
		- entire section is strongly iron stained (hematite)				1vol%py										
		- occasional (2mm) milky white quartz veins														
		- lower contact crushed														
7.50	14.37	MONZONITE?														
		- f-m.g. dark grey-green to dark grey-orange to light grey monzonite?														
		- unit consists of a mixture of syenite to monzonite to diorite to feldspar porphyry material; grain size varies alot														
		- numerous thin (1mm) quartz veins throughout														
		- syenite fragments cemented in mafic - syenite groundmass														
		- not magnetic														
		- minor to moderate py with minor cp				1-10vol% py, cp										
		- no f.g. hematite														
		11.60-11.90 - pyritized milky white quartz vein swarm				1-5%py										
		- bottom part of unit is syenitic						VD-2-2	10.37	12.37	2.00	73	1.1	781	181	
		- fault gouge from 13.90-14.37						VD-2-3	12.37	14.37	2.00	36	0.3	547	39	



PROPERTYVEGA.

HOLE No. VD-2.....

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au (ppb)	Ag (ppm)	Cu (ppm)	As (ppm)	
14.37	84.50	<u>ANDESITIC CRYSTAL TUFF</u> - f-m.g. dark green-black massive andesitic crystal tuff - weakly to locally strongly magnetic - plagioclases weak to moderately sausseritized - hematite stain on fracture planes is common - not carbonatized - weak to locally moderately pyritized - frequent wispy milky quartz veinlets - numerous dark grey pink syenite fragment throughout 14.37-16.80 - fault gouge 17.25-18.00 - fault gouge 19.10-19.50 - fault gouge 20.43-20.90 - fault gouge 21.60-22.15 - fault gouge 22.75-23.05 - fault gouge 23.63-23.90 - fault gouge 24.15-33.25 - essentially all fault gouge occasionally graphite forming on fracture surfaces - fryable to muddy when wet - after 33.25 the rock is more competent 33.55-34.00 - andesite-quartz-chalcedony-breccia - quartz-chalcedony acting as matrix 37.25-37.45 - andesite-quartz-chalcedony 37.70-37.95 - andesite-quartz-chalcedony breccia - entire section contains numerous syenite (to monzonitic) fragments of variable size and angularity (most are sub-rounded)	1-4vol% mt 1-5vol% py										
					V-2-4	14.37	16.80	2.43	21	0.1	62	30	
					V-2-5	20.43	22.43	2.00	2	0.1	40	4	
					V-2-6	23.63	25.63	2.00	1	0.2	71	2	
					V-2-7	33.25	35.25	2.00	1	0.1	44	3	
					V-2-8	37.25	39.25	2.00	3	0.1	67	10	
					V-2-9	41.21	44.21	3.00	1	0.1	153	11	

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
		45.70-52.00 - abundant chlorite with at times quartz (chalcedony?) coating fracture planes - minor epidote	1vol%py 3-5vol%me		VD-2-10	47.00	50.00	3.00	1	0.1	59	4
		55.80-60.30 - minor to moderate disseminated and fracture filling py - slightly more epidote clots present - minor quartz veinlets present	1-5vol%py		VD-2-11	55.80	57.80	2.00	21	0.2	144	21
					VD-2-12	57.80	60.30	2.50	27	0.1	136	16
		63.60-63.90 - andesite-quartz breccia	1vol%py		VD-2-13	62.40	64.40	2.00	115	0.3	122	10
		64.40-66.20 - most of section is brecciated with tan brown quartz as matrix - weak to non magnetic - frequent slickensides present	1vol%py		VD-2-14	64.40	66.40	2.00	10	0.1	72	8
		66.50-77.00 - strong, chlorite and less so epidote coating fracture planes			VD-2-15	68.45	70.45	2.00	29	0.2	110	32
					VD-2-16	72.00	74.00	2.00	39	0.4	70	33
					VD-2-17	77.00	79.00	2.00	26	0.1	25	23
					VD-2-18	80.50	82.50	2.00	24	0.2	77	90
					VD-3-19	82.50	84.50	2.00	17	0.1	76	88
		- lower contact is sharp										
84.50	91.10	<u>SYENITE</u>			VD-2-20	84.50	86.50	2.00	11	0.1	131	26
		f-m.g. massive dark grey-orange to green-orange syenite - weakly magnetic - weak to moderate epidote on fracture planes and replacing plagioclase feldspar?; epidote can also occur in masses usually with py - are periodically getting fragments and xenoliths of andesitic crystal tuff - periodic wispy quartz veinlets (not abundant as in andesite) - localized moderate chlorite on fracture planes - lower contact sharp	1-3vol%									
					VD-2-21	89.10	91.10	2.00	6	0.1	150	72



PROPERTY VEGA

HOLE NoVD-2.....

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
124.85	127.65	- veining does not contain much py - contains abundant f.g. disseminated hm - not magnetic - there are some sections which look identical to the feldspar porphyry in VD-3 - lower contact gradational <u>ANDESITIC CRYSTAL TUFF</u>	1vol%py 5-1vol%hm		VD-2-31	124.85	127.65	2.80	1	0.1	152	2
127.65	130.70	- as above - non to locally weakly bleached - weakly magnetic - frequent calcite quartz veining - lower contact gradational? but abrupt <u>BLEACHED ANDESITIC CRYSTAL TUFF?</u>	1-2vol%py		VD-2-32	127.65	129.65	2.00	32	0.2	123	39
		- as above - intensely bleached - weakly to moderately silicified and kaolinitic - abundant haphazard quartz veining (1 mm to 3 cm) - minor to moderate disseminations and masses of py - moderately hematitic throughout - abundant f.g. disseminated hematite weakly - lower contact crushed	1vol%py 1-4vol%py 1-4vol%hm		VD-2-33	129.65	130.70	1.05	29	0.3	204	30
130.70	135.20	<u>HEMATITIZED ANDESITIC CRYSTAL TUFF</u> - as above except the location has been strongly hematitized and as a result it looks like a dark grey-orange syenite - there is abundant syenite fragments present including monzonitic fragments therefore suggesting it is the andesite - weakly bleached and less so kaolinite			VD-2-34	130.70	132.70	2.00	34	0.3	449	13

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
135.20	148.78	132.70-133.65 - moderately bleached - abundant pyrite-bearing calcite quartz veining throughout (1mm to 5cm)	3vol%py		VD-2-35	132.70	133.65	0.95	5	0.1	157	4
					VD-2-36	133.65	135.20	1.55	30	0.1	196	6
		- lower contact gradational										
		<u>BLEACHED ANDESITIC CRYSTAL TUFF?</u>			VD-2-37	135.20	137.20	2.00	19	0.1	135	3
		- as above except the bleaching is not as intense, although there are locally moderately to intensely bleached areas										
		- weak to moderately magnetic										
		- minor to moderate disseminations to masses to veinlets of f.g. py										
		- numerous syenite fragments										
		- frequent calcite-quartz veins (1mm to 3cm)										
		- not carbonatized										
148.78	165.60	141.80-147.20 - moderately to locally strongly bleached with pyritic calcite-quartz vein swarm such as at 141.90-142.00, 142.50-143.50, 144.20-145.00 145.40-146.70	1-3vol%mt 1-5vol%py		VD-2-38	141.80	143.20	1.40	2	0.3	281	26
					VD-2-39	143.20	145.20	2.00	66	0.3	185	12
					VD-2-40	145.20	147.20	2.00	13	0.2	97	12
					VD-2-41	147.20	148.78	1.58	16	0.1	87	4
		- abundant f.g. disseminated hematite especially in strongly blacked areas										
		- lower contact gradational										
		<u>ANDESITIC CRYSTAL TUFF</u>			VD-2-42	148.78	150.78	2.00	67	0.1	528	4
		- as above but non to only locally weakly bleached										
		- abundant syenite fragments and dykes			VD-2-43	153.78	155.78	2.00	72	0.4	547	12
		- weak to moderate epidote replacing feldspar, hornblendes; epidote can also coat fractures along with f.g. py and quartz			VD-2-44	158.78	160.78	2.00	44	0.1	294	4

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
165.60	185.37	- weak to moderately magnetic	1-3vol%mt									
		- frequent thin wispy calcite-quartz veins										
		162.35-165.60 - fault gouged										
		- from 164.35-165.00 is										
		f-m.g. bright orange-pink syenite										
		dyke										
		- lower contact sharp		VD-2-45	162.35	164.35	2.00	52	0.2	690	2	
		<u>PYRITIC AND HEMATITIC SYENITE</u>										
		- f-m.g. massive bright orange-pink to dark grey-orange syenite	5vol%hm									
		- contains abundant f.g. disseminated hematite	1-4vol%mt									
- non to weak to locally moderately magnetic												
- hematite stain throughout												
- locally can be seen to carry andesitic crystal tuff fragments												
		165.60-170.60 - bright orange-pink syenite			VD-2-46	165.60	167.60	2.00	86	0.3	837	8
		- strongly hematitic (or k-feldspar) alteration			VD-2-47	167.60	170.60	3.00	37	0.5	462	12
		- weakly pyritic and magnetic	1vol%py									
		- from 168.50-169.70 syenite	mt									
		is darker grey-green and contains slightly more py	2-4vol%py									
		- contact abrupt										
		170.60-185.37 - dark grey-green-orange syenite			VD-2-48	170.60	172.60	2.00	6	0.2	127	4
		- weakly magnetic	1vol%mt		VD-2-49	172.60	174.60	2.00	7	0.2	81	7
		- minor to moderate py throughout	1-5vol%		VD-2-50	174.60	176.60	2.00	59	0.2	159	2
		- abundant lcm epidote patches			VD-2-51	176.60	178.60	2.00	36	0.3	65	7
		- frequent wispy calcite-quartz veins (1mm-5mm)			VD-2-52	178.60	180.60	2.00	9	0.1	6	5
		- may get abundant chlorite and sericite on fracture planes possibly			VD-2-53	180.60	182.60	2.00	4	0.1	13	140
					VD-2-54	182.60	184.60	2.00	43	0.3	348	8
					VD-2-55	184.60	185.37	0.77	28	0.2	363	12

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
185.37	192.10	in association with epidote, pyrite calcite-quartz, hematite - occasional calcitic slickensides <u>ANDESITIC CRYSTAL TUFF</u> - as above (dark grey to green-black) - numerous syenite fragments - numerous epidote patches - occasional calcitic slickensides - weak to moderately magnetic - generally less than 3 vol% disseminated and vein py, cp but can get localized concentration of up to 5-10 vol% such as at 189.90-190.35 - minor kaolinite along fracture planes 190.80-191.50 - fault gouge - lower contact abrupt										
			3-5vol%mt		VD-2-56	185.37	187.37	2.00	205	1.7	1502	9
			5-10vol%py		VD-2-57	187.37	188.50	1.13	112	1.1	915	6
					VD-2-58	188.50	190.50	2.00	88	0.6	461	8
					VD-2-59	190.50	192.10	1.60	280	0.6	502	7
192.10	198.85	<u>MESOCRATIC SYENITE</u> - f-m.g. dark grey to grey-green-orange massive syenite - same as 170.60-185.37 - abundant epidote patches - weak to moderate sausseritization of plagioclases - moderately magnetic - abundant wispy calcite-quartz veinlets - epidote hematite and minor chlorite can coat fractures - minor disseminated py - lower contact abrupt										
			1-2vol%py		VD-2-60	192.10	194.10	2.00	52	0.4	330	6
					VD-2-61	194.10	196.10	2.00	46	0.4	204	5
					VD-2-62	196.10	198.85	2.75	153	0.6	537	7
198.85	203.00	<u>ANDESITIC CRYSTAL TUFF</u> - as above			VD-2-63	198.85	200.85	2.00	19	0.2	264	8

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
		- dark grey to green-black-orange - abundant epidote patches - abundant calcite-quartz veinlets - weak to moderately magnetic - minor to moderate py			VD-2-64	200.85	203.00	2.15	102	0.6	870	6		
203.00	204.55	202.75-203.00 - fault gouge <u>PYRITIC AND HEMATITIC SYENITE</u> - as above - bright orange-pink - not magnetic - minor py - minor calcite-quartz veinlets	1-3vol%mt 1-4vol%		VD-2-65	203.00	204.55	1.55	96	0.6	706	20		
		203.10-203.75 - fault gouge 203.75-204.00 - strongly brecciated and cemented by quartz	1vol%py											
204.55	212.60	- lower contact sharp <u>ANDESITIC CRYSTAL TUFF</u> - as above	1-2vol%py											
		204.55-204.75 - fault gouge	1-2vol%mt 1-3vol%py		VD-2-66	204.55	206.55	2.00	71	0.6	575	17		
		204.95-205.30 - fault gouge			VD-2-67	206.55	209.50	2.95	48	0.4	470	41		
		209.20-209.50 - fault gouge												
		209.50-210.40 - f-m.g. bright orange-pink syenite			VD-2-68	209.50	210.40	0.90	63	0.4	429	13		
		- abundant milky white quartz veining throughout (1 mm - 3 cm)	1-2vol%py		VD-2-69	210.40	212.60	2.20	106	0.1	445	70		



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PROPERTY VEGA		GRID COORDINATE	STARTED	DIP AND BEARING TEST								
HOLE No.			FINISHED	Meterage	Dip	Bearing	Meterage	Dip	Bearing			
BEARING		ELEVATION	LENGTH									
DIP COLLAR		SECTION	LOGGED BY									
METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
0.00	6.56	Overburden										
6.56	20.90	<u>ANDESITE BRECCIA - FAULT ZONE</u>										
		- section consists of angular to sub-rounded fragments of f-m.g. massive orange-pink syenite (dominant fragment) and f.g. dark green to light green andesite to trachyte in a medium to dark green andesitic to trachytic matrix										
		- fragments are highly variable in size 1mm to greater than 3cm										
		6.56-7.93 - intense hematite alteration			VD-3-1	6.56	7.93	1.37	1	0.1	165	13
		- in same location the alteration is so intense the rock is very fryable										
		- not magnetic										
		7.93-15.00 - section is weak to moderately hematitic			VD-3-2	7.93	9.93	2.00	51	0.1	11	11
		- locally strongly kaolinitic over 10cm sections			VD-3-3	9.93	11.93	2.99	24	0.1	9	8
		- weakly kaolinitic throughout			VD-3-4	11.93	13.93	2.00	14	0.1	29	10
		- locally bleached and silicified			VD-3-5	13.93	15.93	2.00	6	0.2	47	20
		- strongly sericitized and argillic throughout										
		- minor disseminated py										
		- rare py-bearing quartz veins (1mm to 1cm)	1vol%py	1vol%py								
		15.00-15.30 - fault gouge			VD-3-6	15.93	17.93	2.00	2	0.1	25	11
					VD-3-7	17.93	20.90	2.97	1	0.4	604	58
		17.80-18.80 - fault gouge										



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
27.85	47.00	<u>ANDESITIC CRYSTAL TUFF</u> - as above - weakly magnetic - numerous haphazard and calcite veinlets throughout - weak kaolinite alteration along fracture planes - rare quartz veins 27.85-31.50 - sections contains numerous angular to sub-rounded dark-grey orange syenite fragments - strong yellow-orange limonite stain along fracture planes from 30.70-31.00 32.90-33.40 - fault gouge - locally minor to moderate disseminated py - occasionally get hematite coating calcite veins and fracture planes - locally get weak epidote alteration 35.80-36.59 - fault gouge - pyroxenes and hornblende completely altered to clay minerals 41.46-44.51 - minor to moderate disseminated py coating fracture planes along epidote 44.80-46.50 - fault gouge - complete alteration of pyroxenes and hornblendes to clay minerals - very fryable	1vol%py									
					VD-3-11	29.50	31.50	2.00	810	0.1	29	15
					VD-3-12	31.50	33.50	2.00	11	0.2	97	4
			1-4vol%py									
					VD-3-13	35.52	37.52	2.00	2	0.3	112	2
					VD-3-14	39.02	41.02	2.00	1	0.3	32	6
			1-5vol%py		VD-3-15	42.51	44.51	2.00	1	0.4	28	4
			1vol%py		VD-3-16	44.80	46.50	1.70	1	0.2	59	3

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
47.00	49.20	<u>SYENITE</u> - as above - weak hematite alteration - moderate to strong epidote alteration throughout (feldspar to locally altered to either epidote or clay minerals) - minor disseminated py - frequent 2-3mm calcite veins - locally weak to moderately magnetic	2vol%py 2-3vol%mt		VD-3-17	47.00	49.20	2.20	2	0.1	50	6		
49.20	76.60	<u>ANDESITIC CRYSTAL TUFF</u> - as above - numerous dark grey orange syenite fragments throughout section - moderately magnetic - epidote is altering (replacing) the plagioclases and coats fracture planes - hematite when seen is coating calcite-quartz veins and fracture planes - frequent 2mm calcite quartz veins but not in great abundance 53.00-53.96 - f-m.g. bright orange-pink syenite - contains abundant f.g. py and minor cp - not magnetic or hematitic - contains 2 generations of quartz veining; both carry minor py; one is white in color and the other clear to milky white; the latter cuts the former - section is locally brecciated with abundant py and chlorite	3vol%mt 3vol%py 5-7vol%py, cp		VD-3-18	49.20	51.20	2.00	1	0.4	130	5		
					VD-3-19	53.00	53.96	0.96	113	0.5	11	20		
					VD-3-20	53.96	55.75	1.79	12	0.2	98	2		

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
		55.75-57.01 - f-m.g. bright orange-pink syenite - similiar to 53.00-53.96	5vol%py		VD-3-21	55.75	57.01	1.26	31	0.5	280	4
					VD-3-22	57.01	58.20	1.19	7	0.2	129	4
		58.20-59.20 - f-m.g. bright orange-pink syenite - similiar to 53.00- 53.96 - brecciated near contacts with andesite - minor lcm quartz veining	3vol%py		VD-3-23	58.20	59.20	1.00	1	0.3	132	3
					VD-3-24	59.20	61.40	2.20	8	0.5	233	4
		66.40-63.26 - f-m.g. bright orange-pink syenite - all plagioclases altered to clay minerals	3vol%py		VD-3-25	61.40	63.26	1.86	1	0.2	111	5
					VD-3-26	63.26	65.00	1.74	1	0.4	272	5
		65.00-66.00 - f-m.g. bright orange-pink syenite			VD-3-27	65.00	66.00	1.00	1	0.4	249	2
		66.95-67.75 - f-m.g. dark grey-orange syenite - more mafic minerals present resulting in darker color - strong epidote alteration	3vol%py									
		71.20-72.35 - f-m.g. bright orange-pink to dark grey-orange syenite - weakly altered - not magnetic	5vol%py		VD-3-28	69.20	71.20	2.00	5	0.2	48	5
					VD-3-29	71.20	72.35	1.15	30	0.3	75	4
					VD-3-30	74.60	76.60	2.00	2	0.1	13	3
		- lower contact sharp										
76.60	112.30	<u>PYRITE-MAGNETITE-BEARING SYENITE</u>			VD-3-31	76.60	78.60	2.00	8	0.1	56	9
					VD-3-32	78.60	80.60	2.00	159	0.3	74	27



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To					From	To	Length	Au (ppb)	Ag (ppm)	Cu (ppm)	As (ppm)
		110.80-112.30 - moderately to strongly silicified - strongly hematitic - lower contact sharp	5-10vol%		VD-3-48	110.60	112.30	1.70	52	0.1	183	7
112.30	177.43	<u>HEMATITE - PYRITE FELDSPAR PORPHYRY?</u> - f.g. light to medium grey-green massive feldspar porphyry (bleached?) - unit consists of numerous euhedral whitish plagioclase? in a light grey-green felsic to intermediate matrix - there is moderate to abundant amounts of f.g. disseminated and masses of py with minor cp and bn - there is also minor to moderate amounts of f.g. disseminated hematite throughout the section - most of the section has a pervasive weak to locally moderate hematitic stain - not silicified; easily scratched with knife - much of the section has a combination of these minerals forming along its fracture planes: kaolinite hematite, chlorite - frequent thin (1-3mm) white quartz veins throughout section - not magnetic	3-10vol% py,cp,bn		VD-3-49	112.30	114.30	2.00	44	0.2	107	4
			5vol%hm		VD-3-50	116.00	118.00	2.00	62	0.6	399	12
		119.40-120.00 - missing core			VD-3-51	120.00	121.40	1.40	54	0.6	895	52
		121.40-122.20 - missing core			VD-3-52	123.40	125.30	1.90	68	0.3	266	35
		125.30-126.52 - missing core	1-2vol% PY		VD-3-53	126.52	128.52	2.00	133	0.4	261	67
		127.20-127.60 - py-bearing grey quartz vein swarm			VD-3-54	130.52	132.52	2.00	96	0.1	121	4
		140.20-140.60 - abundant grey-white py-bearing quartz vein swarm	1vol%py		VD-3-55	134.52	136.52	2.00	122	0.5	172	16
					VD-3-56	138.52	140.60	2.08	17	0.4	67	8

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
		- abundant wispy iron stained quartz veinlets throughout section - moderate chlorite ? alteration (darker green flacky mineral)												
		186.20-187.20 - bleached ? pale green syenite or feldspar porphyry xenolith?			VD-3-69	186.20	187.20	1.00	17	0.1	29	7		
		188.42-188.80 - py-bearing iron stained dark grey (border) and milky white quartz vein swarm; grey quartz appears to be border phase and clear to milk white quartz inner phase - banded (multiphase) texture evident	2vol%py		VD-3-70	187.20	189.20	2.00	14	0.1	59	5		
		191.83-192.80 - f-m.g. dark green-black massive andesitic crystal to lithic tuff - fragments are angular to sub-rounded and consist of syenite and monzondiorite? (more intermediate) - contacts sharp and irregular - weak to moderately magnetic - minor disseminated py on fracture planes	2-3vol%mt 1vol%py		VD-3-71	189.20	191.83	2.63	8	0.2	25	6		
		192.80-195.55 - dominantly syenite with numerous angular to sub-rounded fragments of andesite crystal lithic tuff - weakly magnetic - minor disseminated py - no veining	1vol%mt 1-2vol%py		VD-3-72	191.83	192.80	0.97	11	0.2	15	3		
		195.55-200.00 -f-m.g. andesitic crystal to lithic tuff with abundant fragments of syenite - as above - occasional 2-3mm white quartz veining - moderately magnetic - minor py	2-3vol%mt 1-2vol%py		VD-3-73	192.80	195.55	2.75	4	0.2	21	11		
					VD-3-74	195.55	197.55	2.00	27	0.2	12	12		



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
		200.00-206.90 - f-m.g. syenite with abundant andesite crystal to lithic tuff fragments - as above - andesitic crystall tuff xenolith from 203.66-204.00	2-3vol%py		VD-3-75	200.00	202.00	2.00	5	0.2	15	13
					VD-3-76	204.90	206.90	2.00	22	0.1	19	11
		206.90-208.50 - andesitic crystal tuff with abundant fragments and dyke of syenite - as above	1vol%mt 1vol%py									
		208.05-210.45 - f-m.g. bright orange-pink syenite with abundant andesitic crystal tuff, massive andesite fragments - as above - lower contact sharp	2-5vol%py		VD-3-77	208.05	210.45	2.40	117	0.1	16	9
210.45	214.50	<u>ANDESITE CRYSTAL TUFF</u> - as above but with numerous variably sized fragments of syenite and syenite dyking - moderately magnetic - minor to moderate py throughout	2-4vol%mt 2-4vol%py		VD-3-78	210.45	212.45	2.00	34	0.3	44	6
		210.95-211.60 - fault gouge										
214.50	228.20	<u>ALTERNATING SYENITE AND ANDESITE CRYSTAL TUFF</u> - continuously alternating sequence of syenite and andesite crystal tuff - difficult to determine difference between dykes and fragments - minor quartz veining - lower contact vague	2-3vol%py 1-2vol%mt		VD-3-79 VD-3-80 VD-3-81 VD-3-82	214.50 218.50 222.20 226.20	216.50 220.50 224.20 228.20	2.00 2.00 2.00 2.00	31 48 129 29	0.4 0.2 0.2 0.3	160 69 182 84	4 7 17 15



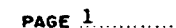
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HOLE NoVD-3.

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PROPERTY		GRID COORDINATE	STARTED		DIP AND BEARING TEST							
HOLE No.			FINISHED		Meterage	Dip	Bearing	Meterage	Dip	Bearing		
BEARING		ELEVATION	LENGTH									
DIP COLLAR		SECTION	LOGGED BY									
METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)	(ppm)	ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
0.00	20.73	Overburden - mixture of andesitic crystal tuff syenite, diorite and monzonite										
20.73	47.80	<u>ANDESITIC CRYSTAL TUFF</u>			Q9001	20.73	22.73	2.00	25	0.4	284	6
		- f-m.g. massive dark green-black to green-grey andesitic crystal tuff			Q9002	24.73	26.73	2.00	22	0.2	120	5
		- unit consists of sausseritized and hematitized sub-euhedral to euhedral plagioclase, unaltered euhedral hornblende in a f-m.g. mafic to intermediate groundmass			Q9003	28.73	30.73	2.00	17	0.2	97	6
		- moderately magnetic			Q9004	32.73	34.73	2.00	42	0.1	30	6
		- minor to locally moderate f.g. disseminated py			Q9005	36.73	38.73	2.00	12	0.3	24	6
		- frequent lmm calcite-quartz veins throughout section which may have moderate associated epidote and py										
		- numerous fault gouges throughout section										
		20.73-21.10,21.40-21.60,21.90-22.30 - fault gouge										
		24.40-32.40 - abundant fault gouge with missing core										
		40.70-47.80 - are now getting numerous f-m.g. dark green-grey-pink syenite fragments			Q9006	40.70	42.70	2.00	1	0.1	27	5
					Q9007	44.70	46.70	2.00	14	0.2	173	2
					Q9008	46.70	47.80	1.10	54	0.3	340	3
		- lower contact crushed										
47.80	58.50	<u>HEMATITE SYENITE</u>			Q9009	47.80	49.30	1.50	81	0.5	547	2
		- f-m.g. bright orange-pink to green-pink massive syenite			Q9010	49.30	50.85	1.55	63	0.7	482	19



PROPERTY VEGA

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS												
From	To					From	To	Length	Au (ppb)	Ag (ppm)	Cu (ppm)	As (ppm)									
58.50	68.40	- contains numerous andesite crystal tuff fragments	1-4vol%mt 5-vol%hm																		
		- moderately magnetic																			
		- contains abundant f.g. disseminated hematite																			
		- weak to moderate epidote alteration of plaioclases; epidote will also coat fracture planes																			
		- weakly carbonatized																			
		49.70-50.30 - missing core																			
		50.85-52.44 - andesitic crystal tuff with abundant syenite fragments												Q9011	50.85	52.44	1.59	43	0.6	216	20
		- locally brecciated and cemented with calcite-quartz																			
		- weakly bleached																			
		53.90-55.00 - fault gouge																			
		- andesitic crystal tuff? form 54.55-55.00																			
		- moderate to abundant kaolinite throughout section																			
- occassional 1mm to 2cm quartz veins	2vol%py	Q9012 Q9013 Q9014 Q9015 Q9016 Q9017	54.50 56.50 58.50 60.50 64.40 66.40	56.50 58.50 60.50 62.50 66.40 68.40	2.00 2.00 2.00 2.00 2.00 2.00	38 51 94 550 190 245	0.4 0.5 0.9 1.7 0.7 1.0	382 436 798 1589 816 983	2 2 3 5 3 2												
- minor disseminated py	1-3vol%py																				
- lower contact sharp																					
ANDESITIC CRYSTAL TUFF																					
- as above																					
- abundant syenite fragments and dykes																					
- difficult to determine fragments from dykes																					
- get several 10-20cm sections of syenite (dyke)																					
59.70-59.40 - fault gouge																					
60.25-60.85 - fault gouge																					
65.00-68.40 - very crumbly fractured rock																					
- lower contact crushed																					

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
68.40	72.26	<u>HEMATITE SYENITE</u> - f-m.g. massive bright orange-pink to grey-pink syenite - as above - contains abundant andesite crystal tuff fragments - frequent to abundant 1-3mm calcite-quartz veins - the quartz veins are milky white - lower contact brecciated	1-4vol%mt 1-2vol%py 2vol%hm 1vol%py		Q9018 Q9019	68.40 70.40	70.40 72.26	2.00 1.86	82 230	0.5 0.6	620 547	7 12		
72.26	74.40	<u>ANDESITIC CRYSTAL TUFF</u> - as above - abundant syenite fragments 72.55-73.60 - milky white quartz vein swarm - quartz is cementing brecciated andesite fragments - minor kaolinite along fractures - weak hematitic and sausseritization - lower contact sharp	1-2vol%py		Q9020	72.26	74.40	2.14	98	0.5	433	8		
74.40	81.40	<u>HEMATITE SYENITE</u> - f.-m.g. massive bright orange-pink to grey-pink syenite - as above - contains few andesite crystal tuff fragments - non to locally weakly magnetic - abundant f.g. disseminated hematite - abundant 1-3mm calcite-quartz veinlets - plagioclases are moderately sausseritized - minor disseminated py - frequently get hematite stain on fracture planes in association with calcite-quartz, minor epidote 74.90-76.30 - fault gouge 78.50-79.00 - fault gouge	1-2vol%mt 2-4vol%hm 1vol%py		Q9021 Q9022	74.40 76.40	76.40 78.40	2.00 2.00	60 13	0.5 0.4	426 219	7 3		



PROPERTY VEGA

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
81.40	84.15	79.88-81.40 - cost core (tube did not lock)			Q9023	78.40	79.88	1.48	195	0.7	615	12		
		<u>BLEACHED SYENITE</u>			Q9024	81.40	82.75	1.35	225	0.7	754	63		
				Q9025	82.75	84.15	1.40	7	0.5	183	65			
		- f-m.g. massive light grey to to grey-red-brown (rusty) bleached syenite												
		- can still see some euhedral plagioclase laths in areas where the texture has not been obliterated												
		- weakly silicified												
		- weakly pyritized												
		- not magnetic												
		- f.g. disseminated hematite still present												
		- numerous lmm grey quartz veins with abundant f.g. py												
		- not sheared												
		- lower contact sharp?												
84.15	111.20	<u>HEMATITE SYENITE</u>												
		- f-m.g. bright orange-pink to dark grey-orange syenite												
		- as above												
		- frequent to locally abundant lmm to lcm py-bearing quartz and massive py veining												
		- weak sausseritization of plagioclases												
		- weak to moderately magnetic												
		- moderate to abundant hematite throughout												
		- weakly pyritized												
		84.15-88.00 - bright orange-pink syentie			Q9026	84.15	86.15	2.00	14	0.1	52	13		
		- lower contact gradational			Q9027	86.15	88.00	1.85	18	0.2	124	23		
		- abundant l-3mm py veins												
		88.00-90.00 - dark grey-orange-pink syenite			Q9028	88.00	90.00	2.00	24	0.3	125	17		
		- much higher percentage			Q9029	90.00	92.00	2.00	64	0.3	189	10		
		of hornblende resulting in darker color			Q9030	92.00	94.00	2.00	61	0.3	101	13		
		- not carbonatized												



PROPERTY VEGA

HOLE NoVD-4

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ppb)		(ppm)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)		
		126.50-127.30 - strong to intense sausseritization of hornblendes - calcite-quartz vein swarm from 126.80-127.00	4vol%py			126.50	129.10	2.60						
		- minor disseminated and fracture filling py and less so cp	1-2vol%py, cp											
129.10	144.30	<u>ANDESITIC CRYSTAL TO LITHIC TUFF</u>												
		- f.g. massive dark green-black andesitic crystal to lithic tuff												
		- similiar to andesitic crystal tuff except there are numerous fragments of mafic to intermediate volcanic composition in addition to syentic fragments (there are more non-syenitic fragments than syenite fragments)												
		- weakly chlortitic throughout												
		- moderately magnetic												
		- there are periodic syenite dykes (10-20cm)												
		- periodic 1-3mm calcite quartz veinlets												
		- minor disseminated and fracture filling py	1vol%											
		129.10-131.75 - andesitic crystal to lithic tuff with abundant syenite, monzonitic and dioritic fragments	2-3vol%py			129.10	131.75	2.65						
		- moderately carbonatized				131.75	133.75	2.00						
		- weakly hematitic												
		- poor quartz vein swarm												
		- majority of section not carbonatized												
		- most of section is moderately fractured; the fractures are cemented by calcite-quartz and abundant py and minor cp in certain sections the sulphide content may reach 5-8 vol%				133.75	135.20	1.45						
		135.20-137.00 - moderately fractured with calcite-quartz and py-cp infilling	5-8vol%py cp			135.20	137.00	2.20						

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
144.30	149.60	139.35-139.70 - moderately fractured with calcite-quartz and cp-cp in filling	4-5vol% py, cp			137.00	139.00	2.00					
		142.15-142.30 - f-m.g. dark grey syenite dyke	2vol% py cp			139.00	141.00	2.00					
		142.50-142.75 - f-m.g. dark grey syenite dyke	2vol% py cp			142.75	144.30	1.55					
		- lower contact sharp				144.30	146.30	2.00					
		<u>SYENITE</u>											
149.60	190.15	- f.g. dark grey-orange-pink massive syenite	4vol% mt										
		- as above	1vol% py										
		- moderately magnetic											
		- minor py											
		147.00-147.41 - fault gouge - crushed rock											
		148.45-148.78 - fault gouge				147.60	149.60	2.00					
		149.10-149.60 - fault gouge											
		- lower contact crushed											
		<u>ANDESITIC CRYSTAL TO LITHIC TUFF</u>				149.60	152.50	2.90					
		- as above but grey-brown (silicified)	4vol% mt										
		- moderately magnetic	1vol% py										
		- minor disseminated and fracture filling py, cp											
		- abundant chlorite coating fracture planes	cp										
		152.50-153.10 - moderately fractured with moderate calcite-quartz and py infilling	2-4vol% py			152.50	154.50	2.00					
						156.50	158.60	2.10					



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
		- good euhedral hornblende crystals in f.g. mafic groundmass - section is moderately to strongly silicified - weakly chlorite throughout - moderate to abundant f.g. disseminated py and minor cp throughout - minor lmm quartz veining - not carbonatized - lower contact sharp?	5-8vol%py cp			190.15 192.15	192.15 194.15	2.00 2.30					
194.15	198.50	<u>SYENITE</u> - f-m.g. dark grey-orange syenite - as above - moderately magnetic - weakly chloritic - minor quartz veining - lower contact sharp	4vol%mt 1vol%py			194.15	196.15	2.00					
198.50	214.20	<u>ANDESITIC CRYSTAL TO LITHIC TUFF</u> - as above 199.30-200.30 - fault gouge 200.40-201.40 - missing core - weakly to moderately silicified - weakly chloritic 206.40-207.25 - andesite-quartz vein breccia - several andesite fragments in milky white quartz - minor disseminated py - not banded	4-5vol% mt 1vol%py 1vol%py			206.40	208.40	2.00					



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
214.20	219.50	210.90-211.40 - f.g. grey-orange syenite											
		211.60-212.05 - fault gouge											
		- non to weakly silicified towards bottom of section				212.20	214.20	2.00					
		<u>SYENITE</u>											
		- f-m.g. massive bright orange-pink to dark grey orange syenite											
219.50	227.10	214.55-221.15 - again this box is mixed up due to a porcupine - box consists of alternating syenite dyking in andesite crystal to lithic tuff											
		214.20-215.15 - intensely silicified syenite breccia? with moderate quartz veining	1-2vol%py			214.20	215.15	0.95					
		217.50-219.50 - mixed syenite and andesite minor to moderate quartz veining with syenite	1vol%py			217.50	219.50	2.00					
		<u>ANDESITIC CRYSTAL TUFF</u>											
		- as above - less intermediate to mafic and syenite fragments - minor 1-2mm calcite-quartz veining - moderately magnetic - minor py - lower contact sharp	2-3vol%mt 1vol%py			221.95	223.95	2.00					
227.10	244.51	<u>BLEACHED SYENITE</u> - f-m.g. bright orange-pink massive silicified and bleached syenite				227.10	229.10	2.00					

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
244.51		- strongly to locally intensely silicified - strongly bleached (due to silica injection) - minor disseminated to fracture filling py - locally brecciated and cemented with quartz - good 1-3cm quartz veining and swarms throughout section - some veins are dark grey due to abundant v.f.g. sulphide (py)	1-2vol%py 1vol%py										
		228.60-244.50 - this section comprises two boxes and both have been slightly mixed up by a porcupine											
		230.90-231.60 - f.g. dark green-black andesitic crystal tuff			229.10	230.90	1.80						
					230.90	231.60	0.70						
		232.30-233.60 - f.g. dark green-black andesitic crystal tuff			231.60	232.30	0.70						
		(core sample measurements are not accurate due to mixing)			232.30	233.60	1.30						
					233.60	235.60	2.00						
					235.60	237.60	2.00						
					237.60	239.60	2.00						
					239.60	241.60	2.00						
		E.O.H.			241.60	244.51	2.91						

PROPERTY		VEGA	GRID COORDINATE	STARTED		DIP AND BEARING TEST									
						Meterage	Dip	Bearing	Meterage	Dip	Bearing				
HOLE No.		VD-5		FINISHED											
BEARING			ELEVATION	LENGTH											
DIP COLLAR			SECTION	LOGGED BY											
METERAGE		DESCRIPTION				% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To								From	To	Length	Au	Ag		
0.00	14.63	Overburden													
14.63	39.02	<u>MESOCRATIC HEMATITE-HORNBLLENDE SYENITE</u> - f-m.g. massive dark grey-orange pink syenite - numerous 2mm-4mm hornblende phenocrysts in f.g. syenite groundmass - moderately magnetic throughout - minor disseminated py and less so cp - frequent 1-3mm calcite-quartz veinlets - moderate epidote alteration of the hornblendes - moderate f.g. disseminated hm 14.63-23.40 - numerous fault gouges - section is mixed up - lower contact sharp?				4-5vol%mt 1-2vol%py cp 4vol%hm			23.00	25.00	2.00				
									29.73	31.73	2.00				
									37.02	39.02	2.00				
39.02	68.60	<u>ANDESITIC CRYSTAL TUFF</u> - f.g. dark grey-green-black massive andesitic crystal tuff - weakly silicified - moderately magnetic throughout slightly more magnetic than syenite - minor disseminated py - minor epidote and hematite - minor calcite-quartz veining numerous syenite fragments				5-6vol%py 1vol%py			39.02	41.02	2.00				

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
68.60	103.85	41.30-45.40 - fault gouge	1-4volX			41.30	43.30	2.00					
		50.61-52.10 - fault gouge				50.00	52.00	2.00					
		54.90-55.30 - fault gouge											
		56.00-56.40 - fault gouge											
		57.50-61.50 - fault gouge				57.50	59.50	2.00					
		- minor calcite-quartz veining				59.50	61.50	2.00					
						66.60	68.60	2.00					
		- lower contact sharp											
		LEUCOCRATIC HEMATITE-HORNBLLENDE SYENITE											
		- f-m.g. - massive bright orange-pink hematite syenite											
		- contains abundant f.g. disseminated hematite throughout most of unit											
		- non to poorly magnetic											
		- minor to locally moderate disseminated and fracture filled py and minor cp											
		68.60-74.70 - weakly bleached and kaolinitic	1-2volXpy			72.70	74.70	2.00					
		74.70-80.05 - continuously alternating section of weak to strongly bleached hematite syenite and f.g. dark-green-black sausseritized hornblende andesite crystal to lithic tuff				74.70	76.60	2.00					
		- the syenite has numerous 1mm to 1cm multiphase (banded) vuggy quartz veining				76.70	78.70	2.00					
		syenite-andesite sections are 10-40cm in length				78.70	80.70	2.00					



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HOLE No. VP-5

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PROPERTY VEGA

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PROPERTY		VEGA	GRID COORDINATE	STARTED	DIP AND BEARING TEST						
HOLE No.				FINISHED	Meterage	Dip	Bearing	Meterage	Dip	Bearing	
BEARING			ELEVATION	LENGTH							
DIP COLLAR			SECTION	LOGGED BY							
METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS		
From	To					From	To	Length	Au	Ag	
0.00	3.66	Overburden									
3.66	59.00	ANDESITE CRYSTAL TUFF				5.62	7.62	2.00			
		- f.g. massive dark green-black andesite crystal tuff				12.04	14.04	2.00			
		- not carbonatized									
		- weak to moderately magnetic									
		- weakly pyritic									
		- weak to moderate sausseritization of feldspars and hornblendes									
		- frequent 1mm-3mm to 1-2cm white calcite quartz veins may get some brecciation in areas of thicker veining									
		- periodically contain 10-20cm dykes of mesocratic hematite-hornblende syenite									
		- in areas of more abundant and/or thicker veining may get moderate to abundant hematite and limonite? stain									
		- 18.50-19.20 - fault gouge				17.50	19.50	2.00			
		26.65-38.40 - mostly fault gouged material although there are some 1m sections with good core recovery(100%)				24.83	26.83	2.00			
		- getting dark red-brown hematite coating fracture planes				31.10	33.10	2.00			
		- becoming gradually less magnetic down section				38.55	40.55	2.00			



PROPERTY VEGA

HOLE No. VR-6.....

