ASSESSMENT REPORT ON THE JI PROPERTY
1994 GEOCHEMICAL, GEOLOGICAL & GEOPHYSICAL PROGRAM

Vancouver Mining Division, British Columbia

NTS Map Area 92G/13

Latitude 49° 52'N Longitude 123° 56'W

Claims: JI 1 - 6

Owner: Aquaterre Mineral Development Ltd.
1003, 470 Granville Street
Vancouver, BC
V6C 1V5

Operator: Aquaterre Mineral Development Ltd.
1003, 470 Granville Street
Vancouver, BC
V6C 1V5

by

M. Schatten, B.Sc.
January 30, 1995

Reviewed & Approved by
J. Kerr, P.Eng.

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

SUMMARY

A combination of geological mapping, rock and soil geochemistry, induced polarization, magnetometer and VLF-EM geophysical surveys were used in the 1994 field program to expand the copper soil anomaly defined in 1993 and locate a possible source(s).

Work was completed during August - October, 1994 and comprised 7.275 kilometres of compass and chain grid, 6.3 kilometres cut grid lines, 11 kilometres geological mapping (1:1,000), 4.8 kilometres induced polarization and 4.2 kilometres magnetometer and VLF-EM surveys. A total of 142 soil samples and 53 rock samples were collected and analyzed.

The 1994 field program was successful in expanding copper soil anomalies and defining conductive zones in a volcano / sedimentary package suited to host VMS deposits.

A series of westerly to northwesterly trending elevated copper zones in excess of 300ppm overlie or lie directly downslope of northwest trending contacts between bedded andesite tuffs and felsite flows. Induced polarization chargeability highs and associated resistivity lows often correspond or are immediately upslope of strong copper values. VLF-EM anomalies largely coincide with the chargeability highs in the southwestern part of the grid.

Copper soil anomalies remain open in the northwest and southwest. The induced polarization survey was completed to line 7+00W and on the southwest end of line 8+00W where high chargeability trends remain open.

Similar stratigraphy as the Britannia Mine deposits 64 kilometres southeast in Gambier Formation pendant rocks, combined with strong copper geochemistry and coincident chargeability highs and resistivity lows make the JI property an excellent prospect for continued exploration that would include diamond drilling across the favorable lithologies hosting strong geochemical and induced polarization anomalies.

1. INTRODUCTION

1.1 Location, Access and Terrain

The JI property is located approximately 90 kilometres northwest of Vancouver, BC and 45 kilometres east of Powell River, BC (Figure 1). The village of Egmont on the Sunshine Coast lies 14 kilometres to the south. Freil Lake is immediately west of the JI 6 claim.

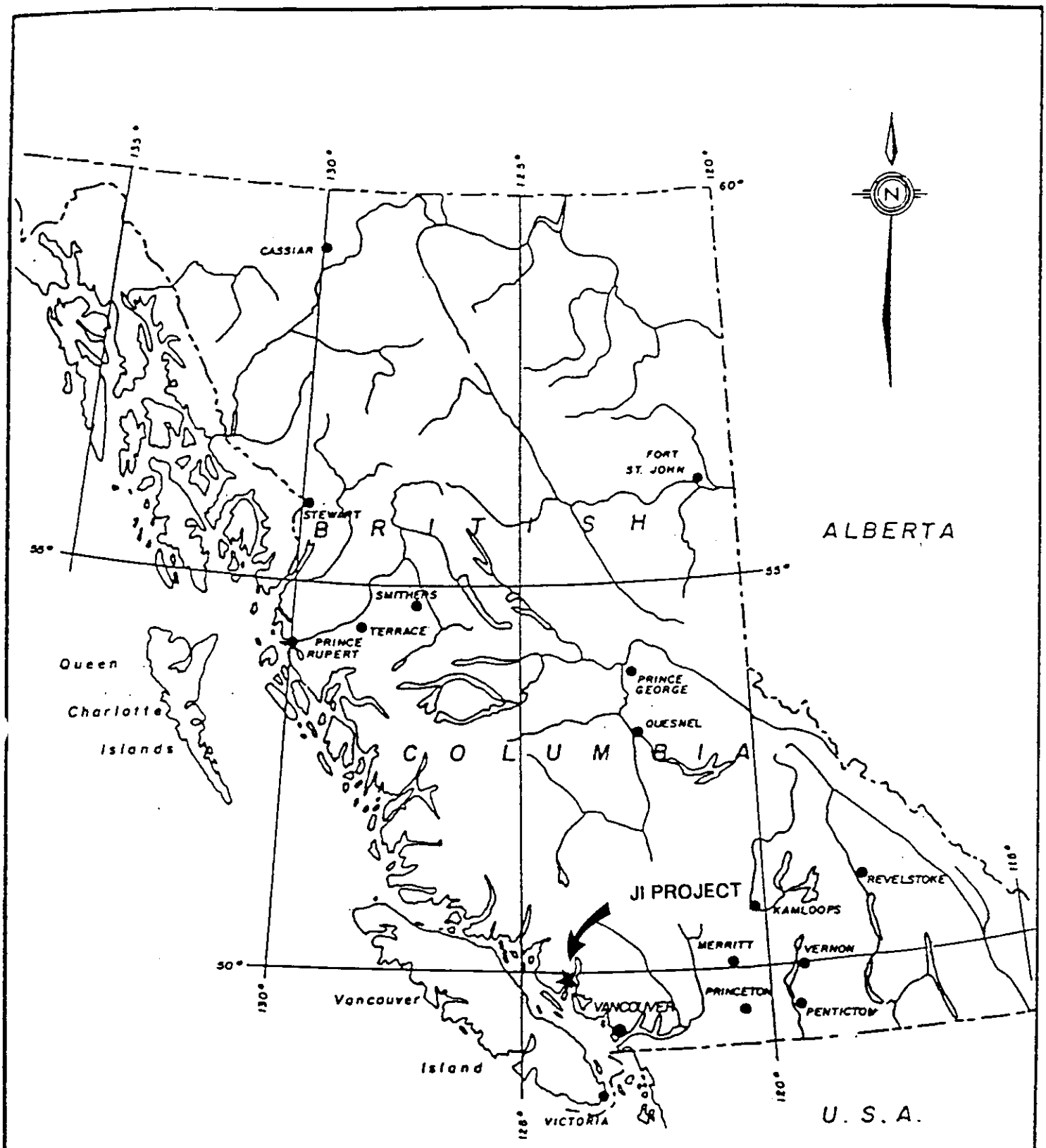
The claims are accessible by air and water. A helicopter was employed during the 1994 program and was based for part of the program in Egmont with the field crew and the rest of the program out of Sechelt. One-way flight time from Sechelt to Egmont is 15 minutes and from Egmont to the property 5 - 8 minutes. By water, a powerboat trip north along Jervis Inlet from Egmont to Samaurez Bluff (JI 5) is approximately 30 - 45 minutes. An alternate route is barging up Hotham sound to the south end of the claims where logging roads are available to the south and western portion of the property.

The property is located in the Coast Range mountains. Elevations on the claims range from sea level to 1,465 metres at Mt. Caulder located on the JI 1 claim. On the Samaurez Bluff grid elevations vary from sea level to approximately 600 metres above sea level. Near the shoreline of Jervis Inlet topography is moderate to extremely steep with numerous bluffs. Farther inland terrain is moderately steep.

Vegetation consists of stands of cedar and spruce and sparse to thick underbrush of slide alder and blackberry bushes. Portions of the claims have been logged off and are in various stages of regrowth. Here underbrush is dense.

1.2 *Claim Status*

The JI property (Figure 2) comprises 6 mineral claims (88 units) all recorded in the name of Aquaterre Mineral Development Ltd.. The expiry dates in Table 1 reflect the dates that will be in effect upon acceptance of this report.



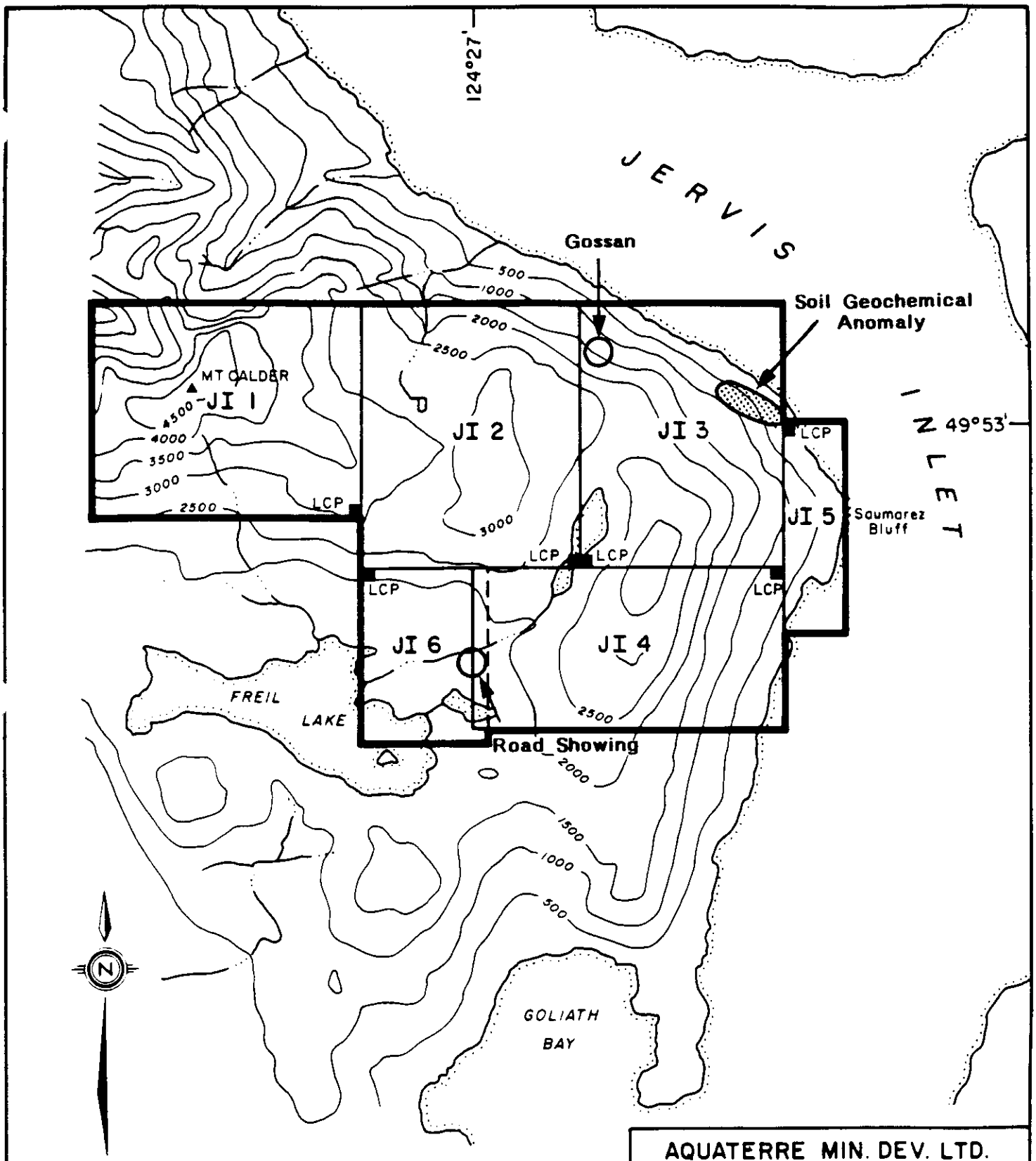
AQUATERRE MINERAL DEVELOPMENT

JI PROJECT

VANCOUVER MINING DIVISION, B.C.

LOCATION MAP

Technical Work by: PAMICON DEVELOPMENTS	Date: NOVEMBER, 1993
Scale 1CM = 87KM	Dwg No. 1



AQUATERRE MIN. DEV. LTD.

JI PROJECT
VANCOUVER MINING DIVISION, B C

CLAIM MAP

FIGURE 2

Date: FEB 1994	NTS: 92G/13	Scale: 1 50000

Table 1. Summary of Claim Particulars

Claim Name	Units	Tenure No.	Expiry Date*
JI 1	20	317922	05/27/1999
JI 2	20	317923	05/26/1999
JI 3	20	317924	05/26/2001
JI 4	18	317925	05/26/1999
JI 5	4	317926	05/26/2001
JI 6	6	320376	08/05/1999
Total Units	**88**		

* Upon acceptance of this report.

1.3 History

Documented work on the JI property appears to be confined to a soil geochemica, geological and prospecting program completed in 1974.

Strongly anomalous values in silt samples collected from a stream located near the present JI 5 legal corner post led to a work program of geological mapping and rock and soil geochemistry. The soil survey delineated a strong copper anomaly extending some 1100 metres by 400 metres (Folk, 1976). Geological mapping and rock sampling did not identify a source and no further work was carried out.

1.3.1 Aquaterre Mineral Development Ltd. (1993)

Upon staking the JI 1 -5 claims in the spring of 1993 an initial field program was carried out during July - October. A compass and chain survey grid, totaling 9.65 kilometres in grid lines and 1.7 kilometres in baseline, was established to redefine the 1975 copper geochemical anomaly near Samaurez Bluff. 407 soil samples, 3 silt samples and 123

rock samples were collected and analyzed for Cu + 9 + Ba. Geological mapping (1:2,500) and prospecting were carried out over parts of the Samaurez Bluff and Road Showing grids.

The soil geochemical program was successful in redefining strong copper soil anomalies on the western portion of the Samaurez Bluff grid, lines 1+00E to 7+00W. Copper in soil values are up to 1,542 ppm. Geological mapping and prospecting did not locate a bedrock source. Best copper results from rock samples are in the order of 237 - 663 ppm. Two hand trenches, situated on copper soil highs at L4+00W and L7+00W, failed to expose mineralized bedrock.

1.4 1994 Work Summary

Aquaterre Mineral Development Ltd. carried out field programs during the periods of August 29 - September 14, 1994 and October 24 - 25, 1994. Work consisted of compass and chain grid lines, cut grid lines, soil and rock geochemistry, geological mapping and induced polarization, magnetometer and VLF-EM geophysical surveys.

The 1993 grid baseline was extended 500metres to the northwest and 7.275 line kilometres of compass and chain grid was established. Soil samples collected at 50 metre and 25 metre stations total 142. Geologic mapping (1:1,000) was completed on 11 kilometres of grid and 53 rock samples were collected. 63 soil samples and 51 rock samples were analyzed for Au+9+Ba, the remaining rock and soil samples were analyzed for copper only.

Cut lines, including 800 metres of baseline and an 800 metre tieline, total 6.3 kilometres. An induced polarization survey, using 25 metre dipoles, was conducted on 4.8 line kilometres of the survey grid. Magnetometer and VLF-EM surveys were run over 4.2 kilometres of the I.P. grid.

1.5 Claims Work Performed On

JI 3	7.275 kilometres compass and chain grid lines
	6.3 kilometres cut grid lines
	142 soil samples
	53 rock samples
	10.5 kilometres geological mapping (1:1,000)
	4.8 kilometres induced polarization survey
	4.2 kilometres magnetometer and VLF-EM surveys
JI 5	0.5 kilometres geological mapping (1:1,000)

2. GEOLOGY

2.1.1 Regional Geology

The Britannia belt is comprised of a series of northwest trending volcanic and sedimentary roof pendants enclosed by the Tertiary to Cretaceous Coast Plutonic Complex. Rocks in the roof pendants are of several different ages and have been divided into pre-Jurassic metamorphosed volcanics and sediments and Lower Cretaceous Gambier Group volcanics and sedimentary rocks (Figure 3).