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
62.80	121.55	- hornblende phenocrysts are up to 3-4mm (rounded) in diameter to 1mm x 4mm (euhedral) - moderately magnetic - minor disseminated py - weak sausseritization of hornblendes - frequent 1mm-2mm calcite-quartz veining throughout section <u>BLEACHED AND SILICIFIED ANDESITE CRYSTAL TUFF</u> - f.g. massive medium to dark tan green bleached and generally moderate to silicified andesite crystal tuff - as above but weakly bleached due to silicification-strongly silicified but get occasional intervals (1-2m) which are not to weakly silicified - locally there is abundant rounded to euhedral hornblende (up to 2mm x 4mm) - most of section is well mineralized with generally 4 vol% locally 10 vol% disseminated py and minor cp - section is generally not magnetic but there are areas which are weakly magnetic - there are a few intervals (less than 1m) of syenite dykes and mixed syenite-andesite crystal tuff - calcite-quartz veining occurs infrequently near the top half of the unit and increases in abundance towards the bottom 66.00-68.10 - non to weakly silicified 79.00-80.40 - minor syenitic dyking in zone of stronger bleaching 82.70-83.60 - f.g. medium grey green andesitic lithic tuff debris flow? - contains numerous rounded to angular fragments of felsic to mafic volcanic composition in a f.g. silicified mafic groundmass	3-4vol%mt 1vol%py			62.80	64.80	2.00					
			4-10vol% py, cp 0-1vol%mt			67.51	69.51	2.00					
						73.61	75.61	2.00					
						79.00	81.00	2.00					



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VEGA

HOLE No. VD-6

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To					From	To	Length	(ppb) Au	(ppm) Ag	Cu (ppm)	As (ppm)
		- lighter grey (more bleached?) than other sections										
		83.60-84.05 - f-m.g. massive leucocratic bright orange pink hornblende syenite dykes - strongly silicified - moderate disseminated to fracture filled py	4vol%py cp			83.60	84.05	0.45				
		- minor 1-3mm multiphase py-cp bearing quartz veining				86.42	88.42	2.00				
		91.00-91.20 - f-m.g. leucocratic hornblende syenite dyke - strongly silicified - moderate f.g. disseminated and fracture filling py and minor cp	3vol% py,cp			91.00	93.00	2.00				
		- minor multiphase white and grey calcite-quartz veining										
		95.40-97.75 - f.g. massive leucocratic bleached and silicified syenite - bright-orange-pink - strongly bleached - moderate to strongly silicified - moderate disseminated and fracture filling py and less so cp	4vol% py,cp		Q9542	95.40	97.75	2.35	14	0.8	60	28
		- all hornblendes are altered to hematite			Q9543	97.75	99.75	2.00	8	0.7	76	20
		- looks like a hematized felsite			Q9544	99.75	102.25	2.50	17	0.7	189	25
		- good multiphase white and grey quartz veining from 95.40- 95.65 and 96.20-96.35 - contact weakly brecciated and assimilated	2vol%py									
		102.25-104.65 - mixture of strongly bleached and silicified andesite crystal to lithic tuff and leucocratic syenite - frequent hornblende phenocrysts with andesite sections - good multiphase calcite quartz veining from 102.30-102.75			Q9545	102.25	104.65	2.45	38	0.8	65	20



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PROPERTY VEGA

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	As (ppm)
		123.80-125.50 - abundant quartz veining in zones of intense bleaching and silicification	1-3vol% py		Q9555	123.80	125.50	1.70	41	0.3	68	85
					Q9556	125.50	127.90	2.40	255	0.7	583	115
		- lower contact gradational										
127.90	138.30	<u>STRONGLY BLEACHED - SILICIFIED SYENITE BRECCIA</u>										
		- f.g. massive leucocratic (bright orange-pink) syenite which has been moderate to locally intensely bleached silicified and brecciated										
		- color is grey-orange-pink to whitish-orange-pink	2-3vol% py, cp									
		- minor f.g. disseminated py and less so cp										
		- the brecciated areas have been brecciated several times and re-cemented with more quartz; you can see multiphase quartz fragments re-cemented by additional quartz										
		- not magnetic										
		- not carbonatized										
		127.90-130.35 - most of section has been brecciated and re-cemented with quartz (grey and white) several times			Q9557	127.90	130.35	2.45	34	0.6	360	158
		- well banded texture in quartz veins										
		- minor disseminated py and cp	1-2vol% py, cp		Q9558	130.35	133.30	2.95	29	0.4	150	83
		133.30-136.28 - strongly brecciated and cemented by v.f.g. dark grey cherty? silica			Q9559	133.30	136.28	2.98	137	0.6	164	102
		- the cherty ? silica contains minor to white and grey quartz veining			Q9560	136.28	138.30	2.02	795	1.7	1365	675
138.30	139.10	Missing core										
139.10	145.43	<u>MESOCRATIC CHERTY? PY-BEARING SYENITE? BRECCIA</u>			Q9562	139.10	141.10	2.00	295	0.7	132	184
					Q9563	141.10	143.10	2.00	51	0.5	115	97



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PROPERTY		GRID COORDINATE	STARTED	DIP AND BEARING TEST									
VEGA			FINISHED	Meterage	Dip	Bearing	Meterage	Dip	Bearing				
HOLE No.		ELEVATION	LENGTH										
VD-7			LOGGED BY										
BEARING		SECTION											
DIP COLLAR													
METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
0.00	9.15	Overburden											
9.15	14.80	<u>STRONGLY BLEACHED SILICIFIED AND OXIDIZED SYENITE</u> - f-m.g. massive light grey-green to red-brown syenite - most of section is intensely oxidized (hematitized?) as it is rusty-red brown (gossan-like) - strongly silicified; silicification may be the cause of bleaching - minor disseminated and fracture - filling py - not magnetic - no hornblendes observed - some core was lost due to grinding 13.11-14.80 - lost core due to tub not locking - lower contact crushed	3vol%py			11.11	13.11	2.00					
14.80	39.79	<u>BLEACHED AND SILICIFIED ANDESITE LITHIC TUFF</u> - f.g. light to medium grey-green massive bleached and silicified andesite lithic tuff - is difficult to determine what composition fragment were due to alteration (syenite, mafic volcanic, granite?) - generally moderate to strongly and locally intensely silicified and bleached; intensity of bleaching and silicification go hand in hand - not magnetic - very minor to locally moderate disseminated py-cp	1-5vol% py, cp			20.27 27.88 34.60	22.77 29.88 36.60	2.00 2.00 2.00					

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To					From	To	Length	Au	Ag		
39.79	63.95	- occasional 1-3mm quartz veining - lower contact gradational? (crushed)										
		STRONG TO INTENSELY BLEACHED AND SILICIFIED ANDESITE LITHIC TUFF										
		- as above but the alteration is more intense										
		- almost complete obliteration of tuffaceous texture and only vague outlines of fragments in the more intensely altered sections										
		- color is pale orange-green										
		- impossible to determine original composition of fragments most of section contains minor to moderate disseminated and fracture-filling py and less so cp	1-7vol% py, cp									
		- not magnetic										
		- minor to locally moderate white and white-grey banded calcite-quartz veining	1-2vol% py									
		40.85-43.80 - section contains several 0.5cm to 1cm white grey banded calcite-quartz veins and abundant 1-2mm white quartz veins				40.85	42.85	2.00				
						42.85	44.85	2.00				
						47.40	49.40	2.00				
		49.40-55.40 - section contains moderate to abundant f.g. disseminated and fracture filling py, cp	3-5vol% py, cp			49.40	51.40	2.00				
		- frequent 1mm to 1cm weakly banded white-grey quartz veins				53.40	55.40	2.00				
						55.40	57.90	2.50				
		55.40-57.90 - weakly bleached	1vol%py									
		- medium to dark grey color										
		- not magnetic										
		- contacts gradational										
		57.90-63.95 - section contains moderate to abundant f.g. disseminated to fracture filling py, cp	3-4vol% py, cp			57.90	59.90	2.00				
		- occasional 1-3mm white quartz veins				61.95	63.95	2.00				



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
63.95	67.20	<u>SILICIFIED HORNBLLENDE ANDESITE LITHIC TUFF</u> - f.g. massive dark green-black silicified andesite lithic tuff - strongly silicified - minor massive andesite flow - not bleached - hornblendes are usually less than 1mm in diameter - not magnetic - minor disseminated py - frequent calcite-quartz veins - weakly chloritic - lower contact sharp	1vol%py 1vol%			65.20	67.20	2.00					
67.20	71.60	<u>STRONG TO INTENSELY BLEACHED AND SILICIFIED ANDESITE LITHIC TUFF</u> - as above 67.70-68.25 - weakly bleached - brecciated? 68.25-69.45 - f.g. intensely, bleached and silicified syenite? - good plutonic texture? - minor 1-3mm grey-white multiphase quartz veining throughout section 70.20-71.20 - weakly bleached - lower contact gradational	2-4vol%py, cp			67.20	69.20	2.00					
71.60	82.65	<u>STRONGLY SILICIFIED F.G. ANDESITE CRYSTAL TUFF</u> - f.g. massive dark green-black andesite crystal tuff (to flow) - minor f.g. disseminated py	1vol%py			69.20	71.60	2.40					



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To					From	To	Length	Au	Ag		
		91.40-92.80 - intensely bleached and silicified - abundant 1mm to 2cm white-grey banded quartz veining				91.40	92.80	1.40				
		100.00-103.05 - intensely bleached and silicified - moderate to abundant f.g. disseminated and fracture filling py(cp) - brecciated grey-white quartz vein from 101.70 to 101.95	5vol% py, cp			95.50 100.00 103.05	97.50 103.05 105.05	2.00 3.05 2.00				
		120.20-121.70 - intense fault gouge - just mush when wet - fragments of brecciated quartz throughout				109.15 116.29	111.1 118.29	2.00 2.00				
		127.80-131.55 - sea-green amphibole? present - minor white-grey banded quartz veins (1mm-2cm) weakly bleached	1-2vol% py			124.39 127.80 129.80	126.39 129.80 131.55	2.00 2.00 1.75				
		131.55-141.30 - moderately to strongly bleached and silicified - strongly chloritic? - minor 1mm-1cm grey-white banded quartz veins - locally weakly kaolinitic - fault gouge from 134.15-136.28 137.00-137.90, 138.40-138.80, 139.33-139.90				132.15 138.70	134.15 140.70	2.00 2.00				
141.30	153.66	- lower contact brecciated and abrupt <u>STRONG TO INTENSELY BLEACHED AND SILICIFIED ANDESITIC LITHIC TUFF</u>				141.30	143.30	2.00				



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VEGA

HOLE No VD-7.

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PROPERTY		VEGA	GRID COORDINATE		STARTED		DIP AND BEARING TEST								
HOLE No.		VD-8			FINISHED		Meterage	Dip	Bearing	Meterage	Dip	Bearing			
BEARING			ELEVATION		LENGTH										
DIP COLLAR			SECTION		LOGGED BY										
METERAGE		DESCRIPTION				% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To								From	To	Length	Au	Ag		
0.00	6.10	Overburden													
6.10	22.30	<u>HORNBLLENDE ANDESITE CRYSTAL TUFF</u>													
		- f.g. massive dark green-grey-black hornblende andesite crystal tuff				2-4vol%mt									
		- numerous euhedral hornblende pheoncrysts in a f.g. mafic groundmass				1-3vol%py									
		- weak to moderately magnetic				py									
		- minor disseminated py and lesser cp													
		- py-hematite-chlorite coating fracture planes													
		- rare to in infrequent calcite-quartz (white) veining													
		7.01-16.16 - numerous fault gouge													
		- weakly silicified and moderately pyritic from 7.45-13.42							9.45	13.42	3.97				
		- numerous fault gouges				3-5vol%py, cp									
		- abundant haphazard													
		1-2mm, calcite-quartz veining													
		- there is poor core recovery in this section													
		- lower contact sharp													
22.30	25.90	<u>PYRITIC-HORNBLLENDE SYENITE</u>							22.30	24.30	2.00				
		- f-m.g. massive bright orange-pink to grey pink pyritic-hornblende syenite							24.30	25.90	1.60				
		- non to weakly magnetic				1vol%mt									
		- abundant f.g. disseminated py and lesser cp				5-10vol%py, cp									

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To					From	To	Length	Au	Ag		
25.90	72.56	- hornblendes are partially sausseritized										
		- rare calcite-quartz veining										
		23.17-23.78 - missing core										
		23.78-25.90 - poor core recovery (70%)										
		- lower contacts sharp										
		<u>ANDESITE LITHIC TUFF</u>										
		- f.g. massive dark green black andesite lithic tuff										
		- unit contains many fragments of variable size (less than 1cm to 5-10cm) and composition in a f.g. mafic groundmass										
		- fragments are dominantly syenite composition but there are some intermediate plutonic fragments										
		- infrequent calcite-quartz veins										
		weak to locally moderately magnetic	1-4vol% mt			32.32	34.32	2.00				
		moderate pyritic (minor cp)	1-4vol%			39.40	41.40	2.00				
		- hornblende phenocrysts are still present but in lesser percentage										
		41.40-45.43 - strongly chloritic	5vol%py cp			41.40	43.40	2.00				
						43.40	45.43	2.03				
						45.43	46.90	1.47				
						46.90	48.30	1.40				
		46.90-48.30 - f.g. massive dark grey pink mesocratic hornblende syenite dyke	3vol%mt 1vol%py									
		- as above but darker colored										
		- contacts sharp										
		- the fragments are getting larger down section suggesting younging direction is toward the top of the hole				53.05	55.05	2.00				
		60.21-64.55 - most of section is fault gouged				60.21	62.21	2.00				
						62.21	64.21	2.00				

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
72.56	103.60	- large fragments of syenite, granite, monziorite are present	1-3vol%py			65.99	68.40	2.41					
		68.40-69.85 - f.g. mesocratic hornblende syenite				68.40	69.85	1.45					
		- dark grey orange pink											
		- as above											
		- not magnetic											
		- lower contact sharp											
		<u>M.G. ANDESITE CRYSTAL TUFF</u>											
		- m.g. massive dark green-black andesite crystal tuff											
		- similiar in composition to the f.g. andesite crystal and lithic tuff but the lapilli size is distinctly larger											
		- rock consists of 1-2mm euhedral to anhedral plagioclase and hornblende crystals in a finer grained mafic groundmass											
		- weak to locally moderately magnetic	1-3vol%mt 2-3vol%										
		- minor to locally moderate disseminated py and lesser cp											
		- there are few fragments and of those present are syenite											
		- feldspars are moderately epidotized (sausseritized)											
		- minor to locally moderate chloritization											
		- infrequent white calcite-quartz veins											
		77.30-78.90 - minor calcite-quartz veining (swarm)				77.30	79.30	2.00					
		94.20-95.10 - fault gouge				85.81	87.81	2.00					
		100.00-100.25 - f.g. leucocratic hornblende syenite dyke				95.10	97.10	2.00					
		- as above											
		- contacts sharp	4vol%mt 1vol%py										
		101.55-102.15 - f.g. leucocratic hornblende syenite dyke											
		- as above	4vol%mt 1vol%py										



PROPERTY VEGA

HOLE No VP-8.....

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PROPERTY VEGA

HOLE NoVD-8

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PROPERTY		VEGA	GRID COORDINATE	STARTED		DIP AND BEARING TEST								
HOLE No.				FINISHED		Meterage	Dip	Bearing	Meterage	Dip	Bearing			
BEARING			ELEVATION	LENGTH										
DIP COLLAR			SECTION	LOGGED BY										
METERAGE		DESCRIPTION			% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To							From	To	Length	Au	Ag		
0.00	11.59	Overburden												
11.59	12.81	Missing core												
12.81	13.60	<u>SILICIFIED ANDESITE LITHIC TUFF</u>												
		- f.g. massive dark green-black silicified andesite lithic tuff												
		- strongly silicified												
		- not carbonatized												
		- numerous haphazard 1-4mm calcite-quartz veins												
		- minor disseminated py, cp												
		- moderately magnetic												
		- abundant fragments of syenitic, andesite and intermediate volcanic												
13.60	16.65	Missing core												
16.65	26.80	<u>SILICIFIED ANDESITE LITHIC TUFF</u>												
		- as above												
		18.90-21.04 - missing core												
		25.40-26.80 - strongly chloritic												
		- fault gouge from 26.20-26.50												
		- lower contact sharp and irregular												
	</													

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
26.80	32.93	<u>EPIDOTIZED HORNBLENDE ANDESITE</u> - f.g. massive dark green-black epidotized hornblende andesite - abundant hornblende phenocrysts in f.g. mafic groundmass - all hornblendes are totally altered to epidote or clay minerals (white) - locally moderately silicified - strongly magnetic - minor disseminated py 32.05-32.93 - strong hematitic alteration, - red-brown color - very fryable -py-bearing calcite-quartz veining from 32.85-32.93 - lower contact sharp	4vol%mt 1-2vol%py										
						28.93	30.93	2.00					
						30.93	32.93	2.00					
32.93	34.65	<u>SILICIFIED ANDESITE LITHIC TUFF</u> - as above - strongly magnetic - minor disseminated py - lower contact altered (hematite) and sharp	4vol%mt 1vol%py										
34.65	58.00	<u>SILICIFIED LEOCOCRATIC SYENITE</u> - f-m.g. massive bright orange-pink silicified syenite - locally strongly silicified - weakly magnetic 34.65-43.30 - strongly silicified with abundant breccia filling medium grey chalcedony quartz veining especially from 38.60-40.00 - locally moderately kaolinitic - quartz is locally vuggy	1-2vol%mt 1-5vol%py										
						34.65	36.65	2.00					
						36.65	38.65	2.00					
						38.65	40.65	2.00					
						40.65	42.65	2.00					
						42.65	44.65	2.00					

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
		43.30-49.40 - non to weakly silicified - rare white-grey banded quartz veining				47.40	49.40	2.00					
		56.00-58.00 - syenite has become dark grey-orange				51.76	53.76	2.00					
58.00	62.30	<u>MESOCRATIC HORNBLENDE SYENITE?</u>				56.00	58.00	2.00					
		- f-m.g. massive dark grey-pink hornblende syenite											
		- abundant euhedral hornblende phenocrysts (1-2mm X 4mm)											
		- in a f.g. intermediate to syenitic (orangy) groundmass				59.45	61.45	2.00					
		- looks similar to the hornblende andesite except for color											
		- weakly magnetic and pyritic	1-2vol%mt										
		- lower contact sharp	1-2vol%py										
62.30	70.10	<u>LEUCOCRATIC HORNBLENDE SYENITE</u>											
		- m.g. massive bright orange-pink to orange-grey hornblende											
		- syenite											
		- generally equigranular				66.40	68.40	2.00					
		- weakly epidotize											
		- locally quartz phenocrysts											
		- moderately silicified	3vol%mt										
		- moderately magnetic											
		- no visible sulphide											
		- occasional rounded (1-3cm) clasts of f.g. andesite											
		- lower contact sharp											
70.10	85.15	<u>HORNBLENDE SYENITE TO TRACHYTE</u>											
		- v.f.g. massive dark grey to locally orange-grey hornblende											
		- syenite to trachyte				72.56	74.56	2.00					
		- abundant euhedral black hornblende phenocrysts (1-2mm x 4mm)				79.71	81.71	2.00					
		- in a v.f.g. syenitic to trachytic groundmass											
		- moderate to strongly magnetic	2-4vol%mt										
		- minor disseminated py, cp	1vol%py										
		- lower contact sharp	cp			83.15	85.15	2.00					



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VEGA

HOLE No. VD-9

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VEGA

HOLE No. VD-10

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PROPERTY VEGA

HOLE No ...VD-10.

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No	METERAGE			ASSAYS					
From	To					From	To	Length	Au	Ag				
104.90	130.80	62.10-68.70 - this box is mixed up due to porcupine eating plywood - all andesite lithic tuff	1vol%py			71.80	73.80	2.00						
		73.80-75.00 - bleached strongly silicified and hematitic - not magnetic - one-third of section is missing				78.66	80.66	2.00						
		84.35-87.48 - bleached strongly silicified and hematitic andesite lithic tuff - not magnetic - syenite dyke? from 84.60-84.76 - minor to locally abundant 1mm-4cm white calcite-quartz veining throughout section - intensely kaolinitic from 86.90-87.48 - sea-green feldspar in abundance	1vol%py				85.48	87.48						2.00
		87.48-88.30 - m-c.g. pink-green granitic dyke - not magnetic - no visible sulphide - minor disseminated hematite or ilmenite - contacts sharp	3vol%hm				93.00	95.00						2.00
		- this unaltered andesite lithic tuff is the source of the magnetic high as it has been consistently moderately magnetic down section				100.00	102.00	2.00						
		<u>STRONG TO INTENSLEY BLEACHED AND SILICIFIED ANDESITE LITHIC TUFF</u>												
		- as above but the bleaching and silicification is consistent throughout the section and more intense (light to medium grey color) - weak to moderately kaolinitic throughout												

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
		- weak to locally moderately hematitic (oxidized-red-brown) - not magnetic - may be some syenite dyking but is difficult to determine due to alteration - frequent to locally numerous 1mm to 4cm white to light grey banded calcite quartz veins throughout section (may contain minor py, cp, bn) - strong to locally intensely bleached and silicified - minor to no visible sulphide	1vol% py, (cp, bn)										
		109.15-110.00 - missing core											
		- sea-green feldspar is frequently observed - most of section may be argillic (gritty feel)											
		117.60-119.50 - non to very weakly bleached and silicified											
		- weakly epidotized - no visible sulphide											
		121.70-122.30 - abundant vuggy quartz andesite lithic tuff breccia	1-2vol% py										
		124.09-124.65 - missing core											
		130.34-130.80 - fault gouge											
130.80	154.88	ANDESITE LITHIC TUFF											
		- as above - unit is non to weakly (to locally intensely) bleached, silicified and kaolinitic - sea-green feldspar observed frequently - similar to above unit but less altered - locally brecciated and healed by white quartz - less altered section are weak to moderately magnetic	1-4vol%										
						111.60	113.60	2.00					
						115.60	117.60	2.00					
						119.50	121.50	2.00					
						121.50	123.50	2.00					
						127.13	129.13	2.00					
						132.62	134.62	2.00					
						134.62	136.62	2.00					
						140.68	142.68	2.00					



PROPERTY VEGA

HOLE No ..V-10..

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PROPERTY		GRID COORDINATE	STARTED		DIP AND BEARING TEST								
VEGA					Meterage	Dip	Bearing	Meterage	Dip	Bearing			
HOLE No. VD-11		ELEVATION	FINISHED										
BEARING			LENGTH										
DIP COLLAR		SECTION	LOGGED BY										
METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
0.00	19.36	Overburden											
19.36	20.80	<u>ANDESITIC CRYSTAL TUFF</u> - f.g. dark green-black massive andesite crystal tuff - weak to moderately magnetic - minor disseminated py - abundant syenite fragments - possibly 5cm syenite dykes - rare calcite-quartz veins - lower contact sharp	1-5vol%mt 1vol%py 1vol%py			19.36	20.80	1.44					
20.80	28.55	<u>MESOCRATIC SYENITE</u> - f-m.g. hornblende hematite massive dark grye-orange pink -mesocratic syenite - abundant f.g. disseminated hm - weak to moderately magnetic - minor to locally moderate py, cp 20.80-25.31 - fault gouged 26.82-28.55 - occassional syenite-quartz - breccia vein swarms - swarms are 5-10cm in width - weak to moderately kaolinitic - weak epidote and hematite - lower contact sharp	4vol%hm 1-3vol%mt 1-3vol%py cp 3-4vol%py, cp			20.80	22.80	2.00					
28.55	52.10	<u>ANDESITE CRYSTAL TO LITHIC TUFF</u> - f-m.g. massive dark green black to dark grey andesite crystal to lithic tuff				26.55	28.55	2.00					



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.VEGA

HOLE NoVDπ1

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
		- numerous fragments of syenite (dominant) and f.g. andesite, f.g. trachyte? - moderately magnetic - minor disseminated py - moder to strong chlorite mainly along fracture planes - periodic 10-20cm bright-orange-pink to dary grey pink syenite dykes 28.55-32.93 - section is strongly brecciated with abundant calcite-quartz acting as cement - strongly chloritic and weakly epidotized 32.93-33.40 - shaley andesite flow? 33.40-35.30 - missing core 36.80-38.30 - f-m.g. bright-orange-pink massive hematite hornblende syenite - weakly brecciated - strongly chloritic - weakly epidotized and kaolinitic - non to weakly magnetic - minor to moderate disseminated hm - minor py - occasional slickensides - lower contact sharp 50.15-50.25 - f.g. bright-orange-pink hematite hornblende syenite 51.75-51.95 - f.g. bright-orange-pink hematite hornblende syenite - minor calcite-quartz veining throughout section - lower contact sharp	4vol%mt 1vol%										
						28.55 30.55	30.55 32.93	2.00 2.38					
						36.80	38.30	1.50					
			1-2vol%mt 2vol%hm 1vol%py										
						42.06	44.06	2.00					
						48.10 50.10	50.10 52.10	2.00 2.00					



PROPERTY VEGA HOLE No VD-1 PAGE 4

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
		- more rock fragments than crystal fragments now - weak to locally strongly bleached and silicified - weak to moderately magnetic - minor to locally moderate disseminated and fracture filling py, cp - abundant cp-py-bearing quartz vein swarms and individual veining	1-4vol%mt										
		67.25-71.34 - section contains numerous 1mm to 2-3cm milky white to dark grey quartz veins (swarm)	1-5vol%py, cp										
		- strongly silicified and bleached - weakly brecciated - milky white veins are most abundant - there appears to have been more than one pulse of dark grey and milky white quartz veins as at 67.68; milky white vein is on border then dark grey then white then dark grey; the dark grey vein may have been brecciated and then healed by the second pulse of milky white silica - weakly kaolinitic				66.30	67.25	0.95					
						67.25	69.25	2.00					
						69.25	71.34	2.09					
		74.15-74.25 - py-bearing milky white quartz vein in syenite fragment or dyke	1vol%py										
						71.34	74.15	2.81					
						74.15	76.15	2.00					
		75.70-75.80 - py-bearing white calcite-quartz vein	1vol%py										
		76.15-77.30 - massive white py-bearing quartz vein	1-4vol%py cp										
		- contains fragments of andesite lithic tuff, syenite and dark grey quartz				76.15	78.15	2.00					
		77.30-80.80 - section is very weakly bleached											
		- missing core from 79.00-80.30				78.15	80.80	2.65					



PROPERTY VEGA

HOLE NoVD-11.

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
132.90	144.65	98.65-104.90 - moderate to locally intensely silicified with minor to moderate fracture filling and disseminated py, cp	1-5vol% py, cp			98.65	100.65	2.00					
				100.65	102.65	2.00							
				102.65	104.90	2.25							
				108.37	110.37	2.00							
				114.63	116.63	2.00							
		- frequent slickensides			121.78	123.78	2.00						
		126.35-126.95 - f-m.g. bright orange-pink hornblende - complete sausseritization of hornblendes - contact sharp	1vol%py 1vol%mt										
		- lower contact sharp											
				130.90	132.90	2.00							
				132.90	133.90	1.00							
<u>HEMATITE-HORNBLLENDE SYENITE</u>													
- f-m.g. massive britht orange-pink hematite-hornblende syenite	1vol%py 4vol%mt												
- as above													
- weak sausseritization of hornblendes													
133.23-133.70 - fault gouge													
- rare calcite-quartz veining													
135.90-136.90 - intense fault gouge - hardly any rock fragments			133.90	135.90	2.00								
136.91-138.00 - f.g. dark green-black andesite lithic tuff - as above - intense fault gouge from 137.50-138.00	1vol%py 4-5vol%mt												
138.00-139.63 - intense fault gouge - few rock fragments remaining													



PROPERTYVEGA.....

HOLE No ..VD-11.....

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PROPERTY		GRID COORDINATE	STARTED		DIP AND BEARING TEST						
VEGA			FINISHED		Meterage	Dip	Bearing	Meterage	Dip	Bearing	
HOLE No.		ELEVATION	LENGTH								
VD-12			LOGGED BY								
BEARING											
DIP COLLAR		SECTION									
METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS		
From	To					From	To	Length	Au	Ag	
0.00	4.57	Overburden									
4.57	66.75	<u>ANDESITE CRYSTAL TO LITHIC TUFF</u> - f.g. massive dark green to locally grey-green andesite crystal to lithic tuff - numerous rounded to sub-angular syenitic? and mafic to intermediate volcanic fragments - locally abundant euhedral hornblende phenocrysts - generally very minor to locally moderate disseminated py, cp - moderate to strongly magnetic - locally strongly chloritic and silicified (grey-green) 4.57-8.25 - ground core 8.25-8.90 - f.g.-m.g massive orange-pink syenite - minor euhedral hornblende - weakly magnetic - weakly silicified - abundant f.g. disseminated py, cp 8.90-18.40 - moderate disseminated py and less so cp - locally abundant py-cp-quartz veining such as at 12.35-13.00 - moderately chloritic	1-5vol% py, cp 2-4vol% mt 1-2vol% mt 10-15vol% py,cp 5-7vol% py, cp								
						8.25	8.90	0.65			
						8.90	10.90	2.00			
						10.90	13.00	2.10			
						16.40	18.40	2.00			
						20.73	22.73	2.00			

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
66.75	75.00	- minor to locally moderate 1mm-3mm calcite-quartz veining	1vol% mt & py			26.83	28.83	2.00					
						33.21	35.21	2.00					
		52.20-52.60 - f.g. tan brown massive hornblende syenite				39.63	41.63	2.00					
		- weakly magnetic and pyritic				45.12	47.12	2.00					
		- contacts sharp				53.00	55.00	2.00					
						59.50	61.50	2.00					
						64.75	66.75	2.00					
		- lower contact sharp											
		<u>HORNBLLENDE SYENITE</u>				66.75	68.75	2.00					
		- f.g. massive dark grey-green-pink hornblende syenite											
75.00	114.35	- hornblendes are euhedral and up to 2mm x 8mm	1-2vol%py 1-3vol%mt										
		- weakly pyritic											
		- weakly magnetic											
		- lower contact sharp				73.00	75.00	2.00					
		<u>ANDESITE CRYSTAL TO LITHIC TUFF</u>											
		- as above				78.05	80.05	2.00					
		- no change				85.50	87.50	2.00					
		95.30-102.15 - hornblende-rich section				91.90	93.90	2.00					
		- abundant euhedral (2mm x 4mm) hornblende phenocrysts				98.00	100.00	2.00					
		- lithic fragments are smaller and less frequent				105.00	107.00	2.00					
		102.15-105.00- moderately to strongly chloritic coarse fragments (greater than 7cm)				112.35	114.35	2.00					
		- lower contact sharp											

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	Au	Ag			
114.35	102.30	<u>HORNBLLENDE SYENITE</u> - f.g. massive dark grey-pink hornblende syenite - as above - weakly magnetic - weak to moderately pyritic - lower contact sharp	1-3vol%mt 3-4vol%py			114.35	116.35	2.00					
						118.30	120.30	2.00					
120.30	124.05	<u>ANDESITE CRYSTAL TO LITHIC TUFF</u> - as above - becoming weakly bleached towards bottom of section - minor calcite-quartz veining 123.75-124.05 - fault gouge	1-2vol%py 1-3vol%			122.05	124.05	2.00					
124.05	133.23	<u>INTENSELY BLEACHED ANDESITE CRYSTAL LITHIC TUFF</u> - as above but intensely bleached (light tan-brown) - moderately hematitic - near total obliteration of lithic texture (faintly observed) - not magnetic - weakly pyritic - sea-green feldspar occasionally observed - minor to locally abundant grey-white banded calcite-quartz veining 124.05-125.20 - fault gouge 126.00-126.70 - banded white-grey quartz vein swarm 131.45-132.00 - banded grey-white quartz breccia (swarm) - lower contact sharp	1-2vol%py 1vol%py 1vol%py			124.05	126.00	1.95					
						126.00	128.00	2.00					
						128.00	130.00	2.00					
						130.00	132.00	2.00					
						132.00	133.23	1.23					



PROPERTY VEGA

HOLE NoVD-12.....

PAGE 5.....

[illegible]

APPENDIX 2

Vega Chargeability-Resistivity Pseudo-Sections

CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 20 NORTH

"A": 25.0 METRES

N=1 TO 5

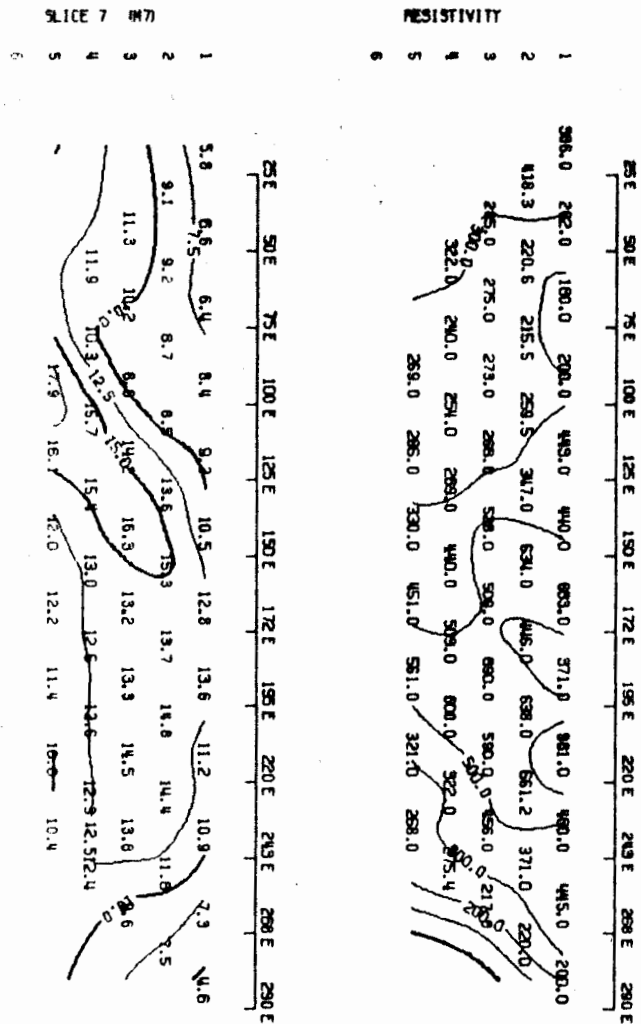
SCINTREX IPA-11 RECEIVER

TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 35 NORTH

"A": 25.0 METRES

N=1 TO 5

SCINTREX IPA-11 RECEIVER

TX PULSE TIME: 2.0 SEC

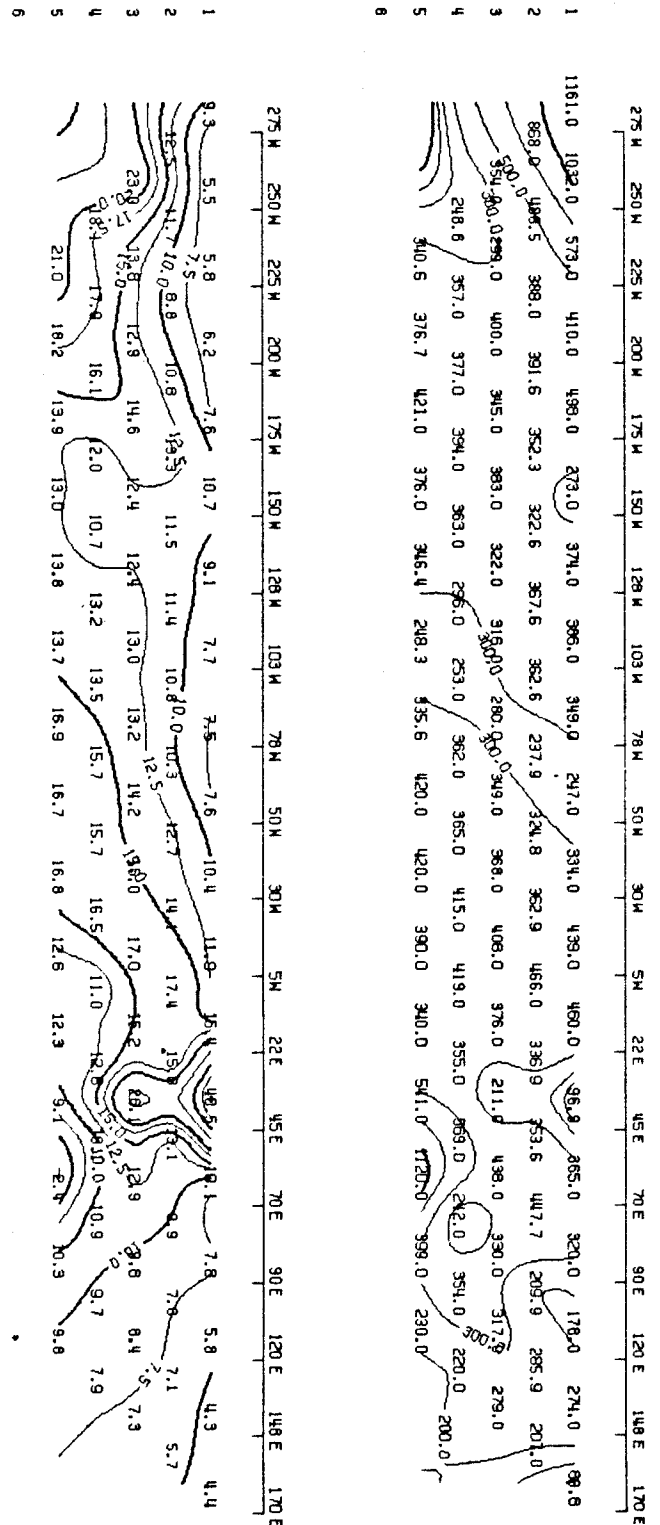
POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 34 NORTH

"A": 25.0 METRES

N=1 TO 5

SCINTREX IPA-11 RECEIVER

TX PULSE TIME: 2.0 SEC

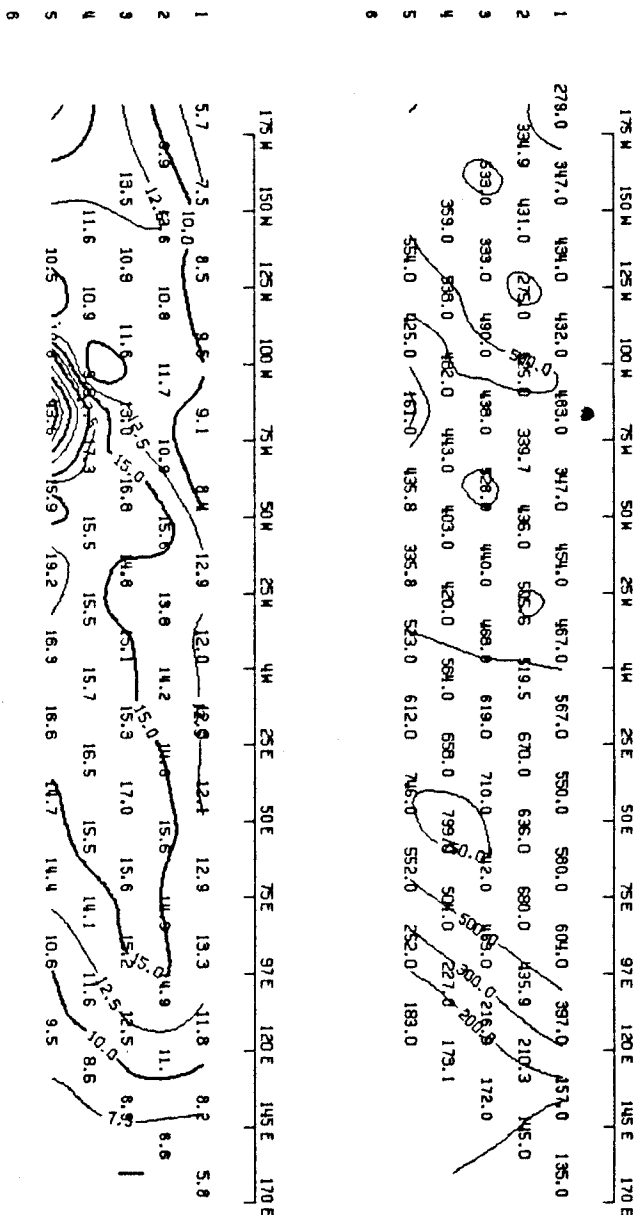
POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 12 NORTH

"A": 25.0 METRES N=1 TO 5

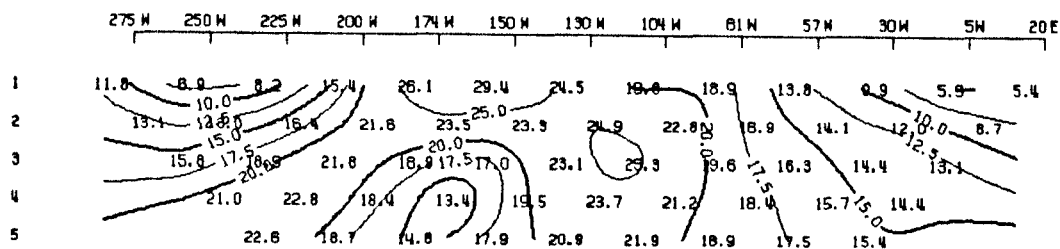
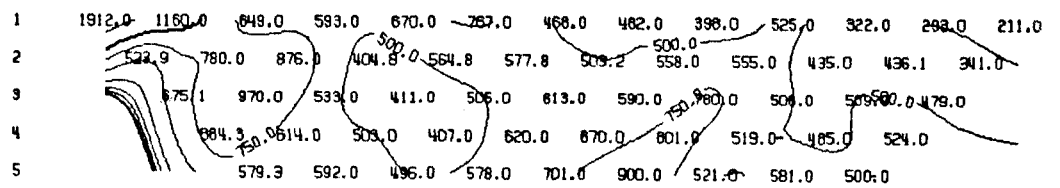
SCINTREX IPA-11 RECEIVER TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

RESISTIVITY

SLICE 7 (M)



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 11 NORTH

"A": 25.0 METRES N=1 TO 5

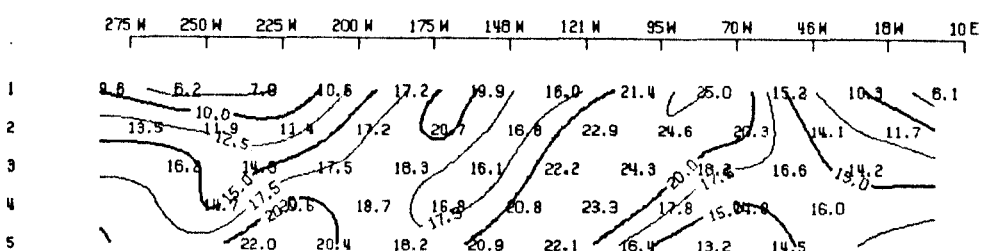
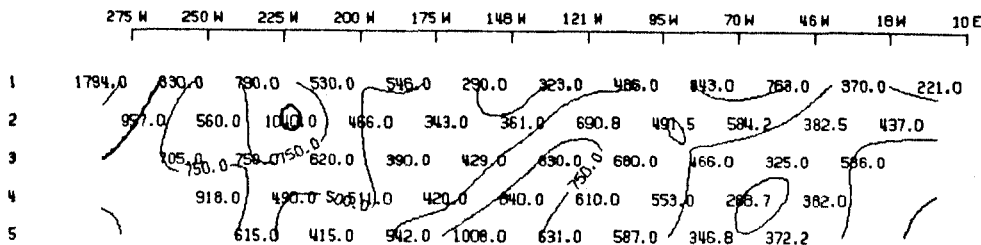
SCINTREX IPA-11 RECEIVER TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

RESISTIVITY

SLICE 7 (M)



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 10 NORTH

"A": 25.0 METRES N=1 TO 5

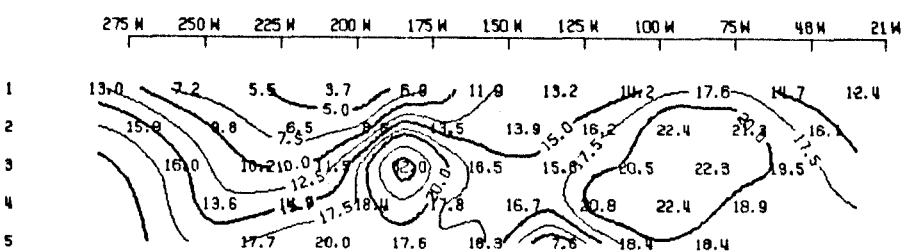
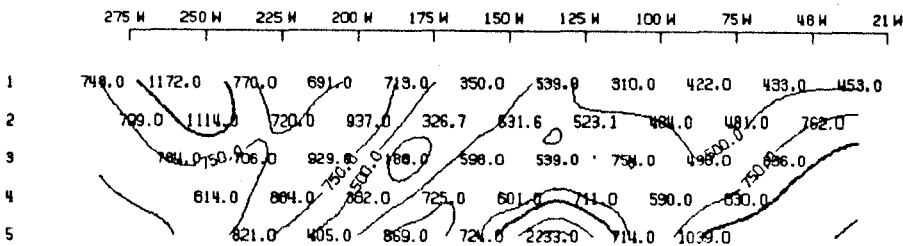
SCINTREX IPA-11 RECEIVER TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

RESISTIVITY

SLICE 7 (M)



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 32 NORTH

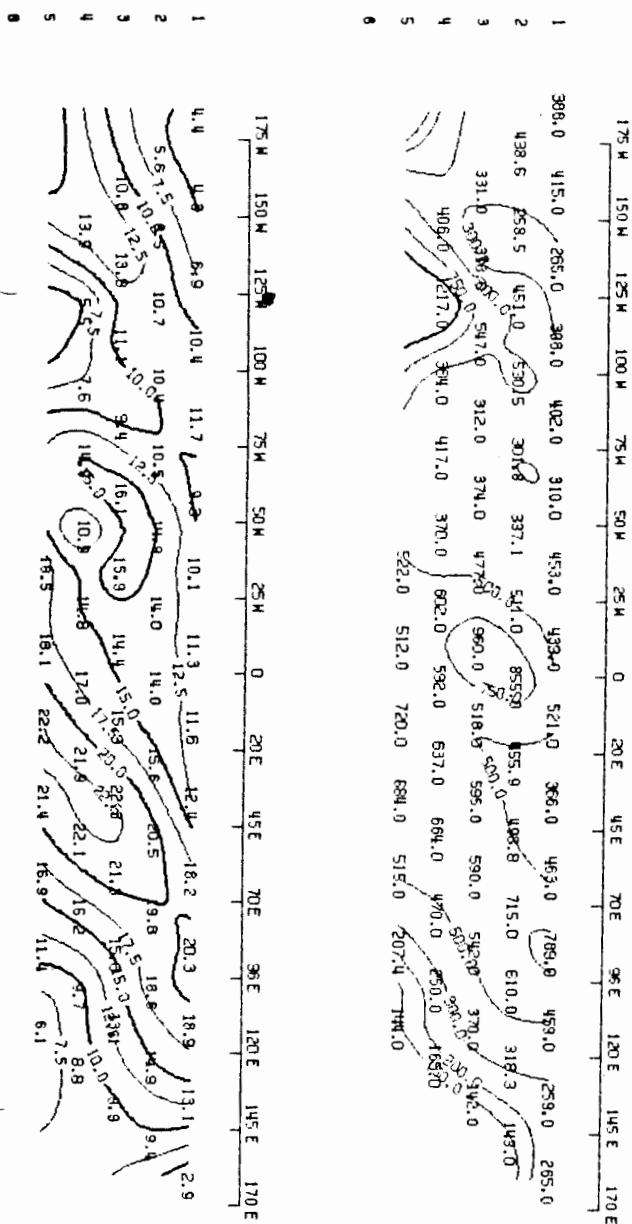
"A": 25.0 METRES N=1 TO 5

SCINTREX IPA-11 RECEIVER
POLE-DIPOLE ARRAYTX PULSE TIME: 2.0 SEC
RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 33 NORTH

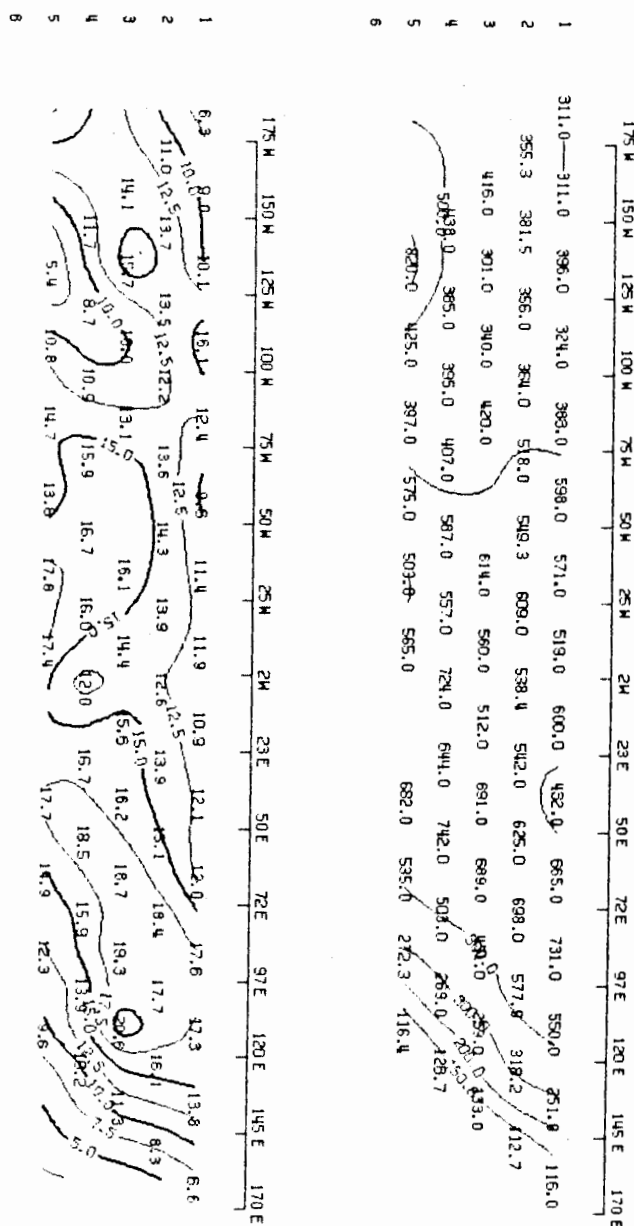
"A": 25.0 METRES N=1 TO 5

SCINTREX IPA-11 RECEIVER
POLE-DIPOLE ARRAYTX PULSE TIME: 2.0 SEC
RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 120 SOUTH