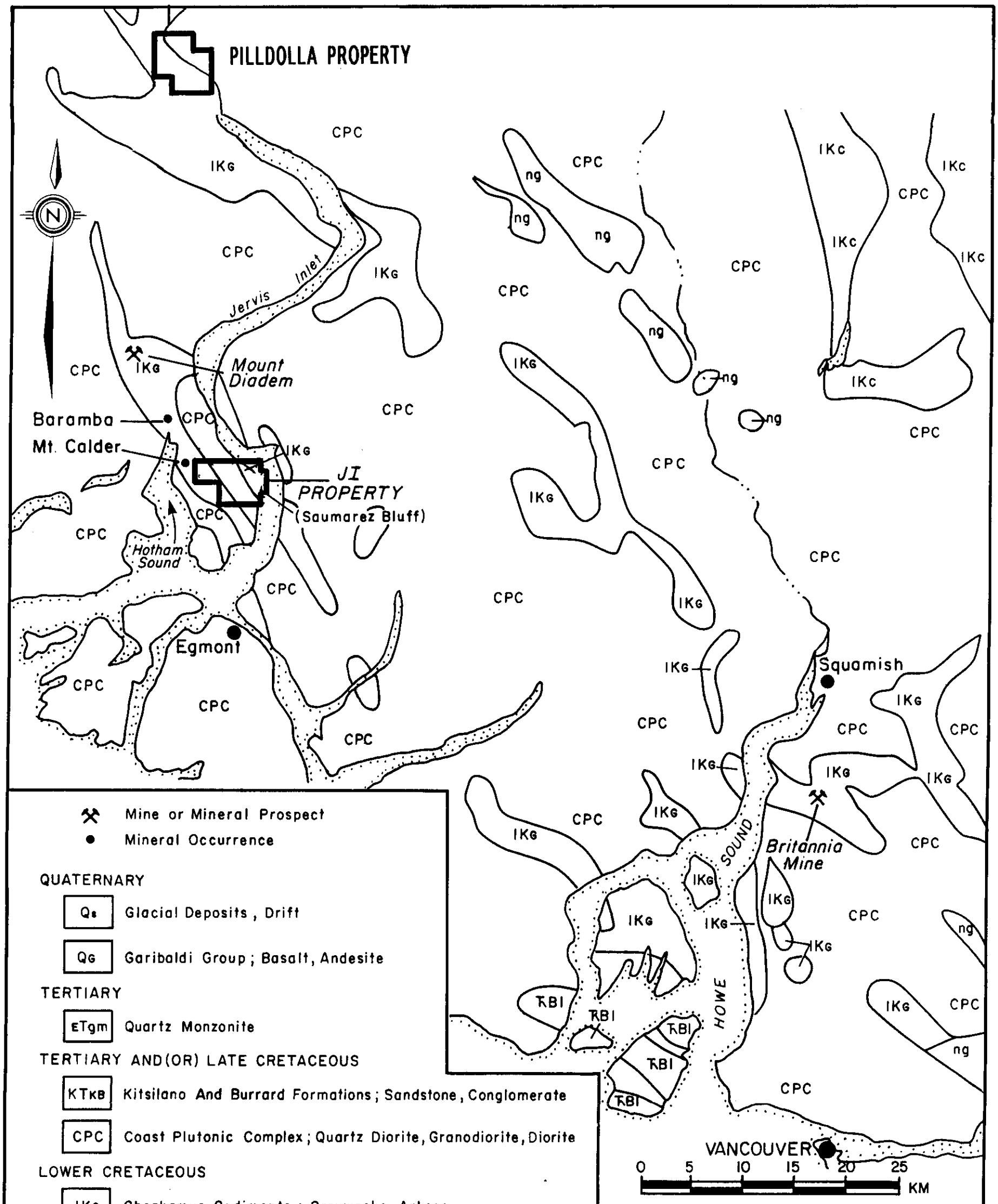
Metamorphic rocks, generally of the upper greenschist to amphibolite facies consist of gneiss, schist, quartzite and amphibolite. The Gambier Group is comprised of volcanic andesite, dacite and rhyolite flows, tuffs and breccias, argillite, siltstone, chert and limestone.

Regional government geology (Roddick & Woodsworth, 1979) indicates the JI claims are underlain by 3 narrow, northwesterly trending roof pendants composed of Gambier Group dacite to andesite tuffs and flows and argillite, siltstone and chert sedimentary rocks. Surrounding the roof pendants are Coast Plutonic Complex rocks.

2.1.2 Regional Mineralization

The Mt. Diadem prospect is located 41 kilometres north of the JI property and is underlain by similar Gambier Group rocks. Mineralization (Riccio et at, 1983) at the Lower Adit Zone consists of pods and lenses of massive shpalerite, chalcopyrite, pyrrhotite, galena and arsenopyrite developed within steeply dipping shears. At the Upper Adit Zone, en echelon stringer sulphides comprised of pyrrhotite-sphalerite, pyrrhotite-sphalerite-galena, pyrrhotite-chalcopyrite plus or minus tetrahedrite+pyrrhotite-sphalerite-chalcopyrite-galena form high grade zones up to 30m wide and 120m long enclosed by low grade zones.

The Britannia Mine is located 64 kilometres to the southeast of the JI claims. During the period of 1905-1974, 52.7 million tonnes of ore grading 1.1% Cu, 0.65% Zn, 0.2oz/t Ag and 0.02oz/t Au were produced. Ten different deposits were defined within the



AQUATERRE MIN. DEV. LTD.

PILLDOLLA AND JI PROJECTS
VANCOUVER MINING DIVISION, B.C.

REGIONAL GEOLOGICAL MAP

FIGURE 3

Date: FEB. 1994	NTS: 92	Scale: 1:400,000

Britannia shear zone. All mineralization occurred near the top of a dacite pyroclastic unit overlain by argillites.

2.2 Property Geology

2.2.1 Introduction

The property is underlain by at least three roof pendants of the Gambier Formation volcanic and sedimentary rocks surrounded by Coast Plutonic Complex diorite and granodiorite.

Approximately 11 kilometres of geological mapping on a scale of 1:1,000 (Figures 4a & 4b) was completed along and partially across grid lines in the eastern portion of the JI 3 claim.

Outcrop on the grid is generally abundant, forming a series of west to northwest trending cliffs 2 - 8 metres high. Between cliffs are often benches where rock exposure is poor. Away from the cliff and bench topography moderately steep slopes are continuous and subcrops dominate.

Geological mapping has been hampered by outcrops that are approximately 80% moss covered.

2.2.2 Lithologies

Metavolcanic and Metasedimentary Rocks

1 Felsite

The unit is comprised of undifferentiated felsic flows that compositionally range from dacites to rhyolites. Fresh surfaces are white and occasionally dark gray. Weathered surfaces are buff and rusty. Sparse white feldspar phenocrysts or quartz eyes may be present in a fine-grained matrix. Rare bedding, when present, is faint. Variable disseminated pyrite is common. Where the pyrite is moderately abundant the rock is

strongly bleached to a quartz-sericite-pyrite phyllic assemblage.

2 Andesite Tuff

Fresh surfaces are fine-grained, light to medium green-gray that weather the same and rusty. Sedimentary layering within the tuff package occurs as feldspar and quartz laminae and beds, generally less than 1 centimetre wide. Dark gray, fine-grained argillites are included as sub-unit 2s. Foliation and less common lineation may be defined.

Alteration is comprised of variable local epidote, chlorite and silica. Local pyrite occurs as disseminations, blebs, stringers and veinlets. Less common is specular hematite and magnetite clots.

3 Andesite Tuff / Felsite

The unit is transitional between the felsite flows and andesite tuffs. It is similar to the andesite tuffs but has lighter colored beds.

Dikes

10 Feldspar Porphyritic Andesite

Fresh surfaces are medium green-gray that weather buff and rusty. Altered phenocrysts, 10% - 20%, of fine to coarse plagioclase and mafics are in a fine-grained matrix. Pyrite, trace to 5%, occurs as disseminations, blebs and fracture controlled stringers. Included within the dike swarm is tuffaceous porphyritic andesite composed of partially aligned, broken feldspar crystals and possible lapilli.

The unit is well fractured and limonitic. Exposed contacts cutting metavolcanic and metasedimentary rocks are generally sharp. In at least one location fine-grained chill margins were observed.

There is a possible close age relationship with the felsite dikes. In several outcrops the dike gradually became more leucocratic and strongly resembled a felsite dike.

11 Feldspar Porphyritic Felsite

Included in the package are quartz monzonite and quartz porphyritic quartz monzonite

(11q). Fresh surfaces are light gray and commonly weather rusty. Feldspar and mafic phenocrysts plus or minus subhedral quartz phenocrysts are set in a fine- to medium-grained matrix. The unit is well fractured, limonitic and pyritic.

In the area of lines 1+00E - 5+50W felsite dikes both cut and conform to bedded andesite tuffs and felsite flows. Farther to the west porphyritic felsite comprises a considerable portion of rock exposed. This part of the unit may in fact represent a minor intrusion that has been emplaced as a sill with associated diking in the east. On line 11+00W the porphyritic felsite body is approximately 150 metres wide and appears to cut(?) the diorite.

The possibility exists that the larger packages of porphyritic felsite may not be intrusive in nature but thermally altered beds of felsite flow rocks.

12 Feldspar Porphyritic Andesite - Basalt

Fresh surfaces are dark gray and porphyritic with approximately 10 - 25% of fine to coarse plagioclase phenocrysts and rare olivine phenocrysts. The groundmass is fine-grained and of intermediate to mafic composition.

It is thought to be the youngest unit on the property and is seen cutting andesite tuffs, felsite flows, felsite dikes and granodiorite.

Plutonic Rocks

20 Diorite - Granodiorite

Intruding the metavolcanic and metasedimentary sequence are diorites to granodiorites thought to be part of the Cretaceous Coast Plutonic Complex. Fresh surfaces are speckled black and white and weather buff, brown and gossan. Grain size near contacts is fine to medium and generally equigranular with only rare occurrences of porphyritic diorite. In the southeast corner of the Samaurez Bluff grid coarse-grained granodiorite outcrops.

Alteration consists of local epidote and sericite. Pyrite and variable magnetite occurs as disseminations, blebs and stringers.

2.2.2 Structure

The stratigraphic sequence of regionally metamorphosed (greenschist facies), interbedded felsic flows and andesite tuffs strikes west-northwest, approximating the regional trend. Beds dip steeply in either direction. Indicators defining tops of beds have not as yet been identified and it is unknown which direction the section faces.

Foliation trends northwesterly to northerly and plunges steeply in either direction. At one outcrop of andesite tuff (L1+00E) lineation seen in the foliation plane is oriented 090°/65E.

Porphyritic andesite and porphyritic felsite dikes are strongly fractured, more so than metavolcanic and metasedimentary rocks. Two sets of fractures have been identified. One set trends northerly and plunges moderately to steeply to the west. The second set trends west-norhtwesterly and plunges steeply to the north-northeast.

Several small shears trend westerly and plunge steeply to the north or south. Larger structures are interpreted to parallel creek beds. Creeks located at lines I+00E, 2+00W - 3+00W and 7+00W are sub-parallel to grid lines and trend approximately 060°. A sharp contact along a steep gully on L1+00E cuts the regional northwesterly trend. Metasedimentary and metavolcanic rocks are truncated against diorite to the southeast.

A narrow breccia zone trends westerly across lines 2+00W and 3+00W. The nature of the breccia is uncertain.

2.2.3 Mineralization

Variable disseminated, bleb and fracture controlled pyrite is present in all lithologies examined. Veinlets and quartz stockworks with clots of magnetite and specular hematite occur in andesite tuffs in the southwestern part of the survey grid.

Rock sample 54253 collected at 4+45W and 5+88S ran 11.3 ppm Ag, 334 ppm Cu, 1,168 ppm Pb and 281 ppm Zn. Mineralization occurs as disseminated and fracture controlled pyrite to 10% and massive clots of magnetite. The host rock is an interbedded argillite and tuff with strong epidote, chlorite, vuggy quartz and specular

hematite.

Sample 54069 carried 338 ppm Mo and is hosted by a well fractured felsite flow rock with micro quartz veins and 2 - 5% disseminated and fracture pyrite and 1/2% fracture molybdenite.

Results from metasedimentary, metavolcanic and dike rock samples do not reflect copper values in soils.

Mineralization hosted by fine- to medium-grained diorites near the southwestern ends of lines 8+00W to 10+00W occurs as single element anomalies of copper or molybdenum. Rock sample 54236 carried 2.5 ppm Ag, 1,668 ppm Cu and 219 ppm Zn in a fine-grained diorite with 10% finely disseminated and fracture pyrite and 5% disseminated and fracture magnetite. Sample 54060 collected at L8+00W and 7+40S ran 1,095 ppm Mo. The host rock is a fine-grained diorite containing 1% disseminated and fracture pyrite and molybdenite.

The road showing was located in 1993 and is located approximately 3.5 kilometres west of the Samaurez Bluff grid on the boundary of JI 4 and JI 5 along a logging roadcut. A strong gossan zone extends over a width of 11 metres along an andesitic tuff and fine-grained diorite contact. Within the gossan zone diorite is intruded by a feldspar porphyritic basalt dike. A massive pyrite vein with crystal and massive chalcocite follows a fracture through altered diorite and possibly into the metasediments. The vein is up to a few centimetres wide at the base of the outcrop and narrows upslope where it pinches out. It can be traced over a strike length of approximately 4 metres. Select grab samples assayed 3.25% Cu (Todoruk & Schatten, 1993) but could not be duplicated by more representative chip samples.

3. GEOCHEMISTRY

3.1 Introduction

Copper soil anomalies on the Samaurez Bluff grid remained open to the northwest and southwest at the end of the 1993 field program. One of the objectives of the 1994 program was to expand the grid to the northwest and southwest to further delineate anomalous copper.

During the August 29 - September 14, 1994 program the survey grid was extended to the northwest. The baseline, oriented at 315°, was extended 500 metres from L7+00W to L12+00W. Compass and chain grid lines were surveyed in on a bearing of 225°. Grid lines vary in length from 100 metres, where topography is extreme, to 850 metres. Lines 4+00W - 7+00W were extended 100 metres to 250 metres to the southwest. On October 24 and 25, 1994 a follow-up program was conducted. Infill lines, at 50 metre spacing, were established from L3+50W - L9+50W. Elsewhere on the grid lines are spaced at 100 metre intervals. Flagged grid stations are largely at 50 metre spacing. In strongly anomalous areas sample density is at 25 metres.

Soil samples were collected from the "B" soil horizon at depths of 15 - 30 centimetres and placed in Kraft soil envelopes marked with the appropriate grid coordinate. In all, 142 soils were collected and shipped to Bondar-Clegg Laboratory in North Vancouver to be analyzed for Cu (79 soil samples) and Au+9+Ba (63 soil samples).

3.2 Soil Results

Copper results (Figure 5) are plotted on a slope corrected grid map. A clinometer or visual estimate was used to obtain slopes in the field. The slopes of two consecutive grid stations were averaged and that value used to calculate the horizontal distance between stations and plotted. Slopes generally approximate 40 degrees. A series of benches and bluffs exist along the northeastern parts of lines 0+00 - 7+00W.

Soil geochemistry completed in 1994 was successful in expanding copper anomalies to the northwest and southwest.

Copper values of 100 ppm and greater are considered anomalous and contoured on 100 ppm, 300 ppm, 500 ppm and 1,000 ppm intervals. The data has not been statistically analyzed.

Three large and several small anomalies are present from lines 2+00E - 12+00W. The largest anomalies will be discussed below in detail.

Anomaly I

Located between grid lines 2+00E and 5+00W, it is the most eastern anomaly. Widths vary from 25 metres up to 275 metres at L0+00 and 1+00N - 1+75S. The dominant trend of the anomaly is westerly. The southwestern portions of L1+00E and L0+00 the trend is to the southwest. Zones of low copper, generally less than 50 ppm over widths of 25 - 50 metres, incise the anomaly creating lobes. Values in the 100 - 299 ppm range comprise much of the anomaly, however zones and single station highs fall within the 300 - 1000 ppm contour range. One prominent zone is located along lines 3+00W - 4+00W at 3+00S - 4+00S. It trends westerly and has values of up to 825 ppm copper. A second, single line strongly anomalous zone lies at L0+00 from 1+25S to 1+75S and contains a high of 1,216 ppm. Anomaly I is in part open to the south and southwest.

Anomaly II

Anomaly II forms a semi-linear, northwest trending band along the northeast sections of lines 1+00W - 10+00W before trending southwest at L8+00W - L10+00W for some 200 - 300 metres and forming a 150 metre long west-northwest trending lobe. Sampling along the northwestern ends of lines 8+00W - 10+00W is incomplete due to cliffs and the configuration of the anomaly in this area may not be accurately presented.

Approximately 50% of copper values within the anomaly fall between 300 ppm and 500 ppm. The largest belt, enclosed within the northwest trending lobe, lies between lines 7+00W - 9+00W and 3+00S - 3+50S. Results are up to 802 ppm.

Anomaly II remains open, in part, to the north, northeast and possibly the northwest and southeast at its western edge.

Anomaly III

The anomaly is separated from Anomaly II, to the northeast, by a 25 metre wide belt of copper values less than 46 ppm. The general trend is west and northwest and covers an area from L6+00W - L12+00W. It is the widest copper anomaly on the grid, extending some 500 metres from 5+00S to 10+50S and is partially open to the southeast and northwest. Sample density along lines 10+00W and 11+00W is poor with gaps of up to 150 metres between samples.

Fifty percent of the samples contained in the anomaly have results of better than 300 ppm copper. The largest forms a roughly semi-linear and V-shaped anomaly that opens to the northwest and joins at its eastern corner. It is up to 100 metres wide. The northern half trends west and northwest, however may not be accurate due to low sample density. The southern portion trends west. Each lobe is at least 300 metres long, the northern one may be open in the northwest. Both contain copper in the 500 - 1,000 ppm range as narrow, 100 metres long, west trending zones. The southern lobe encloses a 50 metres wide, west trending belt of values of up to 2,973 ppm at L9+00W and 7+50S and 1,070 ppm at L8+50W and 7+00S.

A less prominent anomaly lies along lines 5+50W - 6+00W at 8+00S - 8+50S. It contains values of 206 ppm - 943 ppm copper and remains fully open to the southwest.

4. GEOPHYSICS

4.1 Introduction

SJ Geophysics Ltd., under the direction of Aquaterre Mineral Development Ltd., conducted induced polarization, VLF-EM and magnetometer surveys during the first half of September, 1994 on the JI 3 claim.

The induced polarization survey was conducted on grid lines 0+00, 3+00W - 7+00W and 300 metres of line 8+00W, lines moderately to strongly anomalous in copper. The survey totaled 4.8 kilometres. Magnetometer and VLF-EM surveys, totaling 4.2 kilometres each, were completed on lines 3+00W - 7+00W and 300 metres at the southwest end of line 8+00W.

Refer to Appendix I, Geophysical Report, for instrumentation and data presentation.

4.2 Results

The magnetometer survey outlined 3 northwest trending areas of higher magnetic susceptibility. Two of the largest underlie the extreme southwest end of the grid, are roughly parallel and open to the northwest. The southwestern most anomaly is also open to the southwest and extending at least 100 metres by 75 metres. The anomaly lying directly to the northeast is 200 metres long and up to 100 metres wide, narrowing to 25 metres at its northwest end. The third magnetic anomaly is located between lines 3+00W, where it remains open, and 5+00W at approximately 3+25S - 3+75S.

A number of weak to moderate VLF-EM anomalies are present on the southwestern parts of lines 3+00W - 7+00W.

The induced polarization survey results are discussed with respect to those included in the geology, geochemistry and induced polarization compilation map, Figure 6. The reader is referred to the Geophysical Report, Appendix I, for a detailed report of survey results.

The survey delineated numerous moderate to strong chargeability anomalies, largely with associated resistivity lows that form west-northwesterly to northwesterly trending belts 100 metres to 800 metres long.

The most prominent belt can be traced from line 8+00W to 3+00W and may connect with a chargeability high along strike on line 0+00. It is open in the northwest.

To the northeast and southwest on lines 3+00W - 4+00W and 4+00W - 5+00W are 3 anomalous 100 metre long zones. Farther west at the northeast end of lines 6+00W - 7+00W a 100 metre long anomaly remains open in the northwest. A belt at least 200 metre long trends across the southwest portion of lines 6+00W - 8+00W. It is open in the northwest.

5. DISCUSSION OF RESULTS

Soil geochemistry expanded existing copper anomalies to the northwest and southwest where they remain partially open. Three large anomalies trend westerly to northwesterly across lines 2+00E - 12+00W. The largest is at least 500 metres x 600 metres in diameter. All contain elevated west to northwest trending zones of copper in the 300ppm - 2,973ppm range.

Northwesterly trending zones of anomalously high chargeability, possibly to 800 metres long, are often coincident or directly upslope of strong copper soil values. Moderate to strong resistivity lows correspond with chargeability highs.

VLF-EM anomalies at the southwestern ends of lines 3+00W - 7+00W are partially coincident or near chargeability highs. The anomalies may indicate more massive sulphide lenses in addition to disseminated sulphides in this part of the grid.

The stratigraphy follows the regional trend, striking west to northwest and dipping steeply in either direction. Beds of andesite tuff, felsite flows and thinly interbedded tuffs and flows underlie much of the grid. Felsic to mafic dikes and sills intrude the bedded sequence. From lines 5+00W through 12+00W feldspar porphyritic felsite is considerably extensive and it remains uncertain whether this is a larger intrusive body than the narrow dikes and sills in the east or thermally altered beds of felsite flows. Coast Plutonic Complex diorite outcrops at the extreme northwest and southwest portions of the grid and in the area of L1+00E. The magnetometer survey outlined 2 anomalies in the southwest that correspond to mapped exposures of diorite. A magnetic anomaly in the central part of lines 3+00W - 5+00W remains unexplained.

Faults are interpreted to parallel creek beds on lines 7+00W, 3+00W and 1+00E and trend roughly northeasterly. In these areas beds appear to be truncated and orientations cut the regional trend. Magnetic data is anomalous on lines 6+00W and 7+00W from 0+00 - 5+00S and may indicate a fault. VLF-EM did little to verify interpreted structures due to the orientation of survey lines, sub-parallel to assumed faults / shears.

Strongly elevated copper values (>300ppm) often parallel or lie directly downslope of contacts between the bedded andesite tuffs and felsite flows. Additional base metals such as silver, lead and zinc have not been well defined by soil geochemistry however rock sample 54236 carried 11.3ppm Ag and 1,168ppm Pb in an epidote-chlorite-quartz altered interbedded sediment and tuff.

At the southwestern ends of lines 6+00W - 12+00W at least part of the copper anomaly is thought to have migrated downslope from the diorite. Rock sample 54236, collected at 9+60W and 7+85S, carried 1,668ppm Cu in a fine-grained diorite with pyrite and magnetite.

Readily accessible drill site locations are provided by 2 helicopter pads near the ends of line 2+00W and 5+75W. These are optimum sites for drilling anomalies II and III that have coincident chargeability highs, resistivity lows and VLF anomalies.

The JI property is underlain by a similar package of rocks as those hosting the Britannia Mine deposit, 64 kilometres along strike to the southeast. The Britannia Mine produced over 55,000,000 tons grading 1.1% copper. Base metal mineralization similar to the Mt. Diadem prospect occurs at Mt. Caulder immediately west of the JI 1 claim.

A program of continued geological mapping, soil geochemistry, limited diamond drilling and contingent upon results, geophysics are needed to better define lithologies, structures and mineralization.

6. COST STATEMENT

August 28 - September 13, 1994

LABOR (including travel)

Geologists			
J. Kerr	1 day @ $350/day	$ 350.00	
J. Payne	1 day @ $450/day	450.00	
M. Schatten	12 days @ $210/day	2,520.00	
R. Falls	9 days @ $260/day	2,340.00	
Samplers & IP Assistant			
D. Mason	9 days @ $150/day	1,350.00	
T. Crozier	3.5 days @ $120/day	420.00	
S. Link	2 days @ $150/day	300.00	
G. McDonald	2 days @ $125/day	250.00	
Linecutters			
D. Harris	13 days @ $210/day	2,730.00	
P. McDonald	13 days @ $210/day	2,730.00	
Cook			
S. Link	7 days @ $150/day	1,050.00	$14,490.00

CONTRACTS

Helicopter		
32hrs @ $707.50/hr (including fuel)	22,640.00	
pad rental	112.50	
SJ Geophysics Ltd.		
8 days @ $1,750/day	14,000.00	
3 days @ $1,275/day	3,825.00	
compilation & report	3,235.00	43,812.50

ROOM & BOARD

87 mandays @ $50/man/day	4,350.00	4,350.00

ANALYTICAL

40 rock samples @ $16.75/sample	670.00	
63 soil samples @ $15.85/sample	998.55	1,668.55

RENTALS

Radios	400.00	
Chainsaws 24 days @ $25/day	600.00	
Magnetometer & VLF 3 days @ $150/day	450.00	
Truck rental 8 days @ $40/day	320.00	
Mileage - 200km @ $0.15/km	30.00	1,800.00

(continued next page)

FIELD SUPPLIES	700.00	700.00
MISCELLANEOUS		
Telephone, ferry, travel meals	644.00	644.00
PHOTOCOPIES, REPRODUCTIONS	400.00	400.00
DRAFTING, COMPILATION, REPORT		
M. Schatten 14days @ $210/day	2,940.00	2,940.00
SUBTOTAL EXPENSES		**$70,805.05**

October 23 - 26, 1994

LABOR		
Geologists		
M. Schatten 3 days @ $210/day	$ 630.00	
A. Wilkins 2.5 days @ $250/day	625.00	
Samplers		
S. Link 2.5 days @ $150/day	375.00	
S. McDougall 3 days @ $150/ day	450.00	2,080.00
CONTRACTS		
Helicopter		
3 hrs @ $750/hr (including fuel)	2,250.00	
pad rental	30.00	2,280.00
ROOM & BOARD		
15 mandays (including pilot) $50/man/day	750.00	750.00
ANALYTICAL		
79 soils @ $9/sample	711.00	
2 rock @ $16.75/sample	19.80	
11 rock @ $16.75/sample	184.25	
3 whole rock @ $30/sample	30.00	945.05
RENTALS		
Radios	120.00	
Truck - 3 days @ $40/day	120.00	
698km @ $0.15/km	104.70	344.70
SUBTOTAL EXPENSES		**$6,399.75**
TOTAL EXPENSES		**$77,204.80**

7. BIBLIOGRAPHY

Folk, P., 1976; BCMEMPR Assessment Report: Geological and Geochemical Survey on the Bun Claims for L. G. White.

Riccio, L., Crowe, G., Scott, A., Matysek, P., 1983; Geological, Geochemical and Geophysical Report on the Lois 1-6, 8, 9, Fox and Diadem Mineral Claims for Anaconda Canada Explorations.

Roddick, J.A. and Woodsworth, G.J., 1979; Geolocgy of Vancouver West Half and Mainland Part of Alberni; Geological Survey of Canada Open File 611.

Todoruk, S. L. and Schatten, M. G., 1993; 1993 Geological, Geochemical and Prospecting Report on the JI Project for Aquaterre Mineral Development Ltd..

8. STATEMENT OF QUALIFICATIONS

I, MYRA G. SCHATTEN, resident of Calgary, Province of Alberta, hereby certifies as follows:

1. I am a contract geologist currently employed by Aquaterre Mineral Development Ltd. at 1003, 470 Granville St., Vancouver, BC.

2. I was actively involved as a field geologist on the JI property during the 1994 geological, geochemical and geophysical program and assisted in the collection of the data referred to in this report.

3. I graduated from the University of Alberta, Edmonton, Alberta, B.Sc. Geology, 1987. I have been actively involved in mineral exploration since 1987.

DATED at Vancouver, Province of British Columbia this 30th day of January, 1995.

M.G. Schatten, B.Sc.
Geologist

I, JOHN R. KERR, of Vancouver, British Columbia, do hereby certify that:

1. I am a member of the Association of Professional Engineers of British Columbia and a Fellow of the Geological Association of Canada.

2. I am a geologist employed by Aquaterre Mineral Development Ltd. at 1003, 470 Granville St., Vancouver, BC.

3. I am a graduate of the University of British Columbia (1964) with a B.A.Sc. degree in Geological Engineering.

4. I have practiced my profession continuously since graduation.

5. I supervised and assisted in the collection of the data as compiled in this report. I have reviewed the contents of this report which is based on the aforementioned data, and supervised the compilation and authorship by M. Schatten. I verify the costs as reported to be true.

6. I am an officer and director of Aquaterre Mineral Development Ltd. and hold a direct and indirect interest in the securities of this company.

DATED at Vancouver, Province of British Columbia this 30th day of January, 1995.

J.R. Kerr, P. Eng.

APPENDIX I

GEOPHYSICAL REPORT

GEOPHYSICAL REPORT

INDUCED POLARIZATION MAGNETOMETER & VLF-EM SURVEYS

on the

JI CLAIMS

VANCOUVER, Mining Division N.T.S. 92 G/13

Prepared for:

AQUATERRE MINERAL DEVELOPMENT LTD.
1003 - 470 Granville Street
Vancouver, B.C.
V6C 1V5

Prepared by:

Todd A. Ballantyne, P. Geo.

SJ GEOPHYSICS LTD.
11762 - 94th Avenue
Delta, British Columbia
Canada V4C 3R7

December 1994

TABLE OF CONTENTS

SJ Geophysics Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466

INTRODUCTION

Induced Polarization, magnetometer and VLF-EM surveys were completed by SJ Geophysics Ltd. for Aquaterre Mineral Development Ltd. on the JI Claims. The JI Claims are located on the rugged west slope of Jarvis Inlet, 50 km due east of Powell River and 120 km northwest of Vancouver. They are located, in the Vancouver mining division, B.C. (N.T.S. 93 G/13).

The purpose of the survey was to aid in the mapping of local geology and to search for disseminated sulphide mineralization. This report is an addendum to the geological report written by Aquaterre Mineral Development Ltd..

FIELD WORK AND INSTRUMENTATION

The Induced Polarization, Magnetometer & VLF-EM surveys were completed during the period September 3 to 13, 1994, which comprised 8 data acquisition days, 1 weather day and 2 mobe/demobe days. Data acquisition, field processing and presentation was performed by John Ashenhurst (Technologist). The surveys were supervised by Rolf Krawinkel (Geophysicist). Magnetometer and VLF-EM surveying was performed at 12.5 metre intervals along 100 metre spaced, flagged lines for a total of 4.2 kilometres. Induced Polarization surveying was performed at 25 metre dipoles along 100 metre spaced, flagged lines for a total of 4.8 kilometres. Survey production was slowed due to extreme topography and the occasional use of ropes to move the crew and equipment over cliffs.

An EDA OMNI PLUS combined proton precession magnetometer and VLF-EM system was used for data acquisition and an EDA OMNI IV proton precession magnetometer was used as a base station which recorded data in five second intervals. The VLF-EM survey used a signal from Seattle (24.8 kHz, NLK). VLF data was acquired facing northeast.

The data was field processed as time permitted. Data was finalized in the office. Final data plotting was performed on a 36 inch Ink Jet Colour Plotter.

SJ Geophysics Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466

DATA PRESENTATION

The I.P. data, magnetic data, VLF-EM data, filtered VLF-EM data (using a standard four point Fraser filter) and compilation of the IP, magnetic and VLF-EM data are presented on the following plates:

Plate G1A	Magnetometer Survey Total Field Profiles	In Pocket
Plate cG1B	Magnetometer Survey Total Field Contours	In Pocket
Plate G1C	Magnetometer Survey Colour Contour Map (Not included in Assessment Report)	
Plate G2A	VLF-EM Survey - Seattle, NLK 24.8 kHz Dip Angle, Quadrature & Topography Profiles	In Pocket
Plate G2B	VLF-EM Survey - Seattle, NLK 24.8 kHz Fraser Filtered Dip Angle Contours	In Pocket
Plate G3A	Induced Polarization Survey Chargeability Contours (N=1)	In Pocket
Plate G3B	Induced Polarization Survey Chargeability Contours (N=3)	In Pocket
Plate G3C	Induced Polarization Survey Chargeability Colour Contours (N=1) (Not included in Assessment Report)	
Plate G3D	Induced Polarization Survey Chargeability Colour Contours (N=1) (Not included in Assessment Report)	
Plate G4A	Induced Polarization Survey Apparent Resistivity Contours (N=1)	In Pocket
Plate G4B	Induced Polarization Survey Apparent Resistivity Contours (N=3)	
Plate G4C	Induced Polarization Survey Apparent Resistivity Colour Contours (N=1) (Not included in Assessment Report)	In Pocket
Plate G4D	Induced Polarization Survey Apparent Resistivity Colour Contours (N=3) (Not included in Assessment Report)	In Pocket

Induced Polarization Pseudosections - Appendix II

INTERPRETATION

The interpretation is presented on the compilation map plate G5A. Only the most prominent anomalies will be discussed. The geophysical surveying comprises only a small portion of the actual grid area being investigated on the JI Claims. Discussions regarding directions on the grid will be in terms of grid east, north, south, and west.

MAGNETICS

The overall magnetic relief on the survey area is roughly 1,600 nT. The most active response is limited to the southwest corner of the surveyed area. The remainder of the survey area has a much lower magnetic response in both magnitude and activity. There is a marked change in the magnetic background between lines 600W and 700W from approximately 500S to 0. This may suggest a lithological change that is running sub-parallel to the grid lines here, but this can not be confirmed without data in this area on line 800W. Numerous short length magnetic linear trends are noted on the compilation map, there is insufficient data density to confirm these trends (i.e., 50 metre line spacing would be useful, but likely inappropriate considering the topography and the early stages of exploration so far).