"A": 25.0 METRES

N=1 TO 5

SCINTREX IPA-11 RECEIVER

TX PULSE TIME: 2.0 SEC

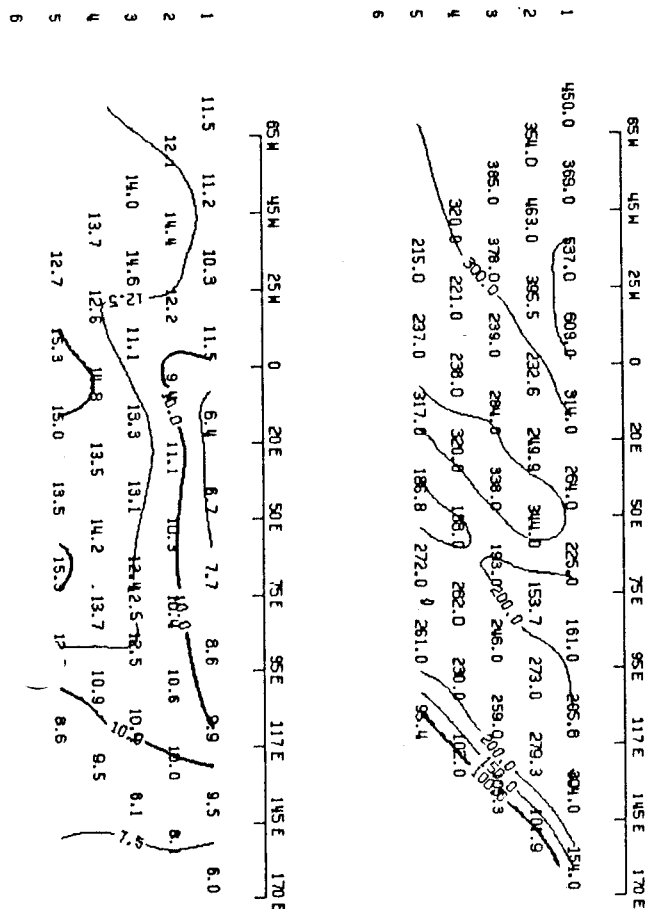
POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 60 SOUTH

"A": 25.0 METRES

N=1 TO 5

SCINTREX IPA-11 RECEIVER

TX PULSE TIME: 2.0 SEC

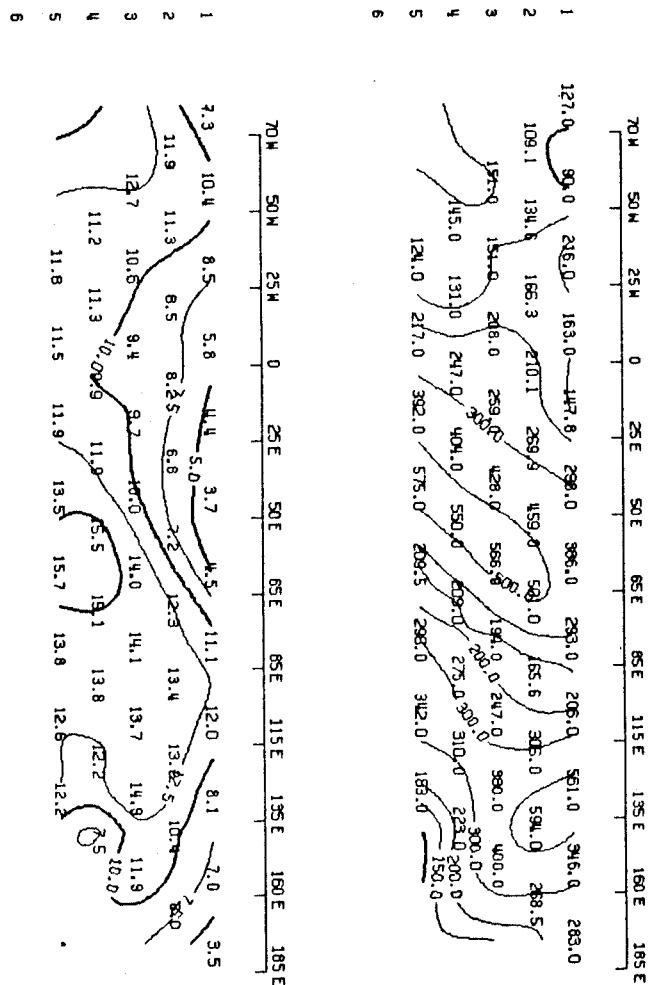
POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 15 NORTH

"A": 25.0 METRES

N=1 TO 5

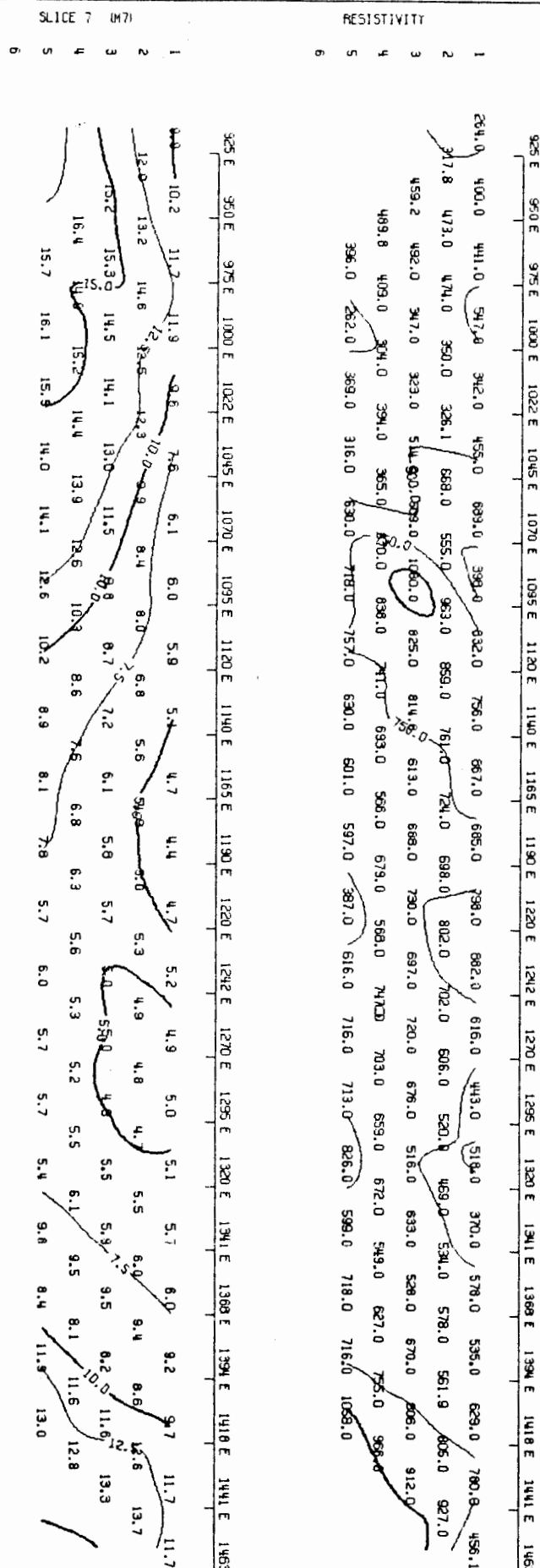
SCINTREX IPA-11 RECEIVER

TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250



VEGA PROJECT

LINE NUMBER: 12 NORTH

"A": 25.0 METRES N=1 TO 5

SCINTREX IPR-11 RECEIVER

TX PULSE TIME: 2.0 SEC

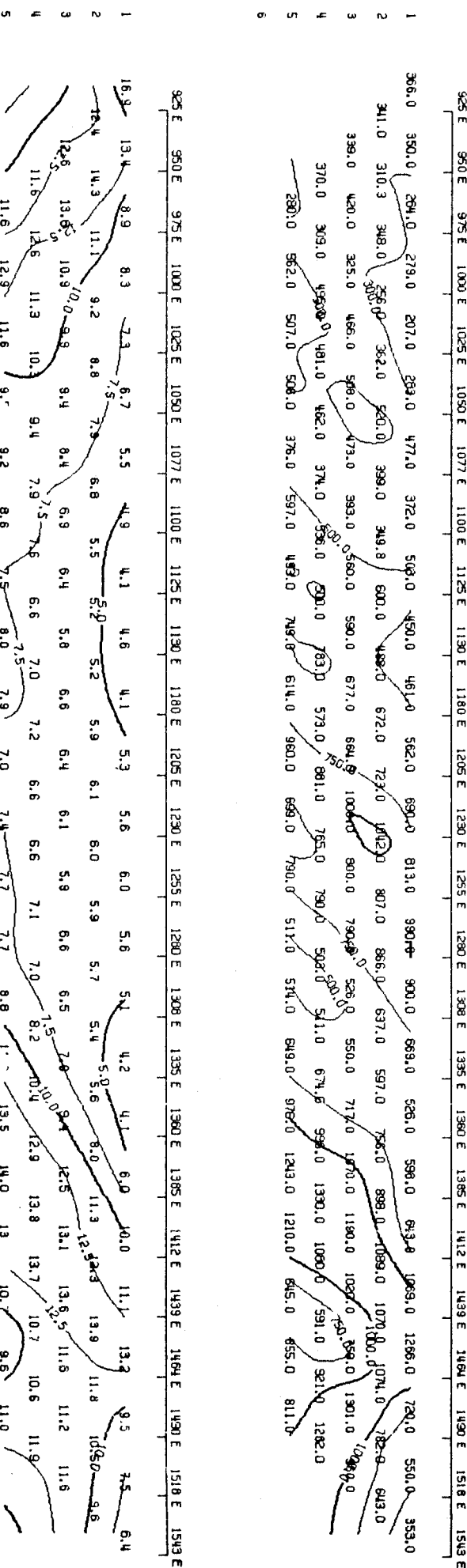
POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



VEGA PROJECT

LINE NUMBER: 14 NORTH

"A": 25.0 METRES N=1 TO 5

SCINTREX IPR-11 RECEIVER

TX PULSE TIME: 2.0 SEC

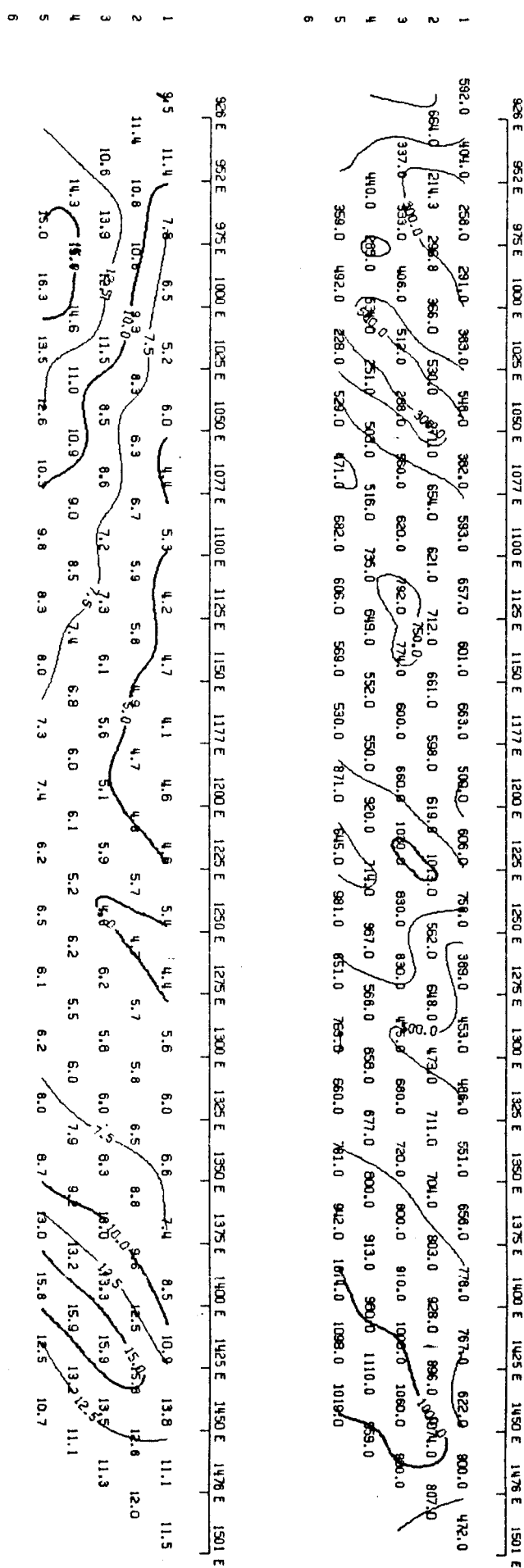
POLE-DIPOLE ARRAY

RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 16 NORTH

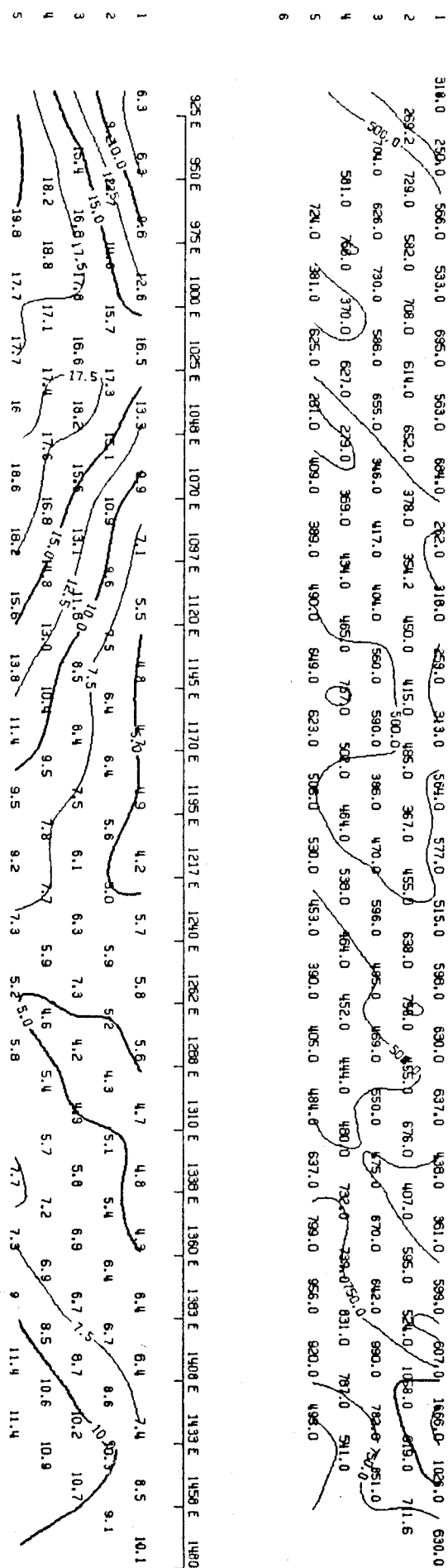
"A": 25.0 METRES N=1 TO 5

CINTREX IPR-11 RECEIVER TX PULSE TIME: 2.0 SEC
POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 16 NORTH

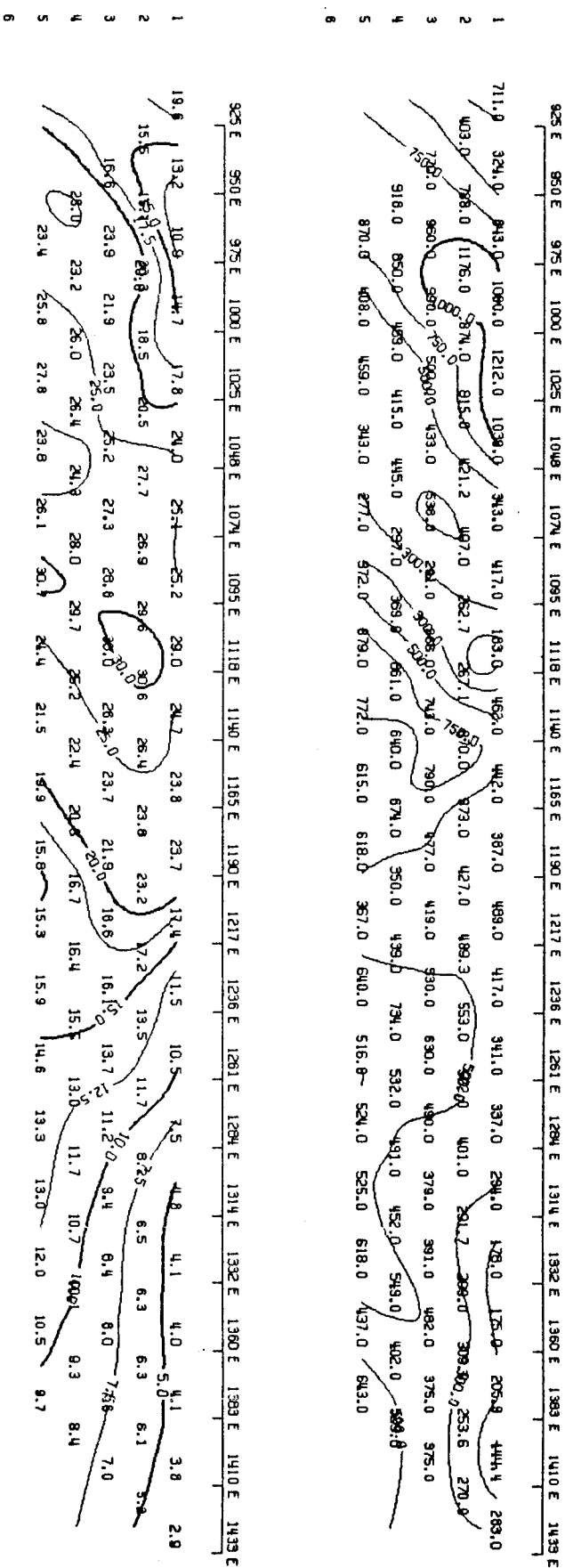
"A": 25.0 METRES N=1 TO 5

SCINTREX IPR-11 RECEIVER TX PULSE TIME: 2.0 SEC
POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



APPENDIX 3

Vega DDH Logs + Assays (V-88-1 to 8)

[illegible]



(Canada) Ltd.

VEGA

HOLE No. V-88-01

PAGE 2.

[illegible]



PROPERTY VEGA.

HOLE No. VD-88-1

PAGE .3.

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)		
31.23	49.15	- entire section is strongly brecciated with abundant in-filling white and grey quartz (2 phases) - veining is generally haphazard (stockwork) but some may be trending 50° to C.A.; no associated py - minor disseminated to small masses of py - unit lower contact is irregular	2vol%py		Q9054	29.50	31.23	1.73	34		26		
		<u>BRECCIATED AND BLEACHED ANDESITE LITHIC TUFF</u>			Q9055	31.23	32.73	1.50	44		49		
		- f.g. brecciated to locally massive dark green black andesite lithic tuff - composition of fragments is more variable but remains intermediate to mafic in composition - fragments are usually less than 1cm and angular - minor to moderate f.g. disseminated to vein-like pyrite - strongly brecciated	2-3vol%		Q9056	33.95	35.45	1.50	310		268		
		- minor to moderate (less than 0.5cm) haphazard grey and occasionally white quartz-chalcedony stockwork - non to strongly silicified and bleached - section contains numerous 0.5cm sections which are highly fractured to fault gouged such as at 35.20-35.40, 37.25-38.50			Q9057	37.22	38.72	1.50	16		147		
		38.72-40.80 - fault gouge											
		- majority of section has numerous syenite fragments and/or dyking however it is difficult to determine whether the sections are fragments or dykes due to the fractured and gouged nature of the core											
		41.30-41.80 - fault gouge											
		41.80-42.70 - f.g. light grey-orange brecciated syenite dyke - weak to moderately bleached? - not magnetic - very minor disseminated py	1vol%py		Q9058 Q9059	40.30 41.80	41.80 42.70	1.50 0.90	34 5		264 77		



METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)		
49.15	61.20	42.70-47.26 - fault gouge - mixture of andesite and syenite											
		47.26-48.50 - f.g. light green-orange syenite - as above - moderate haphazard (1-2mm) grey-white quartz-chalcedony veining - fault gouge from 47.55-48.50			Q9060	47.26	48.50	1.24	8		65		
		48.50-49.15 - fault gouge - mixture of andesite and syenite											
		- unit lower contact broken											
		<u>BRECCIATED SYENITE</u>			Q9066	49.15	50.65	1.50	7		78		
		- f.g. light grey-orange massive to brecciated syenite - weak to locally moderately bleached - minor to locally abundant grey py-bearing quartz-chalcedony veining and cross-cutting py-bearing white quartz veining - numerous variably sized andesite fragments - minor disseminated py - most of section is highly broken and gouged - strong gouge (40-50% recovery) from 51.83-57.01			Q9061	57.40	58.90	1.50	5		172		
61.20	66.95	- 52.80-54.20 - f.g. andesite lithic tuff - unit lower contact broken			Q9062	59.70	61.20	1.50	3		98		
		<u>PYRITIC-BRECCIATED ANDESITE LITHIC TUFF</u>											
		- f.g. pyritic brecciated andesite lithic tuff - section consists of variably sized angular andesite, bleached andesite and syenite fragments in a f.g. andesite groundmass - moderate to abundant disseminated, masses and vein-like pyrite - minor to locally abundant white quartz veining	2-15vol% py										



PROPERTYVEGA.

HOLE No ..V..88..01.

PAGE 5.

[illegible]

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)			ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)		
		- contacts sharp to 30° to C.A.											
		72.25-72.35 - f.g. syenite	1vol%py		Q9161	69.90	71.20	1.30	4		144		
		72.45-72.70 - f.g. orange brown strongly brecciated syenite	1vol%py		Q9069	71.20	72.70	1.50	2		102		
		72.70-74.20 - strongly bleached and brecciated andesite lithic tuff			Q9070	72.70	74.20	1.50	7		192		
		- abundant in-filling quartz veining											
		- minor disseminated py	1 vol%py										
		- very soft fault gouge from 73.70-74.30											
		- unit lower contact broken											
76.83	85.30	BLEACHED AND STRONGLY BRECCIATED SYENITE			Q9071	76.83	78.83	2.00	12		72		
		- f.g. massive to strongly brecciated orange-brown syenite											
		- entire section is strongly brecciated with intense stockwork of white to grey-white quartz and chalcedony veining and veinlets; veining appears barren											
		- minor disseminated py	1-2vol%py										
		- not magnetic											
		- weak to locally strongly bleached and silicified											
		- weakly kaolinitic											
		- locally have minor stockwork of milky white soft and soap-feel clay? mineral as from 81.05-81.80, 82.35-83.00											
		83.85-84.35			Q9162	78.83	80.23	1.43	13		112		
		- soft fault gouge from 77.40-80.80 in abundant white quartz veining			Q9163	80.23	81.30	1.07	5		73		
		- there are numerous 1cm-8cm andesite sections which generally contain abundant disseminated py	10-20vol%		Q9072	81.30	83.30	2.00	14		119		
		- unit lower contact gradational			Q9073	83.30	85.30	2.00	16		406		
85.30	117.00	SILICIFIED AND STRONGLY BRECCIATED-BLEACHED SYENITE? (MUDSTONE?)			Q9074	85.30	86.90	1.60	12		59		
		- f.g. light grey-orange to white silicified and strongly brecciated-bleached syenite (bleached andesite? or mudstone?)			Q9075	86.90	88.40	1.50	19		91		

[illegible]



METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(ppb)				
									Au	Ag	Cu (ppm)		
		- bedding is trending 40°-50° to C.A. - minor disseminated py but get occasional 5cm sections with up to 10-15 vol% py - majority of the section is highly broken	1-2 to 15vol%py		Q9093	122.09	124.09	2.00	46		101		
		125.30-125.50 - f.g. massive orange-brown syenite dyke											
		126.90-129.90 - dominantly f.g. orange-brown syenite but are getting numerous 5-15 cm sections of f.g. dark-green andesite			Q9094	126.90	128.90	2.00	26		133		
		130.18-130.95 - mud seam			Q9095	132.00	134.00	2.00	285		224		
		133.25-133.35 - several white to grey py-bearing to rich quartz veins trending 30°-40° to C.A.	4vol%py		Q9096	136.00	138.00	2.00	65		48		
		- frequency of quartz veining compared to previous section has significantly decreased; stockwork system is non existent to locally poorly developed			Q9097	140.00	142.00	2.00	25		140		
		- from 129.90 to 202.13 the andesite is more of a crystal tuff the a lithic tuff - very few fragments			Q9098	145.00	147.00	2.00	41		149		
		147.30-149.60 - moderately boititic			Q9099	147.00	149.00	2.00	70		50		
					Q9100	151.35	153.35	2.00	11		97		
		155.50-160.30 - poorly developed pyrite-bearing white calcite-quartz stockwork	1vol%py		Q9101	156.20	158.20	2.00	12		74		
		159.50-160.20, 160.30-160.83, 160.98-161.24, 161.40-161.84, 162.25-163.55 - f.g. orange-brown to white-orange strongly bleached syenite dykes			Q9102	159.50	161.50	2.00	5		104		
					Q9103	161.50	163.55	2.05	3		142		
					Q9104	163.55	165.55	2.00	6		193		
		- generally contacts are assimilated but at times are sharp and irregular			Q9105	167.82	169.82	2.00	6		360		
		- there is a poorly developed white calcite-quartz stockwork	1-3vol%py		Q9106	171.82	173.82	2.00	1		100		
		165.30-180.00 - poor core recovery (50-90%) - highly broken			Q9107	175.82	177.82	2.00	5		58		



(Canada) Ltd.

PROPERTY ...VEGA

HOLE No ..Y-88-Q1

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[illegible]



PROPERTY Vega		GRID COORDINATE		STARTED September 25, 1988		DIP AND BEARING TEST									
HOLE No. V-88-02		12000N 200E		FINISHED September 26, 1988		Meterage	Dip	Bearing	Meterage	Dip	Bearing				
BEARING 270°		ELEVATION 1250m		LENGTH 152.44m		110.98	46°								
DIP COLLAR -49°		SECTION		LOGGED BY D.B. Stevenson		152.44	48°								
METERAGE		DESCRIPTION				% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To								From	To	Length	Au	Ag		
0.00	8.23	<u>SUMMARY</u> OVERBURDEN STRONGLY FRACTURED SILICIFIED PYRITIC MUDSTONE STRONGLY BLEACHED AND BRECCIATED PYRITIC SYENITE? E.O.H.													
8.23	96.70														
96.70	152.44														
152.44															

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)			ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)		
0.00	8.23	Overburden											
8.23	96.70	<u>STRONGLY FRACTURED SILICIFIED PYRITIC MUDSTONE</u>											
		- v.f.g.-f.g. massive to strongly fractured whitish-grey silicified pyritic mudstone											
		- weak to moderately silicified											
		- weakly kaolinitic											
		- not magnetic											
		- entire section contains f.g. disseminated and fracture filling pyrite	1-4vol%py										
		- strongly oxidized, rusty brown from 8.23-23.43											
		8.23-11.28 - 2.15 of lost core			Q9116	8.23	11.28	3.05*	98			332	
		11.28-14.28 - 1.80m of lost			Q9117	11.28	14.33	3.05*	23			432	
		14.33-17.38 - 1.95m of lost core			Q9118	14.33	17.38	3.05*	54			540	
		17.38-20.43 - 0.45m of lost core			Q9119	17.38	20.43	3.05*	69			400	
		20.43-23.43 - 1.25m of lost core			Q9120	20.43	23.43	3.00*	72			151	
		- occasional 1-3mm haphazard white quartz veins											
		23.43-25.55 - f.m.g. massive light green-grey to orange syenite dyke?			Q9121	23.43	25.55	2.12	34			369	
		- good euhedral feldspars (up to 2mm X 4mm) and rounded light green syenite fragments in a f.g. syenite groundmass	1-2vol%py										
		- weak fractured with pyrite coating planes											
		- majority of section is lightly broken with abundant core loss, at times greater than 50 percent											
		26.52-29.57 - 1.75m of lost core		43	Q9122	25.55	27.05	1.50*	39			214	
				70	Q9123	27.05	29.57	2.52*	48			249	
					Q9124	29.57	32.01	2.44*	103			180	

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb) ASSAYS		
From	To					From	To	Length	Au	Ag	Cu (ppm)
		58.23-60.37 - in lost core - strongly brecciated from 59.15-59.40 - brecciated area is healed by grey and white quartz material	1-3vol%py 2-3vol%py	100	Q9136	59.00	60.00	1.00	43		120
		60.37-61.55 - v.f.g medium green-grey quartz latite? - darker color may suggest a compositional change - unit lower contact is irregular and gradational (sedimentary?) - most magnetic	1vol%py	100	Q9137	60.37	61.55	1.18	10		79
					Q9138	63.11	65.11	2.00	50		136
					Q9139	67.00	69.10	2.00	51		118
					Q9140	69.00	71.00	2.00	64		124
		72.26-75.31 - 1.15m of lost core		62							
		75.31-84.45 - section is strongly brecciated and fractured - fragments are healed by intense pyrite-rich grey and white quartz-chalcedony veining - v.f.g. disseminated py also coats fractured planes - quartz veining in this zone trends 50°-65° to C.A. - veins are up to 2cm wide and contain abundant f.g. pyrite - missing 1.64m of core from 75.31-78.35 - missing 1.75m of core from 78.35-81.10 - no lost core from 81.10-84.45	5-15vol%py								
				46	Q9141	75.31	78.35	3.04*	81		95
					Q9142	78.35	81.10	2.75*	32		95
				37	Q9143	81.10	82.75	1.65	45		82
					Q9144	82.75	84.45	1.70	390		81
		84.45-87.50 - mud seam		10							
		87.50-90.55 - moderate to strongly fractured and locally brecciated - section is highly broken - occasional 1-2cm white quartz veining	3-5vol%py	90	Q9145	87.50	89.50	2.00	44		87
		90.55-93.60 - no lost core		100							
		93.60-96.70 - 1.00m of lost core		64							
		- unit lower contact highly broken to fault gouged		48	Q9146	93.60	96.70	3.10*	51		43

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)			ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)		
0.00	5.25	Overburden											
5.25	29.90	SILICIFIED AND BLEACHED PYRITE-RICH SYENITE BRECCIA											
		- f-m.g. massive to strongly brecciated and bleached light light grey pyrite-rich syenite breccia											
		- not magnetic											
		- weak to locally silicified											
		- strongly bleached											
		5.80-11.00 - moderate to strongly brecciated			Q9164	5.25	6.75	1.50	34			232	
		- strongly oxidized			Q9165	6.75	8.25	1.50	250			931	
		- minor thin banded quartz-chalcedony		100	Q9166	8.25	9.75	1.50	660			884	
		veining trending haphazardly (stockwork fashion)			Q9167	9.75	11.00	1.25	152			492	
		11.00-19.70 - intensely brecciated with abundant v.f.g. (black) and f.g. disseminated and fracture-breccia-filling pyrite and very minor chalcopryrite	5-15vol% py.cp		Q9168	11.00	14.33	3.38*	220			369	
		- there are numerous well banded white quartz chalcedony veins up, to 1-2cm wide			Q9169	14.33	15.50	1.17	75			161	
		- the white veins (secondary) cross cut the breccia zones which are healed by pyrite		100	Q9170	15.50	16.50	1.00	123			261	
		- the fracture-breccia-filling pyrite is accompanied by dark grey chalcedony (primary)			Q9171	16.50	18.00	1.50	56			187	
		- some white veining is highly bleached resulting in a good vuggy texture as firm 14.33-15.50			Q9172	18.00	19.70	1.70	37			226	
		- lost 1.05m of core from 11.28-14.33		46									
		20.12-23.48 - 1.26m of lost core		63	Q9173	19.70	23.48	3.78*	42			331	
		- unaltered orange syenite from 23.60-23.38	2vol%py										
		23.48-26.52 - 2.04m of lost core		33	Q9174	23.48	26.52	3.04*	99			283	
		- unaltered syenite from 25.00-26.52	4vol%py										
		26.52-29.27 - 1.75m of lost core		36	Q9175	26.52	29.27	2.75*	93			929	
		- some pebbles of well banded grey-white quartz-chalcedony	2-4vol%py										

*ground core in section

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)		
29.90	44.82	- unit lower contact sharp at 55° to C.A. <u>CHLORITIC ANDESITE LITHIC TUFF TO AGGLOMERATE</u> - f-m.g. massive dark green-black chloritic andesite lithic tuff to agglomerate - lithic fragments vary considerably in size from less than 0.5cm to greater than 20cm - most fragments are sub-rounded - compositionally the fragments vary from syenite to andesitic with occassionally pale yellow chert? - section contains minor to moderate disseminated pyrite and lesser chalcopyrite, sphalerite and galena - not magnetic - infrequent py-bearing white quartz veins - fault gouge from 30.45-36.60 32.30-36.00 - f-m.g. massive orange-red syenite dyke - minor disseminated py 38.30-40.02 - moderate to abundant disseminated - py,cp,sp,gn 41.50-42.50 - f-m.g. massive light grey-orange-green hornblende syenite dyke - has spotty texture - f-m.g. euhedral crystals of k-spars plagioclase and hornblende in a v.f.g. light grey intermediate matrix - minor disseminated py - not magnetic - lower contact broken - unit lower contact broken but appears abrupt	2-8 vol% py,cp,sp gn										
					Q9176	32.30	36.00*	3.70	20		22		
					Q9177	36.00	38.00	2.00	51		304		
					Q9178	38.00	39.20	1.20	106		198		
					Q9179	39.20	40.20	1.00	58		367		
					Q9180	40.20	41.20	1.30	57		56		
					Q9181	41.50	42.50	1.00	1050		3125		
								</					

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS		
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)
		- as above but whitish-grey to locally grey-green - strongly silicified and bleached - weakly kaolinitic - locally strongly brecciated - section contains a strong stockwork of white and grey banded quartz-chalcedony veinlets - abundant v.f.g. black pyrite is associated with the veining and as coatings in fracture and breccia zones - veining varies from 2mm to 15cm thick			Q9184	47.82	49.32	1.50	73		41
					Q9185	49.32	50.92	1.60	45		21
		50.92-54.88 -2.56m of lost core 55.60-58.55 - well banded white-grey quartz-chalcedony veining is trending 10° to C.A.		35	Q9186	50.92	54.88	3.96*	10		8
					Q9187	54.88	56.38	1.50	19		7
					Q9188	56.38	57.38	1.00	4		5
		- sections contains occassional flakes of fuchsite-green clay? mineral observed to be replacing feldspars - unit lower contact gradational			Q9189	57.38	58.55	1.17	5		4
58.55	64.65	<u>WEAKLY BLEACHED AND SILICIFIED ANDESITE LITHIC TUFF TO AGGLOMERATE</u>			Q9190	58.55	60.05	1.50	10		13
					Q9191	60.05	61.55	1.50	9		9
		- as above but non to weakly bleached and silicified - well banded white-grey quartz-chalcedony veins are present but infrequent - unit lower contact sharp at 40° to C.A.			Q9192	61.55	63.05	1.50	12		5
					Q9193	63.05	64.65	1.60	25		6
64.65	75.00	<u>SILICIFIED PYRITIC SYENITE</u>									
		- f-m.g. massive orange silicified pyritic syenite - strongly silicified - section contains moderate disseminated and fracture filling - weakly fractured - rare thin (1-2mm) white-grey quartz-chalcedony veining		1-5vol%py							
		66.16-69.21 - 0.85m of lost core		72	Q9194	64.65	66.16	1.51	13		12
					Q9195	66.16	69.21	3.05*	6		11
		69.21-72.26 - 0.45m of lost core		85	Q9196	69.21	70.71	1.50*	94		9
					Q9197	70.71	72.26	1.55*	68		11

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(pph)		ASSAYS		
From	To					From	To	Length	Au	Ag			
66.90	86.15	<u>CHERTY DARK GREEN MUDSTONE</u> - v.f.g. dark green massive and moderately fractured cherty mudstone - similar to the mudstone above but is dark green (more mafic constituents) and cherty rather than silicified and contains less disseminated and fracture-filling pyrite - minor disseminated pyrite - numerous wispy white calcite-quartz veinlets throughout section (weak to strong stockwork) 78.60-80.79 - v.f.g. silicified light-grey pyrite mudstone - contacts gradational - as above - well band white-grey quartz-chalcedony veining from 80.05-80.25 - unit lower contact gradational	1-3vol%py		Q9224	66.90	68.90	2.00	42		47		
					Q9229	72.26	74.26	2.00	5		47		
					Q9230	78.60	79.60	1.00	19		118		
					Q9231	79.60	80.79	1.19	79		132		
					Q9232	84.15	86.15	2.00	98		171		
86.15	90.45	<u>SILICIFIED LIGHT GREY PYRITIC MUDSTONE</u> - as above 86.80-87.00 - strongly brecciated - abundant thin (1mm to 1cm) white and grey haphazard quartz-chalcedony veining throughout - moderately fractured with pyrite coating fracture planes - 0.35m of hot core between 89.15-90.45 - unit lower contact gradational	1-3vol%py		Q9233	86.15	87.50	1.35	25		101		
					Q9234	87.50	89.15*	1.65	39		149		
					Q9235	89.15	90.45*	1.30	7		77		
90.45	95.40	<u>INTENSELY SILICIFIED AND VEINED LIGHT GREY PYRITIC MUDSTONE</u> - as above but intensely silicified throughout - strongly fractured to locally strongly brecciated - very good grey and white massive to banded quartz-chalcedony stockwork throughout - some veining may contain tourmaline crystals as from 93.15-93.70, 94.20-94.70 91.90-95.10 - this section is especially silicified and veined with minor to moderate disseminated and masses of pyrite			Q9225	90.45	91.90	1.45	950		146		
					Q9226	91.90	93.40	1.50	26		53		



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	
		40.22-40.90 - strongly brecciated - moderate to strong quartz-chalcedony stockwork - locally abundant masses of pyrite	2-15vol% py		Q9252	40.22	41.72	1.50	41		292	
					Q9253	41.72	42.80	1.08	69		287	
		42.80-43.85 - m.g. strongly fractured white strongly bleached? and silicified syenite? dyke - appears to have a plutonic texture - some feldspars and altered to a pink sericite? - graphitic mylonite zone from 42.10-42.25			Q9254	42.80	43.85	1.05	78		100	
		44.70-45.00 - strongly brecciated - weakly graphitic? - strong quartz-chalcedony stockwork	4vol% py		Q9255	44.70	45.90	1.20	36		75	
		45.90-46.70 - strongly brecciated - locally mylonitic over 10-20cm - strong quartz-chalcedony stockwork - brecciated white and grey banded quartz from 46.15-46.55 - weakly graphitic	1-3vol% py		Q9256	45.90	46.70	0.80	49		50	
		48.00-49.40 - strongly brecciated - strong quartz-chalcedony stockwork - 0.40m of lost core	1-3vol% py		Q9257	48.00	49.40	1.40*	1640		52	
		49.70-52.00 - strongly fractured - abundant fracture filling pyrite - moderate to strong quartz-chalcedony stockwork	1-5vol% py		Q9258	49.70	51.70	2.00	92		77	
		52.00-61.30 - locally crudely banded - alternating light grey and dark grey bands of cherty or intensely silicified mudstone trending 30-55° to C.A. - moderately fractured - minor to moderate disseminated and fracture filling pyrite - strong quartz-chalcedony stockwork throughout	1-5vol% py		Q9259 Q9260	53.35 55.35	55.25 57.35	2.00 2.00	34 116		76 143	

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS		
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)
		- grey-white quartz veins from 59.20-59.45 - unit becomes dark green from 60.90-61.30			Q9261	59.00	60.50	1.50	72		34
		- unit lower contact starts at 50° to C.A.			Q9262	60.50	61.30	0.80	59		88
61.30	87.60	CHERTY MAFIC MUDSTONE			Q9263	61.30	63.30	2.00	325		236
		- v.f.g. massive to locally brecciated and slumped dark green cherty mafic mudstone									
		- moderately to strongly fractured throughout									
		- fracture planes are coated by white and grey quartz-chalcedony and minor disseminated f.g. pyrite	1-2vol%py								
		- section contains minor disseminated pyrite throughout (much less than light grey mudstone areas)	1-3vol%py								
		- there are several areas where slump marks and fragments are observed									
		- locally crudely banded									
		- not magnetic									
		65.60-67.00 - f.g. tan-brown weakly banded cherty? sandstone	1vol%py		Q9264	65.60	67.00	1.40	36		27
		- contacts are gradational 35 to C.A.									
		- minor haphazard white-grey quartz-chalcedony stockwork									
		68.10-70.20 - f.g. strongly fractured light grey pyritic mudstone	3-5vol%py		Q9265	68.10	70.20	2.10	75		116
		- as above									
		- weak quartz-chalcedony stockwork									
		70.20-73.80 - strong white-grey quartz-chalcedony stockwork			Q9266	70.20	72.00	1.80	70		100
		- minor associated pyrite	1-2vol%py		Q9267	72.00	73.80	1.80	98		99
		- section contains some areas with lcm rounded oolitic-like balls									
		- strong silicified or cherty									
		77.10-80.15 - f.g. strongly fractured light grey cherty pyritic mudstone			Q9268	77.10	78.65	1.55	86		120
					Q9269	78.65	80.15	1.50	70		135

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	
87.60	141.25	- good white-grey quartz-chalcedony stockwork - minor disseminated and fracture-filling pyrite - unit lower contact gradational	1-2vol%py		Q9270	84.00	86.00	2.00	42		157	
		STRONGLY FRACTURED AND BRECCIATED CHERTY PYRITIC MUDSTONE										
		- v.f.g light grey massive to strongly fractured or brecciated cherty pyritic mudstone - as above except very cherty - not magnetic										
		88.55-89.40 - v.f.g dark green cherty mafic mudstone - contacts gradational - strong white grey quartz-chalcedony stockwork throughout section - locally faintly banded to laminated and trending 45° to C.A. - moderate to locally abundant disseminated fractured pyrite	1vol%py		Q9271	89.40	91.40	2.00	28		91	
		92.30-92.35 - white-grey banded quartz-chalcedony vein with abundant black-grey graphite	3-10vol%py		Q9272	91.40	93.40	2.00	21		69	
		94.40-94.45 - white-grey banded quartz-chalcedony breccia vein	2-4vol%graphite		Q9273	94.00	96.00	2.00	66		125	
		95.55-95.60 - white-grey banded quartz-chalcedony vein	1-3vol%py									
		100.15-100.25 - dark grey chalcedony breccia vein trending 80°-90° to C.A.	3vol%py		Q9274	99.00	101.00	2.00	62		88	
			1vol%py		Q9275	102.90	104.90	2.00	130		135	
		105.30-150.70 - f.g. black graphitic mudstone to sandstone - contacts gradational	1vol%py									
		106.00-106.40 - strongly brecciated - graphite coating fracture planes	1vol%py		Q9276	106.00	108.00	2.00	1190		140	

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)		
		- minor disseminated py - mylonitic from 106.30-106.40 - mylonite trends at 45° to C.A.											
		111.00-111.20 - weakly brecciated			Q9277	109.20	111.20	2.00	72			139	
		115.50-116.10 - abundant f.g. disseminated pyrite	25vol%py										
		116.45-116.70 - abundant f.g. disseminated and fracture-filling pyrite	10-15vol%		Q9278	114.70	116.70	2.00	93			259	
		117.10-117.30 - moderate to abundant disseminated and fracture-filling pyrite			Q9279	116.70	118.70	2.00	68			370	
		120.50-120.95 - dark grey chalcedony breccia vein trending 70° to C.A.			Q9280	120.50	122.20	1.70	41			141	
		122.20-122.75 - strong breccia zone - fragments are less than 2cm in diameter and angular - fragments are healed by grey chalcedony material	3vol%py		Q9281	122.20	124.20	2.00	28			67	
		125.55-125.70 - abundant f.g. disseminated bands of pyrite - bands are 1-2cm thick and trend 65° to C.A.	25-30vol%py		Q9282	125.55	127.55	2.00	16			122	
		128.70-131.50 - entire section contains abundant f.g. disseminated and fracture-filling pyrite - strong white-grey quartz-chalcedony stockwork throughout			Q9283 Q9284	128.70 130.70	130.70 132.05	2.00 1.35	118 93			175 231	
		132.05-132.62 - strongly brecciated graphite-pyrite fault gouge	3vol%py										
		136.30-136.45 - massive graphite - abundant white calcite-quartz veinlets and podding	1-2vol%py		Q9285	135.60	137.60	2.00	38			38	



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb) ASSAYS			
From	To					From	To	Length	Au	Ag	Cu (ppm)	
0.00	6.10	Overburden										
6.10	10.05	<u>OXIDIZED SYENITE</u> - m.g. massive pink strongly fractured oxidized syenite (dyke?) - not magnetic - strongly fractured with strong stockwork of white-grey banded quartz-chalcedony veining - veining carries minor disseminated pyrite - there may be a preferential 40° to C.A. trend to veining 8.80-9.05 - intensely silicified and veined 9.45-9.55 - intensely silicified and veined - unit lower contact sharp at 65° to C.A.	1-2vol%py 2-3vol%py									
10.05	19.65	<u>CHLORITE-BIOTITE LATITE TO ANDESITE LITHIC TUFF TO AGGLOMERATE</u> - f-m.g. massive grey-green to dark green chlorite-biotite latite to andesite lithic tuff to agglomerate - fragments vary considerably in size, angularity and in composition - compositionally fragments vary from dominantly f.c.g mafic felsic types (syenite) - some fragments are altered to fuchsite-green mineral - fragments size is greater than 7cm and less than 1mm - section is moderately to strongly magnetic - very minor disseminated pyrite throughout - weakly silicified - occasional white barren to pyrite-bearing quartz veins 16.15-16.30 - f.g. dark pink-brown micaceous syenite to to monzonite dyke - pink muscovite and minor biotite present - minor disseminated py - contacts sharp at 80° to C.A. - unit lower contact sharp at 60° to C.A.	1vol%py 1-2vol%py 1-2vol%py 1vol%py		Q9290	8.55	10.05	1.50	4		5	
					Q9291	16.50	18.50	2.00	42		90	
19.65	23.10	<u>SILICIFIED HORNBLende-FELDSPAR SYENITE DYKE</u>			Q9292	20.50	22.50	2.00	63		8	