Magnetic anomaly A is located in the southwestern corner of the survey area and is shown as an anomalous area rather than a specific anomaly. From the data available this anomaly does not appear to continue to line 500W. This is likely explained by a cross-structure some where between lines 500W and 600W that terminates this feature or a lithological contact exists in this area.

Magnetic anomaly B is a magnetic high located in the centre of the grid across lines 300W through 500W with the possibility of extending to line 600W at 450S.

There is rapid change in the magnetic response on line 700W from 200S to 0 that may be of interest and may correlate with an increased magnetic response noted on line 600W near 50S.

VLF-EM

The results of the VLF-EM survey are presented on the compilation map plate G5A. There are very few anomalies. For the most part they do not appear to be caused by topography as the anomaly wavelength is much larger than topography. The dip angle data collected towards the baseline is increasing in magnitude while the slope of topography is still negative.

SJ Geophysics Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466

INDUCED POLARIZATION

The I.P. plan maps, plates G3 and G4, have been contoured using the calculated total chargeability. The magnitude of the total chargeability data differs from that of specific chargeability channels, i.e. M3 or M6 used in the pseudosections, hence the IP plan maps will not appear to have the intense colour presentation as seen in the pseudosections, even though the same colour distributions are used. The calculated apparent resistivity data may have been affected by the extreme topography on the survey area. The topography is responsible for poorer control over the known locations of the current source and the measuring electrodes. Therefore resistivity calculations which are based on this geometry may be affected. We expect this effect to be minimal as every attempt is made in the field to keep the measuring electrode spacing to 25 metres, even if it requires placing electrodes short or beyond a station location.

The colour contour plan maps for chargeability and resistivity, plates G3C/D and G4C/D (not included in the assessment report), can be viewed as data compilation overviews. The IP pseudosections will be discussed individually also.

In general chargeability anomalies are associated with resistivity lows. The chargeability response of the surveyed lines exhibits a very high background. The western half of the surveyed grid displays highly anomalous chargeability which lessens towards the eastern half of the surveyed grid. As the chargeability response lessens to the east it also appears to be responding to a deeper source. This is shown on line 400W which suggests that the chargeability anomaly is at depth. Line 300W shows only a hint of a weak chargeability anomaly at depth and a narrow weak anomaly at the surface. The chargeability response may be increasing east of line 0. Line 0 shows a narrow moderate IP response on the north end of the line associated with a resistivity low.

The resistivity data indicates a near surface resistivity high with little depth extent on the northern ends of lines 700W through 400W. Although on line 400W there is a possibility of the depth extent increasing. On lines 300W and 0 this anomaly is lower in magnitude and appears to have depth extent. Across both of these lines is a lower resistivity area south of this anomaly and then another moderate resistivity high yet further to the south.

Line 700 W

This is the most responsive line regarding the chargeability response. Starting at the north end of the line there is a strong chargeability anomaly between approximately 100S and 300S at depth with less response at surface. In this area the resistivity response is strong and near surface resembling a cap. From 300S to 425S is a strong chargeability

SJ Geophysics Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466

anomaly. A near surface chargeability anomaly between 475S and 550S may not have depth extent as shown. The response which is shown to depth N=6 may be due to near surface contributions from this anomaly and the anomaly just north. A strong chargeability anomaly at depth at 650S may have been enhanced by near surface anomalies on either side of it. It is likely real due to an associated low resistivity anomaly at depth noted on the resistivity section.

Line 600 W

The entire line is subject to a very high chargeability background. The most prominent chargeability anomaly is located between 375S and 300S. This anomaly may be associated with the southern contact of the near surface, high resistive anomaly cap on the northern end of the line. A strong chargeability anomaly is located near surface between 700S and 625S. It does not appear to have depth extent.

Line 500 W

This line also has a high chargeability background. The north end of the line between 250S and 100S has a moderate chargeability anomaly which appears to be at depth without a near surface response. The near surface area is occupied by a high resistivity anomaly without depth extent. A subtle chargeability anomaly within a high chargeability background is located between 550S and 450S, it may not have depth extent.

Line 400 W

The background chargeability response on this line is less than lines to the west and it also appears to be associated with a deeper source. A narrow, near surface moderate chargeability anomaly is located at 275S. At 700S is a moderate chargeability anomaly. It may be 50 metres wide. As it occurs at the end of the line, it can not be determined whether there is any depth extent associated. The resistivity anomaly at the north end of the line, which continues from line 700W, appears to have a greater depth extent.

Line 300 W

Anomalous chargeability response is almost non-existent, except for a narrow, weak anomaly at the south end of the line and two very weak anomalies at depth in the areas of 275S and 175S. Two strong resistivity anomalies may be continuous to similar anomalies on line 0. Including the low resistivity anomaly between them.

Line 0

Chargeability background is very low by comparison to the western lines. A narrow, near surface moderate chargeability anomaly is located at 175S on the north end of the line. This may indicate a resurgence of the lithologies responsible for the chargeability anomalies on the western lines.

SJ Geophysics Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466

RECOMMENDATIONS

The geophysical data should be compiled with geological mapping and sampling to enhance the existing geophysical interpretation and to determine if infill mag or other geophysical techniques are required increase the geological and geophysical information.

If drill targets are to be picked from this Induced Polarization data it is highly recommended to re-evaluate the data with a geophysicist and a geologist.

Determine what the background chargeability is for this area to better understand what defines an anomaly in the IP data.

A meeting between the project geologist and the author is recommended to discuss the results of these surveys in more detail than can easily be included in a written report.

CONCLUSION

The magnetometer survey has identified a large, active magnetic anomaly in the southwest corner of the surveyed area. The remainder of the survey area is described a much lower magnetic response in both magnitude and activity. Numerous short strike length magnetic linear trends are noted within this area.

The VLF-EM survey delineated few anomalies in this rugged terrain. For the most part topography does not appear to have caused any problem, other than a large base shift in the dip angle data of at least 40%.

The Induced Polarization survey has identified the western half of the surveyed area to contain virtually all of the chargeability anomalies. A gradation from most anomalous on line 700W to least anomalous on line 300W is very evident. As the chargeability anomalies decrease eastward from line 700W, line 400W data suggests that the source may be becoming deeper. Line 300W does not continue to chargeability trend. However, on line 0 there is a hint that the chargeability response may be increasing again to the east. The resistivity data suggests a near surface highly resistive layer, with little depth extent, along the north ends of lines 700W through 400W. In general the chargeability anomalies are associated with resistivity lows.

21 December, 1994

Todd A. Ballantyne, B.Sc., P. Geo.
Geophysicist

SJ Geophysics Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466

APPENDIX I

Statement Of Qualifications

I, Todd A. Ballantyne, of 3538 West Sixteenth Avenue, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geophysics.

2. THAT I have been engaged in mining and petroleum exploration since 1987.

3. THAT I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. THAT this report is based on fieldwork carried out by SJ Geophysics Ltd. Personnel in September 1994.

5. THAT I consent to the use by Aquaterre Mineral Development Ltd. of this report in a Statement of Material Facts or any such document as may be required by the Vancouver Stock Exchange or the Office of the Superintendent of Brokers.

21 December, 1994

Todd A. Ballantyne, B.Sc., P. Geo.
Geophysicist

SJ Geophysics Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466

APPENDIX II

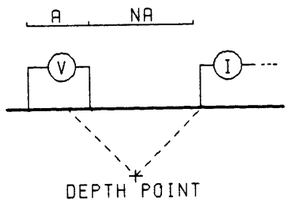
Pseudosections

SJ Geophysics Ltd. 11762 - 94th Ave., Delta, B.C. Canada tel (604) 582-1100 fax (604) 589-7466

LINE : 800 W

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1. 2. 3. 4. ...
"A" SPACING = 25.0 METRES

PSEUDOSECTI ON

AQUATERRE MIN. DEV. LTD.

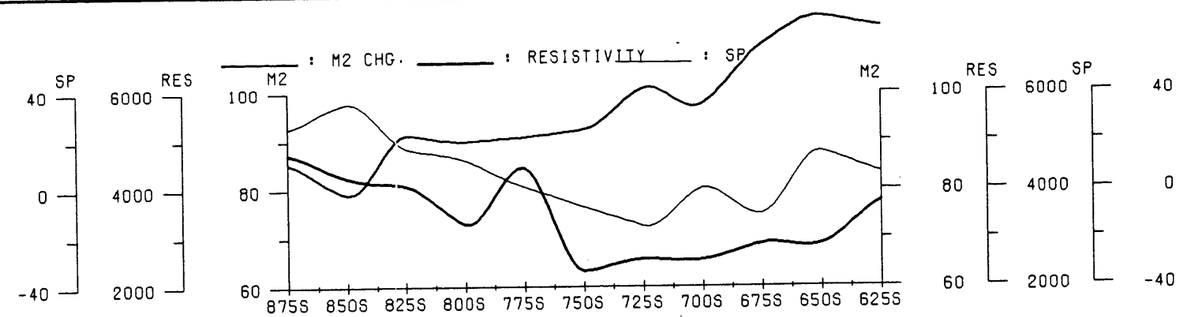
JI CLAIMS

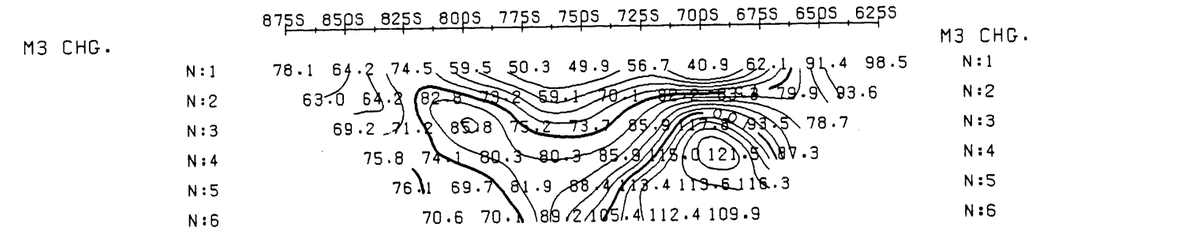
VANCOUVER M.D., B.C.

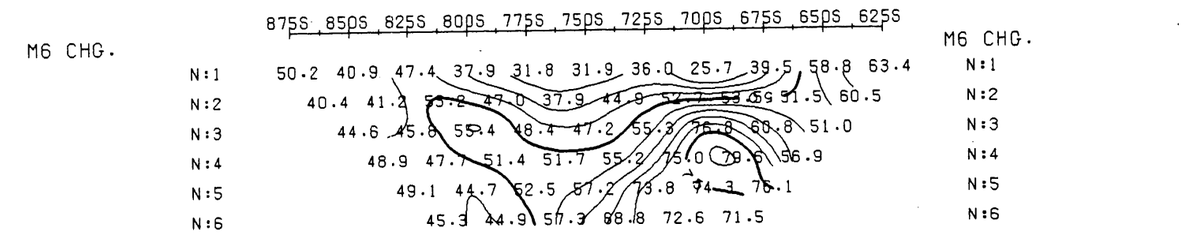
DATE : 07/09/94 | REF : 92 G/13

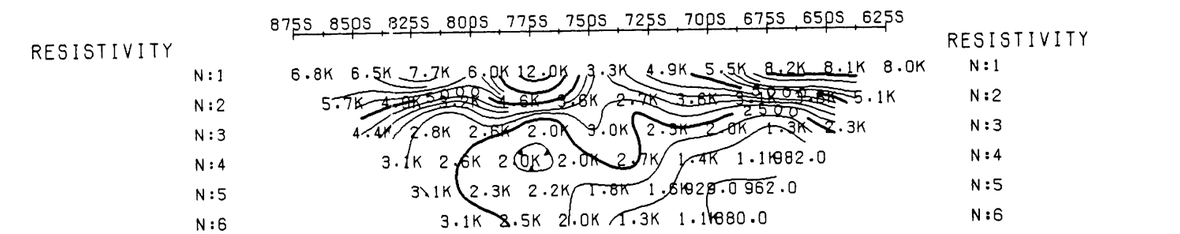
SCALE = 1: 2500

SJ GEOPHYSICS LTD.









APPENDIX II

SOIL SAMPLE DESCRIPTIONS

PAMICON DEVELOPMENTS LIMITED

Geochemical Data Sheet - SOIL SAMPLING

Sampler D MASON T C
Date AUG 29-30 94

Project JI
Property

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture	Drainage									
0+00	6+50S	30cm	B	RED BROWN	FINE	WELL	STEEP	LOW MODERATE	O/C 6+85						
	7+00S	30cm	B	RED BROWN	FINE		STEEP	LOW MODERATE							
1+00 N	6+50 S	20cm	B/C	LIGHT BROWN	FINE		15-20°	MODERATE	SUB ANGULAR ROCKS						
	7+00S	40cm	B	LIGHT BROWN	FINE		10-15°	MODERATE	ANGULAR ROCKS CLOSE TO BEDROCK						
5+00 N	6+50S	30	B	LIGHT BROWN	COARSE		10°+	HIGH	ROUND ROCKS WITHIN						
	7+00S	30	A/B	GREY BROWN	FINE		40°+	HIGH	O/C 6+90 EXT 20 M S.						
6+00 N	6+50S	40	B	DK BROWN	COARSE		20-30°	HIGH							
	7+00S	30	B	RED BROWN	COARSE		20-30°	MOD-HIGH	ROUND ROCKS WITHIN						
	7+50S	40	B	DK BROWN	COARSE		20-30°	MOD-HIGH							
	8+00S	60	B	DK BROWN	COARSE			MOD-HIGH	LARGE ANGULAR ROCKS O/C 7+75-8+05S						
	8+50S	50	A/B	DK BROWN	COARSE			HIGH							
7+00 W	6+50S	30	B	LT BROWN	FINE		30-45°	LOW	O/C 6+15 -> 6+50S						
	7+00S	20	B/C	LT BROWN	FINE			MOD/HIGH	SAMPLED ON O/C 6+80 -> 7+00S						
	7+50S	30	B	RED BROWN	FINE			MODERATE	ROUNDED ROCKS						
	8+00S	30	B	LT BROWN	COARSE			LOW	SUB ANGULAR ROCKS WITHIN						
	8+50S	30	B	LT BROWN	FINE			LOW	SUB ANGULAR STONES						
7+50 N	6+00S	30	B	LT BROWN	COARSE		20°	LOW	SUB ANGULAR ROCKS WITHIN						
8+00	1+00S	40	B	RED BROWN	FINE		20°	HIGH	ANGULAR ROCKS						
	1+50S	40	B	RED BROWN	FINE		30-40°	MODERATE	LARGE ANGULAR ROCKS.						