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb) ASSAYS			
From	To					From	To	Length	Au	Ag	Cu (ppm)	
23.10	46.75	- f.g. dark orange-brown massive silicified hornblende feldspar syenite dyke - hornblende and feldspar phenocrysts are usually less than 1mm but can be as large as 2mm in diameter - very minor disseminated pyrite - rare white calcite-quartz vein (1-2mm) - unit lower contact sharp at 55° to C.A.	3vol%mt 1vol%py	55°								
		<u>SILICIFIED CHLORTIE-BIOTITE LATITE TO ANDESITE LITHIC TUFF</u> - as above but lithic fragments are less than 2cm in diameter - moderately silicified - moderately biotitic; good 1-3mm books of biotite - not magnetic - minor disseminated pyrite - occasional haphazard white pyrite-bearing white quartz veining	1-3vol%py									
		23.60-23.65 - m-c.g. pink-white monzonite dyke trending 60°-65° to C.A.			Q9293	23.48	25.48	2.00	14		142	
		28.00-28.35 - v.f.g. dark orange-brown silicified syenite dyke trending 35° to C.A. - not magnetic	1vol%py									
		32.55-33.00 - intensely bleached and kaolinitized - some feldspars have altered to fuchsite-green mineral - weak fault gouge			Q9294	31.00	33.00	2.00	18		147	
		34.15-35.10 - strong to intensely silicified	1-2vol%py		Q9295	34.15	36.10	1.95	26		177	
		35.10-35.67 - intensely kaolinitic fault breccia	1vol%py									
		35.67-36.10 - intensely silicified with abundant disseminated and masses of pyrite	5-8vol%py									
		36.10-36.75 - intensely kaolinitic fault breccia - very friable	1vol%py		Q9296	36.10	38.10	2.00	47		141	

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)			ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)		
46.75	57.01	36.75-43.00 - intensely silicified	1-8vol%py		Q9297	38.10	40.10	2.00	45		175		
		- minor to locally abundant disseminated pyrite											
		- occasional 1cm-3cm white-grey banded quartz chalcedony veining	1-2vol%py		Q9298	42.00	44.00	2.00	22		118		
		- weakly kaolinitic											
		44.00-46.75 - intensely silicified and moderate to strongly kaolinitic	1-3vol%py										
		- minor to moderate disseminated pyrite											
		- occasional 1-3mm white quartz vein											
		- unit lower contact gradational			Q9299	44.00	45.25	1.25	75		142		
		<u>INTENSELY BLEACHED-SILICIFIED LATITE TO ANDESITE LITHIC TUFF</u>			Q9300	45.25	46.75	1.50	220		162		
					Q9301	46.75	48.25	1.50	815		165		
		- as above but intensely bleached to white-grey color											
		- may be strongly kaolinitic but strong silicification may have hardened the kaolinite											
		- is not a mudstone as there are numerous remnants of bleached fragments											
		- entire section contains abundant f.g. disseminated and fracture-filling pyrite											
		- section is weakly fractured											
		- ferromagnesium minerals altered to pink sericite?											
		- weak to moderate white-grey banded quartz-chalcedony stockwork	1-3vol%py		Q9302	48.25	49.75	1.50	102		196		
		50.30-50.85 - f-m.g. massive intensely bleached and silicified syenite?dyke	1-2vol%py										
		- contacts sharp and trending 50° to C.A.											
		51.95-52.10 - 3cm wide white-grey banded quartz-chalcedony vein trending 10° to C.A.			Q9303	49.75	51.25	1.50	78		166		
		- abundant associated pyrite			Q9304	51.25	52.75	1.50	27		214		
			5-10vol%py										
		54.10-54.60 - strongly brecciated			Q9305	52.75	54.10	1.35	46		205		
		- fragments are healed by grey chalcedony			Q9306	54.10	55.60	1.50	50		134		
		- minor associated disseminated py	1-3vol%py		Q9307	55.60	57.01	1.41	41		107		



METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(pph) Au	Ag	Cu (ppm)		
57.01	69.65	56.20-56.35 - well banded white-grey quartz chalcedony vein trending 50-55° to C.A. - minor to moderate associated pyrite forming along edges and in central core - unit lower contact gradational	1-4vol%py		Q9308	57.01	59.01	2.00	18		141		
		<u>SILICIFIED AND WEAKLY BLEACHED LATITE TO ANDESITE LITHIC TUFF</u> - as above but weakly bleached and strongly silicified - lithic fragments still present but less frequent - color of rock is now whitish green to dark green (less altered areas) - weak to moderately fractured - numerous 1-2mm to 2cm banded white-grey quartz-chalcedony veining - veining as haphazard but there may be a general 45° C.A. trend - section contains minor disseminated pyrite	1-4vol%py		Q9309	60.06	62.06	2.00	44		108		
69.65	79.70	60.45-60.48 - banded white-grey quartz-chalcedony veining trending 55° to C.A.			Q9310	63.60	65.60	2.00	405		137		
		60.73-60.76 - banded white-grey quartz-chalcedony veining trending 45° to C.A.			Q9311	65.60	66.90	1.30	112		147		
		65.60-66.90 - intensely bleached and silicified latite-andesite lithic tuff - moderately fractured - abundant f.g. disseminated and fracture-filling pyrite - minor white-grey quartz-chalcedony veining - contacts gradational	5-8vol%py		Q9312	66.90	68.90	2.00	35		86		
		- unit lower contact sharp at 20° to C.A.											
		<u>SILICIFIED HORNBLENDE-FELDSPAR SYENITE</u> - m.g. massive dark orange-brown silicified hornblende-feldspar pyrite - many of the hornblendes and feldspars are moderately altered to chlorite			Q9313	69.65	71.65	2.00	38		89		
					Q9314	75.31	77.31	2.00	25		41		

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PROPERTY VEGA

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)	
96.30	98.00	- moderate stockwork of white quartz veinlets	1-8vol%py		Q9323	90.95	92.30	1.35	150		102	
		- occasional white-grey banded quartz-chalcedony			Q9324	92.30	94.30	2.00	215		71	
		- veins as from 91.90-92.70, 93.15-93.35, 94.10-94.35, 95.50-95.60			Q9325	94.30	96.30	2.00	230		29	
		- unit lower contact sharp but very irregular			Q9326	96.30	98.00	1.70	14		97	
98.00	106.90	<u>STRONGLY SILICIFIED BLEACHED PYRITIC MUDSTONE</u>	2-5vol%py									
		- f.g light tan-brown-grey strongly silicified bleached pyritic mudstone										
		- strongly fractured										
		- abundant f.g. disseminated pyrite coating fractures										
98.00	106.90	- finely laminated from 96.30-96.90	2-8vol%py									
		97.50-98.00 - white-grey vuggy quartz-chalcedony stockwork breccia										
		- minor associated pyrite										
		- unit lower contact sharp and slightly irregular at 60° to C.A.										
98.00	106.90	<u>INTENSELY BLEACHED-SILICIFIED LATITE TO ANDESITE LITHIC TUFF</u>	2-8vol%py									
		- as above										
		- numerous less than 2mm rounded bleached fragments										
		- strongly silicified										
98.00	106.90	- intensely bleached										
		- moderately kaolinitic										
		- minor to locally abundant disseminated and fracture-filling pyrite										
		- weak to locally strong white-grey banded quartz-chalcedony			Q9327	98.00	100.00	2.00	101		71	
98.00	106.90	- strong quartz-chalcedony stockwork from 98.55-98.80, 101.80-102.70	2-8vol%py		Q9328	100.00	101.80	1.80	245		27	
		- unit lower contact sharp at 45° to C.A.			Q9329	101.80	102.80	1.00	25		41	
					Q9330	102.80	104.80	2.00	87		50	
					Q9331	104.80	106.90	2.10	9		108	
106.90	108.54	<u>MARIPOSITE?-RICH LATITE? LITHIC TUFF?</u>										
		- f-m.g. massive light grey mariposite-rich latite? lithic tuff (intermediate dyke?)										
106.90	108.54	- abundant generally rounded lithic fragments of f.g. pink syenite? hornblende granite? intermediate volcanic in a feldspar-rich latite groundmass										

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS		
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)
108.54		- many fragments are altered to fuchsite-green mariposite? - feldspars are euhedral (1mm X 3mm) - moderately biotitic - very minor disseminated pyrite - as magnetic - minor haphazard white quartz veining E.O.H.	1volZpy		Q9332	106.90	108.54	1.64	10		8

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		ASSAYS		
From	To					From	To	Length	Au	Ag	Cu (ppm)		
0.00	7.80	Overburden											
7.80	12.00	<u>SILICIFIED OXIDIZED FELDSPAR SYENITE?DYKE</u> - f-m.g. massive light grey silicified and oxidized feldspar syenite?dyke - abundant 1 X 3mm euhedral white feldspars - strongly silicified - no lithic fragments - not magnetic - minor disseminated pyrite - moderate white quartz vein (1mm to 4mm) stockwork - minor v.f.g. speckled black hematite - unit lower contact brecciated	1-2vol%py										
12.00	14.90	<u>STRONGLY SILICIFIED-VEINED FAULT BRECCIA</u> - section consists of variably sized brecciated syenite and mudstone-sandstone fragments healed by white-grey silica and later re-brecciated with good white-grey quartz-chalcedony stockwork - moderate to abundant disseminated and fracture-filling pyrite and graphite - strongly bleached silicified - unit lower contact sharp at 15° to C.A.	3-8vol%py			Q9333	10.00	12.00	2.00	13		93	
						Q9334	12.00	13.50	1.50	81		226	
						Q9335	13.50	14.90	1.40	52		288	
14.90	16.25	<u>STRONGLY SILICIFIED SANDSTONE</u> - v.f.g.-f.g. light grey to red-brown massive to finely finely laminated sandstone - granular texture - strongly silicified - not magnetic - very minor disseminated pyrite 15.75-15.90 - f-m.g. red-brown silicified feldspar syenite dyke or fragments - laminations trend 20° to C.A. - unit lower contact gradational	1-3vol%py 1vol%py			Q9336	14.90	16.25	1.35	170		389	



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	
		21.10-23.25 - f.g. dark green massive hornblende latite-andesite lithic tuff - unaltered to weakly altered - becoming more altered towards bottom of section - bottom of section marked by well banded white-grey quartz chalcedony vein	1-3vol%py									
		26.55-27.45 - m-c.g. light grey equigranular quartz-feldspar mudstone? - contacts sharp but very irregular	3vol%py		Q9339	23.25	25.25	2.00	1		202	
					Q9340	26.55	28.55	2.00	24		142	
					Q9341	28.55	30.40	1.85	8		142	
		29.90-29.95 - m-c.g. quartz-feldspar sandstone? 30.40-30.60 - dark red-brown fault gouge 30.80-31.10 - m-c.g. quartz-feldspar sandstone? - contacts sharp but very irregular	1vol%py 3vol%py		Q9342	30.60	32.45	1.85	15		94	
		32.45-32.85 - well banded white-grey pyritic quartz-chalcedony vein trending 10° to C.A.			Q9343	32.45	34.00	1.55	20		49	
		- unit lower contact sharp at 50° to C.A.										
34.00	38.50	<u>QUARTZ FELDSPAR SANDSTONE TO MUDSTONE</u> - f-m.g. light grey quartz-feldspar sandstone intercalated with v.f.g. tan brown massive to strongly fractured pyritic mudstone - quartz-feldspar grains are angular to rounded and are held together by v.f.g. tan-brown mudstone matrix - mudstone is locally finely laminated - section is dominantly mudstone except from 34.00-35.85 where it is more sandstone rich - poor quartz-chalcedony stockwork in sandstone but strong in mudstone - good 3cm banded white-grey quartz-chalcedony vein trending 20° to C.A. from 36.00-36.20 - mudstone contains minor to moderate disseminated and fracture filling pyrite	1-5vol%py		Q9344	34.00	35.85	1.85	7		48	
					Q9345	35.85	37.15	1.30	8		46	
					Q9346	37.15	38.50	1.35	3		46	



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To					From	To	Length	Au	Ag		
		- as above - massive to finely laminated from 46.40-49.00 and then highly contorted to brecciated from 49.00-55.96 (numerous contorted finely laminated fragments) - strongly fractured - minor to locally abundant f.g. disseminated and fracture-filling py - moderate to strong white-grey banded quartz-chalcedony stockwork	2-6vol%py		Q9351	46.40	48.50	2.10	79		67	
		47.60-47.75 - f-m.g. intensely bleached and silicified syenite?dyke - contact sharp at 55° to C.A.	3vol%py									
		48.50-48.65 - f.g. dark green massive hornblende andesite dyke? (lapilli tuff?)	1vol%py									
		49.00-49.10 - f-m.g. intensely bleached and silicified syenite?dyke - contacts sharp but very irregular	3vol%py									
		49.50-49.75 - abundant well banded white-grey quartz-chalcedony veining	3-6vol%py		Q9352 Q9353	49.20 51.20	51.20 52.40	2.00 1.20	18 4		62 98	
		50.33-50.40 - f-m.g. intensely bleached and silicified syenite?dyke contacts gradational	1vol%py									
		52.40-53.45 - f.g. massive feldspar latite? tuff? - weakly bleached - contacts sharp at 65° to C.A.	1vol%py		Q9354 Q9355	53.45 54.70	54.70 55.96	1.25 1.26	1 4		84 91	
		- unit lower contact sharp at 55° to C.A.										
55.96	59.40	SILICIFIED FELDSPAR SYENITE			Q9356 Q9357	55.96 57.66	57.66 59.40	1.70 1.74	21 72		92 100	



METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(ppb)	Au	Ag	Cu ppm	
59.40	74.90	- as above											
		- some sections look more tuffaceous and mafic as from 58.40-59.40											
		- numerous 1cm to 2cm well banded white-grey quartz-chalcedony quartz veins	1-5vol%py										
		- minor disseminated pyrite	1-3vol%py										
		- unit lower contact broken but sharp											
		SILICIFIED-CHLORITIC HORNBLende TRACHYTE TO ANDESITE LAPILLI			Q9358	59.40	61.40	2.00	31		61		
		TUFF											
		- f.g. massive dark green black silicified chloritic hornblende trachyte to andesite lapilli tuff											
		- frequent gradational compositional change from andesite to trachyte											
		- minor disseminated pyrite	1-3vol%py										
- weak white quartz vein stockwork													
- not magnetic													
- moderately silicified													
		61.70-61.85 - v.f.g. banded and coated orange aplite?dyke			Q9359	61.40	63.40	2.00	32		122		
		- contacts sharp and irregular											
		- strongly bleached and kaolinitic in either side for 30-50cm											
		62.35-63.15 - fault gouge			Q9360	63.40	65.10	1.70	19		214		
					Q9385	65.10	67.10	2.00	16		161		
		66.80-67.30 - excellent vuggy banded agate											
		- white to grey to purple silica from border to core											
		- office sample take											
		- minor associated pyrite	1-3vol%py		Q9361	67.10	69.10	2.00	10		196		
					Q9362	69.10	70.80	1.70	9		251		
		69.10-70.80 - f-m.g. light grey-orange intensely silicified and veined andesite lapilli tuff? (syenite?)											
		- euhedral white feldspars in v.f.g bleached groundmass gives appearance of plutonic texture											



METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(ppb)				
									Au	Ag	Cu (ppm)		
		- very strongly white and grey quartz-chalcedony stockwork - minor to moderate disseminated pyrite 71.30-71.05 - f.g. bright orange silicified feldspar syenite dyke - contact sharp at 85° to C.A. 74.10-74.50 - f.g. bright orange silicified feldspar syenite dyke - contains a 1cm wide py-rich white-grey quartz chalcedony vein trending 30° to C.A. - upper contact gradational but lower contact sharp at 35° to C.A. - unit lower contact sharp at 60° to C.A.	1-3vol%py										
74.90	76.40	SILICIFIED QUARTZ-FELDSPAR SANDSTONE - as above - minor white-grey banded quartz-chalcedony veining - pebbles are up to 2mm in size - light orange color - very minor disseminated pyrite - unit lower contact abruptly gradational at 20° to C.A.	1vol%py		Q9363	72.50	74.50	2.00	28			339	
76.40	100.95	STRONGLY FRACTURED CHERTY PYRITIC MUDSTONE - v.f.g massive to strongly fractured dark green-grey to tan-brown cherty pyritic mudstone - as above - moderate to locally abundant disseminated and fracture-filling pyrite - moderate to strong white-grey banded quartz-chalcedony stockwork throughout - veins are 1mm to rarely 1cm in width - mudstone is locally thinly laminated to banded trending 30° to C.A.			Q9364 Q9365 Q9366 Q9367 Q9368 Q9369 Q9370 Q9371 Q9372 Q9373 Q9374 Q9375	76.40 78.40 80.40 82.40 84.40 86.40 88.40 90.40 92.40 94.40 96.40 98.40	78.40 80.40 82.40 84.40 86.40 88.40 90.40 92.40 94.40 96.40 98.40	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 1.30	2 15 9 16 11 3 12 6 2 17 3 9		121 122 61 51 85 103 85 88 139 111 112 120		

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			(ppb)		ASSAYS	
From	To					From	To	Length	Au	Ag	Cu (ppm)	
		76.40-81.00 - v.f.g. dark green-grey mafic mudstone - finely laminated			Q9376	99.70	100.95	1.25	7		100	
		89.50-90.40 - strong banded white-grey quartz-chalcedony veining - agate-like	1-2vol%py									
		- unit lower contact sharp at 55° to C.A.										
100.95	118.48	<u>SILICIFIED CHLORITIC ANDESITE LITHIC TUFF TO AGGLOMERATE</u>										
		- f-c.g. tan-brown to dark-green-black silicified chloritic andestie lithic tuff to agglomerate - weak to moderately silicified - not magnetic - minor disseminated pyrite and chalcopryrite	1-3vol% py,cp		Q9377	100.95	103.05	2.10	10		118	
		100.95-103.05 - strongly bleached? tan-brown andesite lithic to agglomerate - mudstone matrix? - numerous fragments have altered to fuchsite- green mariposite?			Q9378	103.05	104.75	1.70	8		49	
		- fragments vary considerably in size composition and angularity; there are fragments from sedimentary (mudstone) to igneous (hornblende granite) to volcanic composition in a dominantly andesite groundmass - fragment size is greater than 20 cm at times - weak to moderate white to grey banded quartz-chalcedony stockwork; veins are up to 2-3cm but generally less than 3mm	1-2vol%py									
		104.75-105.20 - 2-3cm wide banded white-grey pyritic quartz-chalcedony vein to trending 20° to C.A.	cp?		Q9379	104.75	105.75	1.00	17		88	
		109.65-109.75 - banded white-grey pyritic quartz chalcedony vein trending 55° to C.A.	5vol%py		Q9380	108.84	110.34	1.50	15		89	
					Q9381	110.34	111.84	1.50	4		63	



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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)		
		117.40-118.48 - strongly bleached? tan brown andesite lithic tuff to agglomerate? - mudstone matrix? - numerous fragments have been altered to fuchsite-green mariposite? - unit lower contact sharp at 75° to C.A.	1-3vol%py		Q9382	115.70	117.20	1.50	22		36		
118.48	124.70	<u>SILICIFIED PYRITIC MUDSTONE</u> - v.f.g. light grey massive to weakly fractured and pyritic mudstone - very minor disseminated and fracture-filling pyrite - strongly silicified - very minor white quartz veining	1-2vol%py		Q9383	118.48	120.48	2.00	4		84		
			1vol%py		Q9384	122.70	124.70	2.00	12		87		
124.70		E.O.H.											

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(ppb)				
									Au	Ag	Cu (ppm)		
0.00	5.20	Overburden											
5.20	124.30	<u>SILICIFIED CHLORITE ANDESITE LITHIC TUFF TO AGGLOMERATE</u>											
		- f.g. massive dark green black silicified chlorite andesite lithic tuff to agglomerate											
		- lithic fragments are of mafic and intermediate volcanic composition as well as syenitic composition											
		- fragments are rounded to angular and vary in size from less than 0.5cm to greater than 7cm											
		- moderate to strongly silicified											
		- minor to locally moderate disseminated and rarely fracture-filling pyrite	1-4vol%py										
		- strongly magnetic	4-5vol%mt										
		7.15-8.90 - v.f.g. cherty andesite flow? or sediment			Q9386	7.15	8.90	1.75	10			35	
		- contorted laminations			Q9387	8.90	10.90	2.00	12			179	
		- occasional less than 1cm white pyrite-bearing to rich quartz veins	2-4vol%py		Q9388	15.00	17.00	2.00	18			90	
					Q9389	17.00	18.50	1.50	11			30	
		17.00-25.75 - f.g. light grey-green massive to finely laminated mafic sediment?											
		- laminations trend at 10° to C.A.											
		- intensely bleached and weak to moderately kaolinitic from 18.50-24.00			Q9390	18.50	20.50	2.00	36			104	
		- moderate to abundant associated disseminated pyrite	3-10vol%		Q9391	20.50	22.50	2.00	49			18	
					Q9392	22.50	24.00	1.50	240			13	
		- lower contact sharp and very irregular			Q9393	24.00	25.75	1.75	410			145	
		25.75-27.00 - f.g. massive orange-brown silicified hornblende syenite dyke											
		- strongly silicified											
		- weak epidote alteration of hornblendes											
		- strongly magnetic	3-5vol%										
		- minor disseminated pyrite	1vol%py										
		- frequent 1cm rounded andesite lithic tuff? fragments											

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METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS				
From	To					From	To	Length	(pph) Au	Ag	Cu (ppm)		
		55.00-56.40 - minor fracture filling py,cp	1-2vol% py,cp		Q9403	55.00	57.00	2.00	94		1715		
					Q9404	57.00	59.00	2.00	48		481		
		61.90-63.50 - minor to moderate white-grey banded quartz-chalcedony veining trending haphazardly			Q9405	61.90	63.90	2.00	31		371		
					Q9406	66.00	68.00	2.00	149		1079		
					Q9407	68.00	70.00	2.00	21		164		
		67.20-69.80 - moderate pyrite-bearing white quartz stockwork	1-2vol%py										
		70.30-70.60 - f.g. hornblende syenite dyke	1-2vol% py,cp										
		72.15-72.50 - f.g. hornblende syenite dyke - moderate fracture-filling py,cp - contacts sharp at 85° to C.A.	2vol%py, cp										
		73.15-77.50 - weak to moderate pyrite-bearing white quartz stockwork	1-2vol% py,cp		Q9408	73.15	75.15	2.00	830		950		
					Q9409	75.15	76.35	1.20	69		194		
		- f.g. hornblende syenite from 75.50-75.70			Q9410	76.35	77.50	1.15	107		223		
		83.00-87.50 - weak pyrite-bearing white grey quartz-chalcedony stockwork	1-2vol% py,cp		Q9411	83.00	85.00	2.00	105		243		
					Q9412	85.00	86.00	1.00	250		1100		
		- moderate chalcopyrite at times as at 85.60			Q9413	86.00	87.50	1.50	470		2150		
		88.75-89.45 - f.g. hornblende syenite dyke - minor veining along contacts	1-2vol%py										
		89.43-93.40 - section is moderately fractured with white quartz, pyrite and chalcopyrite coating fracture planes resulting in a moderate sulphide-quartz stockwork	1-4vol% py,cp		Q9414	89.45	90.95	1.50	1540		2723		
					Q9415	90.95	92.45	1.50	210		495		
		- fault gouge from 91.30-91.50, 92.10-92.45			Q9416	92.45	93.40	0.95	380		1163		
					Q9417	93.40	95.40	2.00	115		520		
		96.04-100.35 - weak to moderately fractured with minor quartz, pyrite and chalcopyrite coating fracture planes	1-2vol% py,cp		Q9418	96.04	98.04	2.00	540		1537		
					Q9419	98.04	99.09	1.05	630		1456		
		- quartz-andesite-syenite breccia zone from 98.55-99.09 trending 35° to C.A.	1vol%py cp		Q9420	99.09	100.35	1.36	450		604		
		- lower contact sharp at 85° to C.A.											

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS		
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)
		100.35-101.90 - f.g. hornblende syenite dyke - as above - strongly magnetic - very minor disseminated py	3-4vol% mt 1vol%py		Q9421	100.35	101.90	1.55	440		428
		106.55-106.70 - banded white-grey quartz-chalcedony vein trending 30° to C.A.			Q9422	105.00	107.00	2.00	82		323
		111.60-111.85 - intensely bleached whitish grey-orange andesite lithic tuff with abundant white and grey quartz-chalcedony veining trending 70-75° to C.A. - moderate associated pyrite chalcopryrite			Q9423	110.50	112.00	1.50	164		593
		112.00-124.30 - moderately fractured with quartz pyrite, chalcopryrite coating fractures - occasional lcm white-grey - banded quartz-chalcedony vein - strongly pyritized-brecciated white-grey banded quartz-chalcedony veins from 115.35-115.55, 118.35-118.40, 119.35-119.70, 119.90-120.10	5vol%py, cp 1-2vol% py,cp		Q9424	112.00	113.50	1.50	31		284
					Q9425	113.50	115.00	1.50	146		314
					Q9426	115.00	117.00	2.00	300		594
					Q9427	117.00	119.00	2.00	42		243
					Q9428	119.00	120.50	1.50	197		325
					Q9429	120.50	122.50	2.00	41		296
					Q9430	122.50	124.30	1.80	64		334
		- unit lower contact sharp at 70° to C.A.									
124.30	132.00	SILICIFIED FELDSPAR SYENITE									
		- f-m.g. massive orange-brown silicified feldspar syenite - abundant euhedral (1mm x 2mm) white feldspar gives the rock a spotty texture - not magnetic - weakly fractured - quartz, pyrite and minor chalcopryrite have coating fracture planes resulting in a poor to locally strong stockwork									
		125.40-126.20 - strong banded white-grey quartz chalcedony	2-5vol% py,cp		Q9431	125.40	127.40	2.00	25		18

METERAGE		DESCRIPTION	% MINERALIZ.	% CORE	SAMPLE No.	METERAGE			ASSAYS			
From	To					From	To	Length	(ppb) Au	Ag	Cu (ppm)	
		126.40-126.95 - strong banded white-grey quartz-chalcedony stockwork	1-3vol%py cp									
		128.00-129.60 - syenite has very few white euhedral feldspar (trachyte tuff?)			Q9432	128.55	130.55	2.00	24		144	
		129.60-130.55 - abundant white euhedral feldspar - minor associated quartz-chalcedony veining trending 55° to C.A. with abundant associated py, cp	5vol%py, cp		Q9433	130.55	132.00	1.45	30		92	
		130.55-132.00 - again syenite has few white euhedral feldspar (hornblende trachyte tuff?) - quartz-chalcedony syenite breccia from 131.60-131.70 - unit lower contact broken										
132.00	145.43	SILICIFIED CHLORITE ANDESITE LITHIC TUFF TO AGGLOMERATE										
		- as above										
		133.60-134.15 - fault gouge										
		136.28-136.70 - strongly bleached - abundant disseminated and stronger pyrite trending 50° to C.A.	20vol%py		Q9434	134.90	136.90	2.00	250		41	
		136.90-138.00 - f-m.g. silicified feldspar syenite - abundant euhedral white feldspars - minor to moderate white-grey banded quartz-chalcedony stockwork	1-2vol% py		Q9435	136.90	138.00	1.10	46		28	
		*138.00-139.40 - intensely bleached and silicified andesite lithic tuff? (syenite) - moderate to strong white-grey banded quartz-chalcedony stockwork	3-5vol% py		Q9436	138.00	139.40	1.40	116		171	

[illegible]

APPENDIX 4

Vega Rock Assay Results

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: OCT 5 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *Oct. 12/88.*

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: *C. Long*... D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CANMINE DEVELOPMENT CO. INC. FILE # 88-5012

SAMPLE#	Cu PPM	Ag PPM	Au* PPB	Δ	WIDTH	DRIVE
P 5695	4208	3.6	1370	4+7	3'	3500
P 5696	1071	.9	295	8+6	2' R	3500
P 5697	1615	1.7	275	8+3	3' L	3500
P 5698	315	.4	520		GRAB	3504 SOFT
P 5699	1069	1.2	172	15+15	5' R	3504 D
P 5700	705	.6	375	15+15	3' L	3504
STD C/AU-R	60	7.0	515			

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPE
Q-9651	4232	5	91	3.6	10	1365 STA#8 6-8 FT R.S.
Q-9652	914	2	45	1.1	87	630 3500 FT FACE
Q-9653	3976	3	74	3.2	9	1705 STA#8 0-2 FT R.S.
Q-9654	478	3	46	.6	22	210 STA#13 4E FACE
Q-9655	12995	7	315	11.3	25	9050 STA#8 2-5 FT R.S.
Q-9656	1504	4	60	1.5	53	750 Bottom of RAISE
STD C	58	36	132	7.1	41	-

29 Rock Samples

30 6 3 1 1 0
11 6 6 6 6 6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA

Acme file # 88-2045 Page 9 Received: JUN 17 1988

ELEMENT SAMPLES	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
VR-R-1	35	9	63	0.1	9	1
VR-R-2	60	6	46	0.4	7	1
VR-R-3	168	9	40	0.1	7	1
VR-R-4	43	4	36	0.1	9	1
VR-R-5	14	6	38	0.1	5	2
VR-R-6	52	11	26	0.1	7	1
VR-R-7	52	6	28	0.1	7	13
VR-R-8	59	6	23	0.1	34	5
VR-R-9	117	4	35	0.1	28	34
VR-R-10	86	9	63	0.1	2	1
VR-R-11	132	8	25	0.1	6	2
VR-R-12	309	8	12	0.1	2	3
VR-R-13	103	5	31	0.1	7	1
VR-R-14	357	5	42	0.2	16	2
VR-R-15	114	7	27	0.2	15	6
VR-R-16	53	7	24	0.1	6	1
VR-R-17	238	8	17	0.1	6	4
VR-R-18	201	8	14	0.2	8	5
VR-R-19	69	5	19	0.2	41	7
VR-R-20	9964	11	86	8.8	15	455
VR-R-21	74	8	59	0.1	60	21
VR-R-22	106	10	79	0.1	2	2
VR-R-23	148	8	50	0.2	6	2
VR-R-24	74	8	47	0.2	6	1
VR-R-25	94	8	248	0.3	6	1
VR-R-26	70	9	69	0.2	45	2
VR-R-27	47	8	53	0.2	45	1
VR-R-28	70	9	50	0.1	34	2
VR-R-29	23	7	63	0.1	26	8
STD C/AU-R	57	41	132	6.6	39	490

679 Core Samples

37 6 3 1 1 0
11 6 6 6 6 6 6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMNET CO. INC. PROJECT-VEGA

Acme file # 88-2045 Page 1 Received: JUN 17 1988 * 291 samples in

ELEMENT SAMPLES	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
VD-1-1	641	6	62	1.0	5	31
VD-1-2	369	3	62	0.6	2	33
VD-1-3	473	2	32	0.7	9	43
VD-1-4	192	4	47	0.5	10	26
VD-1-5	482	6	38	0.8	8	49
VD-1-6	683	2	53	0.8	3	138
VD-1-7	681	2	43	0.8	3	61
VD-1-8	475	3	31	0.5	5	52
VD-1-9	220	2	53	0.5	3	15
VD-1-10	615	4	62	1.0	10	58
VD-1-11	269	2	48	0.6	4	14
VD-1-12	324	7	49	0.6	5	16
VD-1-13	379	4	51	0.8	4	32
VD-1-14	531	2	54	0.8	33	39
VD-1-15	362	8	45	0.5	7	10
VD-1-16	264	6	50	0.8	11	13
VD-1-17	410	2	43	0.4	3	28
VD-1-18	941	3	43	0.6	11	81
VD-1-19	623	4	45	0.5	3	62
VD-1-20	1190	3	44	1.7	3	250
VD-1-21	194	2	60	0.6	2	10
VD-1-22	132	3	58	0.3	5	11
VD-1-23	173	2	52	0.5	2	8
VD-1-24	400	4	47	0.6	2	18
VD-1-25	275	3	46	0.3	2	9
VD-1-26	263	3	40	0.4	3	12
VD-1-27	337	4	36	0.4	4	11
VD-1-28	1860	6	62	1.3	152	205
VD-1-29	2697	3	51	2.3	10	137
VD-1-30	685	2	53	0.8	4	47
VD-1-31	546	2	29	0.8	19	32
VD-1-32	95	2	34	0.5	5	49
VD-1-33	591	3	33	0.8	4	28
VD-1-34	503	2	30	0.6	4	30
VD-1-35	643	3	33	0.9	3	22
VD-1-36	956	4	40	0.9	5	71
STD C/AU-R	59	36	132	6.8	41	510

37 6 3 1 1 0
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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA

Acme file # 88-2045 Page 2 Received: JUN 17 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
VD-1-37	2457	5	41	1.8	6	260
VD-1-38	967	2	55	0.7	2	84
VD-1-39	1017	2	51	0.8	2	91
VD-1-40	700	4	36	0.4	5	49
VD-1-41	678	2	43	0.3	6	52
VD-1-42	1111	4	68	0.8	2	107
VD-1-43	1717	2	68	1.3	2	141
VD-1-44	608	8	55	0.6	2	59
VD-1-45	1313	3	41	1.2	9	320
VD-1-46	2806	2	40	2.5	25	545
VD-1-47	2402	2	54	2.1	2	480
VD-1-48	494	2	35	0.3	25	39
VD-1-49	129	2	40	0.1	3	62
VD-1-50	120	2	34	0.1	9	1
VD-1-51	109	3	37	0.1	3	23
VD-1-52	242	10	52	0.1	2	5
VD-1-53	432	2	31	0.4	2	97
VD-2-1	351	2	41	0.2	16	24
VD-2-2	781	4	56	1.1	181	73
VD-2-3	547	3	45	0.3	39	36
VD-2-4	62	8	37	0.1	30	21
VD-2-5	40	3	27	0.1	4	2
VD-2-6	71	2	37	0.2	2	1
VD-2-7	44	4	35	0.1	3	1
VD-2-8	67	3	32	0.1	10	3
VD-2-9	153	4	44	0.1	11	1
VD-2-10	59	2	43	0.1	4	1
VD-2-11	144	5	69	0.2	21	21
VD-2-12	136	3	56	0.1	16	27
VD-2-13	122	10	73	0.3	10	115
VD-2-14	72	2	50	0.1	8	10
VD-2-15	110	3	48	0.2	32	29
VD-2-16	70	8	47	0.4	33	39
VD-2-17	25	4	62	0.1	23	26
VD-2-18	77	6	47	0.2	90	24
VD-2-19	76	7	42	0.1	88	27
STD C/AU-R	60	37	132	6.7	41	480

37 6 3 1 1 0
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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA

Acme file # 88-2045 Page 3 Received: JUN 17 1988

ELEMENT SAMPLES	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
VD-2-20	131	8	38	0.1	26	11
VD-2-21	150	2	43	0.1	72	6
VD-2-22	34	3	37	0.1	8	8
VD-2-23	126	3	46	0.1	2	5
VD-2-24	245	3	49	0.2	2	4
VD-2-25	161	2	44	0.1	2	2
VD-2-26	84	7	39	0.1	2	1
VD-2-27	147	3	47	0.1	2	1
VD-2-28	94	6	42	0.1	2	2
VD-2-29	109	2	34	0.1	27	2
VD-2-30	141	2	40	0.1	2	1
VD-2-31	152	2	51	0.1	2	1
VD-2-32	123	3	40	0.2	39	32
VD-2-33	204	3	52	0.3	30	29
VD-2-34	449	2	53	0.3	13	34
VD-2-35	157	3	40	0.1	4	5
VD-2-36	196	6	61	0.1	6	30
VD-2-37	135	2	60	0.1	3	19
VD-2-38	281	3	39	0.3	26	2
VD-2-39	185	2	42	0.3	12	66
VD-2-40	97	2	38	0.2	12	13
VD-2-41	87	2	45	0.1	4	16
VD-2-42	528	4	51	0.1	4	67
VD-2-43	547	5	54	0.4	12	72
VD-2-44	294	2	55	0.1	4	44
VD-2-45	690	2	51	0.2	2	52
VD-2-46	837	5	36	0.3	8	86
VD-2-47	462	2	44	0.5	12	37
VD-2-48	127	2	36	0.2	4	6
VD-2-49	81	4	32	0.2	7	7
VD-2-50	159	5	33	0.2	2	59
VD-2-51	65	108	39	0.3	7	36
VD-2-52	6	110	41	0.1	5	9
VD-2-53	13	140	38	0.1	12	4
VD-2-54	348	3	39	0.3	8	43
VD-2-55	363	6	28	0.2	12	28
STD C/AU-R	61	37	132	6.9	42	500

37 6 3 1 1 0
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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA

Acme file # 88-2045 Page 4 Received: JUN 17 1988

ELEMENT SAMPLES	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
VD-2-56	1502	6	66	1.7	9	205
VD-2-57	918	2	60	1.1	6	112
VD-2-58	461	7	60	0.6	8	88
VD-2-59	502	4	51	0.6	7	280
VD-2-60	330	3	58	0.4	6	52
VD-2-61	204	2	51	0.4	5	46
VD-2-62	537	3	51	0.6	7	153
VD-2-63	264	4	50	0.2	8	19
VD-2-64	870	2	43	0.6	6	102
VD-2-65	706	4	56	0.6	20	96
VD-2-66	575	2	50	0.6	17	71
VD-2-67	470	7	41	0.4	41	48
VD-2-68	429	11	56	0.4	13	63
VD-2-69	445	2	45	0.1	70	106
VD-2-70	372	2	50	0.3	52	46
VD-2-71	187	5	47	0.3	7	38
VD-2-72	507	2	52	0.5	26	26
VD-2-73	419	4	50	0.4	6	14
VD-2-74	465	2	56	0.5	13	5
VD-2-75	260	5	41	0.5	139	2
VD-2-76	559	2	50	0.6	7	27
VD-2-77	641	2	60	0.7	13	6
VD-2-78	49	2	46	0.2	11	7
VD-2-79	14	6	49	0.1	8	1
VD-2-80	9	2	41	0.2	7	6
VD-2-81	10	2	58	0.1	6	1
VD-2-82	7	2	47	0.2	8	1
VD-3-1	165	2	56	0.1	13	1
VD-3-2	11	2	41	0.1	11	51
VD-3-3	9	4	48	0.1	8	24
VD-3-4	29	4	40	0.1	10	14
VD-3-5	47	6	45	0.2	20	6
VD-3-6	25	5	51	0.1	11	2
VD-3-7	604	6	57	0.4	58	1
VD-3-8	80	7	44	0.2	18	2
VD-3-9	94	7	41	0.2	9	2
STD C/AU-R	57	42	132	7.1	39	530

37 6 3 1 1 0
11 6 6 6 6 6 6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA

Acme file # 88-2045 Page 5 Received: JUN 17 1988

ELEMENT SAMPLES	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
VD-3-10	52	2	40	0.4	5	4
VD-3-11	29	2	50	0.1	15	810
VD-3-12	97	4	43	0.2	4	11
VD-3-13	112	2	44	0.3	2	2
VD-3-14	32	2	41	0.3	6	1
VD-3-15	28	2	51	0.4	4	1
VD-3-16	59	2	51	0.2	3	1
VD-3-17	50	2	33	0.1	6	2
VD-3-18	130	3	38	0.4	5	1
VD-3-19	11	6	24	0.5	20	113
VD-3-20	98	2	32	0.2	2	12
VD-3-21	280	2	30	0.5	4	31
VD-3-22	129	5	38	0.2	4	7
VD-3-23	132	2	42	0.3	3	1
VD-3-24	233	2	41	0.5	4	8
VD-3-25	111	3	40	0.2	5	1
VD-3-26	272	2	36	0.4	5	1
VD-3-27	249	3	41	0.4	2	1
VD-3-28	48	2	45	0.2	5	5
VD-3-29	75	2	40	0.3	4	30
VD-3-30	13	2	56	0.1	3	2
VD-3-31	56	3	38	0.1	9	8
VD-3-32	74	7	46	0.3	27	159
VD-3-33	111	2	36	0.2	12	2
VD-3-34	10	2	52	0.3	60	178
VD-3-35	8	2	56	0.1	5	3
VD-3-36	92	2	44	0.2	7	18
VD-3-37	68	2	44	0.2	6	32
VD-3-38	147	2	44	0.2	6	21
VD-3-39	169	2	55	0.1	3	2
VD-3-40	106	7	49	0.2	5	1
VD-3-41	37	2	54	0.2	5	1
VD-3-42	75	2	29	0.1	6	1
VD-3-43	205	2	33	0.4	3	2
VD-3-44	90	2	40	0.4	9	41
VD-3-45	212	2	44	0.3	27	108
STD C/AU-R	58	38	132	7.1	40	510

37 6 3 1 1 0

11 6 6 6 6 6 6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA

Acme file # 88-2045 Page 6 Received: JUN 17 1988

ELEMENT SAMPLES	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
VD-3-46	88	2	32	0.1	15	39
VD-3-47	62	2	39	0.1	9	28
VD-3-48	183	2	30	0.1	7	52
VD-3-49	107	2	48	0.2	4	44
VD-3-50	399	2	40	0.6	12	62
VD-3-51	895	4	58	0.6	52	54
VD-3-52	266	3	54	0.3	35	68
VD-3-53	261	6	63	0.4	67	133
VD-3-54	121	2	38	0.1	4	96
VD-3-55	172	2	55	0.5	16	122
VD-3-56	67	7	42	0.4	8	17
VD-3-57	83	5	44	0.5	29	235
VD-3-58	14	2	28	0.2	13	7
VD-3-59	7	2	29	0.6	16	18
VD-3-60	96	2	40	0.5	93	22
VD-3-61	126	2	129	0.4	83	89
VD-3-62	130	2	604	0.4	46	82
VD-3-63	198	2	44	0.1	74	32
VD-3-64	160	2	55	1.1	61	69
VD-3-65	244	2	38	0.6	73	112
VD-3-66	217	3	49	0.6	3	63
VD-3-67	172	5	43	0.2	6	94
VD-3-68	69	2	38	0.4	7	33
VD-3-69	29	2	34	0.1	7	17
VD-3-70	59	2	42	0.1	5	14
VD-3-71	24	5	42	0.2	6	8
VD-3-72	15	2	64	0.2	3	11
VD-3-73	21	2	43	0.2	11	4
VD-3-74	12	2	54	0.2	12	27
VD-3-75	15	3	59	0.2	13	5
VD-3-76	19	2	76	0.1	11	22
VD-3-77	16	8	62	0.1	9	117
VD-3-78	44	2	56	0.3	6	34
VD-3-79	160	2	77	0.4	4	31
VD-3-80	69	5	75	0.2	7	48
VD-3-81	182	2	77	0.2	17	129
STD C/AU-R	59	37	132	6.6	39	520

36 6 3 1 1 0

11 6 6 6 6 6 6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA

Acme file # 88-2045 Page 7 Received: JUN 17 1988

ELEMENT SAMPLES	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
VD-3-82	84	8	46	0.3	15	29
VD-3-83	85	9	55	0.3	6	21
VD-3-84	123	3	62	0.4	8	3
VD-3-85	154	9	57	0.1	5	11
VD-3-86	111	7	58	0.1	8	14
Q 9001	284	3	52	0.4	6	25
Q 9002	120	4	51	0.2	5	22
Q 9003	97	6	47	0.2	6	17
Q 9004	30	2	47	0.1	6	42
Q 9005	24	2	48	0.3	6	12
Q 9006	27	7	46	0.1	5	1
Q 9007	173	10	51	0.2	2	14
Q 9008	340	4	56	0.3	3	54
Q 9009	547	4	51	0.5	2	81
Q 9010	482	4	43	0.7	19	63
Q 9011	216	6	82	0.6	20	43
Q 9012	382	2	57	0.4	2	38
Q 9013	436	7	46	0.5	2	51
Q 9014	798	3	55	0.9	3	94
Q 9015	1589	9	54	1.7	5	550
Q 9016	816	9	52	0.7	3	190
Q 9017	983	3	50	1.0	2	245
Q 9018	620	4	49	0.5	7	82
Q 9019	547	8	52	0.6	12	230
Q 9020	433	5	66	0.5	8	98
Q 9021	426	8	52	0.5	7	60
Q 9022	219	4	51	0.4	3	13
Q 9023	615	7	52	0.7	12	195
Q 9024	754	2	62	0.7	63	225
Q 9025	183	7	57	0.5	65	7
Q 9026	52	4	56	0.1	13	14
Q 9027	124	4	53	0.2	23	18
Q 9028	125	4	47	0.3	17	24
Q 9029	189	5	50	0.3	10	64
Q 9030	101	11	50	0.3	13	61
STD C/AU-R	57	42	132	7.1	38	500

12 6 3 1 1 0

11 6 6 6 6 6 6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA

Acme file # 88-2045 Page 8 Received: JUN 17 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
Q 9031	145	6	48	0.5	8	84
Q 9032	185	6	45	0.6	6	80
Q 9033	523	2	36	0.7	2	240
Q 9034	657	5	35	0.9	4	170
Q 9035	420	6	33	0.7	4	300
Q 9036	614	6	59	0.9	2	135
Q 9037	556	12	52	0.7	3	98
Q 9038	410	3	36	0.3	3	72
Q 9039	331	2	60	0.5	3	110
Q 9040	116	12	43	0.5	3	47
Q 9041	208	2	39	0.2	3	220
STD C/AU-R	63	38	132	7.3	39	515

37 6 3 1 1 0

11 6 6 6 6 6 6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-4859 Page 1 Received: SEP 28 1988 * 65 samples in t

ELEMENT SAMPLES	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9051	89	10	36	0.3	45	18
Q 9052	44	9	27	0.2	18	3
Q 9053	127	5	27	0.2	90	2030
Q 9054	26	6	38	0.1	24	34
Q 9055	49	6	38	0.2	11	44
Q 9056	268	12	49	0.3	14	310
Q 9057	147	2	35	0.2	13	16
Q 9058	264	4	31	0.2	22	34
Q 9059	77	7	28	0.2	25	5
Q 9060	65	4	28	0.2	15	8
Q 9061	172	2	33	0.2	17	5
Q 9062	98	6	33	0.2	14	3
Q 9063	371	8	39	0.3	41	9
Q 9064	229	4	33	0.2	18	11
Q 9065	100	6	31	0.1	22	4
Q 9066	78	2	26	0.2	10	7
Q 9067	64	4	25	0.1	29	2
Q 9068	72	4	24	0.1	16	3
Q 9069	102	5	41	0.1	57	2
Q 9070	192	4	30	0.1	48	7
Q 9071	72	5	32	0.2	15	12
Q 9072	119	7	34	0.2	24	14
Q 9073	406	8	34	0.1	38	16
Q 9074	59	4	27	0.1	30	12
Q 9075	91	5	29	0.1	282	19
Q 9076	146	8	34	0.1	26	11
Q 9077	174	5	36	0.1	38	13
Q 9078	70	6	30	0.1	26	7
Q 9079	72	5	32	0.1	13	6
Q 9080	35	4	24	0.1	35	8
Q 9081	91	3	32	0.1	41	29
Q 9082	87	8	34	0.1	24	9
Q 9083	75	5	30	0.1	26	10
Q 9084	82	7	37	0.1	38	82
Q 9085	462	2	32	1.2	42	240
Q 9086	498	6	34	0.6	40	49
STD C/AU-R	57	44	132	7.0	42	520