PAMIC DEVELOPMENTS LIMITED

Geochemical Data S .. - SOIL SAMPLING

Sampler D. MASON T.
Date AUG 30/94

Project JI
Property

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS
				Colour	Texture	Drainage				
8+00W	2+00S	ROCK							(ROCK SAMPLES) - NO SOIL TAKEN	} BLUFF APPARENTLY
	2+50S	MASSIVE		BLUFF ±	30-40 M.				AS BOULDER FIELD STARTED AT	} EXTENDS W FROM
	3+00S	ROCK							(ROCK SAMPLE) 1+75 -> 3+00	} 2 LINE 7.
	3+50S	25	B	DK BROWN	FINE		25-30°	HIGH	LARGE ANGULAR ROCKS.	
	4+00S	10	B	LT BROWN	COARSE		25-30°	HIGH		
	4+50S	20	B	RED BROWN	COARSE		20-25°	MOD	ROUND ROCKS WITHIN	
	5+00S	30	B	LT BROWN	COARSE			MOD.	ROUND ROCKS	
	5+50S	30	B	RED BROWN	COARSE		30°	MOD	ANGULAR ROCKS.	
	6+00S	25	B.	LT BROWN	FINE		30-40°	LOW	O/C 5+75S -> 6+00S	
	6+50	ROCK	NO	SOIL			40°+		O/C FROM 6+00S ROCK SAMPLE TAKEN.	
	7+00	30	4/B	RED BROWN	FINE			MODERATE	~~ROCK~~	
	7+50		NO	SOIL				ROCK	O/C 7+30 -> 7+60 ROCK SAMPLE	
	8+00	30	B	LT BROWN	COARSE			MODERATE	~~ROCK~~	
	8+50	30	B	RED BROWN	COARSE			LOW	O/C 7+25 -> 7+60	
	9+00	30	B	DK BROWN	COARSE			HIGH		

PAMICON DEVELOPMENTS LIMITED

Geochemical Data Sheet - SOIL SAMPLING

Sampler D. MASON
Date AUG 31 94

Project JI
Property JI

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture	Drainage									
S+SDN	1+00 S	40	B	RED/BROWN	LOAMY		35°	MOD	SUB ANGULAR ROCKS PRESENT.						
S+00N	1+00 S	30	B	ORG/BROWN	SANDY		40°	LOW	DK BROWN TOPSOIL & ANGULAR ROCKS						
	1+50	40	B	ORANGE BROWN	SANDY		40°	LOW	LG ANGULAR ROCKS						
	2+00	20	B	ORANGE BROWN	SANDY		40°	LOW	LG ANGULAR ROCKS						
	2+50		NO	SOIL	ROCK	SAME			BOULDER FIELD UNDER TOPSOIL						
	3+00	30	B	RED BROWN	SANDY		40°	HIGH	SM → LG ANGULAR ROCKS						
	3+50	20	B	RED BROWN	SANDY		40°	LOW	OUTCROP AT 3+35 EXTENDING						
									APPROX. 20-30M EAST						
	~~4+00~~	~~30~~	B	RED BROWN	SANDY		10-15°	MOD							
	4+50	90	A	DK BROWN	TOPSOIL		40°	MOD	LG GRANITE BOULDERS NEARBY.						
	5+00	30	A/B	DK BROWN	TOPSOILY		~~30~~ 40	HIGH	LG SUBROUND ROCKS						
	5+50	30	B	LT BROWN	SILTY		50-60°	MOD	SM-LG ANGULAR ROCKS						
	6+00	30	B	RED BROWN	SOILY		50-60°	MOD	SM-LG ANGULAR ROCKS PRESENT						
	6+50	NO		SOIL		ROCK	SAME		LG OUTCROP EXT FROM 6+00						
						(6+25)			→6+00 HIGH ANG 70-80°						
									EXTENDS 30M EAST 20M N						
	7+00	20	B	RED BROWN	SANDY		40°	LOW	SM-LG ANGULAR ROCKS PRESENT						
	7+50	50	A/B	DK BROWN	TOPSOIL		40°	HIGH	TOPSOIL UNDER LG ANGULAR ROCKS						

PAMICO DEVELOPMENTS LIMITED

Geochemical Data Sh · SOIL SAMPLING

Sampler D. MASON
Date AUG 31/94

Project JI
Property JI

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture	Drainage									
9+50 N	5+00 S	NO		SOIL	(ROCK SHARE)				OUT CROP (LEDGES ?)						
	4+50 S	20	B/C	LIGHT BROWN	SANDY		20°	HIGH	TAKEN NEAR UPROOTED TREE						
	4+00 S	30	B/C	VF BROWN	VF SOIL		30-40°	HIGH							
	3+50 S	20	B	LT BROWN	GRAVELY		20°	MOD.	5% ANGULAR ROCKS 20%						
7+50 W	2+00 S	30	B	RED BROWN	SILTY		30°	HIGH	1/2 ANGULAR ROCKS O/C 9+45						
									TRENDING NW = 50 M.						
10+00 W	2+00 S	20	B	ORANGE BROWN	GRAVELY		40°	HIGH	5% - 1/2 ANGULAR ROCKS						
	2+50 S	20	B	GREY BROWN	SILTY		30°	HIGH	5% ANGULAR ROCKS O/C 2+75						
	3+00 S	NO		SOIL	ROCK SHARE				-> 2+75 TRENDING NW						
	3+00 S	NO		SOIL	(ROCK SHARE)				1/2 ANGULAR ROCKS						
	3+50 S	20	B	ORANGE BROWN	GRAVELY		40°	LOW	5% ANGULAR ROCKS						
	4+00 S	20	B	ORG BROWN	GRAVELY		40°	LOW	1/2 ANGULAR ROCKS O/C AT 4+05						
	4+50 S	30	B	LT BROWN	GRAVELY		40°	LOW	5% ANGULAR ROCKS						
	5+00 S	20	B	LT BROWN	SILTY		40°	LOW	ANGULAR ROCKS O/C @ 4+70 AND 5+10.						
	5+50 S	20	B	RED BROWN	GRAVELY		40°	LOW	O/C OUTCROPS 5+65 TRENDS NW						
	6+00	NO		SOIL	(ROCK SHARE)				6+00 CROSS CREEK RUNS NW O/C.						
	6+50	30	B	RED BROWN	SILTY		50°	LOW	ANGULAR ROCKS O/C @ 6+75						
	7+00	30	B	RED BROWN	SILTY		50°	LOW	O/C @ 6+75						
	7+50	NO		SOIL	ROCK SHARE		90°		NO SAMPLE O/C 7+25 - 7+50						
	8+00	NO		SOIL			70°		ROCK SHARE						

PAMICO DEVELOPMENTS LIMITED

Geochemical Data Sh - SOIL SAMPLING

Sampler DAWSON S/LINK. Project JJ NTS

Date SEPT 1/2 '94 Property Location Ref

Air Photo No

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture	Drainage									
10400W	8+50S	NO	SOIL		(ROCK)		80°		O/C STRS TREND NW O/C 8+50 → 8+65						
	8+00S	NO	SOIL		(ROCK)				SAMPLE TAKEN 8+25S VISIBLE QTZ						
	9+50S	40	A/B	LIGHT BROWN	SILTY		60°	MOD	O/C @ 9+47S SAMPLE TAKEN 9+45S						
	10+00S	10	B	LT BROWN	SANDY		40°	LOW	SML ANGULAR ROCKS						
	10+50S	20	B	LIGHT BROWN	GRAVELLY		30°	MOD	SIL → LG ANGULAR ROCKS.						
10+50W	3+00S	30	B	LIGHT BROWN	SILTY.		20°	MOD	GRID LINE OFFSET 25 M						
11+00	3+00	NO	SOIL		SAMPLE				S @ 10+50 NO SAMPLE @ 11+00W 3+00S						
11+00	3+50	40	B	DK BROWN	SILTY		20°	MOD	O/C 10+75W 3+25S + 11+00W 3+50S						
	4+00	20	B	LT BROWN	SILTY		60°	LOW	SMALL ANGULAR ROCKS PRESENT						
	4+50	30	B	LIGHT BROWN	SILTY		60°	MOD	LG ANGULAR ROCKS PRESENT						
	5+00	20	B	LT BROWN	SILTY		60°	MOD	ANGULAR ROCKS PRESENT						
	5+50	NO	SOIL		(ROCK TAKEN)				O/C @ 5+35 → 6+25						
	6+00		NO	SAMPLE					SAME O/C.						
	6+50	40	B	LT BROWN	GRAVELLY		60°	LOW	SML-LG ANGULAR ROCKS O/C 6+50.						
	7+00	20	B	DK BROWN	GRAVELLY		60°	LOW	O/C 6+50-7+25 SAMPLE TAKEN 7+15						
	7+50	10	B	GREY	SILTY		65°	MOD	O/C @ 7+50 FROM PREVIOUS O/C						
	8+00	NO	SOIL		(ROCK TAKEN)				O/C CONTINUES FROM 7+50 → 8+25						
	8+50	NO	SOIL		(ROCK TAKEN)				SML O/C 8+50 VISIBLE QTZ VEINS						
	9+00	20	B	LT BROWN	SILTY		40°	MOD	SML-LG ANGULAR ROCKS						

PAMICON DEVELOPMENTS LIMITED

Geochemical Data S - SOIL SAMPLING

Sampler D. MASON / S. LINK
Date SEPT 2/94.

Project SI
Property

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture	Drainage									
11200N	9450S	20	B	RED BROWN	SANDY		30°	MOD.	ANGULAR ROCKS O/C 9450→9400						
	10400S	20	B	LT BROWN	GRAVELLY		50°	MOD.	SML ANGULAR ROCKS O/C 5M WEST.						
	10450S	20	B	DK BROWN	GRAVELLY		50°	MOD	SML ANGULAR ROCKS						
	11400S	20	B	RED BROWN	GRAVELLY		50°	MOD.	SML ANGULAR ROCKS						
11450W	4400S	40	B	GREY BROWN	GRAVELLY		60°	MOD	ANGULAR ROCKS PRESENT.						
12400W	4450S	20	B	DK BROWN	GRAVELLY		60°	HIGH	LG ANGULAR ROCKS						
	3400S	20	B	GREY BROWN	GRAVELLY		60°	HIGH	LG ANGULAR ROCKS						
	3450S	NO SOIL			ROCK SAMPLE				TOP SOIL OVER TRUE SLOPE						
	6400S		ROCKS		SAMPLE				O/C @ 5+55S RUNS						
									APPROX 100M UNTIL REACHES						
									LG VERTICAL BLUFF TOWARD						
									END OF LINE.						

Printed in Canada

SOIL

Geochemical Data ~~ROCK~~ SAMPLING

Sampler SCOTT MACDONALD
Date OCT '94

Project
Property JI

NTS
Location Ref
Air Photo No

SAMPLE NO.	~~LOCATION~~ DEPTH	~~SAMPLE TYPE~~ COLOR	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS		ASSAYS
				~~Rock Type~~	~~Alteration~~	~~Mineralization~~			
LINE 4+50W	DEPTH	COLOR		HORIZON	SAND/SILT	CLAY/FINE	ROCKY/PEBBLY	ORGANIC	
6+50S	50cm	BROWN		B		FINE			
6+00	50cm	BROWN		B			PEBBLY		
5+50	40cm	BROWN		C		FINE			
5+00	30cm	DARK BR.		A		FINE		OR.	
4+50	80cm	LIGHT BROWN TO ORANGE		C			PEBBLY.		
4+25	60cm	BROWN		B		FINE			
4+00	60cm	LIGHT TO DARK BROWN		B		FINE			
3+75	50cm	GRAY		B		CLAY			
3+50	50cm	GRAY		B		CLAY			
3+25	60cm	DARK BROWN		B		FINE		OR.	
* 3+00	75cm	GRAY TO LIGHT BR.		B/C	SILTY.	FINE			
* TOP OF BLUFF									

FORM 52-CAN

Geochemical Data - ~~ROCK~~ SOIL SAMPLING

Sampler SCOTT MACDOUGALL
Date OCT / 99

Project
Property JI

NTS
Location Ref
Air Photo No

SAMPLE NO.	~~LOCATION~~	~~SAMPLE TYPE~~	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS		ASSAYS
				~~Rock Type~~	~~Alteration~~	~~Mineralization~~			
LINE 5+50W	DEPTH	COLOR		HORIZON	SAND/SILT	CLAY/FINE	ROCKY/PEBBLY	ORGANIC	
8+00S	50CM	LIGHT BROWN		B		FINE			
7+50	50 CM	BROWN		B	SILTY	FINE			
7+00	60 CM	LIGHT BROWN		B/C	SAND				
6+50	50CM	DARK BROWN		A/B				OR.	
6+00	50CM	LIGHT BROWN		B			PEBBLY		
5+50	50CM	DARK BROWN		A				ORGANIC	
5+00	45CM	BROWN		B	SILT	FINE			
4+50	40 CM	GRAY		B		CLAY			
4+00	30 CM	DARK BROWN		A		FINE		ORGANIC	

Geochemical Data & ~~ROCK~~ SOIL SAMPLING

Sampler SCOTT MACDUGALL
Date OCT / 94

Project
Property JI

NTS
Location Ref
Air Photo No

SAMPLE NO.	~~LOCATION~~	~~SAMPLE TYPE~~	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS			ASSAYS						
				~~Rock Type~~	~~Alteration~~	~~Mineralization~~										
LINE 6+50W	DEPTH	COLOR		HORIZON	SAND/SILT	CLAY/FINE	ROCKY/PEBBLY	ORGANIC								
7+50S	60CM	LIGHT BROWN		C			PEBBLY									
7+00S	70CM	BROWN		B												
6+50S	40CM	BROWN		B	SILTY											
6+00S	50CM	LIGHT BROWN		B												
5+50S	60CM	DARK BR.		B				ORGANIC								
5+00S	60CM	DARK BR.		B				ORGANIC								

PRINTED IN CANADA

SOIL

Geochemical Data - ~~ROCK~~ SAMPLING

Sampler G. MACDOUGALL
Date OCT /94
Project
Property JI

NTS
Location Ref
Air Photo No

SAMPLE NO.	~~LOCATION~~	~~SAMPLE TYPE~~	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS		ASSAYS
				~~Rock Type~~	~~Alteration~~	~~Mineralization~~			
LINE 7+50W	DEPTH	COLOR		HORIZON	SAND/SILT	CLAY/FINE	ROCKY/PEBBLY	ORGANIC	
8+00S	70CM	DARK. BR.		B					
7+50	80CM	DARK. BR.		B		FINE			
7+00	40CM	ORANGE. BR.		B			PEBBLY		
6+50	80 CM	ORANGE. BR.		C			PEBBLY.		
6+00	80CM	ORANGE. BR.		C	SAND				
5+50	100 CM	ORANGE BROWN		C	SAND &	TO	PEBBLY.		
5+00	40CM	OR. BROWN		B			ROCKY		
4+75	60CM	DARK. BR.		A				ORGANIC	
4+50	50CM	ORANGE BR.		B			PEBBLY		
4+25	70CM	ORANGE BROWN.		B/C	SAND	FINE			
4+00	60CM	DARK. BR.		A				ORGANIC	
3+75	70CM	DARK. BR.		B				ORGANIC	
3+50	50CM	DARK. BR.		B					
3+25	70CM	LIGHT. BR.		B	SAND.				
3+00	60CM	DARK. BR.		B				ORGANIC.	

SOIL

Geochemical Data - ~~ROCK~~ SAMPLING

Sampler SCOTT MACDONALD
Date OCT 1/94.

Project
Property JI

NTS
Location Ref
Air Photo No

SAMPLE NO. LINE 3+50W	~~LOCATION~~	~~SAMPLE TYPE~~	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS		ASSAYS
				~~Rock Type~~	~~Alteration~~	~~Mineralization~~			
LINE 3+50W	DEPTH	COLOR		HORIZON	SAND/SILT	CLAY/FINE	ROOT/FIBRE	ORGANIC	
400S	50CM	LIGHT BR.		B		FINE			
3+50S	70CM	DARK. BR.		B				ORGANIC	
3+00S	70CM	LIGHT. BR.		B		FINE			
2+50S	80CM	LIGHT. BR.		B		FINE			
2+00S	50CM	DARK. BR.		B		FINE		ORGANIC	
BASE OF BLUFF									

PRINTED IN CANADA

Geochemical Data - ROCK SAMPLING

Sampler S.LINK
Date OCT 26/94.