30 6 3 1 1 0

11 6 6 6 6 6 6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-4859 Page 2 Received: SEP 28 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
Q 9087	224	7	38	0.2	31	44
Q 9088	102	2	31	0.1	50	51
Q 9089	210	5	26	0.4	23	56
Q 9090	202	4	27	0.2	67	72
Q 9091	344	11	31	0.5	23	71
Q 9092	210	3	25	0.2	11	138
Q 9093	101	4	22	0.2	4	46
Q 9094	133	8	28	0.3	8	26
Q 9095	224	2	25	0.4	15	285
Q 9096	48	8	41	0.5	75	65
Q 9097	140	2	21	0.3	11	25
Q 9098	149	16	19	0.1	23	41
Q 9099	50	4	23	0.1	7	70
Q 9100	97	7	27	0.1	7	11
Q 9101	74	8	21	0.1	17	12
Q 9102	104	3	39	0.2	34	5
Q 9103	142	6	49	0.1	228	3
Q 9104	193	17	30	0.3	25	6
Q 9105	360	12	26	0.3	13	6
Q 9106	100	6	39	0.3	3	1
Q 9107	58	14	31	0.2	6	5
Q 9108	99	5	9	0.1	29	7
Q 9109	51	2	6	0.1	43	10
Q 9110	118	13	28	0.3	31	4
Q 9111	126	9	27	0.2	17	5
Q 9112	261	7	23	2.1	277	74
Q 9113	199	12	26	0.3	54	13
Q 9114	253	7	15	0.1	7	4
Q 9115	297	5	12	0.1	4	13
STD C/AU-R	61	38	132	6.9	40	490

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: SEP 29 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: Oct 7/88

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CANMINE DEVELOPMENT CO. INC. PROJECT VEGA FILE # 88-4866

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9116	332	2	33	.4	14	98
Q 9117	432	2	36	.5	12	23
Q 9118	540	3	30	.7	10	54
Q 9119	400	2	35	.6	14	69
Q 9120	151	4	29	.3	38	72
Q 9121	369	2	29	.3	7	34
Q 9122	214	4	25	.1	11	39
Q 9123	249	2	26	.1	10	48
Q 9124	180	.3	22	.1	10	103
Q 9125	263	8	27	.1	18	315
Q 9126	110	8	24	.1	7	385
Q 9127	196	3	30	.1	14	89
Q 9128	192	2	41	.1	12	53
Q 9129	61	2	28	.1	10	11
Q 9130	75	4	28	.1	14	33
Q 9131	85	2	24	.1	26	54
Q 9132	92	2	32	.1	16	32
STD C/AU-R	58	45	132	7.0	44	515

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: OCT 5 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: Oct 11/88

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: C. Leong. D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CANMINE DEVELOPMENT CO. INC. PROJECT VEGA FILE # 88-5011 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9133	176	37	46	.1	295	177
Q 9134	125	18	39	.1	30	18
Q 9135	88	4	29	.2	16	98
Q 9136	120	12	32	.1	23	43
Q 9137	79	9	34	.1	30	10
Q 9138	136	2	34	.1	16	50
Q 9139	118	7	32	.1	25	51
Q 9140	124	2	35	.1	16	64
Q 9141	95	3	27	.1	53	81
Q 9142	95	2	29	.2	17	32
Q 9143	82	6	24	.2	19	45
Q 9144	81	11	27	.1	33	390
Q 9145	87	2	26	.1	31	44
Q 9146	43	3	24	.1	48	51
Q 9147	96	4	52	.1	39	122
Q 9148	51	4	41	.1	22	40
Q 9149	85	7	44	.1	35	37
Q 9150	79	6	45	.1	39	19
Q 9151	88	4	35	.1	23	12
Q 9152	69	4	29	.2	41	55
Q 9153	95	8	63	.1	14	14
Q 9154	136	3	66	.1	33	16
Q 9155	108	7	51	.1	25	10
Q 9156	39	5	57	.1	26	6
Q 9157	50	2	43	.1	8	23
Q 9158	66	9	45	.1	10	12
Q 9159	93	2	35	.1	14	2
Q 9160	67	2	46	.1	4	18
Q 9161	144	8	32	.1	24	4
Q 9162	112	6	33	.1	24	13
Q 9163	73	2	33	.2	17	5
Q 9164	232	7	57	.1	25	34
Q 9165	931	8	48	.3	70	250
Q 9166	884	2	61	.5	84	660
Q 9167	492	10	47	.1	85	152
Q 9168	369	4	42	.5	267	220
STD C/AU-R	57	41	132	7.2	37	520

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9169	161	7	47	.2	364	75
Q 9170	261	3	45	.4	461	123
Q 9171	187	7	46	.3	226	56
Q 9172	226	8	52	.1	589	37
Q 9173	311	4	57	.5	21	42
Q 9174	283	2	43	.4	119	99
Q 9175	929	19	55	.6	33	93
Q 9176	22	2	38	.3	6	20
Q 9177	304	10	68	.3	13	51
Q 9178	198	18	54	.3	11	106
Q 9179	367	8	55	.3	16	58
Q 9194	12	10	32	.1	12	13
Q 9195	11	7	37	.1	18	6
Q 9196	9	11	25	.1	17	94
Q 9197	11	7	26	.1	27	68
Q 9198	35	7	23	.1	12	28
Q 9199	11	5	24	.1	12	26
Q 9200	87	12	33	.1	18	24
Q 9201	208	30	80	.6	36	19
Q 9202	73	9	60	.1	29	12
Q 9203	68	11	81	.2	5	1
Q 9204	140	11	153	.3	21	4
Q 9205	65	16	46	.1	15	10
Q 9206	41	10	36	.1	10	2
Q 9207	112	11	94	.1	11	14
Q 9208	162	11	85	.1	9	3
Q 9209	519	6	75	.3	146	10
Q 9210	165	11	63	.1	71	4
Q 9211	193	11	81	.1	65	25
Q 9212	119	9	160	.3	89	8
Q 9213	101	15	138	.3	57	3
Q 9214	122	8	185	.2	126	22
Q 9215	88	6	112	.1	54	6
Q 9216	143	5	36	.1	170	114
Q 9217	119	6	30	.1	47	38
Q 9218	52	5	24	.1	29	43
STD C/AU-R	63	41	132	6.9	39	490

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	AS PPM	Au* PPB
Q 9219	194	2	21	.1	57	325
Q 9220	86	2	27	.1	280	510
Q 9221	101	11	46	.1	106	37
Q 9222	61	2	29	.1	51	14
Q 9223	58	6	28	.1	82	54
Q 9224	47	5	38	.1	20	42

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: OCT 5 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED:

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE/ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CANMINE DEVELOPMENT CO. INC. PROJECT VEGA FILE # 88-5010

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9180	56	5	53	.1	32	57
Q 9181	3125	25	53	2.2	131	1050
Q 9182	25	4	39	.1	23	62
Q 9183	84	2	44	.1	36	113
Q 9184	41	3	38	.2	19	73
Q 9185	21	2	39	.1	59	45
Q 9186	8	2	32	.1	53	10
Q 9187	7	5	35	.1	22	19
Q 9188	5	2	31	.1	14	4
Q 9189	4	2	37	.1	29	5
Q 9190	13	2	42	.1	12	10
Q 9191	9	5	43	.1	9	9
Q 9192	5	2	40	.1	12	12
Q 9193	6	5	40	.1	14	25
Q 9225	146	7	40	.1	163	950
Q 9226	53	2	29	.1	85	26
Q 9227	35	2	26	.1	48	6
Q 9228	94	2	25	.1	62	5
P 5352	1056	2	60	.9	24	350
STD C/AU-R	60	40	133	6.7	44	495

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: OCT 7 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: Oct. 12/88..

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: *C. Leong*. D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CANMINE DEVELOPMENT CO. INC. PROJECT VEGA FILE # 88-5061 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9229	47	9	37	.1	14	5
Q 9230	118	12	38	.3	162	19
Q 9231	132	5	27	.1	182	79
Q 9232	171	2	23	.1	110	98
Q 9233	101	2	24	.1	39	25
Q 9234	149	3	26	.1	172	39
Q 9235	77	5	40	.1	59	7
Q 9236	84	7	24	.1	59	2
Q 9237	69	2	39	.1	43	4
Q 9238	114	7	27	.2	356	44
Q 9239	159	6	32	.1	64	14
Q 9240	232	2	37	.2	58	18
Q 9241	191	2	32	.1	32	2
Q 9242	263	7	30	.2	26	20
Q 9243	249	7	25	.1	26	26
Q 9244	115	3	37	.1	28	2
Q 9245	95	4	39	.1	44	1
Q 9246	158	3	26	.1	141	8
Q 9247	180	2	28	.1	58	12
Q 9248	128	2	23	.2	44	47
Q 9249	153	8	26	.1	687	38
Q 9250	166	2	24	.1	93	27
Q 9251	193	5	34	.1	76	36
Q 9252	292	10	32	.2	80	41
Q 9253	287	2	28	.1	109	69
Q 9254	100	10	42	.1	148	78
Q 9255	75	3	24	.1	162	36
Q 9256	50	2	22	.3	508	49
Q 9257	52	6	44	.5	55	1640
Q 9258	77	4	39	.3	72	92
Q 9259	76	2	29	.1	48	34
Q 9260	143	2	29	.3	41	116
Q 9261	34	6	20	.1	26	72
Q 9262	88	5	27	.1	23	59
Q 9263	236	6	23	.6	31	325
Q 9264	27	7	31	.1	14	36

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9265	116	2	30	.1	84	75
Q 9266	100	2	28	.1	46	70
Q 9267	99	2	23	.1	33	98
Q 9268	120	2	24	.1	29	86
Q 9269	135	2	40	.1	25	70
Q 9270	157	5	41	.2	10	42
Q 9271	91	4	44	.1	22	28
Q 9272	69	2	36	.1	2567	21
Q 9273	125	10	34	.1	61	66
Q 9274	88	4	30	.1	47	62
Q 9275	135	7	31	.1	38	130
Q 9276	140	4	34	1.0	55	1190
Q 9277	139	2	33	.3	76	72
Q 9278	259	2	45	.4	72	93
Q 9279	370	7	59	.7	115	68
Q 9280	141	2	43	.2	143	41
Q 9281	67	2	34	.1	98	28
Q 9282	122	2	44	.2	31	16
Q 9283	175	2	42	.3	62	118
Q 9284	231	5	37	.3	51	93
Q 9285	28	4	70	.2	62	38
Q 9286	20	3	99	.2	55	12
Q 9287	89	3	53	.3	44	23
Q 9288	60	10	47	.2	25	12
Q 9289	60	10	203	.2	31	43
Q 9290	5	3	47	.2	127	4
Q 9291	90	10	57	.1	19	42
Q 9292	8	2	36	.1	3	63
Q 9293	142	19	61	.5	61	14
Q 9294	147	12	188	.4	26	18
Q 9295	177	8	67	.3	154	26
Q 9296	141	12	53	.2	37	47
Q 9297	175	9	41	.2	38	45
Q 9298	118	10	131	.2	59	22
Q 9299	142	9	52	.3	113	75
Q 9300	162	3	48	.4	22	220
STD C/AU-R	59	41	132	6.6	42	520

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9301	165	2	122	1.3	60	815
Q 9302	196	5	93	.9	156	102
Q 9303	166	17	318	1.0	93	78
Q 9304	214	11	419	1.4	360	27
Q 9305	205	9	326	1.3	155	46
Q 9306	134	5	184	.9	92	50
Q 9307	107	2	437	.7	126	41
Q 9308	141	2	156	.9	133	18
Q 9309	108	6	183	.7	36	44
Q 9310	137	8	57	.5	22	405
Q 9311	147	2	85	.7	22	112
Q 9312	86	16	118	.4	22	35
Q 9313	89	6	164	.7	27	38
Q 9314	41	2	37	.2	16	25
Q 9315	121	5	652	1.5	85	120
Q 9316	2	5	42	.3	24	2
Q 9317	4	5	48	.2	20	16
Q 9318	113	7	1220	1.5	117	155
Q 9319	147	21	2100	1.9	43	220
Q 9320	101	5	179	.6	79	114
Q 9321	76	8	369	.7	68	73
Q 9322	58	8	58	.6	31	16
Q 9323	102	12	153	.5	94	150
Q 9324	71	8	54	.8	81	215
Q 9325	29	2	50	.4	41	230
Q 9326	97	3	109	1.1	36	14
Q 9327	71	9	310	1.0	88	101
Q 9328	27	9	79	.3	70	245
Q 9329	41	5	72	.3	251	25
Q 9330	50	4	72	.6	48	87
Q 9331	108	8	64	.4	55	9
Q 9332	8	6	104	.3	19	10
Q 9333	93	3	47	.3	117	13
Q 9334	226	3	50	.4	136	81
Q 9335	288	7	70	.4	169	52
Q 9336	389	5	53	.4	102	170
STD C/AU-R	58	41	132	7.0	41	505

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9337	525	2	54	.6	39	126
Q 9338	854	2	33	1.1	30	148
Q 9339	202	10	54	.5	59	1
Q 9340	142	2	69	.3	147	24
Q 9341	142	2	47	.5	89	8
Q 9342	94	2	28	.2	89	15
Q 9343	49	23	130	.2	71	20
Q 9344	48	2	286	.1	25	7
Q 9345	46	2	84	.2	87	8
Q 9346	46	2	73	.2	67	3
Q 9347	100	4	50	.5	16	6
Q 9348	46	8	41	.1	32	2
Q 9349	68	6	110	.1	43	5
Q 9350	44	8	57	.1	16	18
Q 9351	67	7	200	.4	34	79
Q 9352	62	9	58	.3	71	18
Q 9353	98	4	198	.4	68	4
Q 9354	84	2	155	.4	73	1
Q 9355	91	10	143	.6	98	4
Q 9356	92	7	100	.5	56	21
Q 9357	100	10	78	.5	33	72
Q 9358	61	3	98	.2	18	31
Q 9359	122	13	57	.1	14	32
Q 9360	214	7	70	.5	17	19
Q 9361	196	12	172	.5	61	10
Q 9362	251	4	134	.7	123	9
Q 9363	339	8	380	.8	27	28
Q 9364	121	8	120	.3	27	2
Q 9365	122	2	28	.1	12	15
Q 9366	61	2	21	.1	31	9
Q 9367	51	22	203	.4	53	16
Q 9368	85	11	175	.3	63	11
Q 9369	103	3	597	.5	50	3
Q 9370	85	3	182	.4	90	12
Q 9371	88	4	164	.4	39	6
Q 9372	139	18	143	.6	48	2
STD C/AU-R	57	38	132	7.1	41	530

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9373	111	10	110	.5	44	17
Q 9374	112	10	117	.7	81	3
Q 9375	120	5	60	.8	59	9
Q 9376	100	2	224	.6	43	7
Q 9377	118	15	356	1.2	44	10
Q 9378	49	16	172	.5	18	8
Q 9379	88	6	181	.6	40	17
Q 9380	89	11	191	.7	83	15
Q 9381	63	5	188	.6	84	4
Q 9382	36	7	59	.4	37	22
Q 9383	84	8	231	1.0	101	4
Q 9384	87	2	259	.5	63	12
Q 9385	161	3	192	.6	27	16
Q 9386	35	4	48	.3	7	10
Q 9387	179	3	51	.4	5	12
Q 9388	90	2	41	.5	7	18
Q 9389	30	8	39	.2	7	11
Q 9390	104	5	44	.4	26	36
Q 9391	18	4	34	.3	24	49
Q 9392	13	7	30	.1	15	240
Q 9393	145	5	33	.3	9	410
Q 9394	102	6	35	.1	5	12
Q 9395	427	2	36	.2	2	18
Q 9396	353	4	38	.2	4	8
Q 9397	711	2	37	.3	2	80
Q 9398	459	6	43	.3	3	13
Q 9399	284	2	48	.4	4	22
Q 9400	223	6	50	.2	4	9
Q 9401	822	4	31	.4	8	63
Q 9402	1123	3	41	.6	6	51
Q 9403	1715	16	42	1.1	13	94
Q 9404	481	4	50	.4	9	48
Q 9405	371	2	58	.4	8	31
Q 9406	1079	2	59	1.0	6	149
Q 9407	164	8	53	.3	3	21
Q 9408	950	4	54	.9	2	830
STD C/AU-R	59	37	132	6.9	39	470

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
Q 9409	194	18	57	2.6	4	69
Q 9410	223	9	51	.2	2	107
Q 9411	243	2	70	.1	3	105
Q 9412	1100	3	56	.9	5	250
Q 9413	2150	2	284	1.9	7	470
Q 9414	2723	12	71	2.5	9	1540
Q 9415	495	2	62	.6	6	210
Q 9416	1163	2	46	1.0	2	380
Q 9417	520	8	48	.3	2	115
Q 9418	1537	6	46	1.3	4	540
Q 9419	1456	4	42	.8	4	630
Q 9420	604	2	45	.8	2	450
Q 9421	428	5	35	.3	4	440
Q 9422	323	6	42	.2	2	82
Q 9423	593	2	64	.6	21	164
Q 9424	284	10	68	.2	4	31
Q 9425	314	27	77	.4	6	146
Q 9426	594	2	61	1.2	14	300
Q 9427	243	2	58	.4	3	42
Q 9428	325	7	55	.9	138	197
Q 9429	296	2	72	.3	7	41
Q 9430	334	3	60	.3	4	64
Q 9431	18	2	42	.1	7	25
Q 9432	144	5	38	.1	7	24
Q 9433	92	2	38	.2	2	30
Q 9434	41	2	48	.1	23	250
Q 9435	28	6	40	.1	11	46
Q 9436	171	2	46	.2	67	116
Q 9437	784	3	58	.7	26	290
Q 9438	648	2	45	.5	85	81
Q 9439	516	3	53	.4	138	97
Q 9440	1384	2	55	.8	54	290
P 5353	2544	14	232	3.0	672	620
STD C/AU-R	61	42	132	7.1	41	510

1969 Soil Samples

37 6 3 1 1 0

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA 1988

Acme file # 88-2046 Page 1 Received: JUN 17 1988 * 848 samples 1

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L37N 0+40E	86	20	109	0.4	48	20
L37N 1+20E	70	13	95	0.3	30	29
L37N 1+60E	77	17	113	0.7	21	101
L37N 1+80E	74	14	95	0.2	26	32
L37N 2+00E	52	13	109	0.4	16	23
L37N 2+20E	59	9	103	0.5	20	2
L37N 4+00E	60	11	95	0.5	24	3
L37N 5+00E	35	10	107	0.5	14	1
L35N 0+20E	79	9	105	0.4	52	12
L35N 0+40E	79	16	130	0.7	47	58
L35N 0+60E	68	13	98	0.6	32	42
L35N 0+80E	83	9	57	1.9	14	1
L35N 1+00E	104	11	85	0.4	34	18
L35N 1+20E	74	12	87	0.3	37	113
L35N 1+40E	72	13	108	0.3	26	13
L35N 1+60E	83	12	116	0.3	38	19
L35N 1+80E	76	12	119	0.4	30	605
L35N 2+00E	53	10	78	0.1	26	45
L35N 2+20E	74	16	114	0.8	24	154
L35N 2+40E	65	19	136	0.5	29	66
L35N 2+60E	51	13	101	0.6	24	21
L35N 2+80E	71	11	191	0.9	23	61
L35N 3+00E	38	10	96	0.3	20	34
L35N 3+20E	50	10	107	0.8	14	1
L35N 3+40E	65	20	182	0.4	25	1
L35N 3+60E	51	7	109	0.4	18	18
L35N 4+20E	70	16	110	0.3	23	1
L31N 3+00W	114	13	82	0.6	23	2
L31N 2+80W	114	3	100	0.2	28	18
L31N 2+60W	84	13	117	0.2	31	29
L31N 2+40W	54	16	116	0.4	15	5
L31N 2+20W	70	7	108	0.5	20	25
L31N 2+00W	72	8	142	0.6	23	13
L31N 1+80W	74	11	141	0.7	20	2
L31N 1+60W	124	8	108	0.5	25	1
L31N 1+40W	85	5	114	0.1	26	19
STD C/AU-S	61	44	132	6.6	40	52

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA 1988

Acme file # 88-2046 Page 2 Received: JUN 17 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L31N 1+20W	75	12	78	0.7	25	101
L31N 1+00W	53	2	127	0.9	20	6
L31N 0+80W	79	8	106	1.2	53	41
L31N 0+60W	135	9	77	0.7	203	350
L31N 0+40W	132	14	87	0.6	189	61
L31N 0+20W	108	3	84	0.8	70	5
L29N 3+00W	75	2	106	1.0	31	1
L29N 2+80W	43	9	125	0.9	26	3
L29N 2+40W	73	6	119	0.5	20	5
L29N 1+80W	65	2	119	0.8	18	6
L29N 0+20E	60	5	83	0.4	10	16
L29N 0+40E	105	18	97	0.7	40	13
L29N 0+60E	85	11	104	0.8	53	2
L29N 0+80E	204	13	100	0.7	28	46
L29N 1+00E	113	9	97	0.9	23	83
L29N 1+20E	68	10	112	0.8	24	7
L29N 1+40E	35	6	90	0.3	10	5
L29N 1+60E	38	6	84	0.1	12	3
L29N 1+80E	107	5	83	0.1	28	15
L29N 2+00E	102	6	77	0.3	28	7
L29N 2+20E	193	8	83	0.4	73	27
L29N 2+40E	95	8	61	0.3	21	5
L29N 2+60E	150	6	83	0.3	55	28
L29N 2+80E	202	12	95	0.6	60	81
L29N 3+00E	1067	5	102	1.4	24	800
L29N 3+20E	2826	25	99	2.9	33	1620
L29N 3+40E	1481	21	136	1.0	16	400
L29N 3+60E	1377	18	101	1.7	29	730
L29N 3+80E	169	7	68	1.3	15	320
L29N 4+00E	166	5	85	0.7	14	38
L29N 4+20E	118	9	81	0.5	19	69
L29N 4+40E	42	11	71	0.9	11	5
L29N 4+60E	53	13	98	0.6	17	18
L29N 4+80E	86	16	99	0.8	29	17
L29N 5+00E	101	14	119	0.6	10	31
STD C/AU-S	60	39	132	7.1	41	50

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA 1988

Acme file # 88-2046 Page 3 Received: JUN 16 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L27N 0+40W	67	4	89	0.1	17	8
L27N 0+80E	88	2	90	0.1	102	32
L27N 1+40E	110	8	115	0.5	37	39
L25N 0+80E	88	2	97	0.1	51	13
L25N 1+00E	81	2	92	0.1	30	1
L25N 1+20E	200	2	84	0.1	49	21
L25N 1+80E	32	2	60	0.1	8	82
L25N 2+60E	141	2	55	0.1	19	65
L25N 3+00E	88	2	62	0.3	13	6
L25N 3+20E	70	2	85	0.1	22	4
L25N 3+40E	65	2	110	0.1	16	1
L25N 3+60E	94	2	86	0.3	22	48
L25N 3+80E	107	4	96	0.3	13	9
L25N 4+00E	111	2	117	0.2	24	34
L25N 4+20E	78	5	101	0.4	21	17
L25N 4+40E	123	9	70	0.2	11	430
L25N 4+80E	66	3	103	0.7	9	9
L25N 5+00E	44	7	92	0.4	19	10
L25N 5+20E	93	9	101	0.3	38	106
L23N 2+80W	561	2	72	0.3	275	10
L23N 1+80W	81	2	97	0.1	25	1
L23N 1+60W	407	24	83	1.0	333	60
L23N 1+40W	503	2	83	0.3	285	17
L23N 1+00W	424	6	62	2.0	278	75
L23N 0+80W	237	2	61	0.4	46	7
L23N 0+20E	63	8	116	0.4	17	1
L23N 0+40E	67	2	99	0.1	16	1
L23N 0+60E	308	2	50	0.1	60	31
L23N 0+80E	242	6	57	0.1	87	37
L23N 1+00E	178	2	59	0.1	47	24
L23N 1+20E	74	2	84	0.1	24	8
L23N 1+40E	383	6	89	0.3	76	57
L23N 1+60E	169	8	116	0.3	32	34
L23N 1+80E	130	10	101	0.3	17	5
L23N 2+00E	101	7	101	0.2	23	6
L23N 2+20E	82	7	76	0.1	43	11
STD C/AU-S	61	41	132	6.9	40	51

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA 1988

Acme file # 88-2046 Page 4 Received: JUN 17 1988

	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L23N	2+40E	76	7	116	0.1	29	4
L23N	2+60E	72	8	119	0.1	28	1
L23N	2+80E	44	8	76	0.2	20	1
L23N	3+00E	62	7	115	0.1	20	1
L23N	3+20E	63	7	115	0.1	26	21
L23N	3+40E	53	4	73	0.6	15	4
L23N	3+60E	104	2	124	0.5	18	1
L23N	3+80E	78	5	103	0.1	14	2
L23N	4+00E	46	2	76	0.1	14	1
L23N	4+20E	140	4	120	0.7	45	31
L23N	4+40E	151	4	118	0.3	34	335
L23N	4+60E	74	6	138	0.1	42	1
L23N	4+80E	140	4	159	0.1	51	101
L23N	9+00E	106	2	126	0.1	31	1
L23N	9+20E	86	3	127	0.1	28	72
L23N	9+40E	61	3	115	0.1	22	17
L23N	9+60E	79	4	99	0.3	16	10
L23N	9+80E	80	8	88	0.8	12	6
L23N	10+00E	54	2	65	0.7	6	4
L23N	10+20E	51	2	67	0.4	4	7
L23N	10+40E	49	8	74	0.1	5	20
L23N	10+60E	49	6	79	0.2	5	4
L23N	10+80E	65	20	155	0.4	13	1
L23N	11+00E	96	11	89	0.5	10	2
L23N	11+20E	50	4	125	0.5	34	1
L23N	11+40E	62	5	123	0.3	48	1
L23N	11+60E	48	13	148	0.1	20	2
L23N	11+80E	70	8	99	0.1	17	2
L23N	12+00E	68	5	150	0.3	9	1
L23N	12+20E	223	9	88	1.0	13	1
L23N	12+40E	54	9	127	0.1	19	435
L23N	12+60E	43	9	95	0.2	5	1
L23N	12+80E	44	18	85	0.1	5	1
L23N	13+00E	52	9	57	0.2	3	1
L23N	13+20E	38	10	120	0.2	11	1
L23N	13+40E	72	11	125	0.4	8	1
STD	C/AU-S	60	37	132	6.8	39	48

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA 1988

Acme file # 88-2046 Page 5 Received: JUN 17 1988

	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L23N	13+60E	20	5	59	0.2	4	12
L23N	13+80E	34	2	112	0.3	10	5
L23N	14+00E	59	4	87	0.4	15	4
L19N	5+20E	43	2	102	0.7	9	2
L19N	5+40E	62	5	137	0.2	9	1
L19N	5+60E	79	6	147	0.1	20	2
L19N	5+80E	46	4	108	0.1	20	1
L19N	6+00E	65	2	135	0.1	9	1
L19N	6+20E	50	3	128	0.2	12	3
L19N	6+40E	52	3	111	0.3	21	1
L19N	6+60E	51	2	125	0.2	12	1
L19N	6+80E	64	2	134	0.2	9	1
L19N	7+00E	68	5	186	0.5	16	1
L19N	7+20E	50	2	125	0.3	21	13
L19N	7+40E	78	7	140	0.4	22	5
L19N	7+60E	49	2	141	0.7	30	3
L19N	7+80E	41	6	133	0.1	42	15
L19N	8+00E	50	8	98	0.4	64	74
L19N	8+20E	87	3	204	0.4	90	14
L19N	8+40E	82	5	198	0.3	60	8
L19N	8+60E	78	8	162	0.3	43	5
L19N	8+80E	47	4	128	0.4	34	7
L19N	9+00E	58	2	129	0.4	33	5
L19N	9+20E	81	5	153	0.3	47	11
L19N	9+40E	95	2	166	0.3	43	14
L19N	9+60E	35	17	353	0.5	192	40
L19N	9+80E	44	10	172	0.7	128	10
L19N	10+00E	49	9	88	0.5	164	1
L19N	11+60E	66	12	91	0.1	41	1
L19N	11+80E	53	2	107	0.1	69	19
L19N	12+00E	132	4	90	0.4	51	3
L19N	12+20E	94	8	92	0.2	21	4
L19N	12+40E	103	8	104	0.1	22	6
L19N	12+60E	72	2	103	0.2	26	1
L19N	12+80E	98	2	101	0.3	19	6
L19N	13+00E	62	6	85	0.4	14	4
STD	C/AU-S	61	38	132	7.0	42	52

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEG 1988

Acme file # 88-2046 Page 6 Received:

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L19N 13+20E	60	17	139	0.3	19	4
L19N 13+40E	42	4	121	0.4	7	13
L19N 13+60E	86	2	160	0.2	16	14
L19N 13+80E	108	7	131	0.2	33	21
L19N 14+00E	57	2	123	0.1	9	6
L19N 14+20E	51	7	106	0.1	16	13
L19N 14+40E	57	2	86	0.1	17	31
L19N 14+60E	34	2	60	0.1	2	10
L19N 14+80E	41	5	89	0.1	21	36
L19N 15+00E	43	14	91	0.1	17	7
L17N 0+20E	66	11	97	0.1	15	6
L17N 0+40E	121	6	100	0.1	39	66
L17N 0+60E	71	7	111	0.4	19	5
L17N 0+80E	74	2	95	0.1	14	1
L17N 1+00E	67	9	89	0.1	15	1
L17N 1+20E	94	7	125	0.1	24	17
L17N 1+40E	79	5	122	0.1	20	3
L17N 1+60E	138	16	102	0.2	38	4
L17N 1+80E	90	11	111	0.2	34	3
L17N 2+00E	93	2	104	0.1	31	24
L17N 2+20E	87	16	101	0.1	35	40
L17N 2+40E	130	6	99	0.2	136	10
L17N 2+60E	179	5	100	0.4	80	39
L17N 2+80E	290	2	101	0.2	153	26
L17N 3+00E	149	11	97	0.1	79	24
L17N 3+20E	151	2	102	0.2	69	21
L17N 3+40E	106	8	101	0.3	40	10
L17N 3+60E	108	6	95	0.3	41	12
L17N 3+80E	120	2	105	0.9	57	14
L17N 4+00E	114	2	92	0.5	56	7
L17N 4+20E	89	3	110	0.1	35	14
L17N 4+40E	80	9	77	0.2	39	63
L17N 4+60E	101	7	98	0.2	41	37
L17N 4+80E	129	5	106	0.1	52	28
L17N 5+00E	90	7	88	0.2	35	14
L17N 5+20E	82	5	96	0.3	24	102
STD C/AU-S	62	37	132	7.2	42	50

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA 1988

Acme file # 88-2046 Page 7 Received: JUN 17 1988

	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L17N 5+40E		81	9	98	0.6	22	7
L17N 5+60E		100	19	98	0.3	22	14
L17N 5+80E		72	9	92	0.4	16	156
L17N 6+00E		45	10	141	0.5	12	3
L17N 6+20E		69	9	123	0.6	18	2
L17N 6+40E		81	8	125	0.4	16	1
L17N 6+60E		65	5	142	0.8	23	1
L17N 6+80E		56	13	95	0.5	17	4
L17N 7+00E		54	11	113	0.3	12	13
L17N 7+20E		67	16	134	0.1	15	1
L17N 7+40E		46	9	220	0.5	13	12
L17N 7+60E		68	9	120	0.5	15	8
L17N 7+80E		63	7	116	0.5	15	5
L17N 8+00E		67	10	145	0.4	16	1
L17N 8+20E		51	16	94	0.1	12	25
L17N 8+40E		56	9	121	0.3	14	4
L17N 8+60E		56	12	117	0.5	16	1
L17N 8+80E		47	13	123	0.4	15	21
L17N 9+00E		45	8	140	0.3	14	2
L17N 9+20E		61	7	138	0.4	21	2
L17N 9+40E		65	11	121	0.3	24	93
L17N 9+60E		87	12	106	0.3	49	188
L17N 9+80E		94	14	144	0.8	91	34
L17N 10+00E		86	16	141	0.7	116	10
L17N 10+20E		52	18	176	0.6	64	77
L17N 10+40E		81	26	232	0.4	223	192
L17N 10+60E		92	19	248	0.7	182	101
L17N 10+80E		97	26	294	0.5	194	107
L17N 11+00E		56	19	176	0.2	16	4
L17N 11+20E		103	13	78	0.2	14	3
L17N 11+40E		70	8	71	0.1	12	1
L17N 11+60E		69	7	104	0.2	14	6
L17N 11+80E		49	10	108	0.1	9	7
L17N 12+00E		73	10	89	0.1	12	3
L17N 12+20E		83	9	108	0.3	16	129
STD C/AU-S		57	41	130	7.1	38	53

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA 1988

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	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L17N 12+40E		117	21	148	0.1	23	310
L17N 12+60E		92	16	71	0.1	17	116
L17N 12+80E		119	10	85	0.2	17	52
L17N 13+00E		49	11	70	0.1	11	210
L17N 13+20E		115	15	64	0.2	11	19
L17N 13+40E		70	15	89	0.1	14	7
L17N 13+60E		45	14	75	0.4	12	12
L17N 13+80E		78	14	91	0.1	18	28
L17N 14+00E		44	16	93	0.2	19	7
L17N 14+20E		40	13	69	0.3	18	7
L17N 14+40E		52	8	114	0.3	21	13
L17N 14+60E		91	13	75	0.3	25	40
L17N 14+80E		156	18	116	0.7	40	260
L17N 15+00E		74	11	81	0.3	21	134
L15N 3+00W		62	15	95	0.1	15	4
L15N 2+80W		85	8	100	0.1	15	2
L15N 2+60W		82	7	109	0.1	32	1
L15N 2+40W		120	15	80	0.2	34	3
L15N 2+20W		79	12	114	0.1	11	1
L15N 2+00W		102	12	111	0.3	6	1
L15N 1+80W		84	13	107	0.1	11	2
L15N 1+60W		64	13	132	0.2	10	6
L15N 1+40W		60	15	121	0.1	10	5
L15N 1+20W		92	8	130	0.2	16	1
L15N 1+00W		74	9	148	0.1	12	1
L15N 0+80W		67	13	147	0.1	6	1
L15N 0+60W		55	13	151	0.1	10	2
L15N 0+40W		58	13	122	1.7	2	1
L15N 0+20W		61	2	105	0.1	2	1
L15N 0+20E		47	13	106	0.1	10	1
L15N 0+40E		57	8	96	0.5	10	2
L15N 0+60E		62	8	100	0.2	18	6
L15N 0+80E		60	5	128	0.3	12	2
L15N 1+00E		78	13	90	0.3	27	5
L15N 1+20E		43	10	110	0.2	14	7
L15N 1+40E		85	11	122	0.1	25	10
STD C/AU-S		63	44	132	7.0	43	51

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L15N 1+60E	112	9	58	0.1	29	108
L15N 1+80E	62	11	58	0.1	95	16
L15N 2+00E	181	16	106	0.1	158	53
L15N 2+20E	112	9	85	0.1	79	88
L15N 2+40E	44	11	71	0.1	58	12
L15N 2+60E	71	15	72	0.2	59	46
L15N 2+80E	51	19	81	0.5	27	17
L15N 3+00E	58	19	71	0.2	37	56
L15N 3+20E	75	6	77	0.2	35	39
L15N 3+40E	121	21	90	0.3	30	42
L15N 3+60E	83	14	107	0.3	22	12
L15N 3+80E	63	14	95	0.1	23	16
L15N 4+00E	57	13	76	0.2	20	5
L15N 4+20E	45	11	97	0.1	12	3
L15N 4+40E	66	11	95	0.5	18	49
L15N 4+60E	78	17	95	0.2	24	4
L15N 4+80E	67	16	108	0.1	25	33
L15N 5+00E	54	11	103	0.3	15	12
L15N 5+20E	28	14	65	0.3	11	1
L15N 5+40E	34	7	71	0.3	9	1
L15N 5+60E	71	14	95	0.4	19	1
L15N 5+80E	59	14	87	0.5	15	8
L15N 6+00E	70	22	112	0.7	17	11
L15N 6+20E	49	8	119	0.3	11	3
L15N 6+40E	61	16	106	0.4	8	6
L15N 6+60E	44	14	96	0.6	14	1
L15N 6+80E	60	16	96	0.3	16	135
L15N 7+00E	66	15	115	0.3	15	1
L15N 7+20E	60	19	106	0.1	13	1
L15N 7+40E	71	9	106	0.1	18	1
L15N 7+60E	83	5	99	0.1	21	8
L15N 7+80E	48	7	104	0.7	12	12
L15N 8+00E	40	13	108	0.6	15	1
L15N 8+20E	51	13	77	0.2	17	29
L15N 8+40E	37	10	85	0.5	16	6
L15N 8+60E	46	11	84	0.2	17	12
STD C/AU-S	60	40	132	7.2	42	49

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L15N	8+80E	38	10	114	0.3	13	6
L15N	8+80EA	41	10	82	0.5	16	3
L15N	9+00E	33	7	91	0.5	12	31
L15N	9+20E	37	11	123	0.4	18	22
L15N	9+40E	47	6	99	0.4	12	9
L15N	9+60E	49	14	118	0.7	21	45
L15N	9+80E	81	16	113	0.3	67	17
L15N	10+00E	126	16	117	0.5	99	118
L15N	10+20E	77	11	94	0.4	17	27
L15N	10+40E	103	4	99	0.2	13	4
L15N	10+60E	74	15	90	0.2	14	44
L15N	10+80E	52	11	110	0.5	12	10
L15N	11+00E	23	15	60	0.2	8	11
L15N	11+20E	32	10	69	0.3	12	7
L15N	11+40E	31	12	58	0.3	9	14
L15N	11+60E	68	7	85	0.3	19	100
L15N	11+80E	44	12	97	0.2	19	480
L15N	12+00E	39	10	64	0.3	25	120
L15N	12+20E	39	9	61	0.1	11	53
L15N	12+40E	41	6	95	0.2	19	84
L15N	12+60E	49	8	69	0.4	18	26
L15N	12+80E	26	9	101	0.2	8	24
L15N	13+00E	35	11	55	0.2	15	23
L15N	13+20E	27	7	63	0.8	11	15
L15N	13+40E	59	7	94	0.2	22	73
L15N	13+60E	64	10	92	0.3	26	104
L15N	13+80E	32	13	89	0.2	18	20
L15N	14+00E	54	9	87	0.7	19	99
L15N	14+20E	70	12	89	0.3	24	18
L15N	14+40E	58	10	84	0.2	19	50
L15N	14+60E	37	12	71	0.3	13	20
L15N	14+80E	39	9	92	0.1	24	22
L15N	15+00E	38	9	101	0.3	29	19
L13N	3+00W	36	13	69	0.2	11	5
L13N	2+80W	116	5	82	0.3	23	89
STD	C/AU-S	57	37	132	7.1	40	48

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L13N 2+60W	82	15	107	0.2	21	24
L13N 2+40W	70	18	78	0.1	27	23
L13N 2+20W	77	18	105	0.1	20	4
L13N 2+00W	146	20	78	0.5	37	14
L13N 1+80W	75	21	96	0.1	12	2
L13N 1+60W	68	24	141	0.3	14	2
L13N 1+40W	91	24	111	0.4	69	10
L13N 1+20W	117	26	90	0.4	35	14
L13N 1+00W	71	22	108	0.3	26	8
L13N 0+80W	43	22	93	0.3	15	1
L13N 0+60W	60	21	121	0.1	17	2
L13N 0+40W	85	14	99	0.3	17	6
L13N 0+20W	69	20	110	0.2	22	30
L13N 0+20E	73	12	115	0.1	22	54
L13N 0+40E	63	17	90	0.6	11	8
L13N 0+60E	43	11	60	0.4	10	11
L13N 0+80E	129	15	103	0.1	36	39
L13N 1+00E	124	18	93	0.1	33	210
L13N 1+20E	159	13	92	0.2	50	270
L13N 1+40E	129	15	90	0.1	34	147
L13N 1+60E	170	15	95	0.1	59	79
L13N 1+80E	96	16	82	0.1	47	21
L13N 2+00E	52	13	78	0.1	26	20
L13N 2+20E	98	3	82	0.3	75	15
L13N 2+40E	58	14	88	0.6	25	51
L13N 2+60E	70	20	101	0.4	31	36
L13N 2+80E	40	12	71	0.1	17	5
L13N 3+00E	60	11	97	0.3	23	49
L13N 3+20E	50	18	84	0.2	25	1
L13N 3+40E	39	10	53	0.7	17	46
L13N 3+60E	60	13	76	0.4	22	14
L13N 3+80E	80	11	96	0.3	27	69
L13N 4+00E	70	10	87	0.1	23	1
L13N 4+20E	60	10	84	0.2	19	3
L13N 4+40E	79	19	83	0.4	28	9
L13N 4+60E	60	12	88	0.2	19	11
STD C/AU-S	62	43	132	6.9	43	48

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L13N	4+80E	56	8	93	0.3	16	20
L13N	5+00E	80	2	81	0.6	23	8
L13N	5+20E	40	6	66	0.2	10	48
L13N	5+40E	57	8	70	0.4	15	22
L13N	5+60E	54	12	71	0.4	13	19
L13N	5+80E	53	9	87	0.5	12	51
L13N	6+00E	65	6	71	0.3	16	55
L13N	6+20E	36	10	74	0.3	10	20
L13N	6+40E	64	12	83	0.7	16	4
L13N	6+60E	45	9	84	0.6	13	74
L13N	6+80E	61	3	78	0.6	24	9
L13N	7+00E	51	14	90	0.1	14	7
L13N	7+20E	37	8	92	0.5	9	25
L13N	7+40E	69	10	98	0.2	23	6
L13N	7+60E	48	3	107	0.2	12	10
L13N	7+80E	56	12	106	0.3	12	13
L13N	8+00E	41	11	85	0.1	14	18
L13N	8+20E	86	14	89	0.6	23	14
L13N	8+40E	90	10	79	0.8	18	25
L13N	8+60E	93	5	98	0.2	31	24
L13N	8+80E	89	18	118	0.2	39	6
L13N	9+00E	57	19	155	0.4	23	83
L13N	9+20E	84	16	98	0.4	34	17
L13N	9+40E	25	4	247	0.1	4	1
L13N	9+60E	101	3	118	0.2	15	10
L13N	9+80E	93	7	135	0.1	13	6
L13N	10+00E	149	8	91	0.1	13	14
L13N	10+20E	90	16	150	0.6	25	11
L13N	10+40E	67	13	83	0.2	15	6
L13N	10+60E	60	8	78	0.2	23	230
L13N	10+80E	41	15	67	0.3	14	19
L13N	11+00E	53	17	94	0.2	16	33
L13N	11+20E	45	9	73	0.4	12	28
L13N	11+40E	56	16	72	0.2	16	14
L13N	11+60E	125	17	87	0.7	38	265
L13N	11+80E	75	16	74	0.3	18	16
STD	C/AU-S	60	35	132	6.7	41	53

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L13N	12+00E	38	10	48	0.3	17	30
L13N	12+20E	92	17	72	0.6	21	25
L13N	12+40E	44	10	61	0.1	19	57
L13N	12+60E	97	16	88	0.4	43	38
L13N	12+80E	41	15	75	0.2	13	52
L13N	13+00E	85	11	81	0.4	16	37
L13N	13+20E	81	23	101	0.5	20	5
L13N	13+40E	54	19	91	0.3	17	10
L13N	13+60E	60	14	97	0.3	18	4
L13N	13+80E	389	16	118	0.8	75	115
L13N	14+00E	137	16	95	0.4	59	152
L13N	14+20E	54	12	73	0.7	36	15
L13N	14+40E	91	11	90	0.3	24	41
L13N	14+60E	60	19	84	0.6	9	1
L13N	14+80E	34	19	76	0.5	11	22
L13N	15+00E	35	21	102	0.7	3	1
L11N	3+00W	140	22	76	0.2	35	44
L11N	2+80W	101	21	74	0.4	22	19
L11N	2+60W	49	22	68	0.2	22	45
L11N	2+40W	99	17	92	0.4	34	54
L11N	2+20W	74	18	70	0.3	32	14
L11N	2+00W	70	20	101	0.1	27	49
L11N	1+80W	44	19	86	0.3	19	14
L11N	0+20E	71	17	82	0.4	11	16
L11N	1+00E	78	14	75	0.2	23	13
L11N	1+20E	61	14	88	0.6	15	9
L11N	1+40E	67	11	111	0.3	12	28
L11N	1+60E	69	22	89	0.3	19	35
L11N	1+80E	74	16	91	0.2	21	14
L11N	2+00E	113	12	109	0.5	22	10
L11N	2+20E	57	12	89	0.4	13	9
L11N	2+40E	97	17	143	0.5	15	22
L11N	2+60E	76	13	93	0.2	19	21
L11N	2+80E	81	16	98	0.3	18	10
L11N	3+00E	105	9	119	0.6	39	15
L11N	3+20E	60	7	96	0.2	39	41
STD	C/AU-S	61	40	132	6.8	41	51