Project
Property JI

NTS
Location Ref
Air Photo No

GRID SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION Rock Type	Alteration	Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS
8+50W	9+25S	B	DK	Red/BROWN	30°		LINE 8+00W RUNS 25m TO THE EAST FROM 8+50W	
"	9+00S	B		LT BROWN	15°			
"	8+75S	ORGANIC			15°		OUTCROP 10'	
"	8+50S	B		Red/BROWN	15°			
"	8+25S	B		LT /BROWN	65°		OUTCROP 30'	
"	8+00S	B		GREY / BROWN	10°		HIGH ORGANIC / SML OUTCROP	
"	7+75S	ROCK			85°		LG OUT CROP 40'-30'	
"	7+50S	B		Red/BROWN	40°		LINE 8+00W STILL 25m EAST	
"	7+25S	ORGANIC			75°		LG OUT CROP 40'-50'	
"	7+00S	B		LT BROWN	20°		SML OUTCROP TO WEST	
"	6+50S	B		"	70°		OUTCROP 20'-30'	
"	6+00S	B		Red/BROWN	40°		L8+50W 6+00S IS APPROX	
"	5+75S	B		LT BROWN	30-40°		15m WEST OF 5+75S	
"	5+50S	B		Red/BROWN	40°			
"	5+25S	B		"	30°			
"	5+00S	B	DK	Red/BROWN	15°		SECTION FROM 5+00S TO 4+75S HAS LOTS OF LG DEADFALL	
"	4+75S	ORGANIC			10°		DEADFALL	
"	4+50S	ORGANIC			5°			
"	4+25S	B		LT /BROWN	5°		"	
"	4+00S	B		RED BROWN	5°			

L8+50W 6+0
15m
L8+50W 5+75S 15m

Geochemical Data S[illegible] - ROCK SAMPLING

Sampler S. LINK
Date OCT 26/94

Project JWF
Property JI

NTS
Location Ref
Air Photo No

GRID SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION: Rock Type (COLOR)	DESCRIPTION: Alteration (SLOPE)	DESCRIPTION: Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS
9+50W	10+00S	B		LT BROWN	40°			
"	9+50S	B		"	45°		OUT CROP TO WEST	
"	9+00S	B		DK BROWN	10°			
"	8+50S	B		"	25°			
"	8+00S	B		LT BROWN	35°			
"	7+75S	B		DK BROWN	35°		CLAY LIKE SOIL	
"	7+50S	B		LT BROWN	15°			
"	7+25S	B		"	60°		20' OUTCROP	
"	7+00S	B		"	50°			
"	6+75S	B		"	45°			
"	6+50S	B		RED/BROWN	"			
"	6+25S	B	DK	"	30°			
"	5+75S	B		RED/BROWN	30°			
"	5+25S	ROCK		"	60°		SMALL OUTCROP 10'	
8+50W	3+75S	ORGANIC			10-15°			

PRINTED IN CANADA

APPENDIX III

ROCK SAMPLE DESCRIPTIONS

PAMICON DEVELOPMENTS LIMITED

Geochemical Data S[illegible] - ROCK SAMPLING

Sampler A. WILKINS
Date SEPTEMBER 7, 1994

Project [illegible]
Property JI

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	Mo
54063	8+40W 6+20S	GRAB		FELSITE DIKE (DAC. PORP.)		5% DISS PY	FRACTURES 172/18W, 305/85NE	<5	0.5	258	7	42	68
54064	8+15W 6+15S	"		"	BOSSANED FRACTURES	"		<5	0.4	87	5	64	5
54065	8+00W 5+80S	"		ANDESITIC TUFF		5% FINE DISS PY	FRACTURES 191/30W, 079/73S	<5	0.4	235	7	137	22
54066	L10+00W 6+75S	"		FELSITE - ANDESITE DIKE		2% DISS + FRACTURE PY TR FRACTURE MO	CHLORITE CLOTS. MO CLOTS IN ONE FRACTURE. FRACTURES 200/85W	<5	0.2	110	6	33	86
54067	10+05W 6+75S	"		"	STONG LIM+ JAROSITE	5-10% DISS PY CUBES	FRACTURES 170/46W, 300/63NE	<5	0.3	181	5	27	5
54068	L10+00W 8+50S	"		FELSITE FLOW	[illegible]	2-5% DISS+ FRACTURE PY	STRONG GOSSAN.	<5	1.0	168	9	22	27
54069	10+10W 8+05S	"		"	QTZ IN FRACTURES	2-5% DISS+ FRACTURE PY 1/2% FRACTURE MO	STRONG GOSSAN.	<5	0.6	49	13	9	338

PAMICON DEVELOPMENTS LIMITED

Geochemical Data Sheet - ROCK SAMPLING

NTS _____

Sampler A. WILKINS Project _____ Location Ref _____

Date OCTOBER 24, 25/94 Property JI Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	Mo
54251	5+08W 6+94S	GRAB		AND. TUFF	EP CLOTS + VNLTS, QTZ VNLTS	10% FINE DISS PY	WELL FOLIATED + FRACTURED. FRACTURES 085/80. STRONGLY GOSSANOUS	<5	0.2	18	6	21	4
54252	5+04W 6+93S	"		"	QTZ+EP VNS ≤10 CM. MMS	≤10% MAG CLOTS, 5% DISS PY	FOLIATION 317/85. FRACTURE 085/80	<5	1.8	274	27	98	6
54253	4+45W 5+88S	"		INTERBEDDED ARGILLITE + TUFF	EP + CHL IN VNS	PY, MAG, HEM	IRREGULAR POD FSP PORPHYRY. SKARN TYPE ALTN. FRACTURE CONTROLLING MINERALIZATION 045/30°	<5	11.3	334	1166	281	4
54254	5+15W 7+20S	"		ANDESITIC TUFF	EP	2% MAG, MASSIVE + BLEBS	SPEC HEM ~30%, 1-10% PY, EP + MAG W/ MINOR QTZ VN. VN @ 092/68 FOLIATION 135/85.	<5	1.2	95	71	29	7
54255	4+45W 4+05S	"		"	CHL, EP	20% MED-GRAINED DISS	PY.	<5	0.3	107	7	48	7

PRINTED IN CANADA

Geochemical Data - ROCK SAMPLING

Sampler SCHAITEN
Date SEPT 3, 14/1994

Project
Property JI

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	Mo
54210	~ 2+90W 2+00S	GRAB		META-SEDIMENT	WK PATCHY EP QZ VNS/VNLTS	1-3% DISS + STRINGER PY SPEC. HEM	BEDDING 120°	<5	0.3	65	3	66	3
54215	~15m ABOVE SHORE, ~2KM	"		ANDESITIC TUFF	STRONG LIM	3-5% DISS + FRACTURE PY		<5	<0.2	40	<2	46	5
	NW OF SAMAREZ BLUFF												
54216	AS 54215	GRAB		[redacted] SHEAR @ FELSITE/ ANDESITE CONTACT	STRONG LIM	3-5% DISS + FRACTURE PY	SHEAR ~ 2M WIDE, 154/71E	<5	0.4	83	<2	35	5

Geochemical Data - ROCK SAMPLING

Sampler SCHATTEN
Date OCT 25, 1994
Project
Property JI
NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	Mo
54235	9+55W ~9+70S	GRAB		POR FELSITE (DACITE DIKE)	STRONG LIM, LOCALLY BLEACHED	5-10% DISS + CLOTS OF PY	CRYSTALS ALTERED FRACTURED	<5	0.3	118	5	25	15
54236	9+60W ~7+85S	"		F.G DIORITE	STRONG LIM	10% FINELY DISS & STRINGER PY, 5% DISS MGT	DENSELY PACKED XLS, ALMOST EQUIGRANULAR. XLS ALT'D. FRACTURES 180/50W	<5	2.5	1668	170	219	35
54237	~8+75W 7+85S	"		ANDESITIC TUFF	QZ FLOODING, SILICEOUS	5% FINELY DISS + STRINGER PY	WEAKLY MAGNETIC	<5	0.5	188	6	40	5
54238	9+90W 7+25S	"		FSP PORPHYRY		3-5% DISS PY	DARK GREY MATRIX, PLAG PHENOCRYSTS; ALT'D ADJACENT TO FELSITE DIKE. STRONGLY MAGNETIC, QZ VNS 180/10°W, FRACTURES 159/40°W	<5	0.4	215	11	90	17
54239	9+60W 7+85S	"		F.G DIORITE	XLS ALT'D	1-2% DISS PY, MGT	STRONGLY ALT'D F.G. DIORITE (?) IN PLACES LOOK EQUIGRANULAR, FINE TO MEDIUM GRAINED, SPECKLED GREY + WH	<5	0.2	193	10	57	9
54240	9+60W 7+85S	"		"		5% DISS PY, STRONG MGT	"	<5	0.2	190	11	78	4
54241	7+45W 5+00S	"		ANDESITE TUFF	STRONGLY SILICEOUS	1-2% FINELY DISS + STRINGER PY, MAGNETIC	POCKETS	<5	0.3	162	4	48	4
		"											

PAMICO DEVELOPMENTS LIMITED

Geochemical Data S[illegible] - ROCK SAMPLING

NTS _____

Sampler R. FALLS Project _____ Location Ref _____

Date SEPT. 1994 Property J.L. Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	Mo
54051	805, [illegible]W	GRAB	10cm / 10m	Rhyolite		1-3% Py	Pyrite Dissem. [illegible] in Veinlets	53	1.2	38	10	109	3
54052	2255, 500W	Grab	10cm / 2m	Feldspar-Porphyry	m CL. W EP.	3% Py	Dissem Py	7	0.4	15	78	44	3
54053		Grab	10cm / 5m	Andesitic Tuff		5% Py	Bedding 127/86 SW Stratiform Py	<5	0.4	103	5	99	6
54054	675S, 600W	Grab	10cm / 5m	Diorite	m CL.	5-10% Py	Dissem + Veinlets of Py	<5	0.6	336	3	108	4
54055	775S, 600W	Grab	10cm / 1m	Diorite	m CL.	10-15% Py	Dissem + Veinlets of Py	19	0.5	37	<2	59	17
54056	185S, 600W	Grab	10cm / 10m	Rhyolite		1-3% Py	Py Dissem + fracture fillings	<5	0.2	67	10	31	5
54057	195S, 600W	Grab	10cm / 3m	Andesitic Tuff	m CL.	1-5% Py	Py Dissem + fracture filling	<5	0.3	56	<2	44	3
54058	675S, 800W	Grab	10cm / 3m	Diorite	m. SI.	2-3% Py	Py Dissem + fracture filling	15	0.3	370	7	77	12
54059	875S, 800W	Grab	10cm / 2m	Andesitic Tuff	m SI	1% Py	At contact with Diorite	<5	0.5	108	2	43	6
54060	740S, 800W	Grab	10cm / 1cm	Qtz Vein in Diorite	w. CL.	1% Py <1% Mo	1cm qtz vn 140/52 NE	<5	0.3	324	5	42	109
54061	650S, 800W	Grab	10cm / 1cm	Qtz Vein in Porphyry		1% Py	1cm qtz vn 170/75 W	17	1.2	612	3	53	49
54070	320S, 1115W	GRAB	10cm / 2cm	Andesitic Tuff		1% Py	2cm Qtz vn 164/85	<5	0.5	30	4	49	14
54071	625S, 1000W	Grab	10cm / 3cm	Qtz Vein in Porphyry		<1% Py	3cm qtz vn 053/52 NW	<5	0.3	38	10	11	11
54072	300S, 1100W	GRAB	[illegible] / >50m	[illegible]	MOD. [illegible]	5% Py	Py [illegible] Sulfides	<5	<0.2	27	3	24	3

PRINTED IN CANADA

PAMICON DEVELOPMENTS LIMITED

Geochemical Data Sheet - ROCK SAMPLING

Sampler SOIL SAMPLERS Project J.I. NTS

Date SEPT 1994 Property J.I. Location Ref

Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	Mo
7+50S L9+00W				Felsite		1% Py	Siliceous Volcanics w dissem Py	<5	<0.2	39	4	32	7
6+50S L9+00W				Felsite		1% Py	Dissem Py	<5	0.5	449	5	68	6
8+00S L9+00W				Feldspar Porphyry		1% Py	Dissem Py	<5	0.3	141	11	48	5
6+00S L12+00W				Quartz Monzonite	w. CL	0.5% Py	Dissem Py	<5	0.2	52	2	47	7
5+50S L12+00W				Andesitic Tuff	m. CL	1% Py	Dissem Py	<5	0.5	132	2	95	20
4+00S 11+50W				Granodiorite	w. CB	tr. Py	Dissem Py	<5	0.3	41	4	49	8
8+00S L 10+00W				Felsite			Rusty, but no sulphides observed	<5	0.4	78	18	54	5
5+50S L 11+00W				Felsite		0.5-1% Py	Dissem. Py	<5	<0.2	38	20	27	26
9+00S L 10+00W				Intermediate Volcanics		1% Py	Dissem. Py	<5	<0.2	37	2	37	30
6+00S L10+00W				Feldspar Porphyry		tr. Py	Dissem. Py	<5	<0.2	20	<2	28	7
3+00S L10+00W				Diorite			Rusty, but no sulphides observed	<5	0.2	36	4	60	3
8+50S L10+00W				Felsite			Rusty, but no sulphides observed	<5	1.2	193	4	50	47
8+50S L 11+00W				Feldspar Porphyry			No sulphides observed	<5	<0.2	38	4	62	8
8+00S L 11+00W				Feldspar Porphyry		0.5% Py	Dissem Py	<5	0.3	60	3	52	18

PRINTED IN CANADA

APPENDIX IV

ANALYTICAL PROCEDURES

Bondar Clegg
Inchcape Testing Services

Bondar-Clegg & Company Ltd.
150 Pemberton Avenue
North Vancouver, B.C.
V7P 2R5
Tel: (604) 985-0681
Fax: (604) 985-1071

Sample Preparation

Rock and Drill Core

1. All field material submitted was dried when required and reduced to -10 mesh using Jaw and Cone Crushers.

2. A 250 g representative split of the -10 mesh material was obtained using a Jones Riffle Splitter.

3. The representative split was pulverized to -150 mesh using a ring and puck pulverizer.

4. The pulverized material was homogenized, bagged and labelled.

Soil and Sediment Samples

1. All field material was dried at 60 °C.

2. The dried sample was screened for the -80 mesh particle fraction, unless an alternative fraction was requested.

3. The -80 mesh fraction was homogenized, bagged and labelled.

Au determination - Fire Assay Preconcentration finished by Atomic Absorption Spectroscopy

A thirty gram sample is weighed into a fire assay crucible. The fire assay preconcentration consists of a standard litharge fusion followed by cupellation of the lead button to obtain the precious metals concentrated into a tiny (about 3 mg) silver prill. Bondar-Clegg has adopted this technique as our primary method for the preconcentration of gold and other precious metals because of its proven track record and sensitivity. The silver prill is dissolved in aqua regia and the diluted solution is then aspirated into the AAS flame for measurement of the gold concentration.

The ICP procedure consists of taking a sample that has been put into an aqueous solution after an acid digestion and is aspirated into the plasma of the instrument for measurement of the concentration of the elements of interest. When the elements from the sample solution reach the high energy plasma, the intense heat of the plasma causes them to emit their characteristic wavelengths of light. The spectrometer isolates the light of the different elements and measures the amount of light at the specific wavelength for each element to be determined. This emission intensity is compared with that obtained from solutions of known element concentrations in order to calculate the concentrations of the elements in the sample.

The Hg was determined using a HNO3/HCl extraction-Cold Vapour, Flow Injection/Atomic Absorption, detection level of 0.010 ppm.

Major and Minor Oxides on Selected Samples

The following major and minor oxides were determined on selected samples using a lithium metaborate fusion, Inductively Coupled Plasma Emission measurement:

Element	Detection Level	Element	Detection Level
SiO_2	0.01%	Ai_2O_3	0.01%
Fe_2O_3	0.01%	CaO	0.01%
MgO	0.01%	K_2O	0.01%
Na_2O	0.01%	TiO_2	0.01%
P_2O_5	0.01%	MnO	0.01%
BaO	0.01%	Cr_2O_3	0.01%

0.1 g of sample material is fused at 1050 °C for 15 minutes. The molten "jelly" is then dissolved in a HNO_3 acid solution. The solution is diluted and the major and minor oxides are then measured using an ICP-Atomic Emission Spectrometer.

Loss on Ignition

Loss on ignition is performed at a temperature of 850 °C for 4 hours. A 1 g test sample weight is used and a detection level of 0.05 % is achieved. Other LOI temperatures and times are available on request. All weights are down-loaded electronically into the Bondar-Clegg computer data base. All LOI calculations are performed by the computer after data acquisition is complete.

Should you need additional information, please contact me at (604) 985-0681.