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L11N	3+40E	56	11	89	0.4	22	8
L11N	3+60E	85	10	106	0.3	45	25
L11N	3+80E	82	4	111	0.1	47	3
L11N	4+00E	66	8	88	0.1	33	4
L11N	4+20E	80	2	100	0.4	30	5
L11N	4+40E	89	4	106	0.2	49	4
L11N	4+60E	103	2	101	0.2	35	6
L11N	4+80E	54	2	83	0.5	24	9
L11N	5+00E	56	14	137	0.6	13	2
L11N	5+20E	77	11	102	0.1	30	3
L11N	5+40E	80	7	149	0.4	22	17
L11N	5+60E	82	6	119	0.1	30	15
L11N	5+80E	94	6	102	0.5	43	9
L11N	6+00E	64	8	94	0.2	25	31
L11N	6+20E	63	11	100	0.3	23	21
L11N	6+40E	55	10	126	0.2	22	2
L11N	6+60E	43	9	140	0.7	12	19
L11N	6+80E	56	5	99	0.5	24	22
L11N	7+00E	56	5	99	0.3	24	23
L11N	7+20E	68	10	102	0.4	17	4
L11N	7+40E	87	5	85	0.5	22	5
L11N	7+60E	106	10	91	0.4	21	4
L11N	7+80E	76	8	88	0.1	27	5
L11N	8+00E	74	7	84	0.3	24	3
L11N	8+20E	114	10	109	0.4	38	30
L11N	8+40E	108	7	78	0.2	36	22
L11N	8+60E	103	6	99	0.1	44	7
L11N	8+80E	117	5	99	0.1	24	17
L11N	9+00E	59	16	80	0.3	15	2
L11N	9+20E	63	15	73	0.4	11	1
L11N	9+40E	105	11	87	0.3	59	2
L11N	9+60E	50	16	79	0.5	30	2
L11N	9+80E	144	2	94	0.4	30	15
L11N	10+00E	87	4	83	0.5	22	3
L11N	10+20E	50	4	111	0.3	20	485
L11N	10+40E	87	3	89	0.2	17	9
STD	C/AU-S	63	39	132	6.8	41	50

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L11N	10+60E	56	16	82	0.5	10	7
L11N	10+80E	81	13	99	0.2	20	25
L11N	11+00E	71	10	78	0.2	20	72
L11N	11+20E	87	10	94	0.3	19	210
L11N	11+40E	58	13	81	0.3	9	14
L11N	11+60E	66	10	85	0.3	20	3
L11N	11+80E	55	10	73	0.2	15	33
L11N	12+00E	52	17	65	0.3	13	23
L11N	12+20E	90	10	86	0.4	13	31
L11N	12+40E	82	8	100	0.4	17	130
L11N	12+60E	98	9	103	0.2	14	27
L11N	12+80E	146	8	91	0.6	19	18
L11N	13+00E	173	12	82	0.6	8	16
L11N	13+20E	89	6	80	0.2	18	20
L11N	13+40E	98	6	97	0.1	17	11
L11N	13+60E	74	9	91	0.1	25	15
L11N	13+80E	30	10	105	0.3	2	1
L11N	14+00E	51	13	112	0.2	4	2
STD	C/AU-S	60	40	132	7.0	39	51

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L11N 14+20E	54	17	102	0.1	14	23
L11N 14+40E	26	16	64	0.4	4	3
L11N 14+60E	51	14	109	0.4	15	2
L11N 14+80E	62	19	125	0.3	29	35
L11N 15+00E	51	12	132	0.1	54	4
L9N 3+00W	78	13	100	0.2	28	18
L9N 2+80W	62	19	80	0.6	17	12
L9N 2+60W	44	13	92	0.4	13	98
L9N 2+40W	46	17	83	0.2	17	11
L9N 2+20W	53	18	89	0.2	18	7
L9N 2+00W	74	15	89	0.1	31	260
L9N 1+80W	54	15	89	0.2	26	23
L9N 1+60W	85	17	97	0.3	33	19
L9N 1+40W	53	12	84	0.1	24	16
L9N 1+20W	58	11	80	0.4	22	13
L9N 1+00W	71	15	75	0.1	119	4
L9N 0+80W	41	14	106	0.1	77	1
L9N 0+60W	51	15	92	0.1	46	138
L9N 0+40W	82	12	81	0.1	31	4
L9N 0+20W	151	12	83	0.1	35	29
L9N 1+20E	92	12	96	0.1	29	10
L9N 1+40E	96	21	138	0.1	41	93
L9N 1+60E	91	17	91	0.2	28	8
L9N 1+80E	94	19	109	0.1	33	12
L9N 2+00E	75	18	104	0.2	22	5
L9N 2+20E	48	16	97	0.2	11	1
L9N 2+40E	49	11	97	0.1	28	2
L9N 2+60E	135	17	150	0.1	17	3
L9N 2+80E	90	8	109	0.1	20	23
L9N 3+00E	80	12	111	0.5	18	39
L9N 3+20E	76	14	89	0.2	17	110
L9N 3+40E	82	9	129	0.4	26	8
L9N 3+60E	60	5	100	0.1	12	13
L9N 3+80E	75	9	115	0.1	19	18
L9N 4+00E	77	12	129	0.2	18	10
L9N 4+20E	106	11	123	0.2	21	45
STD C/AU-S	61	41	132	6.8	42	50

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L9N 4+40E	67	6	99	0.1	27	13
L9N 4+60E	59	2	104	0.2	14	1
L9N 4+80E	46	5	97	0.1	16	1
L9N 5+00E	66	2	109	0.3	18	3
L9N 5+20E	44	9	140	0.1	11	1
L9N 5+40E	48	2	140	0.1	12	10
L9N 5+60E	37	2	173	0.2	14	1
L9N 5+80E	71	9	131	0.2	21	23
L9N 6+00E	57	5	95	0.1	20	12
L9N 6+20E	54	2	95	0.2	18	14
L9N 6+40E	83	5	60	0.1	14	27
L9N 6+60E	69	5	99	0.1	17	1
L9N 6+80E	73	2	118	0.2	18	1
L9N 7+00E	47	2	110	0.1	16	1
L9N 7+20E	103	8	101	0.1	149	38
L9N 7+40E	110	10	99	0.1	54	25
L9N 7+60E	139	2	83	0.5	50	260
L9N 7+80E	77	7	79	0.3	19	13
L9N 8+00E	78	5	84	0.1	31	8
L9N 8+20E	217	7	94	0.1	36	280
L9N 8+40E	81	8	84	0.1	26	57
L9N 8+60E	56	3	74	0.1	14	5
L9N 8+80E	49	9	91	0.1	12	9
L9N 9+00E	84	3	70	0.2	25	11
L9N 9+20E	54	12	81	0.4	17	8
L9N 9+40E	66	7	89	0.1	24	10
L9N 9+60E	35	10	85	0.3	10	3
L9N 9+80E	59	9	88	0.1	25	12
L9N 10+00E	78	13	91	0.1	25	37
L9N 10+20E	72	14	99	0.8	18	14
L9N 10+40E	38	7	58	0.1	11	4
L9N 10+60E	94	4	58	0.1	9	21
L9N 10+80E	49	10	72	0.1	17	10
L9N 11+00E	80	2	69	0.1	13	48
L9N 11+20E	64	8	72	0.1	10	34
L9N 11+40E	81	4	78	0.4	10	5
STD C/AU-S	62	42	133	7.0	42	52

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L9N 11+60E	67	12	88	0.7	15	43
L9N 11+80E	69	13	88	0.6	13	34
L9N 12+00E	95	14	89	0.9	21	28
L9N 12+20E	40	12	70	0.3	13	12
L9N 12+40E	35	11	79	0.3	8	18
L9N 12+60E	56	6	83	0.3	15	19
L9N 12+80E	44	11	109	0.5	10	4
L9N 13+00E	39	10	74	0.4	9	12
L9N 13+20E	47	11	117	0.2	9	18
L9N 13+40E	30	12	86	0.2	5	10
L9N 13+60E	57	9	111	0.6	14	6
L9N 13+80E	60	16	104	0.4	19	60
L9N 14+00E	55	13	116	0.9	30	22
L9N 14+20E	64	14	97	0.2	37	8
L9N 14+40E	67	17	100	0.4	31	12
L9N 14+60E	66	15	122	0.5	19	26
L9N 14+80E	70	10	121	0.6	13	6
L9N 15+00E	45	16	72	0.1	5	4
L7N 3+00W	76	8	108	0.3	38	3
L7N 2+80W	54	17	105	0.5	27	4
L7N 2+60W	41	17	99	0.3	24	9
L7N 2+40W	37	10	75	0.4	22	3
L7N 2+20W	55	12	119	0.3	32	7
L7N 2+00W	52	17	95	0.5	28	2
L7N 1+80W	55	13	94	0.3	27	5
L7N 1+60W	42	19	107	0.3	22	2
L7N 1+40W	48	15	91	0.4	22	11
L7N 1+20W	43	6	111	0.6	19	13
L7N 1+00W	47	9	88	0.4	22	10
L7N 0+80W	42	10	94	0.3	18	4
L7N 0+60W	37	12	72	0.3	19	11
L7N 0+40W	51	10	90	0.5	20	5
L7N 0+20W	51	16	69	0.3	16	23
L7N 0+20E	82	11	87	0.3	24	5
L7N 0+47E	77	17	79	0.3	19	11
L7N 0+60E	80	9	74	0.2	22	9
L7N 0+88E	79	9	100	1.0	12	16
STD C/AU-S	57	38	132	7.1	40	53

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L7N 1+00E	94	9	82	0.1	24	15
L7N 1+20E	46	6	83	0.3	9	18
L7N 1+40E	67	5	87	0.2	24	14
L7N 1+60E	59	6	139	0.2	21	11
L7N 1+80E	75	5	122	0.4	21	235
L7N 2+00E	58	5	132	0.2	15	9
L7N 2+20E	104	7	128	0.1	18	6
L7N 2+40E	75	8	89	0.1	20	25
L7N 2+60E	63	5	80	0.1	19	17
L7N 2+80E	64	5	113	0.1	22	173
L7N 3+00E	56	10	116	0.4	15	9
L7N 3+20E	90	17	111	0.1	27	16
L7N 3+40E	60	23	111	0.4	20	35
L7N 3+60E	46	5	75	0.2	13	1
L7N 3+80E	79	7	105	0.1	18	1
L7N 4+00E	82	8	87	0.1	24	12
L7N 4+20E	64	8	98	0.1	21	203
L7N 4+40E	66	2	114	0.4	19	15
L7N 4+60E	27	7	98	0.3	10	1
L7N 4+80E	54	9	85	0.1	16	32
L7N 5+00E	75	11	79	0.2	18	22
L7N 5+20E	55	2	82	0.1	16	1
L7N 5+40E	38	4	103	0.1	15	9
L7N 5+60E	80	9	97	0.1	25	2
L7N 5+80E	49	11	95	0.2	27	1
L7N 6+00E	71	4	67	0.1	12	1
L7N 6+20E	69	6	89	0.1	20	1
L7N 6+40E	150	6	99	0.1	25	75
L7N 6+60E	78	7	91	0.3	23	1
L7N 6+80E	90	6	101	0.1	30	1
L7N 7+00E	110	9	101	0.1	39	40
L7N 7+20E	77	12	74	0.1	21	65
L7N 7+40E	65	9	71	0.1	13	24
L7N 7+60E	101	3	83	0.3	21	355
L7N 7+80E	83	8	82	0.4	22	235
L7N 8+00E	62	10	97	0.1	14	11
STD C/AU-S	61	39	132	6.8	41	50

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA 1988

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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L7N 8+20E	154	9	117	0.4	46	4
L7N 8+40E	50	10	117	0.3	10	3
L7N 8+60E	53	12	121	0.4	12	7
L7N 8+80E	31	10	88	0.2	12	1
L7N 9+00E	50	9	99	0.4	19	1
L7N 9+20E	42	12	79	0.3	15	7
L7N 9+40E	42	14	75	0.3	12	10
L7N 9+60E	37	9	78	0.2	15	21
L7N 9+80E	49	12	114	0.3	4	1
L7N 10+00E	40	12	126	0.2	6	1
L7N 10+20E	32	14	109	0.1	11	6
L7N 10+40E	59	6	138	0.2	19	2
L7N 10+60E	65	21	145	0.4	18	1
L7N 10+80E	63	13	88	0.1	21	10
L7N 11+00E	47	8	115	0.3	18	2
L7N 11+20E	51	14	135	0.3	25	2
L7N 11+40E	55	8	113	0.3	11	1
L7N 11+60E	49	13	120	0.5	26	2
L7N 11+80E	28	12	73	0.3	6	2
L7N 12+00E	27	14	91	0.2	7	1
L7N 12+20E	29	8	70	0.2	10	10
L7N 12+40E	34	10	84	0.1	13	3
L7N 12+60E	47	13	97	0.1	15	1
L7N 12+80E	30	11	84	0.3	10	2
L7N 13+00E	32	12	89	0.4	10	2
L7N 13+20E	65	3	96	0.5	15	4
L7N 13+40E	50	15	108	0.4	16	11
L7N 13+60E	38	9	94	0.4	7	1
L7N 13+80E	51	13	91	0.4	8	3
L7N 14+00E	60	13	95	0.1	9	2
L7N 14+20E	53	6	124	0.3	9	10
L7N 14+40E	37	8	109	0.4	5	1
L7N 14+60E	47	7	113	0.4	8	2
L7N 14+80E	52	7	100	0.1	8	2
L7N 15+00E	60	9	121	0.4	7	2
L5N 0+20E	40	8	75	0.3	9	5
STD C/AU-S	57	40	132	7.0	40	47

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L5N 0+40E	41	2	74	0.7	11	1
L5N 0+60E	68	4	84	0.2	20	6
L5N 0+80E	57	2	72	0.3	12	6
L5N 1+00E	62	2	97	0.2	17	1
L5N 1+20E	53	2	88	0.1	16	2
L5N 1+40E	73	6	120	0.2	21	1
L5N 1+60E	55	3	97	0.1	20	1
L5N 1+80E	42	2	76	0.3	14	4
L5N 2+00E	58	8	100	0.4	13	1
L5N 2+20E	52	2	91	0.1	16	2
L5N 2+40E	39	5	88	0.2	10	1
L5N 2+60E	42	4	69	0.3	10	22
L5N 2+80E	67	6	113	0.2	15	3
L5N 3+00E	55	4	81	0.1	13	8
L5N 3+20E	46	8	91	0.3	17	1
L5N 3+40E	99	8	74	0.1	16	33
L5N 3+60E	60	5	133	0.1	15	2
L5N 3+80E	46	6	129	0.1	10	1
L5N 4+00E	28	2	102	0.3	2	1
L5N 4+20E	54	5	80	0.4	15	2
L5N 4+40E	93	7	105	0.1	22	4
L5N 4+60E	81	5	91	0.1	20	11
L5N 4+80E	90	6	114	0.4	18	8
L5N 5+00E	99	12	123	0.6	21	17
L5N 5+20E	62	14	119	0.3	18	40
L5N 5+40E	62	2	146	0.1	36	1
L5N 5+60E	63	6	74	0.1	17	3
L5N 5+80E	137	5	96	0.5	19	5
L5N 6+00E	132	14	108	0.6	17	6
L5N 6+20E	107	9	91	0.1	18	4
L5N 6+40E	258	9	95	1.9	22	7
L5N 6+60E	43	7	67	0.1	13	5
L5N 6+80E	34	8	57	0.1	10	4
L5N 7+00E	36	2	62	0.1	11	3
L5N 7+20E	51	15	80	0.1	13	16
L5N 7+40E	56	6	88	0.1	14	11
STD C	62	36	132	7.1	42	51

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L5N 7+60E	58	14	96	0.1	14	16
L5N 7+80E	49	10	91	0.1	12	10
L5N 8+00E	91	11	100	0.1	24	14
L5N 8+20E	72	16	112	0.1	16	1
L5N 8+40E	42	15	81	0.1	10	14
L5N 8+60E	58	15	106	0.1	15	4
L5N 8+80E	65	9	86	0.1	20	5
L5N 9+00E	56	13	112	0.1	18	15
L5N 9+20E	43	12	65	0.4	13	2
L5N 9+40E	52	13	84	0.1	14	60
L5N 9+60E	44	7	84	0.2	11	1
L5N 9+80E	35	8	92	0.2	13	1
L5N 10+00E	29	16	73	0.1	6	1
L5N 10+20E	32	15	72	0.1	7	2
L5N 10+40E	48	16	95	0.1	8	15
L5N 10+60E	25	12	59	0.1	4	2
L5N 10+80E	40	12	71	0.1	5	8
L5N 11+00E	37	22	85	0.1	7	4
L3N 3+00W	45	15	97	0.3	10	5
L3N 2+80W	60	17	88	0.6	17	4
L3N 2+60W	49	12	142	0.3	11	1
L3N 2+40W	46	9	114	0.4	7	1
L3N 2+20W	44	10	118	0.2	12	1
L3N 2+00W	64	14	115	0.1	19	2
L3N 1+80W	37	6	71	0.2	7	3
L3N 1+60W	45	8	99	0.5	8	3
L3N 1+40W	60	14	103	0.3	13	1
L3N 1+20W	66	17	89	0.4	10	1
L3N 1+00W	71	13	102	0.7	11	1
L3N 0+80W	49	12	98	0.4	10	1
L3N 0+60W	80	15	130	1.0	11	20
L3N 0+40W	72	14	150	0.9	11	3
L3N 0+20W	72	9	102	0.1	16	1
L3N 0+20E	74	7	101	0.3	18	4
L3N 0+40E	77	15	91	0.1	20	3
L3N 0+60E	69	10	109	0.5	22	2
STD C/AU-S	60	37	132	7.1	42	49

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT-VEGA 1988

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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L3N 0+80E	73	9	109	0.2	23	18
L3N 1+00E	56	6	113	0.2	20	7
L3N 1+20E	62	7	140	0.1	23	6
L3N 1+40E	60	3	175	0.2	24	1
L3N 1+60E	45	2	109	0.3	19	2
L3N 1+80E	45	10	117	0.2	20	1
L3N 2+00E	31	13	125	0.2	10	1
L3N 2+20E	66	5	86	0.1	18	1
L3N 2+40E	37	3	125	0.1	10	5
L3N 2+60E	58	5	108	0.1	16	1
L3N 2+80E	54	2	147	0.1	35	3
L3N 3+00E	98	2	125	0.2	15	1
L3N 3+20E	53	10	74	0.2	9	4
L3N 3+40E	39	2	65	0.1	8	1
L3N 3+60E	83	7	105	0.1	14	3
L3N 3+80E	91	8	98	0.3	12	1
L3N 4+00E	104	2	78	0.2	19	1
L3N 4+20E	121	2	92	0.3	15	2
L3N 4+40E	87	4	122	0.8	15	1
L3N 4+60E	66	7	98	0.2	16	1
L3N 4+80E	77	5	92	0.2	23	2
L3N 5+00E	68	4	83	0.4	21	13
L3N 5+20E	52	7	112	0.3	10	1
L3N 5+40E	47	9	92	0.3	13	2
L3N 5+60E	50	2	140	0.1	10	3
L3N 5+80E	61	2	105	0.4	9	1
L3N 6+00E	102	7	101	0.3	15	1
L3N 6+20E	89	4	99	0.3	21	2
L3N 6+40E	74	2	112	0.5	13	1
L3N 6+60E	43	7	90	0.2	13	1
L05N 3+00W	42	6	74	0.1	23	1
L05N 2+80W	54	2	103	0.3	22	1
L05N 2+60W	37	9	70	0.3	16	1
L05N 2+40W	28	7	58	0.1	10	3
L05N 2+20W	55	2	100	0.1	16	1
L05N 2+00W	34	7	83	0.2	15	1
STD C/AU-S	62	36	132	6.9	43	49

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L05N 1+80W	34	5	79	0.1	11	12
L05N 1+60W	53	8	116	0.2	17	6
L05N 1+40W	68	14	117	0.1	20	2
L05N 1+20W	103	2	107	0.3	15	1
L05N 1+00W	37	10	76	0.1	12	1
L05N 0+80W	42	4	70	0.1	13	1
L05N 0+60W	59	13	118	0.2	21	1
L05N 0+40W	53	2	82	0.2	19	2
L05N 0+20W	66	7	100	0.3	17	1
BL 30+40N	107	12	79	0.2	54	1
BL 30+20N	66	5	93	0.4	29	42
BL 30+00N	36	8	85	0.3	11	4
BL 29+40N	76	17	79	0.2	20	1
BL 29+20N	69	2	90	0.2	14	1
BL 29+00N	65	10	98	0.4	12	1
BL 11+00N	85	11	107	0.5	12	24
BL 10+40N	59	16	83	0.3	16	2
BL 10+20N	91	13	73	0.3	29	1
BL 10+00N	96	7	60	0.4	17	6
BL 9+40N	70	8	69	0.3	10	5
BL 9+20N	81	10	67	0.4	18	18
BL 9+00N	77	23	98	0.3	155	1
BL 8+40N	98	11	86	1.3	29	1
BL 8+20N	46	3	66	0.3	13	1
BL 8+00N	69	6	72	0.1	22	36
BL 7+40N	61	10	79	0.2	18	38
BL 7+20N	49	18	83	0.1	20	1
BL 7+00N	62	5	84	0.1	17	1
BL 6+40N	76	3	77	0.1	23	18
BL 6+20N	58	16	89	0.1	18	2
BL 6+00N	63	14	89	0.3	16	10
BL 5+40N	53	13	100	0.1	18	3
BL 5+20N	69	10	81	0.3	20	1
BL 5+00N	45	5	86	0.4	10	2
BL 4+40N	66	15	97	0.3	23	1
BL 4+20N	69	9	99	0.1	21	1
BL 4+00N	51	8	93	0.4	16	2
STD C/AU-S	61	43	132	6.8	42	51

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMNET CO. INC. PROJECT-VEGA 1988

Acme file # 88-2046 Page 25 Received: JUN 17 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
BL 3+40N	80	3	80	0.4	17	14
BL 3+20N	48	2	86	0.5	12	3
BL 3+00N	55	9	93	0.1	15	1

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1903 Page 1 Received: JUN 12 1988 * 614 samples in t

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
41N 3+00W	52	2	110	0.1	24	4
41N 2+80W	54	4	90	0.1	27	5
41N 2+60W	60	4	108	0.3	34	5
41N 2+40W	47	2	100	0.3	30	6
41N 2+20W	75	2	129	0.3	40	19
41N 2+00W	44	5	100	0.7	28	4
41N 1+80W	48	3	103	0.2	32	9
41N 1+60W	71	4	89	0.6	37	32
41N 1+40W	63	3	114	0.6	30	10
41N 1+20W	86	2	97	0.2	62	137
41N 1+00W	57	5	73	0.1	33	5
41N 0+80W	51	4	79	0.2	50	19
41N 0+60W	51	3	75	0.2	46	4
41N 0+40W	66	5	87	0.5	26	2
41N 0+20W	37	6	81	0.6	10	3
41N 0+20E	58	5	67	0.4	16	2
41N 0+40E	34	7	87	0.4	20	4
41N 0+60E	44	5	88	0.2	84	5
41N 0+80E	32	4	98	0.1	75	1
41N 1+00E	48	3	72	0.1	59	3
41N 1+20E	45	6	80	0.1	75	1
41N 1+40E	53	4	110	0.1	52	14
41N 1+60E	53	4	81	0.1	113	6
41N 1+80E	35	6	74	0.1	26	2
41N 2+00E	34	7	49	0.4	34	7
41N 2+20E	37	5	93	0.1	15	3
41N 2+40E	53	3	84	0.4	64	1
41N 2+60E	41	9	104	0.2	84	2
41N 2+80E	74	7	201	0.4	64	7
41N 3+00E	54	4	90	1.6	10	1
41N 3+20E	55	5	72	0.1	49	34
41N 3+40E	74	2	104	0.1	101	1
41N 3+60E	55	5	109	0.1	75	1
41N 3+80E	43	5	76	0.1	37	410
41N 4+00E	70	4	100	0.2	55	14
41N 4+20E	33	6	76	0.6	27	18
STD C/AU-S	60	39	132	6.9	43	51

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1903 Page 2 Received: JUN 14 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
41N 4+40E	41	7	118	0.3	35	4
41N 4+60E	63	7	80	0.1	61	38
41N 4+80E	56	5	111	0.1	61	5
41N 5+00E	53	6	99	0.1	37	15
39N 3+00W	121	4	107	0.1	53	15
39N 2+80W	87	5	128	0.1	59	8
39N 2+60W	59	4	135	0.1	32	13
39N 2+40W	91	5	106	0.1	40	4
39N 2+20W	61	7	113	0.1	29	4
39N 2+00W	81	3	80	0.1	64	5
39N 1+80W	81	4	99	0.1	86	53
39N 1+60W	51	5	101	0.2	45	11
39N 1+40W	64	4	97	0.1	49	19
39N 1+20W	131	6	82	0.7	52	10
39N 1+00W	65	8	99	0.6	39	2
39N 0+80W	55	6	103	0.3	33	5
39N 0+60W	65	5	97	0.1	32	22
39N 0+40W	82	6	96	0.3	37	12
39N 0+20W	88	5	86	0.8	29	4
39N 0+20E	42	4	83	0.1	22	2
39N 0+40E	38	4	75	0.1	17	1
39N 0+60E	39	4	77	0.1	20	1
39N 0+80E	38	7	69	0.2	22	13
39N 1+00E	29	4	66	0.3	8	4
39N 1+20E	28	6	51	0.6	6	1
39N 1+40E	35	5	71	0.4	9	5
39N 1+60E	36	4	92	0.1	10	1
39N 1+80E	49	3	88	0.1	25	5
39N 2+00E	113	5	84	1.5	17	4
39N 2+20E	40	4	104	0.4	26	39
39N 2+40E	38	6	66	0.3	11	112
39N 2+60E	48	7	97	0.1	41	46
39N 2+80E	46	8	78	0.1	28	8
39N 3+00E	54	7	94	0.1	32	96
39N 3+20E	59	6	112	0.1	35	44
39N 3+40E	44	6	87	0.2	27	35
STD C/AU-S	58	39	132	7.0	40	49

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1903 Page 3 Received:

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
39N 3+60E	47	8	104	0.4	22	15
39N 3+80E	50	6	107	0.1	46	8
39N 4+00E	46	6	94	0.1	37	6
39N 4+20E	41	4	78	0.2	17	6
39N 4+40E	38	6	82	0.1	14	60
39N 4+60E	54	8	126	0.2	23	9
39N 4+80E	50	5	113	0.1	16	3
39N 5+00E	30	6	60	0.2	5	11
37N 3+00W	66	2	146	0.1	32	18
37N 2+80W	65	2	102	0.1	30	11
37N 2+60W	59	5	154	0.1	24	56
37N 2+40W	71	4	103	0.1	26	116
37N 2+20W	72	5	132	0.4	19	97
37N 2+00W	54	4	76	0.1	21	15
37N 1+80W	119	2	101	0.1	112	4
37N 1+60W	58	5	97	0.1	32	20
37N 1+40W	87	2	77	0.1	62	29
37N 1+20W	64	4	84	0.3	48	26
37N 1+00W	44	2	63	0.3	40	50
37N 0+80W	67	2	85	0.1	43	27
37N 0+60W	56	3	74	0.6	36	9
37N 0+40W	140	2	113	0.6	68	33
37N 0+20W	64	2	83	0.1	46	18
37N 0+20E	50	6	79	0.2	30	9
37N 0+60E	60	4	93	0.1	27	5
37N 0+80E	50	6	82	0.2	24	19
37N 1+00E	74	6	92	0.1	32	12
37N 1+40E	54	5	116	0.4	24	28
37N 2+40E	26	5	42	0.4	8	35
37N 2+60E	60	3	97	0.1	27	16
37N 2+80E	62	4	107	0.1	22	43
37N 3+00E	44	2	74	0.1	20	17
37N 3+20E	62	2	88	0.1	23	4
37N 3+40E	60	7	114	0.2	28	21
37N 3+60E	65	7	141	0.1	32	14
37N 3+80E	54	11	143	0.1	52	16
STD C/AU-S	57	38	130	6.6	38	53

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1903 Page 4 Received: JUN 12 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
37N 4+20E	52	5	110	0.4	32	1
37N 4+40E	55	4	113	0.5	22	1
37N 4+60E	51	7	88	0.1	24	2
37N 4+80E	39	4	92	0.1	15	16
35N 3+00W	58	4	103	0.1	23	8
35N 2+80W	67	2	76	0.1	19	3
35N 2+60W	38	3	110	0.2	13	6
35N 2+40W	38	6	77	1.0	15	9
35N 2+20W	68	4	112	0.6	19	1
35N 2+00W	40	8	69	0.6	8	1
35N 1+80W	45	4	74	0.6	13	19
35N 1+60W	51	3	94	0.3	19	10
35N 1+40W	52	2	127	1.3	26	11
35N 1+20W	48	2	79	0.1	24	13
35N 1+00W	51	2	77	0.2	19	1
35N 0+80W	47	2	75	0.4	229	465
35N 0+60W	49	2	70	0.3	25	20
35N 0+40W	84	6	81	0.7	36	6
35N 0+20W	60	2	95	0.9	35	18
35N 3+80E	53	5	100	0.7	22	7
35N 4+00E	67	7	108	0.3	33	15
35N 4+40E	38	7	73	0.2	18	19
35N 4+60E	45	4	97	0.1	23	73
35N 4+80E	51	4	98	0.1	20	12
35N 5+00E	44	4	89	0.2	18	25
33N 3+00W	164	5	239	0.4	33	2
33N 2+80W	68	4	129	0.4	47	5
33N 2+60W	179	6	133	0.1	29	24
33N 2+40W	161	2	126	0.1	39	3
33N 2+20W	94	2	105	0.1	21	15
33N 2+00W	85	2	98	0.2	25	3
33N 1+80W	92	4	103	0.1	30	7
33N 1+60W	170	4	134	0.9	37	9
33N 1+40W	82	5	110	0.7	43	6
33N 1+20W	117	5	135	0.6	41	11
33N 1+00W	79	9	133	0.8	25	18
STD C/AU-S	58	40	129	7.1	40	50

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1903 Page 5 Received: JUN 14 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
33N 0+80W	85	2	123	0.5	50	48
33N 0+60W	56	5	84	0.5	49	76
33N 0+40W	93	4	101	0.5	65	79
33N 0+20W	70	4	82	0.7	93	103
33N 0+20E	65	4	48	0.3	111	1010
33N 0+40E	94	3	62	0.1	85	575
33N 0+60E	76	2	58	0.3	122	186
33N 0+80E	73	2	72	0.1	78	126
33N 1+00E	126	4	82	0.5	85	685
33N 1+20E	83	2	82	0.6	42	37
33N 1+40E	43	2	131	0.8	30	8
33N 1+60E	38	4	107	0.7	11	11
33N 1+80E	102	5	96	0.5	50	22
33N 2+00E	50	2	110	0.1	29	8
33N 2+20E	35	5	99	0.2	19	25
33N 2+40E	62	7	119	0.5	38	2
33N 2+60E	70	3	93	0.5	39	83
33N 2+80E	48	10	180	0.6	36	1
33N 3+00E	113	20	521	1.0	57	1
33N 3+20E	74	6	220	0.5	87	1
33N 3+40E	51	7	209	0.2	61	4
33N 3+60E	64	5	193	0.3	77	1
33N 3+80E	52	5	152	0.1	33	1
33N 4+00E	49	4	162	0.6	26	3
33N 4+20E	45	7	130	1.1	18	5
33N 4+40E	42	5	112	0.5	14	1
33N 4+60E	66	13	149	0.3	29	1
33N 4+80E	78	14	479	0.6	139	1
33N 5+00E	103	10	129	0.2	41	1
31N 0+20E	209	5	78	0.1	50	5
31N 0+40E	261	2	54	0.4	42	7
31N 0+60E	292	7	66	1.4	95	9
31N 1+00E	136	3	70	0.2	44	43
31N 1+20E	144	5	69	0.5	37	18
31N 1+40E	128	4	74	0.2	46	6
31N 1+60E	91	3	90	0.2	36	4
STD C/AU-S	58	37	132	7.0	41	53

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1903 Page 6 Received: JUN 14 1988

	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
31N	1+80E	133	7	76	0.4	49	25
31N	2+00E	213	5	83	0.7	67	99
31N	2+20E	89	5	101	0.1	46	9
31N	2+40E	64	7	120	0.3	73	1
31N	2+60E	64	11	149	0.3	39	2
31N	2+80E	49	9	139	0.4	56	1
31N	3+00E	58	11	259	0.1	58	1
31N	3+20E	91	13	243	0.4	253	17
31N	3+40E	48	18	354	0.3	136	1
31N	3+60E	68	11	184	0.2	31	3
31N	3+80E	45	19	227	0.4	29	26
31N	4+00E	53	37	336	0.2	7	1
31N	4+20E	53	31	297	0.2	27	2
31N	4+40E	56	17	235	0.2	19	1
31N	4+60E	47	47	320	0.4	21	1
31N	4+80E	35	27	246	0.3	11	1
31N	5+00E	47	7	138	0.2	15	1
29N	2+60W	67	5	128	0.1	26	24
29N	2+20W	69	5	110	0.1	26	10
29N	2+00W	61	5	98	0.3	21	24
29N	1+60W	70	5	88	0.5	29	210
29N	1+40W	71	6	112	0.2	30	17
29N	1+20W	59	6	106	0.1	25	69
29N	1+00W	64	4	92	0.1	16	1
29N	0+80W	74	5	95	0.3	10	5
29N	0+60W	68	6	66	0.5	18	1
29N	0+40W	79	7	97	0.1	12	4
29N	0+20W	43	5	103	0.1	10	1
27N	3+00W	30	3	96	0.1	6	1
27N	2+80W	64	4	93	0.1	8	2
27N	2+60W	56	6	110	0.1	22	1
27N	2+20W	39	4	115	0.1	14	1
27N	2+00W	52	4	98	0.1	22	1
27N	1+80W	79	6	76	0.1	19	4
27N	1+60W	82	6	69	0.1	20	3
27N	1+40W	56	6	105	0.2	14	6
STD	C/AU-S	58	38	132	6.8	39	48

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1903 Page 7 Received: JUN 14 1988

	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
27N 1+20W	37	3	96	0.3	11	1	
27N 1+00W	58	5	82	0.3	30	3	
27N 0+80W	146	3	68	0.1	32	12	
27N 0+60W	126	2	68	0.2	17	3	
27N 0+20W	132	2	64	0.5	101	42	
27N 0+20E	102	2	68	0.1	54	17	
27N 0+40E	107	2	77	0.4	190	9	
27N 0+60E	227	2	65	0.1	153	43	
27N 1+00E	126	2	102	0.1	138	10	
27N 1+20E	49	2	105	0.1	148	2	
27N 1+60E	198	2	87	0.3	55	6	
27N 1+80E	168	4	95	0.2	44	15	
27N 2+00E	406	2	72	0.4	35	74	
27N 2+20E	245	3	66	0.2	50	560	
27N 2+40E	81	4	81	0.1	25	14	
27N 2+60E	94	2	94	0.3	26	8	
27N 2+80E	147	2	89	0.3	24	11	
27N 3+00E	63	2	72	0.1	9	38	
27N 3+20E	77	2	81	0.1	27	7	
27N 3+40E	68	4	103	0.2	23	3	
27N 3+60E	72	4	91	0.2	27	4	
27N 3+80E	52	4	92	0.1	24	5	
27N 4+00E	75	5	70	0.7	26	13	
27N 4+20E	87	4	72	0.6	19	76	
27N 4+40E	107	6	81	0.6	29	110	
27N 4+60E	60	4	128	0.5	27	11	
27N 4+80E	62	6	125	0.6	27	1	
27N 5+00E	52	5	94	0.5	20	9	
27N 5+20E	46	5	107	0.7	22	10	
27N 5+40E	42	5	107	0.7	17	1	
27N 5+60E	63	6	110	0.3	29	6	
27N 5+80E	59	8	115	0.6	29	4	
27N 6+00E	73	6	128	0.9	31	5	
27N 6+20E	57	8	101	0.5	25	3	
27N 6+40E	75	8	129	0.6	21	12	
27N 6+60E	50	6	123	0.3	28	14	
STD C/AU-S	59	38	132	7.1	41	52	

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1903 Page 8 Received: JUN 14 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
27N 6+80E	50	6	147	0.2	24	6
27N 7+00E	38	6	108	0.4	20	8
27N 7+20E	49	8	107	0.2	18	87
27N 7+40E	55	7	119	0.2	17	22
27N 7+60E	52	5	96	0.8	15	3
27N 7+80E	87	4	100	0.3	29	7
27N 8+00E	77	6	107	0.8	23	19
27N 8+20E	88	6	139	0.4	20	12
27N 8+40E	53	5	159	0.6	14	11
27N 8+60E	40	6	156	0.8	12	1
27N 8+80E	56	5	135	0.7	23	2
27N 9+00E	52	4	103	0.9	19	13
27N 9+20E	37	3	114	0.6	10	1
27N 9+40E	69	6	109	0.2	15	8
27N 9+60E	150	7	101	1.2	32	2
27N 9+80E	109	4	99	1.3	10	3
27N 10+00E	162	5	94	0.6	35	39
27N 10+20E	140	5	81	0.6	28	22
27N 10+40E	98	3	58	1.9	2	1
27N 10+60E	50	2	55	0.7	2	1
27N 10+80E	51	2	70	0.4	2	2
27N 11+00E	53	2	114	0.7	3	1
27N 11+20E	67	2	69	1.2	2	1
27N 11+40E	63	3	163	0.2	5	2
27N 11+60E	58	8	139	0.6	15	16
25N 3+00W	53	2	71	0.1	45	1
25N 2+80W	189	2	73	0.3	20	1
25N 2+60W	91	2	71	0.1	18	1
25N 2+40W	90	3	99	0.1	22	1
25N 2+20W	451	2	93	0.3	49	4
25N 2+00W	137	2	76	0.1	32	7
25N 1+80W	130	2	99	0.3	31	1
25N 1+60W	231	4	93	0.4	34	12
25N 1+40W	513	6	80	0.9	26	29
25N 1+20W	501	6	65	1.2	40	52
25N 1+00W	391	3	77	0.7	42	63
STD C/AU-S	62	38	133	7.4	43	50

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1903 Page 9 Received: JUN 14 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
25N 0+80W	145	2	95	0.5	34	23
25N 0+60W	116	3	81	0.3	32	7
25N 0+40W	113	2	89	0.5	22	11
25N 0+20W	111	2	91	0.2	26	14
25N 0+20E	121	2	100	0.4	40	16
25N 0+40E	407	2	74	1.3	69	19
25N 0+60E	704	2	92	0.5	246	182
25N 1+40E	115	4	113	0.5	25	52
25N 1+60E	34	3	74	0.7	9	41
25N 2+00E	58	2	56	0.1	28	162
25N 2+20E	76	3	68	0.4	26	325
25N 2+40E	79	2	56	0.3	17	1
25N 2+80E	216	3	69	0.5	57	142
25N 4+60E	80	5	86	0.6	11	29
25N 5+40E	61	5	77	0.1	48	58
25N 5+60E	40	4	50	0.2	15	635
25N 5+80E	108	7	93	0.9	52	78
25N 6+00E	249	4	104	0.2	127	155
25N 6+20E	49	3	87	0.1	22	10
25N 6+40E	80	6	91	0.2	26	88
25N 6+60E	109	7	100	0.7	34	29
25N 6+80E	87	7	104	0.5	45	75
25N 7+00E	63	7	88	0.4	37	17
25N 7+20E	54	6	86	0.1	21	22
25N 7+40E	88	7	96	0.4	21	3
25N 7+60E	38	6	73	0.2	13	2
25N 7+80E	116	2	113	0.2	27	35
25N 8+00E	81	5	87	0.3	22	6
25N 8+20E	51	5	76	0.5	20	38
25N 8+40E	104	4	113	0.2	35	20
25N 8+60E	71	3	113	0.4	22	8
25N 8+80E	82	5	87	0.5	30	19
25N 9+00E	47	4	95	0.7	23	1
25N 9+20E	54	3	126	0.3	15	1
25N 9+40E	38	6	91	0.6	8	1
25N 9+60E	51	2	107	0.5	17	2
STD C/AU-S	60	38	132	6.9	40	53

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

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	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
25N	9+80E	57	2	131	0.4	20	15
25N	10+00E	53	3	127	0.1	18	8
25N	10+20E	106	7	109	0.4	22	6
25N	10+40E	65	3	56	0.5	2	1
25N	10+60E	48	3	55	0.4	2	3
25N	10+80E	74	3	65	0.6	2	1
25N	11+00E	62	2	71	0.1	2	6
25N	11+20E	28	4	79	0.2	2	4
25N	11+40E	55	6	94	0.4	8	1
25N	11+60E	28	3	65	0.3	2	3
25N	11+80E	34	2	62	0.1	2	2
25N	12+00E	27	2	60	0.1	2	2
25N	12+20E	30	5	142	0.1	14	1
25N	12+40E	89	5	126	0.5	17	5
25N	12+60E	97	4	112	0.1	21	9
25N	12+80E	243	7	118	1.5	21	6
25N	13+00E	35	6	88	0.5	17	5
23N	3+00W	803	5	73	1.0	1235	49
23N	2+60W	611	2	66	0.7	403	28
23N	2+40W	288	2	58	0.1	295	56
23N	2+20W	127	2	83	0.2	43	16
23N	2+00W	69	4	89	0.1	33	1
23N	1+20W	75	2	64	0.2	30	13
23N	0+60W	53	5	52	0.3	25	11
23N	0+40W	64	3	57	0.3	20	5
23N	0+20W	176	2	82	0.8	37	17
23N	4+20E	68	2	116	0.2	19	9
23N	4+40E	62	2	82	0.1	21	110
23N	4+60E	99	2	78	0.9	19	535
23N	4+80E	64	5	76	0.1	26	195
23N	5+00E	84	4	87	0.1	22	176
23N	5+20E	58	2	81	0.5	21	510
23N	5+40E	107	2	92	0.4	23	210
23N	5+60E	105	3	94	1.0	22	335
23N	5+80E	67	2	104	0.5	22	12
23N	6+00E	49	4	96	1.1	17	22
STD	C/AU-S	60	38	132	7.0	43	52

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
23N 6+20E	57	4	94	0.2	8	38
23N 6+40E	116	2	85	0.5	33	77
23N 6+60E	39	5	82	0.6	13	11
23N 6+80E	127	2	88	0.3	54	270
23N 7+00E	152	2	89	0.2	64	129
23N 7+20E	76	2	108	0.2	21	83
23N 7+40E	48	2	137	0.1	14	21
23N 7+60E	139	2	105	0.1	49	109
23N 7+80E	139	2	123	0.3	54	120
23N 8+00E	43	6	71	0.6	27	83
21N 3+00W	55	2	72	0.2	19	5
21N 2+80W	57	2	81	0.1	14	3
21N 2+60W	57	2	73	0.2	19	1
21N 2+40W	66	2	89	0.1	21	1
21N 2+20W	108	2	69	0.2	27	4
21N 2+00W	105	2	80	0.1	22	2
21N 1+80W	165	2	82	0.1	26	7
21N 1+60W	129	2	59	0.4	43	9
21N 1+40W	77	2	79	0.4	14	7
21N 1+20W	89	2	88	0.5	62	1
21N 1+00W	55	2	75	0.3	19	2
21N 0+80W	61	2	80	0.4	22	1
21N 0+60W	37	3	72	0.1	13	1
21N 0+40W	51	2	56	0.1	11	3
21N 0+20W	149	2	71	0.4	36	8
21N 0+20E	92	2	66	0.3	40	17
21N 0+40E	29	4	73	0.5	11	21
21N 0+60E	100	3	76	0.1	23	3
21N 0+80E	54	3	55	0.6	11	6
21N 1+00E	79	2	81	0.2	21	7
21N 1+20E	91	2	85	0.1	39	52
21N 1+40E	237	4	68	0.5	72	117
21N 1+60E	223	2	69	0.3	182	560
21N 1+80E	234	2	56	0.1	67	250
21N 2+00E	515	2	69	0.5	47	200
21N 2+20E	180	2	76	0.4	59	31
STD C/AU-S	60	37	132	7.1	42	49

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
21N 2+40E	129	4	87	0.8	37	43
21N 2+60E	96	2	110	0.1	39	6
21N 2+80E	423	6	82	0.4	67	59
21N 3+00E	143	2	105	0.6	12	5
21N 3+20E	131	4	87	0.2	19	2
21N 3+40E	62	5	85	0.1	15	5
21N 3+60E	88	3	73	0.2	17	13
21N 3+80E	59	4	68	0.3	17	16
21N 4+00E	77	2	100	1.1	17	3
21N 4+20E	91	4	84	0.3	22	46
21N 4+40E	56	2	80	0.1	13	4
21N 4+60E	64	6	85	0.4	21	79
21N 4+80E	65	5	90	0.1	21	6
21N 5+00E	52	3	60	0.1	13	38
21N 5+20E	89	2	70	0.1	24	26
21N 5+40E	82	2	103	0.9	18	9
21N 5+60E	40	2	80	0.4	9	7
21N 5+80E	53	2	115	0.5	10	1
21N 6+00E	92	2	98	0.4	18	23
21N 6+20E	89	4	158	0.5	418	13
21N 6+40E	92	5	136	0.4	25	27
21N 6+60E	59	2	98	0.2	18	6
21N 6+80E	65	2	89	0.1	18	18
21N 7+00E	94	2	137	0.7	38	28
21N 7+20E	55	2	114	0.5	10	2
21N 7+40E	77	4	91	0.1	24	31
21N 7+60E	89	3	130	0.5	40	26
21N 7+80E	88	3	122	0.6	39	30
21N 8+00E	56	4	84	0.5	12	11
21N 8+20E	204	3	120	0.2	57	71
21N 8+40E	159	3	96	0.6	38	104
21N 8+60E	164	2	106	0.6	31	56
21N 8+80E	190	2	118	1.3	28	61
21N 9+00E	148	2	117	0.1	31	47
21N 9+20E	145	3	108	0.5	27	76
21N 9+40E	159	4	113	0.7	31	62
STD C/AU-S	61	41	132	7.3	42	51