Sincerely,

Rick McCaffrey
Manager, Geochem Department

APPENDIX V

ANALYTICAL RESULTS

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 7-NOV-94

REPORT: V94-01232.0 (COMPLETE) PROJECT: JI PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	SAMPLE NUMBER	ELEMENT UNITS	Cu PPM
S1 L3+50W 2+00S		101	S1 L7+50W 5+50S		329
S1 L3+50W 2+50S		574	S1 L7+50W 6+00S		180
S1 L3+50W 3+00S		268	S1 L7+50W 6+50S		199
S1 L3+50W 3+50S		28	S1 L7+50W 7+00S		133
S1 L3+50W 4+00S		730	S1 L7+50W 7+50S		52
S1 L4+50W 3+00S		5	S1 L7+50W 8+00S		9
S1 L4+50W 3+25S		29	S1 L8+50W 3+75S		13
S1 L4+50W 3+50S		7	S1 L8+50W 4+00S		25
S1 L4+50W 3+75S		3	S1 L8+50W 4+25S		87
S1 L4+50W 4+00S		154	S1 L8+50W 4+50S		683
S1 L4+50W 4+25S		275	S1 L8+50W 4+75S		23
S1 L4+50W 4+50S		93	S1 L8+50W 5+00S		420
S1 L4+50W 5+00S		16	S1 L8+50W 5+25S		512
S1 L4+50W 5+50S		149	S1 L8+50W 5+50S		355
S1 L4+50W 6+00S		13	S1 L8+50W 5+75S		403
S1 L4+50W 6+50S		786	S1 L8+50W 6+00S		196
S1 L5+50W 4+00S		38	S1 L8+50W 6+50S		336
S1 L5+50W 4+50S		13	S1 L8+50W 7+00S		1070
S1 L5+50W 5+00S		12	S1 L8+50W 7+25S		118
S1 L5+50W 5+50S		8	S1 L8+50W 7+50S		324
S1 L5+50W 6+00S		25	S1 L8+50W 8+00S		89
S1 L5+50W 6+50S		4	S1 L8+50W 8+25S		695
S1 L5+50W 7+00S		20	S1 L8+50W 8+50S		467
S1 L5+50W 7+50S		93	S1 L8+50W 8+75S		12
S1 L5+50W 8+00S		206	S1 L8+50W 9+00S		136
S1 L6+50W 5+00S		13	S1 L8+50W 9+25S		300
S1 L6+50W 5+50S		354	S1 L9+50W 5+75S		131
S1 L6+50W 6+00S		292	S1 L9+50W 6+25S		112
S1 L6+50W 6+50S		30	S1 L9+50W 6+50S		603
S1 L6+50W 7+00S		55	S1 L9+50W 6+75S		354
S1 L6+50W 7+50S		73	S1 L9+50W 7+00S		363
S1 L7+50W 3+00S		17	S1 L9+50W 7+25S		183
S1 L7+50W 3+25S		111	S1 L9+50W 7+50S		334
S1 L7+50W 3+50S		100	S1 L9+50W 7+75S		690
S1 L7+50W 3+75S		353	S1 L9+50W 8+00S		407
S1 L7+50W 4+00S		23	S1 L9+50W 8+50S		267
S1 L7+50W 4+25S		16	S1 L9+50W 9+00S		445
S1 L7+50W 4+50S		140	S1 L9+50W 9+50S		366
S1 L7+50W 4+75S		12	S1 L9+50W 10+00S		138
S1 L7+50W 5+00S		158	R2 L8+50W 7+75S		80

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical
Lab
Report

DATE PRINTED: 7-NOV-94

REPORT: V94-01232.0 (COMPLETE) PROJECT: JI PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	SAMPLE NUMBER	ELEMENT UNITS	Cu PPM
R2 L9+50W 5+25S		126			

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 29-SEP-94

REPORT: V94-01074.0 (COMPLETE) PROJECT: JI PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Bi PPM	Hg PPM	Ba PPM
S1 L7+00W 7+50S		<5	0.3	50	9	45	5	<5	<5	<5	0.096	33
S1 L8+50W 1+00S		<5	0.3	99	8	58	7	<5	<5	<5	0.146	33
S1 L9+00W 1+00S		<5	0.5	81	8	60	10	<5	<5	<5	0.138	40
S1 L9+00W 1+50S		<5	0.6	139	9	73	7	<5	<5	<5	0.101	72
S1 L9+00W 2+00S		<5	0.6	108	5	54	13	<5	<5	9	0.211	39
S1 L9+00W 3+00S		<5	0.9	880	14	65	10	8	<5	<5	0.203	31
S1 L9+00W 3+50S		<5	0.6	115	6	66	15	<5	<5	7	0.141	34
S1 L9+00W 4+00S		<5	0.7	345	11	58	13	5	<5	<5	0.141	34
S1 L9+00W 4+50S		IS	1.3	590	10	51	3	64	<5	<5	0.149	12
S1 L9+00W 5+00S		<5	0.5	12	12	43	2	<5	<5	<5	0.085	21
S1 L9+00W 5+50S		6	1.7	847	21	56	17	<5	<5	<5	0.283	30
S1 L9+00W 6+00S		<5	1.1	232	13	59	30	<5	<5	<5	0.105	48
S1 L9+00W 7+00S		<5	0.4	346	14	74	22	<5	<5	<5	0.083	24
S1 L9+00W 7+50S		IS	1.4	2973	64	80	374	<5	<5	7	0.256	48
S1 L9+00W 8+50S		<5	0.4	205	7	26	18	<5	<5	<5	0.042	24
S1 L9+00W 9+00S		IS	1.4	513	12	37	8	<5	<5	<5	0.115	18
S1 L9+00W 9+50S		<5	0.4	41	9	50	7	<5	<5	<5	0.104	39
S1 L9+50W 2+00S		IS	0.4	72	10	75	14	<5	<5	<5	0.183	95
S1 L10+00W 2+00S		11	0.5	125	9	75	17	<5	<5	5	0.156	82
S1 L10+00W 2+50S		<5	0.3	42	5	45	13	<5	<5	5	0.071	60
S1 L10+00W 3+50S		<5	0.6	53	8	64	8	<5	<5	6	0.162	39
S1 L10+00W 4+00S		<5	0.3	61	11	48	6	<5	<5	<5	0.092	37
S1 L10+00W 4+50S		<5	0.4	146	5	67	6	<5	<5	<5	0.078	40
S1 L10+00W 5+00S		<5	0.3	31	10	43	8	<5	<5	<5	0.035	21
S1 L10+00W 5+50S		<5	0.6	326	22	82	27	<5	<5	5	0.043	58
S1 L10+00W 6+50S		<5	0.9	451	11	48	58	<5	<5	8	0.036	73
S1 L10+00W 7+00S		<5	0.6	179	7	59	30	<5	<5	<5	<0.010	60
S1 L10+00W 9+50S		<5	0.8	342	15	44	19	<5	<5	<5	<0.010	45
S1 L10+00W 10+00S		<5	0.3	136	12	45	10	<5	<5	<5	<0.010	35
S1 L10+00W 10+50S		<5	0.3	32	9	37	7	<5	<5	<5	0.017	30
S1 L10+50W 3+00S		<5	0.2	13	8	30	4	<5	<5	<5	0.033	12
S1 L11+00W 3+50S		15	0.3	32	10	52	6	<5	<5	<5	0.098	25
S1 L11+00W 4+00S		<5	0.3	70	9	44	7	<5	<5	<5	0.095	53
S1 L11+00W 4+50S		<5	0.3	78	11	37	4	<5	<5	<5	0.056	45
S1 L11+00W 5+00S		<5	1.0	497	16	64	24	9	<5	<5	0.158	35
S1 L11+00W 6+50S		<5	0.4	196	16	55	8	<5	<5	5	0.072	37
S1 L11+00W 7+00S		<5	0.6	153	12	32	14	<5	<5	<5	0.043	39
S1 L11+00W 7+50S		<5	0.5	37	6	25	10	<5	<5	<5	0.032	32
S1 L11+00W 9+00S		<5	1.3	277	9	46	15	<5	<5	<5	0.094	51
S1 L11+00W 9+50S		<5	0.2	53	11	39	7	6	<5	<5	0.052	33

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 29-SEP-94

REPORT: V94-01074.0 (COMPLETE) PROJECT: JI

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Bi PPM	Hg PPM	Ba PPM
S1 L11+00W 10+00S		<5	0.5	120	23	40	20	<5	<5	7	0.098	38
S1 L11+00W 10+50S		<5	0.5	43	17	47	8	15	6	7	0.130	27
S1 L11+00W 11+00S		<5	0.3	18	11	45	6	7	<5	8	0.021	56
S1 L12+00W 4+50S		<5	0.4	139	<2	57	11	<5	<5	<5	0.106	25
S1 L12+00W 5+50S		<5	0.7	228	5	61	22	<5	<5	<5	0.053	84

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 14-SEP-94

REPORT: V94-01033.0 (COMPLETE) PROJECT: JI

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Bi PPM	Hg PPM	Ba PPM
S1 JI 6+00W 6+50S		<5	0.3	326	8	52	9	5	<5	<5	0.133	38
S1 JI 6+00W 7+00S		<5	<0.2	58	4	54	5	<5	<5	<5	0.095	38
S1 JI 6+00W 7+50S		<5	0.2	77	9	43	5	<5	<5	<5	0.138	28
S1 JI 6+00W 8+00S		<5	0.4	554	12	54	13	11	<5	<5	0.223	34
S1 JI 6+00W 8+50S		<5	1.1	943	11	36	8	18	<5	<5	0.265	28
S1 JI 7+00W 6+50S		<5	<0.2	46	7	38	4	<5	<5	<5	0.038	35
S1 JI 7+00W 7+00S		<5	<0.2	49	9	40	8	<5	<5	<5	0.093	24
S1 JI 8+00W 1+50S		<5	0.4	140	5	54	11	<5	<5	6	0.147	37
S1 JI 8+00W 3+50S		<5	0.2	98	7	33	6	<5	<5	<5	0.143	22
S1 JI 8+00W 4+00S		<5	0.7	802	13	42	13	9	<5	<5	0.302	29
S1 JI 8+00W 4+50S		<5	0.4	570	9	65	23	<5	<5	<5	0.131	36
S1 JI 8+00W 5+00S		<5	0.4	46	7	37	5	<5	<5	<5	0.104	38
S1 JI 8+00W 5+50S		24	0.9	330	25	76	26	<5	<5	<5	0.101	39
S1 JI 8+00W 6+00S		<5	0.4	184	11	41	10	7	<5	<5	0.094	27
S1 JI 8+00W 7+00S		9	1.3	245	15	47	15	5	<5	<5	0.358	73
S1 JI 8+00W 8+00S		<5	0.6	781	11	40	12	5	<5	<5	0.135	32
S1 JI 8+00W 8+50S		<5	0.3	189	5	51	13	<5	<5	5	0.111	25
S1 JI 8+00W 9+00S		<5	0.5	110	8	42	16	<5	<5	<5	0.115	27
S1 L 0+00E 6+50S		<5	0.3	30	10	138	6	<5	<5	<5	0.118	69
S1 L 0+00E 7+00S		<5	<0.2	31	12	88	70	6	<5	<5	0.160	79
S1 L 4+00W 6+50S		<5	<0.2	12	8	31	5	<5	<5	<5	0.067	20
S1 L 4+00W 7+00S		<5	0.2	93	12	62	16	<5	<5	<5	0.093	42
S1 L 5+00W 6+50S		<5	<0.2	76	9	52	6	15	<5	<5	0.086	48
S1 L 5+00W 7+00S		<5	0.2	19	9	21	2	<5	<5	<5	0.043	57
S1 L 7+00W 8+00S		<5	0.4	79	7	40	6	14	<5	<5	0.080	27
S1 L 7+00W 8+50S		<5	0.2	49	13	55	6	<5	<5	<5	0.083	36
S1 L 7+50W 1+00S		<5	0.3	55	7	65	10	6	<5	<5	0.155	56
S1 L 8+00W 1+00S		<5	0.4	123	6	77	10	<5	<5	5	0.126	51
R2 L 5+00W 7+00S		<5	<0.2	10	4	42	6	<5	<5	<5	0.027	41
R2 JI 8+00W 2+00S		<5	<0.2	14	<2	77	5	<5	<5	<5	<0.010	82
R2 JI 8+00W 6+50S		<5	0.5	330	3	67	9	<5	<5	<5	0.031	24
R2 JI 8+00W 7+50S		6	0.2	166	3	39	6	7	<5	<5	0.077	33

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 5-OCT-94

REPORT: V94-01088.0 (COMPLETE) PROJECT: JI/PILL PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Bi PPM	Hg PPM	Ba PPM
R2 54051		53	1.2	38	10	109	3	<5	<5	<5	0.026	10
R2 54052		7	0.4	15	78	74	3	22	35	<5	<0.010	26
R2 54053		<5	0.4	103	5	99	6	11	<5	<5	<0.010	19
R2 54054		<5	0.6	338	3	108	4	16	<5	<5	<0.010	21
R2 54055		19	0.5	37	<2	59	17	7	<5	7	<0.010	3
R2 54056		<5	0.2	67	10	31	5	<5	<5	<5	<0.010	21
R2 54057		<5	0.3	56	<2	44	3	<5	<5	<5	<0.010	12
R2 54058		15	0.3	370	7	77	12	20	<5	<5	<0.010	31
R2 54059		<5	0.5	408	2	43	8	6	<5	<5	<0.010	20
R2 54060		<5	0.3	334	5	42	1095	9	<5	<5	<0.010	31
R2 54061		17	1.2	612	3	53	49	7	<5	<5	<0.010	25
R2 54062		<5	0.5	713	7	25	9	27	<5	<5	<0.010	21
R2 54063		<5	0.5	258	7	42	68	<5	<5	<5	<0.010	30
R2 54064		<5	0.4	87	5	64	5	6	<5	<5	<0.010	17
R2 54065		<5	0.4	235	7	137	22	8	<5	<5	<0.010	22
R2 54066		<5	0.2	110	6	33	86	<5	<5	<5	<0.010	113
R2 54067		<5	0.3	181	5	27	5	<5	<5	<5	<0.010	21
R2 54068		<5	1.0	168	9	22	27	<5	<5	<5	<0.010	83
R2 54069		<5	0.6	49	13	4	338	<5	<5	<5	<0.010	28
R2 54070		<5	0.5	210	4	49	14	7	<5	<5	<0.010	20
R2 54071		<5	0.3	38	10	11	11	<5	<5	<5	<0.010	37
R2 54072		<5	<0.2	27	3	24	3	11	<5	<5	<0.010	23
R2 54151		39	1.4	60	12	30	8	24	<5	11	<0.010	38
R2 54152		35	0.8	108	8	246	9	14	<5	<5	0.015	70
R2 54153		15	0.7	60	11	75	24	<5	<5	<5	<0.010	32
R2 54154		24	1.5	88	35	118	7	<5	<5	7	<0.010	53
R2 54155		38	1.0	306	11	196	9	10	<5	<5	<0.010	23
R2 54156		<5	<0.2	25	6	86	3	5	<5	<5	<0.010	23
R2 54157		28	1.1	209	18	246	6	7	<5	12	0.026	39
R2 54158		80	2.3	990	10	184	12	5	<5	21	<0.010	11
R2 54159		71	2.4	1527	7	67	13	<5	<5	20	0.013	3
R2 54160		53	2.2	1040	3	92	10	11	<5	<5	<0.010	8
R2 54161		174	8.5	1094	14	247	30	23	<5	36	0.027	4
R2 54162		144	3.0	238	4	38	20	113	<5	29	<0.010	1
R2 54163		343	10.6	1934	97	347	11	387	<5	29	0.057	5
R2 54164		677	14.3	3287	28	684	13	<5	<5	52	0.046	5
R2 54165		8	0.5	228	6	145	4	10	<5	<5	<0.010	44
R2 54166		<5	0.5	237	5	53	17	10	<5	<5	<0.010	20
R2 54167		<5	0.7	1151	6	36	17	9	<5	<5	<0.010	30
R2 54168		<5	1.1	976	3	59	26	<5	<5	<5	<0.010	24

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 5-OCT-94

REPORT: V94-01088.0 (COMPLETE) PROJECT: JI/PILL

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Bi PPM	Hg PPM	Ba PPM
R2 54169		<5	0.4	379	5	79	7	<5	<5	<5	<0.010	17
R2 54170		<5	0.3	51	<2	26	5	<5	<5	<5	<0.010	8
R2 54201		<5	0.3	22	7	10	10	<5	<5	<5	<0.010	67
R2 54202		<5	0.3	34	3	35	4	<5	<5	<5	<0.010	69
R2 54203		11	0.8	141	<2	11	4	<5	<5	<5	<0.010	2
R2 54204		44	2.0	70	9	26	6	38	<5	<5	<0.010	16
R2 54205		13	1.2	124	10	35	3	23	<5	<5	<0.010	6
R2 54206		<5	0.3	51	<2	26	3	<5	<5	<5	<0.010	9
R2 54207		<5	0.2	8	3	21	8	<5	<5	<5	<0.010	19
R2 54208		<5	<0.2	106	3	22	6	12	<5	<5	<0.010	20
R2 54209		10	1.7	1676	<2	34	3	15	<5	20	<0.010	2
JI R2 54210		<5	0.3	65	3	66	3	7	<5	<5	<0.010	10
R2 54211		9	0.3	61	8	44	5	15	<5	<5	<0.010	17
R2 54212		<5	0.2	14	13	24	3	13	<5	<5	<0.010	23
R2 54213		174	2.2	186	<2	44	6	<5	<5	10	<0.010	20
R2 54214		<5	<0.2	7	2	23	3	<5	<5	<5	<0.010	29
T1 54351		8	0.4	118	4	57	6	<5	<5	<5	0.014	77
CLAYS T1 54352		8	0.6	215	35	100	25	7	<5	<5	0.016	83
SILTS T1 54353		<5	0.2	19	8	43	6	5	<5	<5	0.036	39
T1 54354		<5	0.2	24	8	50	9	10	<5	<5	0.015	75
T1 54355		<5	0.2	31	12	84	9	12	<5	<5	0.023	168
T1 54356		<5	0.4	53	7	73	12	9	<5	<5	0.013	105