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
21N 9+60E	99	3	85	0.5	24	50
21N 9+80E	56	5	75	1.1	21	44
21N 10+00E	70	4	117	0.8	27	26
21N 10+20E	37	5	82	0.6	23	2
21N 10+40E	62	5	144	0.9	95	9
21N 10+60E	56	7	134	0.7	45	1
21N 10+80E	73	9	140	0.9	114	1
21N 11+00E	80	6	238	0.8	19	1
21N 11+20E	39	6	58	0.5	4	2
21N 11+40E	17	2	51	0.2	2	6
21N 11+60E	22	7	70	1.0	10	1
21N 11+80E	35	7	63	0.7	13	1
21N 12+00E	136	3	104	0.7	11	1
21N 12+20E	58	2	103	0.4	6	1
21N 12+40E	56	3	85	0.2	16	1
21N 12+60E	31	5	52	0.5	3	4
21N 12+80E	61	2	78	0.4	3	1
21N 13+00E	40	7	90	0.1	6	4
21N 13+20E	38	3	105	0.6	12	7
21N 13+40E	25	6	105	0.6	16	1
21N 13+60E	31	6	108	0.4	4	6
21N 13+80E	46	3	90	0.3	13	1
21N 14+00E	41	5	98	0.5	14	82
19N 3+00W	87	3	135	0.9	27	2
19N 2+80W	80	2	74	0.7	35	4
19N 2+60W	95	2	51	0.6	38	235
19N 2+40W	54	2	44	0.2	19	13
19N 2+20W	77	2	77	0.7	17	2
19N 2+00W	54	3	62	0.1	12	1
19N 1+80W	44	4	78	0.6	6	1
19N 1+60W	116	5	92	0.4	21	8
19N 1+40W	78	2	105	0.4	20	1
19N 1+20W	64	3	157	0.2	14	3
19N 1+00W	35	3	96	0.5	12	5
19N 0+80W	96	2	88	0.6	25	8
19N 0+60W	69	2	90	0.2	14	1
STD C/AU-S	57	38	131	6.7	42	49

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
To CANMINE DEVELOPMENT PROJECT-VEGA

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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
19N 0+40W	47	4	59	0.3	25	3
19N 0+20W	63	3	82	0.9	17	2
19N 0+20E	99	4	107	0.6	25	2
19N 0+40E	69	5	99	1.1	20	1
19N 0+60E	54	5	98	2.0	6	5
19N 0+80E	70	2	114	0.3	20	1
19N 1+00E	80	6	122	0.5	33	4
19N 1+20E	348	5	101	0.8	68	78
19N 1+40E	80	3	80	0.3	27	1
19N 1+60E	167	5	92	1.3	61	27
19N 1+80E	212	5	92	0.8	60	19
19N 2+00E	624	3	83	1.2	140	72
19N 2+20E	157	5	71	1.2	62	240
19N 2+40E	139	6	68	0.6	78	19
19N 2+60E	643	2	74	0.5	178	11
19N 2+80E	237	6	88	0.5	165	21
19N 3+00E	177	4	85	0.2	81	41
19N 3+20E	140	7	96	0.9	52	23
19N 3+40E	129	4	104	0.7	43	132
19N 3+60E	198	7	96	0.8	52	116
19N 3+80E	121	5	87	1.2	27	7
19N 4+00E	108	5	110	0.2	39	34
19N 4+20E	83	2	120	0.6	19	3
19N 4+40E	121	5	119	0.7	25	1
19N 4+60E	55	7	95	1.1	18	2
19N 4+80E	83	2	132	1.0	19	1
19N 5+00E	76	5	120	0.6	27	1
19N 10+20E	54	18	168	0.4	158	1
19N 10+40E	68	14	140	0.2	185	1
19N 10+60E	60	15	132	0.7	293	1
19N 10+80E	47	14	116	0.6	640	1
19N 11+00E	111	12	134	0.4	165	13
19N 11+20E	60	12	174	0.7	69	2
19N 11+40E	36	9	95	0.6	27	3
17N 3+00W	62	5	74	0.1	26	1
17N 2+80W	126	3	68	0.5	72	1
STD C/AU-S	62	41	134	7.6	44	48

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
17N 2+60W	169	2	52	0.4	86	5
17N 2+40W	58	4	56	0.5	35	1
17N 2+20W	98	6	63	0.8	55	1
17N 2+00W	117	3	80	0.5	49	18
17N 1+80W	71	5	83	0.4	48	1
17N 1+60W	94	6	66	0.7	23	1
17N 1+40W	56	5	89	1.3	8	1
17N 1+20W	66	7	90	0.8	7	1
17N 1+00W	87	4	99	0.5	15	1
17N 0+80W	51	6	86	0.5	24	1
17N 0+60W	76	7	119	0.3	13	1
17N 0+40W	37	6	103	0.3	6	1
17N 0+20W	42	5	95	0.1	6	1
11N 1+60W	113	8	80	0.6	25	470
11N 1+40W	143	7	88	0.5	41	92
11N 1+20W	37	4	62	0.1	8	21
11N 1+00W	24	6	60	0.1	8	11
11N 0+80W	88	9	92	0.9	21	8
11N 0+60W	56	8	75	0.7	11	78
11N 0+40W	93	4	77	0.1	14	4
11N 0+20W	99	3	75	0.4	22	9
B.L. 42+40N	93	6	80	1.7	92	1
B.L. 42+20N	74	6	112	0.2	64	1
B.L. 42+00N	50	3	93	0.1	43	15
B.L. 41+40N	43	7	78	0.1	21	1
B.L. 41+20N	43	5	75	0.9	30	1
B.L. 41+00N	69	6	79	0.5	37	3
B.L. 40+40N	64	6	76	0.3	19	1
B.L. 40+20N	71	9	126	0.7	13	1
B.L. 40+00N	63	5	73	0.3	20	1
B.L. 39+40N	58	8	99	0.5	15	1
B.L. 39+20N	59	8	85	0.4	15	1
B.L. 39+00N	45	6	87	0.5	18	6
B.L. 38+40N	52	9	108	0.7	25	1
B.L. 38+20N	44	5	88	0.1	14	3
B.L. 38+00N	72	4	113	0.1	22	6
STD C/AU-S	60	39	132	6.9	40	48

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
B.L. 37+40N	76	7	104	0.5	44	4
B.L. 37+20N	71	4	114	0.9	49	21
B.L. 37+00N	63	7	115	0.5	38	290
B.L. 36+40N	63	7	80	0.2	43	8
B.L. 36+20N	110	7	132	1.1	52	11
B.L. 36+00N	71	4	98	0.8	52	13
B.L. 35+40N	69	4	104	0.3	50	22
B.L. 35+20N	45	7	104	1.0	52	29
B.L. 35+00N	87	5	158	0.6	73	5
B.L. 34+40N	62	6	81	0.4	25	53
B.L. 34+20N	68	6	117	0.3	36	87
B.L. 34+00N	48	6	86	0.9	26	21
B.L. 33+40N	105	4	117	0.2	46	63
B.L. 33+20N	69	5	86	0.2	42	51
B.L. 33+00N	165	5	88	0.1	104	89
B.L. 32+40N	105	5	63	0.6	77	96
B.L. 32+20N	136	5	65	0.4	78	15
B.L. 32+00N	244	2	82	0.3	248	420
B.L. 31+40N	101	2	75	0.3	74	83
B.L. 31+20N	149	5	80	0.3	83	75
B.L. 31+00N	208	3	80	0.2	60	13
B.L. 28+40N	55	4	95	0.1	10	1
B.L. 28+20N	90	6	85	0.3	19	11
B.L. 28+00N	122	7	104	0.5	43	3
B.L. 27+40N	65	6	80	0.6	16	10
B.L. 27+20N	90	5	71	0.1	48	5
B.L. 27+00N	124	7	69	0.6	71	8
B.L. 26+40N	133	6	66	0.6	222	4
B.L. 26+20N	101	3	76	0.1	100	2
B.L. 26+00N	181	2	69	0.1	94	12
B.L. 25+40N	138	3	56	0.2	72	4
B.L. 25+20N	128	3	86	0.3	106	10
B.L. 25+00N	138	7	109	0.2	42	5
B.L. 24+40N	276	4	85	0.1	171	104
B.L. 24+20N	83	9	66	0.2	35	1
B.L. 24+00N	124	4	51	0.1	34	16
STD C/AU-S	62	39	132	7.1	42	49

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

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ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
B.L. 23+40N	66	5	76	0.1	29	7
B.L. 23+20N	55	4	49	0.1	12	1
B.L. 23+00N	75	5	67	0.2	24	3
B.L. 22+40N	75	4	78	0.4	23	3
B.L. 22+20N	64	2	69	0.7	21	1
B.L. 22+00N	82	2	76	0.1	22	1
B.L. 21+40N	58	5	53	0.1	13	1
B.L. 21+20N	64	5	69	0.1	24	2
B.L. 21+00N	117	2	77	0.1	25	12
B.L. 20+40N	85	5	83	0.1	24	2
B.L. 20+20N	57	4	73	0.2	18	1
B.L. 20+00N	51	3	76	0.2	13	1
B.L. 19+40N	60	4	88	0.1	17	10
B.L. 19+20N	67	2	88	0.1	11	1
B.L. 19+00N	74	3	65	0.1	15	1
B.L. 18+40N	83	4	80	0.4	34	1
B.L. 18+20N	62	3	73	0.1	17	5
B.L. 18+00N	61	2	90	0.1	18	3
B.L. 17+40N	54	2	111	0.1	23	2
B.L. 17+20N	58	2	112	0.1	10	1
B.L. 17+00N	102	4	100	0.1	20	17
B.L. 16+40N	77	5	103	0.2	17	1
B.L. 16+20N	32	8	84	0.1	8	3
B.L. 16+00N	109	6	108	0.1	20	1
B.L. 15+40N	63	5	112	0.2	17	3
B.L. 15+20N	65	7	110	0.2	15	1
B.L. 15+00N	64	4	115	0.1	20	1
B.L. 14+40N	38	4	76	0.1	11	1
B.L. 14+20N	61	3	104	0.1	13	2
B.L. 14+00N	49	2	98	0.4	16	1
B.L. 13+40N	67	5	87	0.3	21	11
B.L. 13+20N	67	4	87	0.1	23	14
B.L. 13+00N	62	2	97	0.1	18	9
B.L. 12+40N	51	8	107	0.2	16	1
B.L. 12+20N	45	5	141	0.4	13	1
B.L. 12+00N	40	7	78	0.1	11	630
STD C/AU-S	60	38	132	6.9	44	48

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1903 Page 18 Received: JUN 13 1988

	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
B.L.	11+40N	66	5	116	0.1	20	430
B.L.	11+20N	134	2	165	0.2	71	4

38 6 3 1 1 0

11 6 6 6 6 6 6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1665 Page 1 Received: MAY 30 1988 * 133 samples in t

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L47N 3+00W	68	2	111	0.1	62	1
L47N 2+80W	70	5	131	0.2	41	2
L47N 2+60W	52	14	135	0.9	44	1
L47N 2+40W	43	10	111	0.5	39	5
L47N 2+20W	75	11	100	0.9	48	11
L47N 2+00W	67	5	82	0.1	36	8
L47N 1+80W	128	6	73	0.4	15	9
L47N 1+60W	69	10	106	0.3	27	1
L47N 1+40W	41	2	76	0.1	15	6
L47N 1+20W	31	2	74	0.1	9	1
L47N 1+00W	47	2	69	1.0	14	4
L47N 0+80W	62	3	68	0.1	10	2
L47N 0+60W	33	9	69	0.5	10	1
L47N 0+40W	77	6	88	0.6	38	8
L47N 0+20W	54	12	91	0.6	22	2
L47N 0+20E	69	5	101	0.1	22	23
L47N 0+40E	52	14	83	1.1	19	12
L47N 0+60E	29	2	71	0.3	10	1
L47N 0+80E	69	6	92	0.2	29	4
L47N 1+00E	26	10	59	0.3	12	5
L47N 1+20E	38	13	83	0.3	18	6
L47N 1+40E	53	7	88	0.7	16	18
L47N 1+60E	56	13	95	0.8	15	14
L47N 1+80E	41	4	107	0.1	18	1
L47N 2+00E	64	12	121	1.1	28	36
L47N 2+20E	67	9	121	0.7	28	66
L47N 2+40E	75	17	94	0.2	24	58
L47N 2+60E	59	2	73	2.3	28	13
L47N 2+80E	88	7	105	0.4	23	24
L47N 3+00E	83	10	72	0.7	11	21
L47N 3+20E	181	16	123	1.3	29	44
L47N 3+40E	120	20	94	0.3	24	19
L47N 3+60E	147	7	67	2.1	17	14
L47N 3+80E	52	7	60	0.4	13	2
L47N 4+00E	74	9	63	1.4	25	7
L47N 4+20E	37	4	59	0.8	38	1
L47N 4+40E	104	2	53	0.3	24	1
STD C/AU-S	62	38	132	7.7	36	51

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1665 Page 2 Received: MAY 30 1988

ELEMENT SAMPLES	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
L47N 4+60E	81	3	101	0.4	18	9
L47N 4+80E	18	2	48	0.3	2	2
L47N 5+00E	71	3	60	1.9	9	8
L45N 3+00W	63	9	89	0.5	48	3
L45N 2+80W	58	2	98	0.3	41	10
L45N 2+60W	83	9	94	0.2	84	1
L45N 2+40W	47	7	96	0.2	41	1
L45N 2+20W	67	17	105	0.4	61	1
L45N 2+00W	98	2	58	0.8	201	1
L45N 1+80W	100	18	143	0.3	44	2
L45N 1+60W	51	6	158	0.4	26	1
L45N 1+40W	60	2	97	0.3	19	1
L45N 1+20W	60	14	84	0.1	35	9
L45N 1+00W	85	2	120	0.4	66	25
L45N 0+80W	30	3	81	0.3	12	3
L45N 0+60W	53	4	109	0.1	34	1
L45N 0+40W	53	3	79	0.1	55	4
L45N 0+20W	78	11	83	0.8	30	2
L45N 0+20E	44	10	76	0.8	93	5
L45N 0+40E	34	4	47	0.1	18	2
L45N 0+60E	55	6	82	0.2	183	3
L45N 0+80E	49	18	106	0.4	40	1
L45N 1+00E	62	4	103	0.5	24	1
L45N 1+20E	107	9	97	0.5	35	4
L45N 1+40E	62	2	97	0.4	25	15
L45N 1+60E	57	12	100	0.8	22	2
L45N 1+80E	37	12	88	0.4	15	1
L45N 2+00E	35	17	102	0.1	18	6
L45N 2+20E	62	8	91	0.4	18	1
L45N 2+40E	109	18	175	0.7	29	2
L45N 2+60E	60	12	91	0.2	26	1
L45N 2+80E	51	4	112	0.2	26	6
L45N 3+00E	45	11	121	0.4	26	1
L45N 3+20E	34	12	68	0.1	15	1
L45N 3+40E	41	11	121	0.3	17	1
L45N 3+60E	27	4	94	0.5	2	1
STD C/AU-S	57	41	128	7.2	38	48

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1665 Page 3 Received: JUN 01 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L45N 3+80E	58	5	81	1.1	6	1
L45N 4+00E	51	2	75	0.6	5	1
L45N 4+20E	54	2	103	0.7	25	1
L45N 4+40E	46	2	130	0.5	24	1
L45N 4+60E	134	14	163	0.9	36	3
L45N 4+80E	36	14	88	1.2	18	4
L45N 5+00E	61	13	90	0.5	22	1
L43N 3+00W	66	2	90	1.1	35	4
L43N 2+80W	57	7	82	0.8	32	1
L43N 2+60W	62	20	113	0.5	52	2
L43N 2+40W	47	2	84	0.5	39	1
L43N 2+20W	53	7	99	0.5	37	34
L43N 2+00W	82	10	85	0.4	43	11
L43N 1+80W	73	8	100	0.4	38	7
L43N 1+60W	58	10	72	0.7	32	13
L43N 1+40W	73	7	79	0.3	43	234
L43N 1+20W	60	2	78	1.0	34	32
L43N 1+00W	39	6	70	0.2	20	1
L43N 0+80W	40	3	92	0.7	8	1
L43N 0+60W	163	5	83	0.9	23	1
L43N 0+40W	41	9	113	0.2	10	8
L43N 0+20W	42	8	104	1.1	29	1
L43N 0+20E	65	7	83	0.5	23	1
L43N 0+40E	74	2	93	0.6	20	1
L43N 0+60E	53	8	82	0.6	25	1
L43N 0+80E	37	12	75	0.7	26	52
L43N 1+00E	45	2	66	0.5	29	9
L43N 1+20E	78	6	99	0.6	40	10
L43N 1+40E	56	8	87	0.4	65	31
L43N 1+60E	64	13	100	0.5	33	10
L43N 1+80E	49	12	93	1.5	46	26
L43N 2+00E	82	7	102	1.9	44	7
L43N 2+20E	65	11	108	0.7	60	6
L43N 2+40E	54	13	104	0.7	159	1
L43N 2+60E	55	12	126	0.7	36	1
L43N 2+80E	55	2	114	0.8	26	1
STD C/AU-S	62	40	132	7.2	38	52

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT PROJECT-VEGA

Acme file # 88-1665 Page 4 Received: JUN 01 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
L43N 3+00E	33	12	101	0.1	21	5
L43N 3+20E	45	18	101	0.1	26	4
L43N 3+40E	63	14	114	0.1	36	11
L43N 3+60E	42	12	97	0.6	29	3
L43N 3+80E	81	17	100	0.1	39	1
L43N 4+00E	108	10	133	0.5	165	17
L43N 4+20E	33	5	93	0.1	28	2
L43N 4+40E	44	2	95	0.1	30	1
L43N 4+60E	40	17	131	0.1	44	1
L43N 4+80E	46	21	196	0.5	64	1
L43N 5+00E	47	15	121	0.6	36	12
BL 47N	63	10	92	0.1	33	1
BL 46+40N	68	12	97	0.1	26	49
BL 46+20N	86	18	82	0.8	20	3
BL 46N	144	9	95	0.2	23	15
BL 45+40N	50	9	89	0.7	18	3
BL 45+20N	52	13	76	0.3	26	2
BL 45N	52	16	95	0.1	20	1
BL 44+40N	111	24	98	0.2	28	4
BL 44+20N	85	19	129	0.1	25	1
BL 44N	53	14	102	1.0	22	1
BL 43+40N	35	13	75	0.5	19	1
BL 43+20N	74	20	66	0.1	44	1
BL 43N	65	18	73	0.2	35	13
STD C/AU-S	64	40	131	7.0	42	49

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11 6 6 6 6 6 6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 1 Received: JUL 29 1988 374 samples in t

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
38N 0+20E	62	10	95	0.3	27	12
38N 0+40E	56	11	104	0.2	29	8
38N 0+60E	44	14	108	0.3	25	5
38N 0+80E	160	12	88	1.5	36	7
38N 1+00E	272	16	103	3.5	34	3
38N 1+20E	86	16	113	1.0	30	380
38N 1+40E	48	12	134	0.5	16	5
38N 1+60E	41	12	115	0.7	17	2
38N 1+80E	53	13	147	0.2	33	11
38N 2+00E	43	12	86	0.1	22	3
38N 2+20E	58	6	61	3.1	5	1
38N 2+40E	12	2	64	0.2	2	1
38N 2+60E	29	6	37	2.5	8	1
38N 2+80E	8	11	19	0.3	8	41
38N 3+00E	48	9	92	0.2	25	2
36N 0+20E	51	14	110	0.1	41	3
36N 0+40E	61	11	141	0.4	46	6
36N 0+60E	52	12	109	0.6	30	1
36N 0+80E	42	12	95	0.4	27	1
36N 1+00E	65	14	122	0.4	30	3
36N 1+20E	75	13	105	0.4	43	13
36N 1+40E	53	10	89	0.2	27	7
36N 1+60E	49	9	75	0.6	28	610
36N 1+80E	61	12	110	1.0	10	19
36N 2+00E	61	13	105	0.1	33	7
36N 2+20E	73	13	96	0.4	35	230
36N 2+40E	42	10	67	0.1	25	13
36N 2+60E	34	8	59	0.1	22	40
36N 2+80E	71	12	89	0.4	33	8
36N 3+00E	64	11	99	0.1	37	16
34N 2+00E	56	12	91	0.3	22	2
34N 1+80E	50	10	83	0.1	25	1
34N 1+60E	104	13	120	0.1	33	10
34N 1+40E	110	16	126	0.2	50	9
34N 1+20E	101	14	127	0.1	65	13
34N 1+00E	60	11	119	0.5	38	6
STD C/AU-S	57	37	131	7.1	44	53

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 2 Received: JUL 29 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
34N 0+80W	62	9	83	0.2	37	23
34N 0+60W	72	7	110	0.4	27	85
34N 0+40W	86	8	94	0.3	44	61
34N 0+20W	73	7	110	0.1	56	36
34N 0+20E	56	11	85	0.3	34	16
34N 0+40E	34	8	65	0.1	24	61
34N 0+60E	64	6	132	0.4	45	19
34N 0+80E	66	6	85	0.3	40	32
34N 1+00E	51	9	96	0.6	51	25
34N 1+20E	67	7	76	0.4	45	64
34N 1+40E	87	9	107	0.2	63	56
34N 1+60E	66	7	86	0.1	35	13
34N 1+80E	47	7	76	0.3	225	38
34N 2+00E	65	6	89	0.3	49	47
32N 2+00W	56	9	109	0.3	21	14
32N 1+80W	68	9	123	0.1	22	12
32N 1+60W	48	8	76	0.3	25	25
32N 1+40W	89	10	100	0.6	33	28
32N 1+20W	110	10	87	0.1	30	55
32N 1+00W	96	8	113	0.2	35	35
32N 0+80W	47	11	121	0.6	21	20
32N 0+60W	96	7	89	0.3	90	17
32N 0+40W	98	5	81	0.1	53	18
32N 0+20W	117	6	74	0.2	67	44
32N 0+20E	210	9	64	0.2	71	17
32N 0+40E	78	8	66	0.1	68	12
32N 0+60E	90	11	72	0.3	70	46
32N 0+80E	121	10	61	0.3	58	33
32N 1+00E	116	8	69	0.4	80	68
32N 1+20E	53	8	72	0.4	35	66
32N 1+40E	81	7	88	0.1	34	14
32N 1+60E	109	8	79	0.5	44	710
32N 1+80E	232	11	74	0.6	77	83
32N 2+00E	226	12	80	0.5	39	33
26N 0+20E	221	5	57	0.3	235	21
26N 0+40E	154	5	64	0.2	170	7
STD C/AU-S	58	39	132	6.8	42	48

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 3 Received: JUL 29 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
26N 0+60E	129	7	48	0.1	86	6
26N 0+80E	133	12	115	0.1	44	9
26N 1+00E	93	14	100	0.3	1652	11
26N 1+20E	137	10	71	0.1	47	69
26N 1+40E	146	9	89	0.1	37	22
26N 1+60E	115	12	89	0.1	28	18
26N 1+80E	38	10	69	0.1	11	9
26N 2+00E	90	11	71	0.1	21	23
26N 2+20E	56	7	69	0.1	24	20
26N 2+40E	183	7	55	0.4	15	55
26N 2+60E	74	11	48	0.1	17	48
26N 2+80E	370	10	60	0.3	18	39
26N 3+00E	389	10	74	0.1	21	56
26N 3+20E	328	10	60	0.1	29	104
26N 3+40E	77	10	51	0.1	17	75
26N 3+60E	140	10	49	0.1	18	96
26N 3+80E	119	10	54	0.1	20	42
26N 4+00E	57	11	67	0.1	17	152
26N 4+20E	93	12	85	0.1	27	71
26N 4+40E	37	10	62	0.1	14	15
26N 4+60E	44	10	123	0.1	27	9
26N 4+80E	67	11	101	0.5	21	22
26N 5+00E	53	13	112	0.3	21	3
26N 5+20E	71	11	146	0.3	22	23
26N 5+40E	57	10	104	0.4	18	9
26N 5+60E	51	14	73	0.1	21	21
26N 5+80E	51	9	74	0.3	23	103
26N 6+00E	64	13	118	0.1	28	37
26N 6+20E	63	9	107	0.1	20	33
26N 6+40E	72	10	90	0.3	21	17
26N 6+60E	36	11	83	0.2	9	31
26N 6+80E	44	8	97	0.1	14	10
26N 7+00E	57	10	91	0.3	16	52
24N 0+20E	48	8	48	0.1	18	31
24N 0+40E	63	10	52	0.3	20	14
24N 0+60E	134	11	54	0.3	25	28
STD C/AU-S	58	38	132	6.6	44	52

37 6 3 1 1 0

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 4 Received: JUL 29 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
24N 0+80E	131	4	67	0.2	22	16
24N 1+00E	78	6	74	0.1	30	29
24N 1+20E	109	3	95	0.2	31	14
24N 1+40E	59	4	89	0.3	24	4
24N 1+60E	105	3	85	0.3	21	13
24N 1+80E	105	2	77	0.2	25	250
24N 2+00E	62	3	68	0.1	21	4
24N 2+20E	71	2	52	0.1	33	21
24N 2+40E	74	5	73	0.2	60	220
24N 2+60E	32	4	57	0.3	22	55
24N 2+80E	46	2	46	0.3	22	17
24N 3+00E	58	4	74	0.5	33	86
24N 3+20E	67	4	86	0.2	34	8
24N 3+40E	89	5	88	0.1	42	9
24N 3+60E	71	4	120	0.1	27	6
24N 3+80E	59	5	67	0.3	18	18
24N 4+00E	60	6	68	0.2	34	10
24N 4+20E	77	5	76	0.3	21	78
24N 4+40E	39	6	65	0.4	14	9
24N 4+60E	51	6	90	0.9	15	8
24N 4+80E	148	10	111	0.6	29	240
24N 5+00E	64	5	114	0.8	20	158
24N 5+20E	37	6	64	0.4	9	33
24N 5+40E	45	5	73	0.5	12	19
24N 5+60E	61	7	81	0.4	11	32
24N 5+80E	72	10	89	0.4	20	29
24N 6+00E	112	5	106	0.1	40	75
24N 6+20E	81	9	87	0.5	28	41
24N 6+40E	96	6	109	0.3	37	68
24N 6+60E	111	4	87	0.8	31	34
24N 6+80E	126	6	110	0.4	46	310
24N 7+00E	86	6	99	0.2	28	81
24N 7+20E	50	6	51	0.5	18	161
24N 7+40E	78	8	118	0.8	27	37
24N 7+60E	131	5	83	0.3	41	51
24N 7+80E	64	6	96	0.4	32	28
STD C/AU-S	58	35	132	7.1	40	52

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 5 Received: JUL 29 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
24N 8+00E	78	10	76	0.3	25	22
24N 8+20E	46	13	100	0.1	32	16
24N 8+40E	39	8	82	0.1	8	12
24N 8+60E	57	11	113	0.4	15	6
24N 8+80E	31	10	99	0.2	16	2
24N 9+00E	42	10	117	0.2	13	5
22N 0+20E	51	8	51	0.1	11	4
22N 0+40E	120	12	94	0.1	24	5
22N 0+60E	108	10	74	0.1	23	4
22N 0+80E	58	9	72	0.1	10	1
22N 1+00E	58	12	65	0.1	13	2
22N 1+20E	94	11	75	0.1	28	26
22N 1+40E	145	13	106	0.1	32	16
22N 1+60E	223	8	65	0.1	81	58
22N 1+80E	210	8	81	0.2	46	31
22N 2+00E	123	12	87	0.1	44	15
22N 2+20E	138	10	89	0.1	21	16
22N 2+40E	107	7	89	0.1	11	12
22N 2+60E	124	5	85	0.1	15	215
22N 2+80E	42	9	75	0.1	17	18
22N 3+00E	46	11	75	0.3	16	10
22N 3+20E	42	11	91	0.1	18	38
22N 3+40E	105	7	68	0.1	17	45
22N 3+60E	54	9	80	0.6	12	62
22N 3+80E	63	8	76	0.3	17	29
22N 4+00E	50	11	54	0.1	11	61
22N 4+20E	57	8	52	0.7	11	64
22N 4+40E	42	10	52	0.1	14	26
22N 4+60E	94	8	76	0.2	23	265
22N 4+80E	67	11	76	0.1	20	855
22N 5+00E	60	10	95	0.5	14	415
22N 5+20E	58	10	66	0.4	13	465
22N 5+40E	81	13	78	0.2	21	104
22N 5+60E	78	11	74	0.2	18	75
22N 5+80E	62	11	94	0.1	23	52
22N 6+00E	75	9	85	0.2	20	54
STD C/AU-S	57	38	132	7.1	41	50

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 6 Received: JUL 29 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
22N 6+20E	51	11	66	0.3	31	51
22N 6+40E	169	12	100	0.3	63	352
22N 6+60E	133	7	112	0.3	66	86
22N 6+80E	66	10	155	0.2	13	30
22N 7+00E	41	10	86	0.3	15	45
22N 7+20E	62	10	92	0.4	34	59
22N 7+40E	128	11	108	0.2	100	91
22N 7+60E	143	8	111	0.4	161	93
22N 7+80E	85	9	122	0.5	40	54
22N 8+00E	109	9	117	0.5	83	75
22N 8+20E	150	10	121	0.5	47	114
22N 8+40E	137	9	90	0.3	48	134
22N 8+60E	97	9	106	0.6	43	82
22N 8+80E	97	10	170	0.7	35	54
22N 9+00E	77	7	71	0.3	30	33
20N 0+20E	52	8	66	0.2	24	1
20N 0+40E	88	8	104	0.2	19	6
20N 0+60E	56	8	92	0.2	12	4
20N 0+80E	11	2	10	0.2	2	1
20N 1+00E	63	12	90	0.2	18	1
20N 1+20E	71	12	150	0.3	23	3
20N 1+40E	164	10	90	0.1	39	28
20N 1+60E	129	8	83	0.2	74	108
20N 1+80E	110	6	55	1.1	63	97
20N 2+00E	519	4	59	1.6	123	193
20N 2+20E	559	8	98	1.8	60	68
20N 2+40E	215	5	61	0.7	37	67
20N 2+60E	134	8	69	0.3	35	25
20N 2+80E	94	8	60	0.5	28	36
20N 3+00E	47	9	91	0.4	16	57
20N 3+20E	53	6	156	0.4	14	7
20N 3+40E	79	7	118	0.3	26	53
20N 3+60E	57	7	101	0.2	29	1
20N 3+80E	73	9	94	0.3	17	7
20N 4+00E	53	8	93	0.4	18	3
18N 9+00E	25	10	99	0.3	16	17
STD C/AU-S	57	39	132	7.1	38	53

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 7 Received: JUL 29 1988

	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
18N	9+20E	93	9	154	0.3	37	22
18N	9+40E	31	5	62	0.1	8	10
18N	9+60E	30	8	96	0.6	19	8
18N	9+80E	49	8	215	0.4	513	9
18N	10+00E	35	9	144	0.2	100	1
18N	10+20E	90	103	330	0.7	149	1
18N	10+40E	82	56	257	0.7	117	1
18N	10+60E	52	14	186	0.3	124	1
18N	10+80E	63	17	139	0.3	168	9
18N	11+00E	35	10	134	0.3	27	1
18N	11+20E	43	7	73	0.3	110	6
18N	11+40E	177	9	100	0.3	107	1
18N	11+60E	100	17	128	0.3	130	1
18N	11+80E	96	12	101	0.5	76	1
18N	12+00E	82	9	84	0.1	19	2
18N	12+20E	58	11	116	0.1	27	8
18N	12+40E	104	9	99	0.4	27	1
18N	12+60E	92	9	100	0.4	18	1
18N	12+80E	62	11	98	0.1	16	4
18N	13+00E	77	11	123	0.1	14	1
18N	13+20E	70	10	101	0.3	11	2
18N	13+40E	58	4	84	0.2	10	28
18N	13+60E	88	7	61	0.5	13	4
18N	13+80E	54	7	57	0.5	7	1
18N	14+00E	84	6	83	0.3	16	3
18N	14+20E	86	8	73	0.1	16	4
18N	14+40E	32	8	58	0.3	13	2
18N	14+60E	49	7	65	0.1	20	4
18N	14+80E	44	6	59	0.1	19	6
18N	15+00E	99	6	81	0.1	53	7
18N	15+20E	78	12	222	0.3	136	6
18N	15+40E	97	9	107	0.4	96	1
16N	9+00E	45	8	86	0.5	19	23
16N	9+20E	43	6	107	0.1	24	1
16N	9+40E	38	8	94	0.4	17	33
16N	9+60E	44	11	136	0.9	46	12
STD	C/AU-S	58	36	132	6.6	44	48

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 8 Received: JUL 29 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
16N 9+80E	46	12	101	0.4	35	15
16N 10+00E	26	9	149	0.6	25	1
16N 10+20E	95	13	136	0.4	80	61
16N 10+40E	101	9	135	0.2	107	820
16N 10+60E	161	14	189	0.4	447	35
16N 10+80E	89	3	41	0.8	23	1
16N 11+00E	37	4	32	0.5	11	1
16N 11+20E	66	5	63	0.3	18	10
16N 11+40E	95	10	114	0.4	21	12
16N 11+60E	47	6	76	0.4	14	1
16N 11+80E	67	7	94	0.1	20	3
16N 12+00E	74	10	93	0.2	22	1
16N 12+20E	209	9	70	0.1	31	159
16N 12+40E	205	6	55	0.1	13	52
16N 12+60E	22	5	65	0.2	18	1
16N 12+80E	55	7	62	0.1	29	3
16N 13+00E	137	4	74	0.3	17	16
16N 13+20E	105	6	127	0.2	28	20
16N 13+40E	41	12	64	0.1	20	136
16N 13+60E	37	7	96	0.2	27	18
16N 13+80E	40	9	75	0.3	24	10
16N 14+00E	93	9	89	0.2	47	97
16N 14+20E	49	9	99	0.5	28	8
16N 14+40E	97	9	118	0.5	20	162
16N 14+60E	38	7	66	0.5	39	19
16N 14+80E	47	6	101	0.4	23	50
16N 15+00E	52	10	89	0.2	29	22
14N 9+00E	56	12	83	0.4	32	61
14N 9+20E	63	10	75	0.2	15	44
14N 9+40E	57	10	84	0.1	22	59
14N 9+60E	74	7	100	0.1	34	15
14N 9+80E	102	6	78	0.2	29	96
14N 10+00E	93	9	89	0.3	24	4
14N 10+20E	135	12	93	0.4	26	1
14N 10+40E	74	9	71	0.1	21	3
14N 10+60E	48	9	91	0.1	22	29
STD C/AU-S	58	37	132	7.1	45	53

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C.
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 9 Received: JUL 29 1988

	ELEMENT	Cu	Pb	Zn	Ag	As	Au*
	SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
14N	10+80E	29	8	61	0.1	11	5
14N	11+00E	40	8	74	0.1	12	7
14N	11+20E	46	12	71	0.1	14	92
14N	11+40E	60	10	63	0.1	22	242
14N	11+60E	66	11	78	0.3	20	125
14N	11+80E	41	9	64	0.1	15	65
14N	12+00E	27	8	51	0.1	11	110
14N	12+20E	27	9	49	0.2	7	47
14N	12+40E	50	8	70	0.2	9	75
14N	12+60E	38	8	57	0.1	8	72
14N	12+80E	83	5	58	0.1	25	123
14N	13+00E	57	9	83	0.3	20	313
14N	13+20E	60	9	59	0.1	14	62
14N	13+40E	62	8	61	0.1	33	68
14N	13+60E	66	6	86	0.1	18	34
14N	13+80E	77	8	93	0.3	15	149
14N	14+00E	67	11	91	0.1	14	58
14N	14+20E	77	8	103	0.3	37	33
14N	14+40E	71	10	85	0.5	22	20
14N	14+60E	42	11	85	0.3	36	22
14N	14+80E	46	11	104	0.2	23	48
14N	15+00E	36	8	67	0.2	34	52
12N	3+00W	89	12	111	0.2	13	23
12N	2+80W	79	13	72	0.1	15	31
12N	2+60W	60	14	76	0.1	13	63
12N	2+40W	69	14	84	0.1	18	68
12N	2+20W	80	13	62	0.1	56	37
12N	2+00W	52	9	95	0.1	15	16
12N	1+80W	318	15	85	0.2	36	262
12N	1+60W	109	13	92	0.2	22	95
12N	1+40W	50	12	96	0.2	18	4
12N	1+20W	52	10	60	0.1	21	28
12N	1+00W	76	11	88	0.2	29	71
12N	0+80W	86	10	108	0.3	26	5
12N	0+60W	82	9	84	0.4	17	19
12N	0+40W	63	12	179	0.2	13	5
STD	C/AU-S	58	38	132	6.6	42	51

37 6 3 1 1 0

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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 10 Received: JUL 29 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
12N 0+20W	53	10	98	0.1	5	12
12N 0+20E	50	9	85	0.2	10	9
12N 0+40E	36	12	83	0.1	8	18
12N 9+00E	127	9	94	0.2	19	11
12N 9+20E	67	8	79	0.1	17	1
12N 9+40E	79	9	89	0.1	16	5
12N 9+60E	76	9	80	0.1	12	15
12N 9+80E	144	13	160	1.1	11	1
12N 10+00E	77	14	97	0.2	15	2
12N 10+20E	65	10	95	0.3	11	1
12N 10+40E	68	8	75	0.5	14	1
12N 10+60E	154	12	81	0.7	22	2
12N 10+80E	65	9	72	0.1	14	34
12N 11+00E	110	10	80	0.1	11	380
12N 11+20E	44	8	65	0.1	3	450
12N 11+40E	79	12	70	0.4	7	34
12N 11+60E	104	11	94	0.6	7	32
12N 11+80E	74	10	77	0.2	9	9
12N 12+00E	55	7	78	0.1	7	12
12N 12+20E	115	13	69	0.9	11	26
12N 12+40E	46	11	70	0.1	8	7
12N 12+60E	98	11	107	0.1	8	11
12N 12+80E	74	12	80	0.4	14	27
12N 13+00E	72	9	90	0.1	7	76
12N 13+20E	78	8	98	0.1	21	33
12N 13+40E	93	7	111	0.1	16	820
12N 13+60E	58	9	123	0.2	7	7
12N 13+80E	47	10	90	0.2	7	3
12N 14+00E	48	11	94	0.2	7	1
12N 14+20E	47	10	95	0.3	10	3
12N 14+40E	67	9	123	0.4	31	1
12N 14+60E	61	12	152	0.1	205	23
12N 14+80E	87	11	125	0.7	30	5
12N 15+00E	34	7	88	0.1	23	21
10N 3+00W	35	13	59	0.2	4	8
10N 2+80W	35	10	81	0.2	2	6
STD C/AU-S	57	42	132	7.1	36	50

15 6 3 1 1 0
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From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C
To CANMINE DEVELOPMENT CO. INC. PROJECT VEGA

Acme file # 88-3076 Page 11 Received: JUL 29 1988

ELEMENT	Cu	Pb	Zn	Ag	As	Au*
SAMPLES	PPM	PPM	PPM	PPM	PPM	PPB
10N 2+60W	66	2	86	0.6	22	20
10N 2+40W	110	5	79	0.4	29	18
10N 2+20W	142	2	101	0.2	52	36
10N 2+00W	61	2	87	0.4	33	58
10N 1+80W	111	9	64	0.1	46	1115
10N 1+60W	74	3	91	0.1	64	285
10N 1+40W	75	4	81	0.1	33	30
10N 1+20W	54	5	71	0.1	249	20
10N 1+00W	55	2	77	0.8	85	1
10N 0+80W	75	2	73	0.4	41	4
10N 0+60W	85	3	80	0.5	25	22
10N 0+40W	102	2	110	1.2	37	3
10N 0+20W	117	3	79	0.3	25	18
10N 0+20E	188	2	69	0.3	37	28
STD C/AU-S	59	39	132	6.8	41	51

APPENDIX 5

Vega IP + Resistivity Logistical Report (Scott)

LOGISTICAL REPORT

INDUCED POLARIZATION/RESISTIVITY SURVEYS

VEGA PROJECT

GERMANSEN AREA, BRITISH COLUMBIA

on behalf of

CANMINE DEVELOPMENT COMPANY
1695 Marine Drive
North Vancouver, B.C. V7P 1V1

Field work completed: August 31 to September 8, 1988

by

Alan Scott, Geophysicist
SCOTT GEOPHYSICS LTD.
4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

September 12, 1988

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1 Introduction	1
2 Survey Location	1
3 Survey Grid and Survey Coverage	1
4 Personnel	1
5 Instrumentation and procedures	2
6 Recommendations	2

1. INTRODUCTION

Induced polarization and resistivity surveys were conducted over portions of the Vega Project, Germansen Area, British Columbia, within the period August 31 to September 8, 1988. The work was conducted by Scott Geophysics Ltd. on behalf of Canmine Development Company.

The pole dipole electrode array was used on the survey, with an "a" spacing of 25 meters and "n" separations of 1 to 5. The current electrode was to the west of the receiving electrodes on all survey lines.

2. SURVEY LOCATION

The Vega Project is located at the headwaters of Vega Creek, some 55 kilometers northwest of Germansen Landing, B.C. Access to the property was by helicopter from a logging road 10 kilometers to the southeast of the survey area.

3. SURVEY GRID AND SURVEY COVERAGE

A total of 9.5 line kilometers of induced polarization survey were surveyed on the Vega Project. The survey was conducted over four separate areas of the grid, and was directed towards following up soil geochemical anomalies. Details of lines surveyed are given in the production reports.

4. PERSONNEL

Ken Moir, technician, was the party chief on the survey and operated the IPR11 receiver. Richard Weishaupt was the Canmine representative on site for the duration of the survey.

5. INSTRUMENTATION AND PROCEDURES

A Scintrex IPR11 time domain microprocessor based induced polarization receiver and a Scintrex TSQ4 10 kilowatt transmitter were used for the survey. Readings were taken using a 2 second alternating square wave.

The chargeability for the eighth slice (2 second pulse; 690 to 1050 milliseconds after shutoff; midpoint at 870 milliseconds) is the value that has been plotted on the accompanying plans and pseudosections.

The survey data was archived, processed, and plotted using a Sharp PC7000 microcomputer running Scintrex Soft II and proprietary software. All chargeability values were analyzed for their spectral characteristics using a curve matching procedure (Soft II).

6. RECOMMENDATIONS

A preliminary examination of the results of the induced polarization survey on the Vega Project indicates the presence of moderate to strong chargeability highs which merit further investigation. A detailed interpretation of the results of this survey, and correlation to geological and geochemical information, is required before any specific recommendations could be made.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Alan Scott', is written over a horizontal line.

Alan Scott, Geophysicist

APPENDIX 6

Vega Invoice and Detailed Costs (Scott)

Alan Scott
SCOTT GEOPHYSICS LTD.
4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

September 12, 1988

CANMINE DEVELOPMENT COMPANY
1695 Marine Drive
North Vancouver, B.C. V7P 1V1

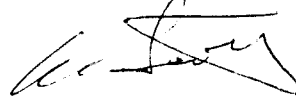
Invoice: IPR11 Survey, Vega Project, B.C.

The following charges are due under the terms of our agreement of August 22, 1988, for the above work:

Fixed preparations fee	500.00
Daily charges:	
August 31, September 8 (mob/demob): 2 days @ 650	1300.00
September 1 to 7: 7 survey days @ 950	6650.00
For additional presentation:	
Reduction of pseudosections onto vellum	75.00
Accommodations, meals, gas and oil	
unavailable at this time (est. 750)	-
For provision of additional field assistants	
S. Benson: Aug 31 to Sept 7 9 days @ 125	1125.00
T. Allen: Aug 31 to Sept 7 9 days @ 125	1125.00
Total charges this invoice:	10775.00
Less down payment:	-3000.00
TOTAL THIS INVOICE:	<u>\$7775.00</u>

An invoice for travel expenses (accommodations, meals, gas and oil) will be submitted as soon as these are available.

Yours truly,



Alan Scott, Geophysicist

Encl. (production report)

*paid Sept 19
CH # 45.*

GEOPHYSICAL SURVEY PRODUCTION REPORT

page 1 of 2

IPR 11 SURVEY: pole dipole array, a=25 meters, n=1 to 5

Project No.: 3341 Client: CANMINE DEV. CO. Area: VEGA PROJECT

Date	Lines surveyed and comments	Production
Sun		
Mon		
Tues		
Wed		
AUG 31	MOBE	
Thurs	MOBE - SET UP - SURVEY	13 STA'S
SEPT 1	L 20N 0 - 315E	325 m
Fri	L 22N 0 - 993E	81 STA'S
SEPT 2	L 24N 5E - 920E	2025 m
Sat	L 26N 0 - 749E	63 STA'S
SEPT 3	L 32N 200W - 195E	1575 m
	L 34N 200W - 195E	

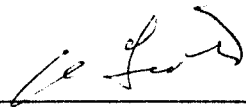
Remarks:

Totals
(this wk) 3925 m

Totals
(to date) 3925 m

Personnel:	SIMITWITIFIS
KEN MOIR	IRIR
STEVE DAVIES	ITIC
SCOTT BRUNSON	PIPI
TOM ALLEN	CIPI
GRAHAM X	PIPI
RICHARD W.	IP

r = receiver t = transmitter
 p = pots c = current
 s = standby m = mob/demob
 d = data proc. l = linecutting

Signed: 

Date: Sept 12/88

GEOPHYSICAL SURVEY PRODUCTION REPORT

page 2 of 2

IPR 11 SURVEY: pole dipole array, a=25 meters, n=1 to 5

Project No.: 3841 Client: CANMINE DEV CO Area: ULGA PROJECT

Date	Lines surveyed and comments	Production
Sun	L 120 S 90W - 175 E GRID #2	51 STA'S
SEPT 4	L 60 S 95W - 212 E GRID #2	1275 m
	L 10 N 300W - 3 E	
	L 12 N 300W - 45 E	
Mon	L 15 N 900E - 1490E	72 STA'S
SEPT 5	L 16 N 900E - 1505E	1800 m
	L 18 N 900E - 1460E	
Tues	L 14 N 900E - 1520E	64 STA'S
SEPT 6	L 12 NB 900E - 1568E	1600 m
	L 11 N 300W - 35 E	
Wed	L 33 N 200W - 192 E	36 STA'S
SEPT 7	L 35 N 300W - 192 E	900 m
Thurs		
SEPT 8	DEMOBE	
Fri		
Sat		

Remarks:

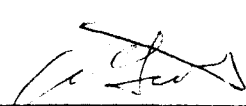
NOTE: ALL IP STATION NUMBERS
ARE IN SLOPE CORRECTED POSITION
TO FLAGS ON LINES.

Totals
(this wk) 5575 m

Totals
(to date) 9500 m

Personnel:	SIMITIWITIFIS
KEN MOIR	RIRIRI I I
STEVE DAVIES	TRICIP I I
SCOTT BOWSON	CIPITIC I I
JOHN ALLEN	PIPIPI I I
GRAHAM X	PIPIPI I I
RICHARD W	PI I IPI I I
	I I I I I I
	I I I I I I

r = receiver t = transmitter
p = pots c = current
s = standby m = mob/demob
d = data proc. l = linecutting

Signed: 

Date: Sept 12/88

APPENDIX 7

Vega Invoice and Detailed Costs (J.T. Thomas)

J. T. THOMAS
DIAMOND DRILLING LTD.

Box 394
Smithers, B.C.
V0J 2N0
Phone: (604) 847-4361

Branch Office
Timmins, Ont.

TO: Cyprus Gold (Canada) Ltd.
1810 - 1055 West Hastings Street
Vancouver, B.C.
V6E 2E9

Invoice No.: 88-7
Invoice Date: October 4, 1988
Property: Vega

This is our invoice for diamond drilling and other services on the Vega property to October 3, 1988, as per contract.

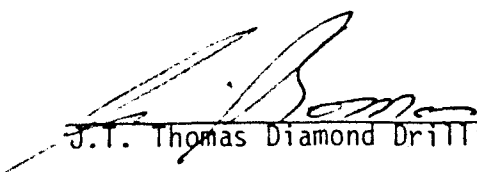
DRILL: 600-16

DIAMOND DRILLING: 3569 feet	(see attached Page One)	\$ 67,244.75
MAN & MACHINE HOURS:	(see attached Page Two)	5,897.50
MATERIALS:	(see attached Page Three)	6,316.00
MOBILIZATION/DEMOBILIZATION		4,600.00
COREBOXES: 147 boxes @ \$7.00/box		1,029.00

TOTAL: \$ 85,087.25

The above calculations are agreed to by:

Company Representative


J.T. Thomas Diamond Drilling (1980) Ltd.

J. T. THOMAS

DIAMOND DRILLING LTD.

Box 394
Smithers, B.C.
V0J 2N0
Phone: (604) 847-4361

Branch Office
Box 944
Timmins, Ont. P4N 7H5
Phone: (705) 267-6633

Cyprus Drill 600-16

September 21 - October 3, 1988

Page One

DIAMOND DRILLING:

<u>Hole No.</u>	<u>Date</u>	<u>Overburden</u> <u>From To</u>	<u>Coring</u> <u>From To</u>	<u>Total</u> <u>Footage</u>	<u>Rate</u>	<u>Amount</u>
V-88-01	Sept. 21	0 - 20		20	\$18.75	\$ 375.00
			20 - 500	480	18.75	9,000.00
			500 - 663	163	20.75	3,382.25
V-88-02	Sept. 24	0 - 27		27	18.75	506.25
			27 - 500	473	18.75	8,868.75
V-88-03	Sept. 26	0 - 20		20	18.75	375.00
			20 - 327	307	18.75	5,756.25
V-88-04	Sept. 27	0 - 40		40	18.75	750.00
			40 - 337	297	18.75	5,568.75
V-88-05	Sept. 28	0 - 24		24	18.75	450.00
			24 - 500	476	18.75	8,925.00
V-88-06	Sept. 29	0 - 20		20	18.75	375.00
			20 - 356	336	18.75	6,300.00
V-88-07	Sept. 30	0 - 20		20	18.75	375.00
			20 - 409	389	18.75	7,293.75
V-88-08	Oct. 1	0 - 15		15	18.75	281.25
			15 - 477	462	18.75	8,662.50
TOTAL:				3569'		\$ 67,244.75

J. T. THOMAS

DIAMOND DRILLING LTD.

Box 394
Smithers, B.C.
VOJ 2N0
Phone: (604) 847-4361

Branch Office
Timmins, Ont.
Page Two

Cyprus Drill 600-16

September 21 - October 3, 1988

MAN & MACHINE HOURS:

<u>Date</u>	<u>Olson</u>	<u>Paquin</u>	<u>Keehn</u>	<u>Denboer</u>	<u>Drill</u>	<u>Acid Tests</u>
Sept. 21	8½	9½	6 2½	8 5½	2½ 1½	
Sept. 22	2	4	4½	6½	½ 3	
Sept. 23	3	4	8	9	1 3	1
Sept. 24	8	9½	5½	6½	2½ 4½	
Sept. 25	1	2½	1	2½		2
Sept. 26	4½	6½	1	5	1	
Sept. 27	6	6	1	3		
Sept. 28	5	5½	1	2½		1
Sept. 29	6½	6	½	3		1
Sept. 30	5½	5½	1	3		1
Oct. 1	6½	7	½	2½		
Oct. 2	4½	5	3½	3		1
Oct. 3	5	5	5	5		
	66	76	41	65	19½	7

Total Man & Machine Hours: 267½ hours @ \$21.00/hour = \$5,617.50
Total Acid Tests: 7 tests @ \$40.00/test = 280.00

TOTAL: \$5,897.50

J. T. THOMAS

DIAMOND DRILLING LTD.

Box 394
Smithers, B.C.
V0J 2N0
Phone: (604) 847-4361

Branch Office
Box 944
Timmins, Ont. P4N 7H5
Phone: (705) 267-6633

Cyprus Drill 600-6

September 21 - October 3, 1988

Page Three

MATERIALS USED, LOST OR DAMAGED:

<u>Date</u>	<u>Quantity</u>	<u>Item</u>	<u>Cost</u>	<u>Amount</u>
Sept. 21	1	BW Casing Shoe	\$150.00	\$ 150.00
	1	10' BQ Rod (broken off in hole)	96.00	96.00
	3	BQ Bits (ruined in gravel & Broken ground)	425.00	1,275.00
	1	WDS 120	130.00	130.00
Sept. 22	$\frac{1}{2}$	GS 550	250.00	125.00
	$\frac{1}{2}$	GS 550	250.00	125.00
Sept. 23	1	BQ Bit (reaming out rods)	425.00	425.00
	1	BQ Reaming Shell (ruined reaming)	350.00	350.00
	1	BW Casing Shoe	150.00	150.00
	1	45 gal diesel (coil stove)	155.00	155.00
Sept. 24	2	BQ Bits (ruined in mud & broken ground)	425.00	850.00
Sept. 25	1	BQ Bit	425.00	n/c
Sept. 26	2	5' BW Casing (ruined in gravel)	165.00	330.00
	1	BW Casing Shoe	150.00	150.00
	1	GS 550	250.00	250.00
	1	BQ Bit (ruined reaming)	425.00	425.00
Sept. 27	1	BQ Bit	425.00	n/c
	1	BQ Bit	425.00	n/c
Sept. 28	1	BW Casing Shoe	150.00	150.00
	1	GS 550	250.00	250.00
Sept. 29	1	BQ Bit	425.00	n/c
Sept. 30	1	BW Casing Shoe	150.00	150.00
	1	GS 550	250.00	250.00
Oct. 1	1	BQ Bit	425.00	n/c
	1	WDS 120	130.00	130.00
Oct. 2	1	BW Casing Shoe	150.00	150.00
	1	BQ Reaming Shell	350.00	n/c
	1	GS 550	250.00	250.00
			TOTAL:	\$ 6,316.00

Note: no charge for wear on rods and corebarrel

APPENDIX 8

Method of Analysis

GEOCHEMICAL LABORATORY METHODOLOGY

1988

SAMPLE PREPARATION

Soil Samples

1. Soil Samples are dried at 60 degrees Celsius and 30 grams is sieved to -80 mesh.

Rock and Core Samples

2. Rock and Core Samples are crushed to $-3 \frac{1}{16}$ " (5 mm) and then $\frac{1}{2}$ lb. (23 gm) pulverized to -100 mesh.

GEOCHEMICAL ANALYSIS (ICP)

0.5 gram samples are digested in hot dilute aqua regia in a boiling water bath and diluted to 10 ml with demineralized water.

Extracted metals are determined by:

1. ICP - 0.500 gram sample is digested with 3 ml of 3:1:2 HCL-HNO₃-H₂O at 95 degrees Celsius for one hour and is diluted to 10 ml with water.

Cu, Pb, Zn, As, and Ag are determined by ICP.

GEOCHEMICAL ANALYSIS (AA)

2. 10.0 gram samples that have been ignited overnight at 600 degrees Celsius are digested with hot dilute aqua regia, and the clear solution obtained is extracted with Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption.

The results for Cu, Pb, Zn, Ag and As are reported in ppm while Au is reported in ppb.

APPENDIX 9

Cost Breakdown of Fieldwork

COST BREAKDOWN OF THE 1988 VEGA PROGRAM

WAGES

NAME	POSITION	DAILY RATE	DATES WORKED	TOTAL
H. Karmista	(Soil Sampler)	\$ 80.00	May 3 - June 16	\$ 3,600
G. McCrady	(Foreman)	\$ 90.00	May 3 - June 16 Aug. 31 - Oct. 5	\$ 4,050 \$ 3,240
H. Purdie	(Cook)	\$125.00	Sept.17 - Oct. 5	\$ 2,375
S. Ritchie	(Soil Sampler)	\$ 80.00	May 3 - June 16 July 18 - July 28	\$ 3,600 \$ 880
D. Stevenson	(Geologist)	\$150.00	May 25 - June 16 Sept. 8 - Sept. 9 Sept.21 - Oct. 5	\$ 3,450 \$ 300 \$ 2,250
H. Stirnimann	(Helper)	\$100.00	May 3 - May 25 July 18 - July 28 Sept. 4 - Oct. 5	\$ 2,300 \$ 1,100 \$ 3,200
R. Weishaupt	(Manager)	\$100.00	May 3 - May 25 July 18 - July 28 Aug. 31 - Sept. 8 Sept.12 - Oct. 5	\$ 2,200 \$ 1,100 \$ 900 \$ 2,400
TOTAL WAGES				\$ 36,945

COST BREAKDOWN OF THE 1988 VEGA PROGRAM

CAMP PROVISIONS

374 Man Days at \$35.00/day = \$ 13,090.00

HELICOPTER CHARTER

Mob & Demob

Drill, Crew, Fuel, Supplies and Drill Support from
Uslika Lake to Vega Camp.

May 6, May 26, June 16, July 18, July 28, August 31,
September 8, September 13, September 21 - October 2, 1988.

41 hours at \$650.00/hour = \$ 26,650.00
 (fuel included)

DRILL CONTRACT

September 21 - October 2, 1988

3,569 feet (1088.11 meters)(all inclusive) = \$ 85,087.25

GEOPHYSICAL CONTRACT

August 31 - September 8, 1988

9.5 km (5.9 miles)(all inclusive) = \$ 10,775.00

ASSAYING

1,969 Soil Samples Analysed

For Cu, Pb, Zn, Ag, As at \$4.50/sample = \$ 8,860.50

Preparation cost	at \$0.85/sample	=	\$	1,673.65
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For Au at \$4.50/sample = \$ 8,860.50

TOTAL = \$ 19,394.65

ASSAYING CONT.

679 Core Samples Analysed

For Cu, Pb, Zn, Ag, As	at \$4.50/sample	= \$	3,055.50
Preparation cost	at \$3.00/sample	= \$	2,037.00
For Au	at \$4.50/sample	= \$	3,055.50
TOTAL		= \$	8,148.00

29 Rock Samples Analysed

For Cu, Pb, Zn, Ag, As	at \$4.50/sample	= \$	130.50
Preparation Cost	at \$3.00/sample	= \$	87.00
For Au	at \$4.50/sample	= \$	130.50
TOTAL		= \$	348.00

TOTAL EXPENDITURES

ON THE VEGA GROUP OF MINERAL CLAIMS	\$ 200,437.90
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APPENDIX 10

Statement of Qualification

STATEMENT OF QUALIFICATION

I, David B. Stevenson, of the Municipality of North Vancouver in the Province of British Columbia, certify as follows regarding the report on the Vega, Vega 2-4 and Grum claims, Omenica Mining Division, British Columbia:

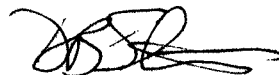
I am a graduate of the University of New Brunswick, Fredericton, New Brunswick with a Bachelor of Science, Honors in Geology, 1981.

I have practiced geology in Canada and Norway since 1981.

I am employed by Cyprus Gold (Canada) Ltd., 1810-1055 W. Hastings, Vancouver, B.C. V6E 2E9.

I supervised and coordinated exploration activities on or adjacent to the Vega, Vega 2-4 and Grum mineral claims.

I am a Fellow of the Geological Association of Canada.



David B. Stevenson, B.Sc. FGAC
October, 1988

STATEMENT OF QUALIFICATIONS

Richard J. Weishaupt
101-135 West 21st Street
North Vancouver, B.C.
V7M 1Z2

EDUCATION: High School Graduate
BCIT Graduate Mining Technology 1985
Surface and Under Ground Mine Rescue 1986
Applied Science Technologist (A.Sc.T.) 1987

1982 - 1983 June 3rd to August 31st
Canmine Development Company Inc.
Geologist Helper

1983 - 1984 June 6th to September 4th
Canmine Development Company Inc.
Geologist Helper

1984 - 1985 June 1st to September 30th
Canmine Development Company
Mining Technician

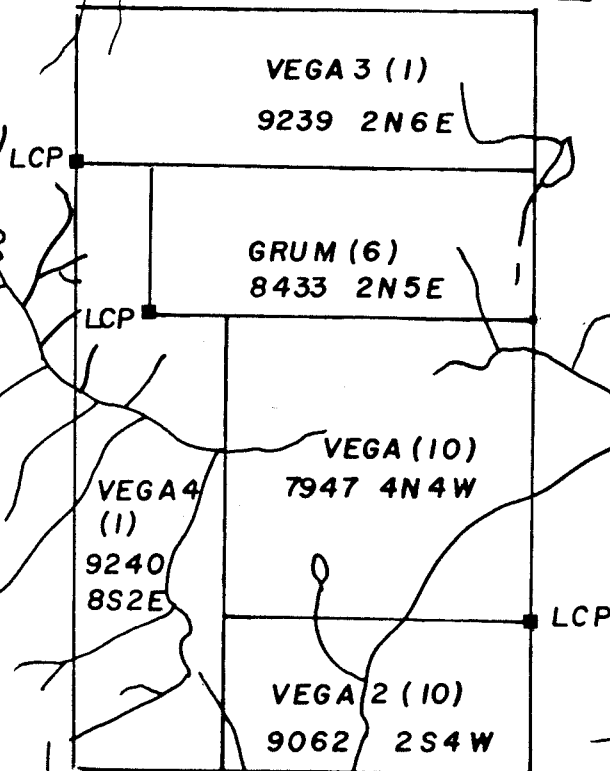
1985 - 1986 May 1st to December 31st
Canasil Resources Inc.
Project Foreman

1986 - 1988 January 1st to Present
Weishaupt Exploration Services
Assistant Manager



Richard Weishaupt

94C/3W



THANE CREEK

VEGA CREEK

CANMINE DEVELOPMENT CO. INC.

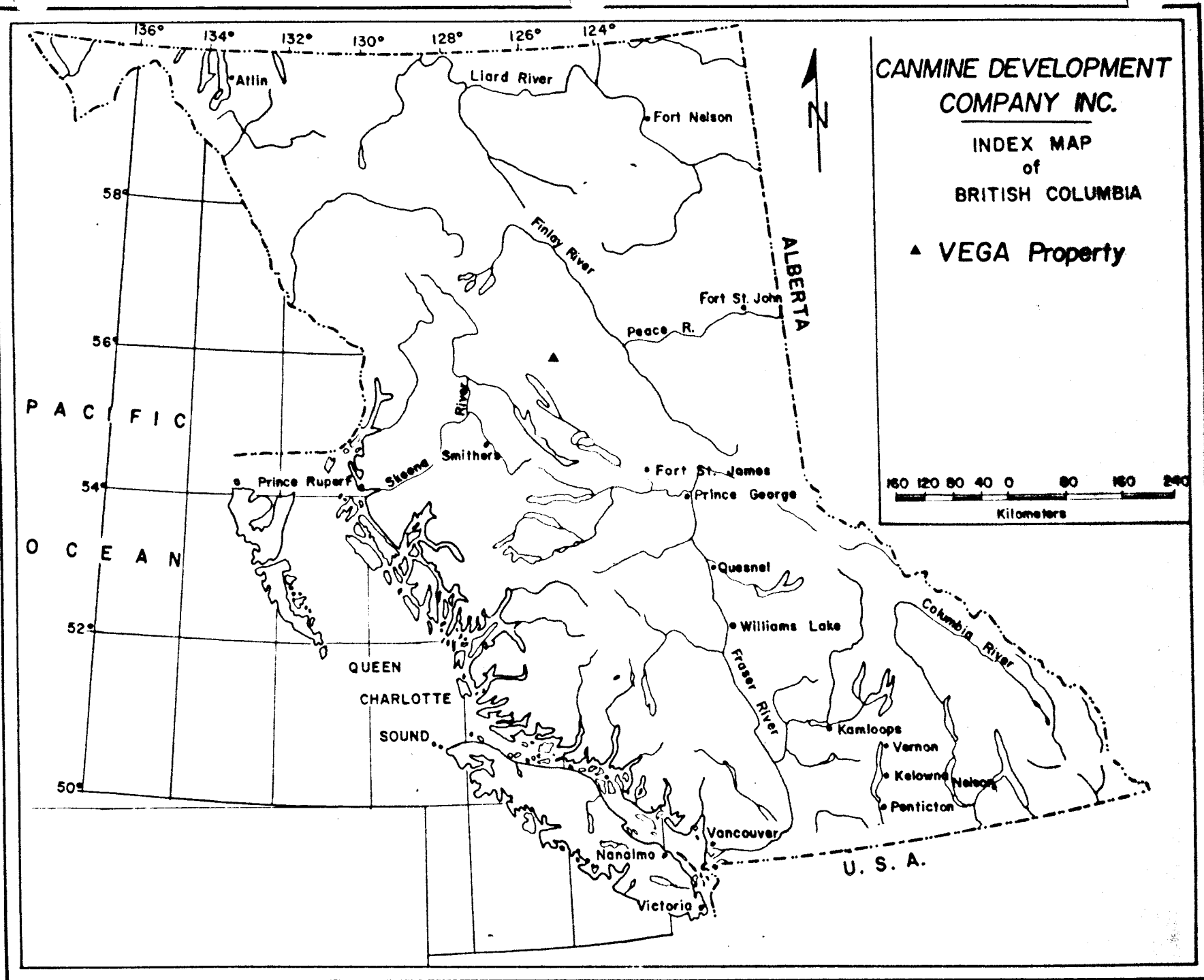
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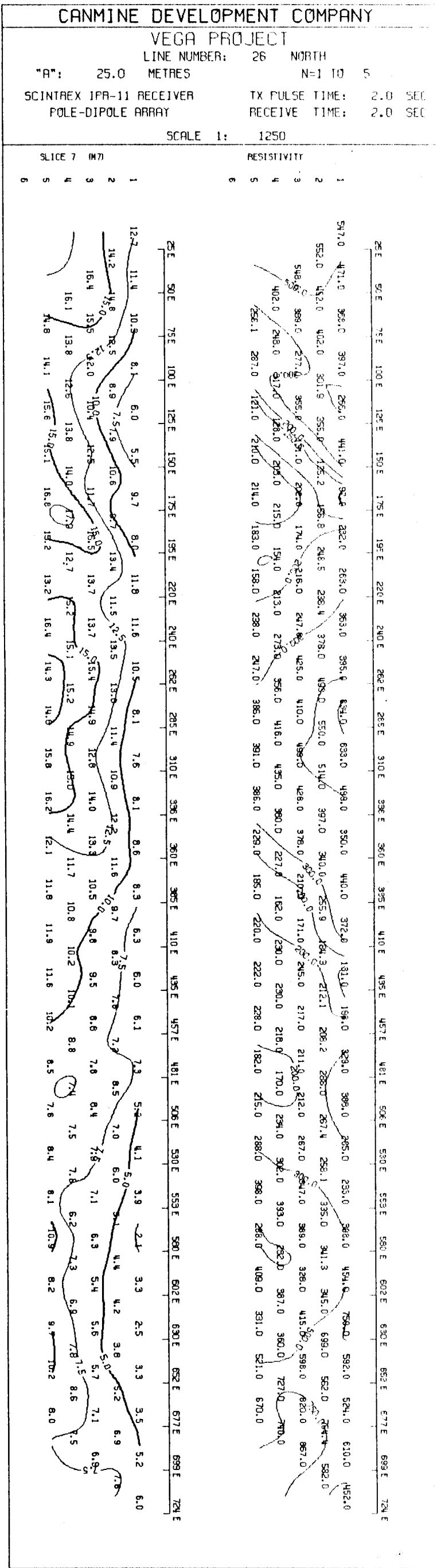
VEGA CLAIMS

Drawn by: R.W.

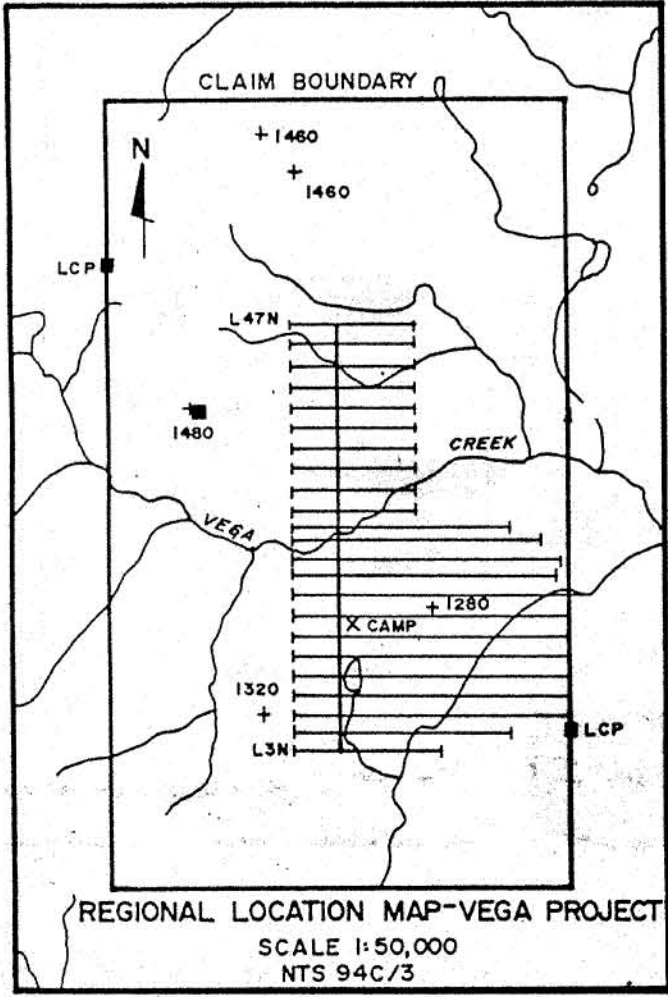
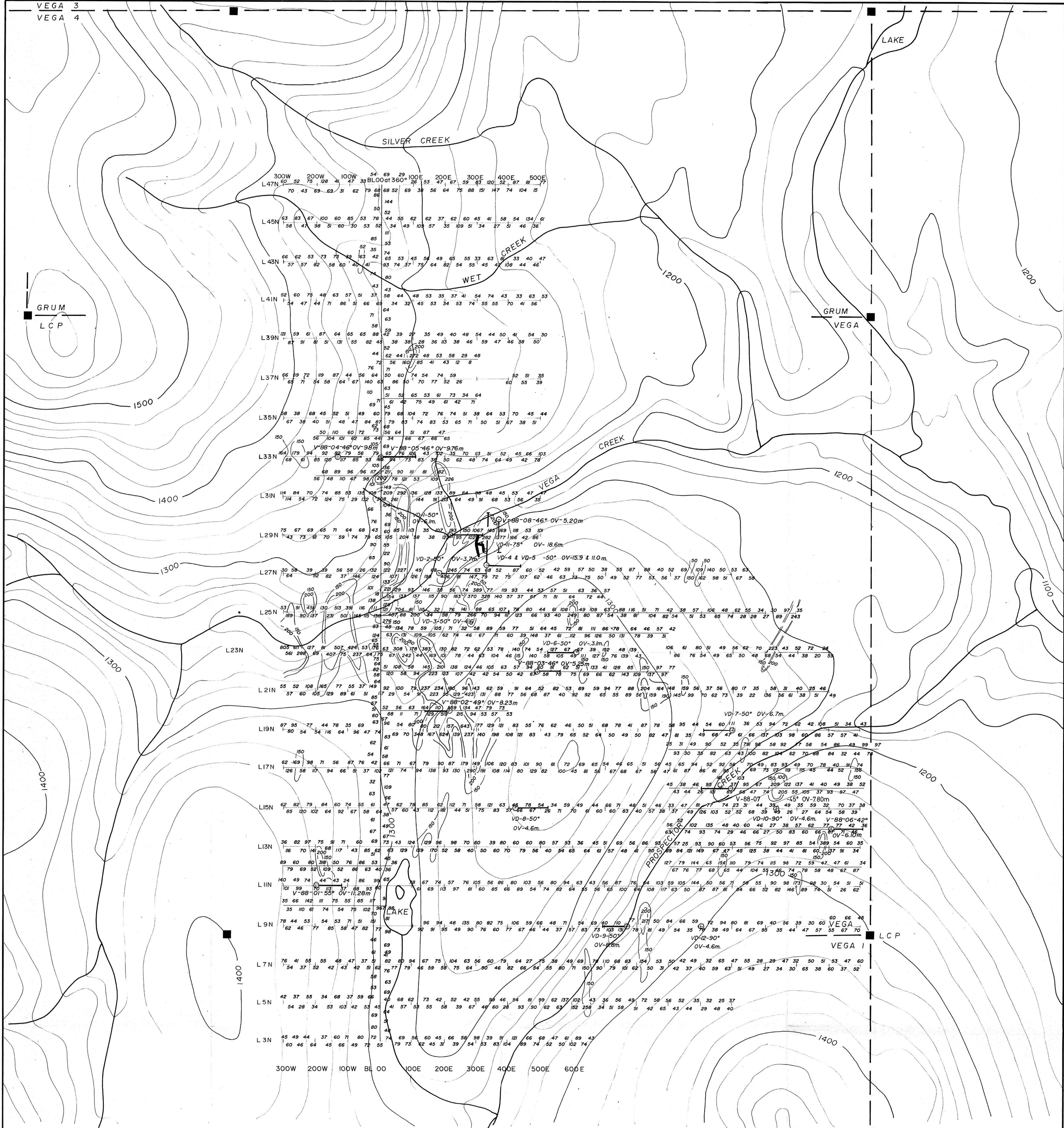
1000 500 0 1000 2000 3000 Meters

1 0.5 0 1 2 3 Kilometers.





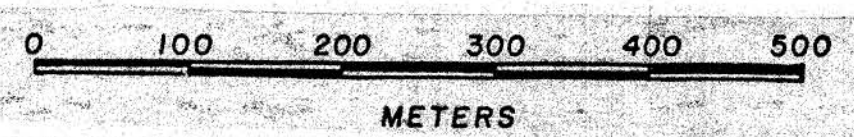
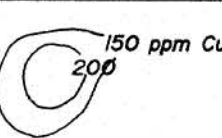
18,044



GEOLOGICAL BRANCH
ASSESSMENT REPORT

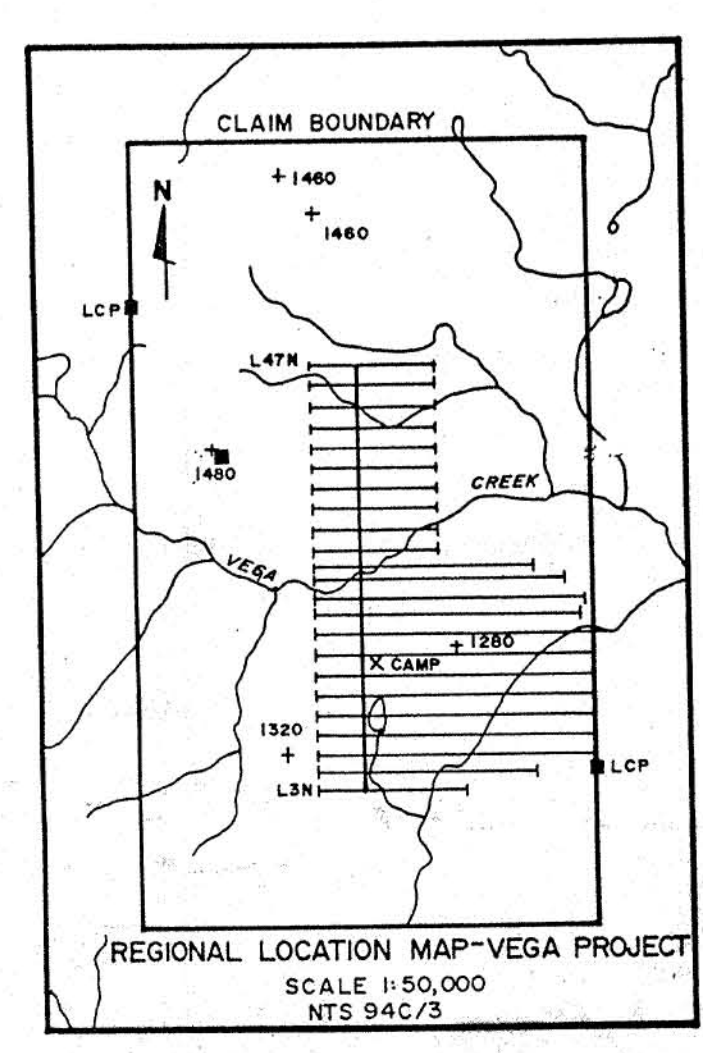
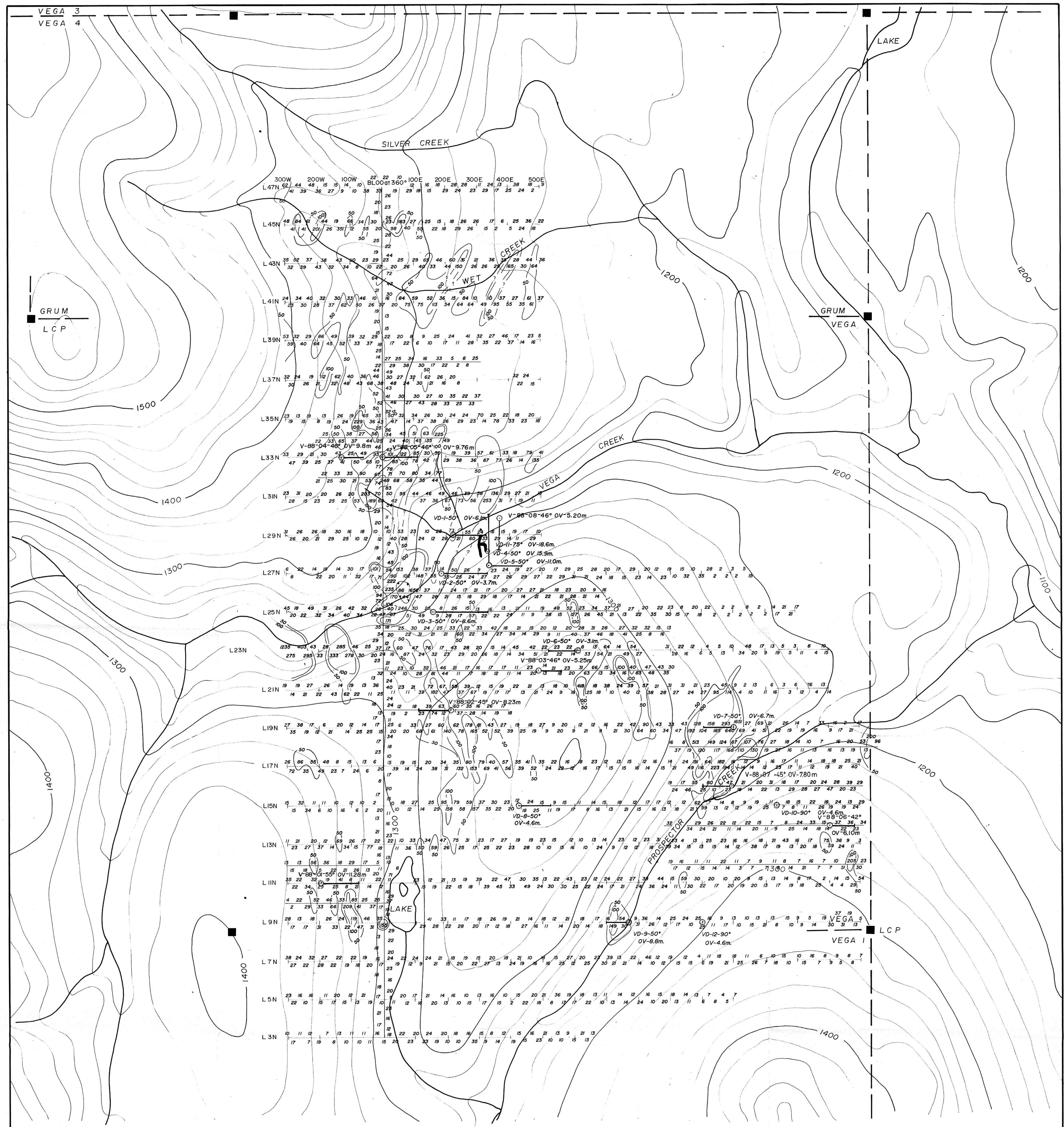
18,044

LEGEND



B.D.S. km

CYPRUS GOLD (CANADA) LTD. / CANMINE DEVELOPMENT J.V.	
VEGA PROJECT Cu(>150ppm) IN SOILS	
NTS 94c/3	
SURVEYED BY: G.M., S.R., H.K.	SCALE: 1:50,000
DATE: JUNE, AUGUST, 1998	MAP No 3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

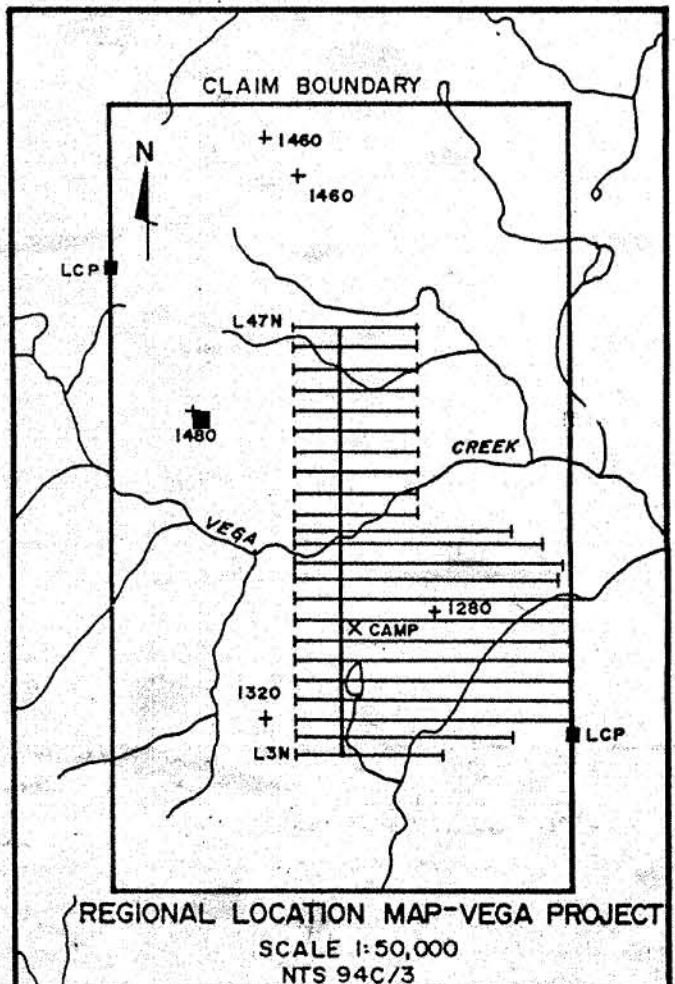
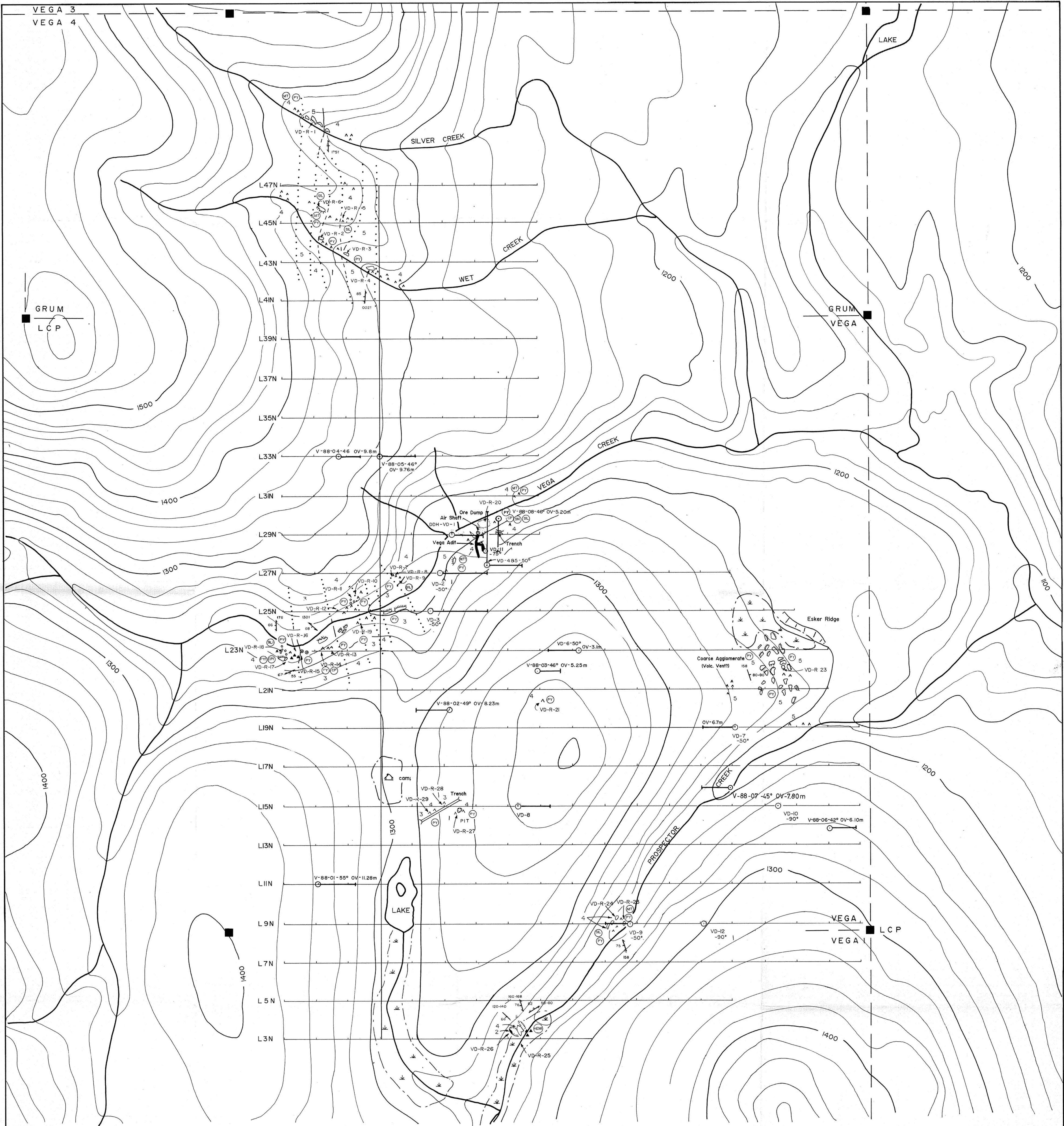
18,044

LEGEND
50 ppm As.
100

0 100 200 300 400 500
METERS

CYPRUS GOLD (CANADA) LTD. / CANMINE DEVELOPMENT J.V.	
VEGA PROJECT As (>50ppm) IN SOILS	
NTS 94C/3	
SURVEYED BY: G.M.S.R.H.K.	SCALE 1:15,000
DATE: JUNE, AUGUST, 1988	MAP No. 4

B.D.S. km

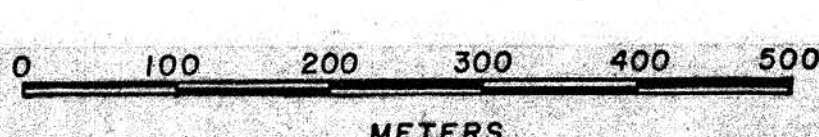


SYMBOLS

- BEDDING
- SCHISTOSITY
- OUTCROP WITH STEEP FACE, POSSIBLE OUTCROP, FLOAT.
- MINOR PYRITE MINERALIZATION, ABUNDANT PY MINERALIZATION, MAGNETITE, CHALCOPYRITE, BORNIITE
- ROCK SAMPLE LOCATIONS
- BRECCIATION
- BP DDH LOCATION, STRIKE, DIP AND VERTICAL PROJECTION INDICATED.
- SILICIFICATION
- HEMATITIZATION
- DEFINED, APPROXIMATE, ASSUMED GEOLOGICAL CONTACT.

LEGEND

- 1 SYENITE
- 2 GREYWACKE TO PEBBLE CONGLOMERATE
- 3 CHERT TO CHERTY, SILICIFIED FELSIC? VOLCANIC
- 4 ANDESITE CRYSTAL TUFF
- 5 ANDESITE LITHIC TUFF TO LOCALLY AGGLOMERATIC



GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,044

CYPRUS GOLD CANADA LTD. / CANMINE DEVELOPMENT J.V.	
VEGA PROJECT GEOLOGY	
NTS. 94c /3	
GEOLOGY BY: D.B. STEVENSON	SCALE: 1: 5000
DATE: JUNE 17, 1988	MAP N°. 1

DRAWN BY: B.D.S. km

CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 22 NORTH

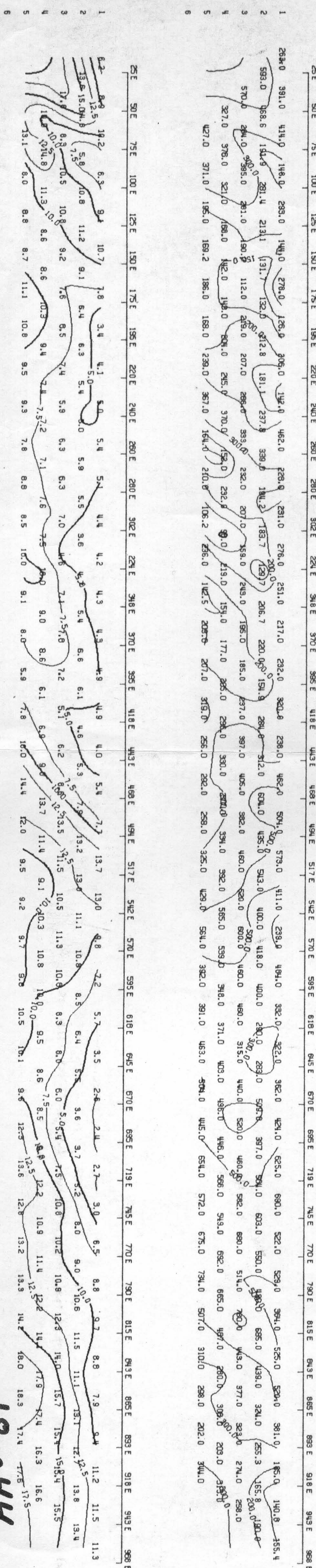
"A": 25.0 METRES N=1 TO 5

SCINTREX IPA-11 RECEIVER TX PULSE TIME: 2.0 SEC
POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



CANMINE DEVELOPMENT COMPANY

VEGA PROJECT

LINE NUMBER: 24 NORTH

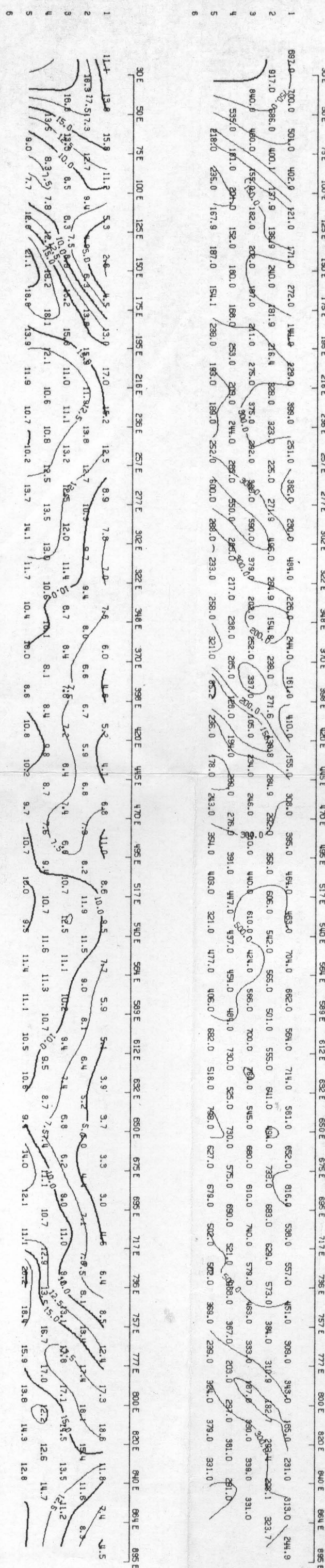
"A": 25.0 METRES N=1 TO 5

SCINTREX IPA-11 RECEIVER TX PULSE TIME: 2.0 SEC
POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1250

SLICE 7 (M7)

RESISTIVITY



18,044