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 11-NOV-94

REPORT: V94-01231.0 (COMPLETE) PROJECT: JI

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Bi PPM	Hg PPM	Ba PPM
R2 54235		<5	0.3	118	5	25	15	25	<5	<5	0.018	37
R2 54236		<5	2.5	1668	170	219	35	29	<5	6	0.023	43
R2 54237		<5	0.5	188	6	40	5	14	<5	<5	0.028	19
R2 54238		<5	0.4	215	11	90	17	42	<5	<5	<0.010	26
R2 54239		<5	0.2	183	10	57	9	37	<5	<5	<0.010	25
R2 54240		<5	0.2	190	11	78	4	44	<5	<5	<0.010	30
R2 54241		<5	0.3	162	4	48	4	14	<5	<5	<0.010	25
R2 54251		<5	0.2	18	6	21	4	<5	<5	<5	0.017	43
R2 54252		<5	1.8	274	27	98	6	19	<5	<5	<0.010	7
R2 54253		<5	11.3	334	1168	281	4	21	<5	28	0.104	11
R2 54254		<5	1.2	95	71	29	7	9	<5	6	<0.010	12
R2 54255		<5	0.3	107	7	48	7	27	<5	5	0.030	22

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 5-OCT-94

REPORT: V94-01087.0 (COMPLETE)

PROJECT: JI/PILL

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	As PPM	Sb PPM	Bi PPM	Hg PPM	Ba PPM
R2 L9+00W 2+50S		<5	<0.2	39	4	32	7	10	<5	<5	0.021	31
R2 L9+00W 6+50S		<5	0.5	449	5	68	6	16	<5	<5	0.015	25
R2 L9+00W 8+00S		<5	0.3	141	11	48	5	10	<5	<5	0.018	21
R2 L10+00W 3+00S		<5	0.2	36	4	60	3	9	<5	<5	0.018	17
R2 L10+00W 6+00S		<5	<0.2	20	<2	28	7	<5	<5	<5	<0.010	34
R2 L10+00W 8+00S		<5	0.4	78	18	54	5	<5	<5	<5	<0.010	14
R2 L10+00W 8+50S		<5	1.2	193	4	50	47	<5	<5	<5	<0.010	176
R2 L10+00W 9+00S		<5	<0.2	37	2	37	30	6	<5	<5	<0.010	36
R2 L11+00W 5+50S		<5	<0.2	38	20	27	26	21	14	13	<0.010	20
R2 L11+00W 8+00S		<5	0.3	60	3	52	18	<5	<5	<5	<0.010	22
R2 L11+00W 8+50S		<5	<0.2	38	4	62	8	<5	<5	<5	<0.010	46
R2 L11+50W 4+00S		<5	0.3	41	4	49	8	6	<5	<5	<0.010	39
R2 L12+00W 5+50S		<5	0.5	132	2	95	20	16	<5	<5	0.010	124
R2 L12+00W 6+00S		<5	0.2	52	2	47	7	8	<5	<5	<0.010	266

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical
Lab
Report

DATE PRINTED: 23-NOV-94

REPORT: V94-01231.1 (COMPLETE)

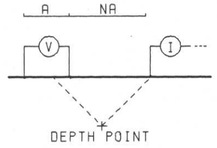
PROJECT: JI

SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
54236		51.47	0.68	16.04	12.09	0.10	3.11	3.85	2.82	1.69	0.33	5.54	97.86	0.133	0.01	2.27
54238		52.06	0.83	18.03	8.50	0.15	4.71	8.05	2.59	0.79	0.27	2.84	98.85	0.035	0.01	0.36
54240		52.51	0.81	18.94	7.92	0.09	4.42	8.50	2.86	0.72	0.25	2.51	99.56	0.025	0.01	0.49

LINE : 700 W

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...
"A" SPACING = 25.0 METRES

PSEUDOSECTI ON

AQUATERRE MIN. DEV. LTD.

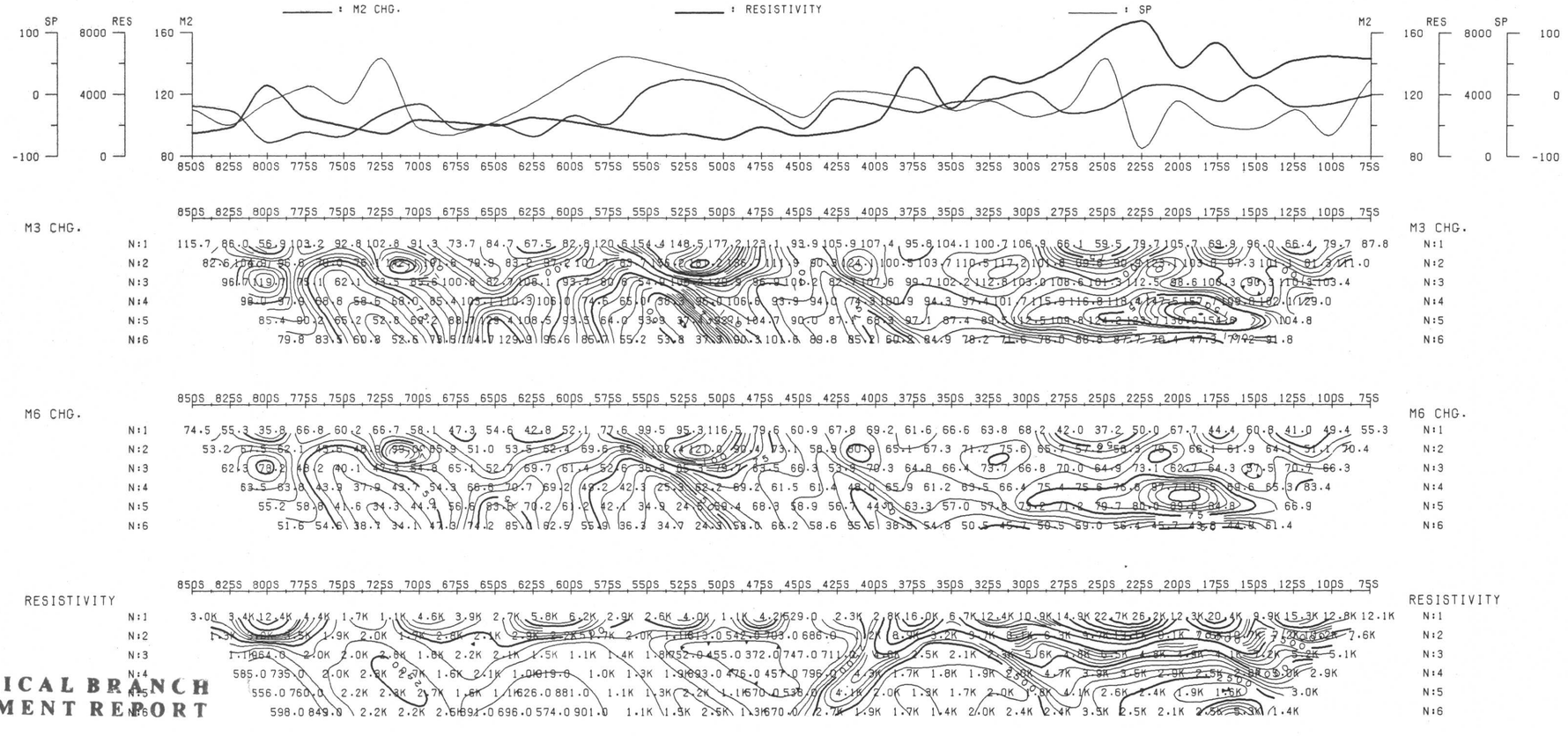
JI CLAIMS

VANCOUVER M.D., B.C.

DATE : 07/09/94 | REF : 92 07 13

SCALE = 1: 2500

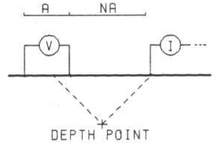
SJ GEOPHYSICS LTD.



LINE : 600 W

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1. 2. 3. 4. ....
"A" SPACING = 25.0 METRES

PSEUDOSECTI ON

AQUATERRE MIN. DEV. LTD.

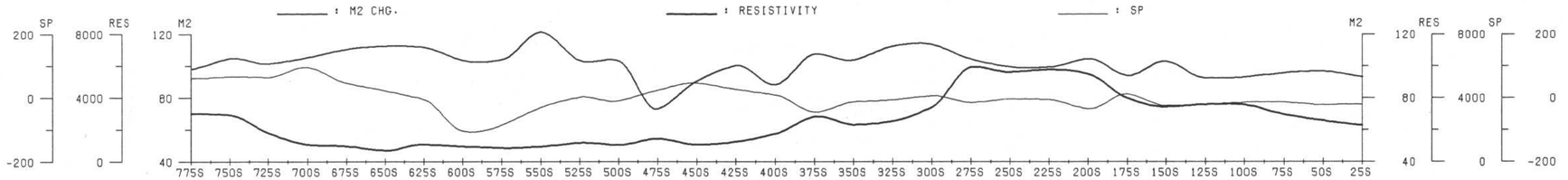
JI CLAIMS

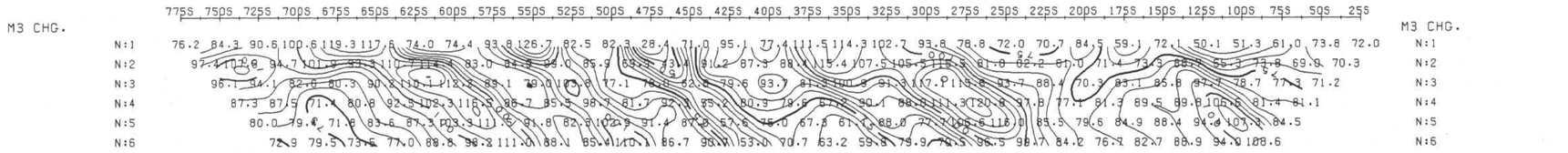
VANCOUVER M.D., B.C.

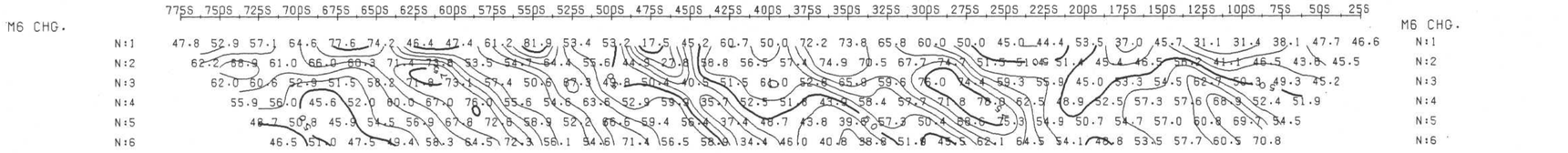
DATE : 07/09/94 | REF : 92-043

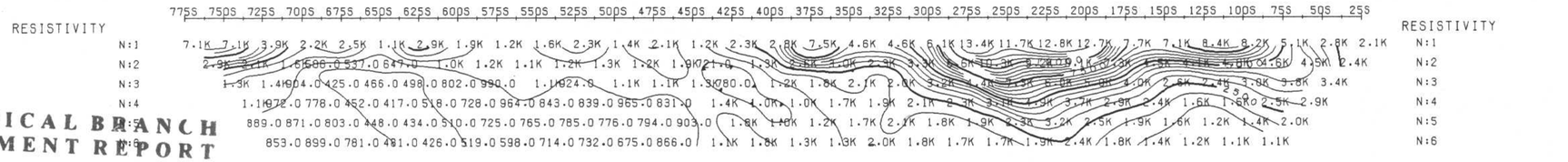
SCALE = 1: 2500

SJ GEOPHYSICS LTD.





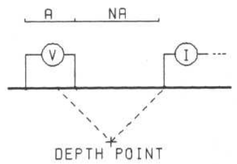




LINE : 500 W

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...
"A" SPACING = 25.0 METRES

PSEUDOSECTI ON

AQUATERRE MIN. DEV. LTD.

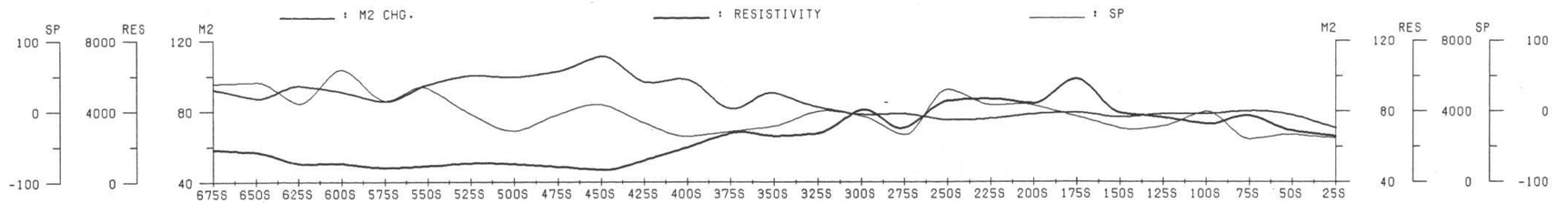
JI CLAIMS

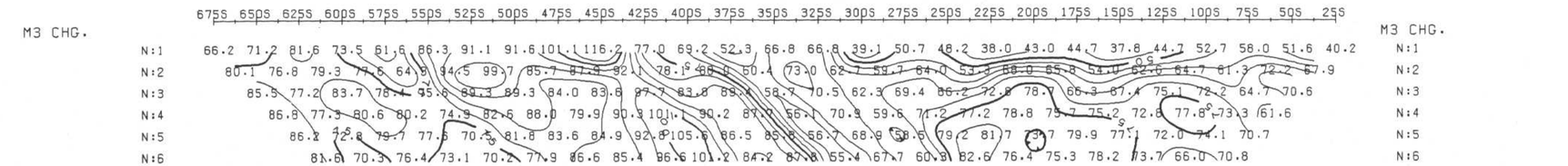
VANCOUVER M.D., B.C.

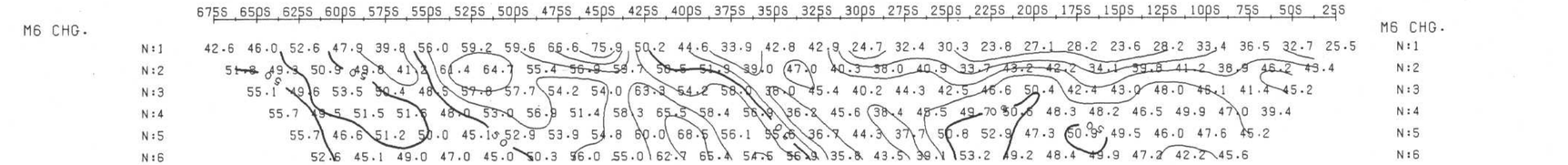
DATE : 07/09/94 | REF : 92 G/13

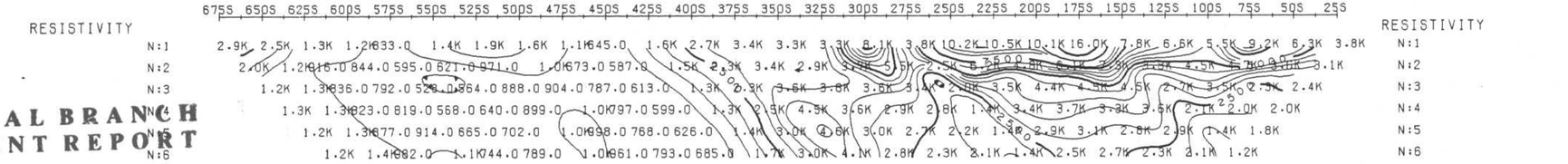
SCALE = 1: 2500

SJ GEOPHYSICS LTD.









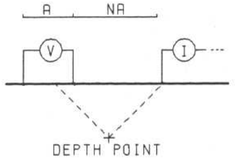
GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,896

LINE : 400 W

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...
"A" SPACING = 25.0 METRES

PSEUDOSECTION

AQUATERRE MIN. DEV. LTD.

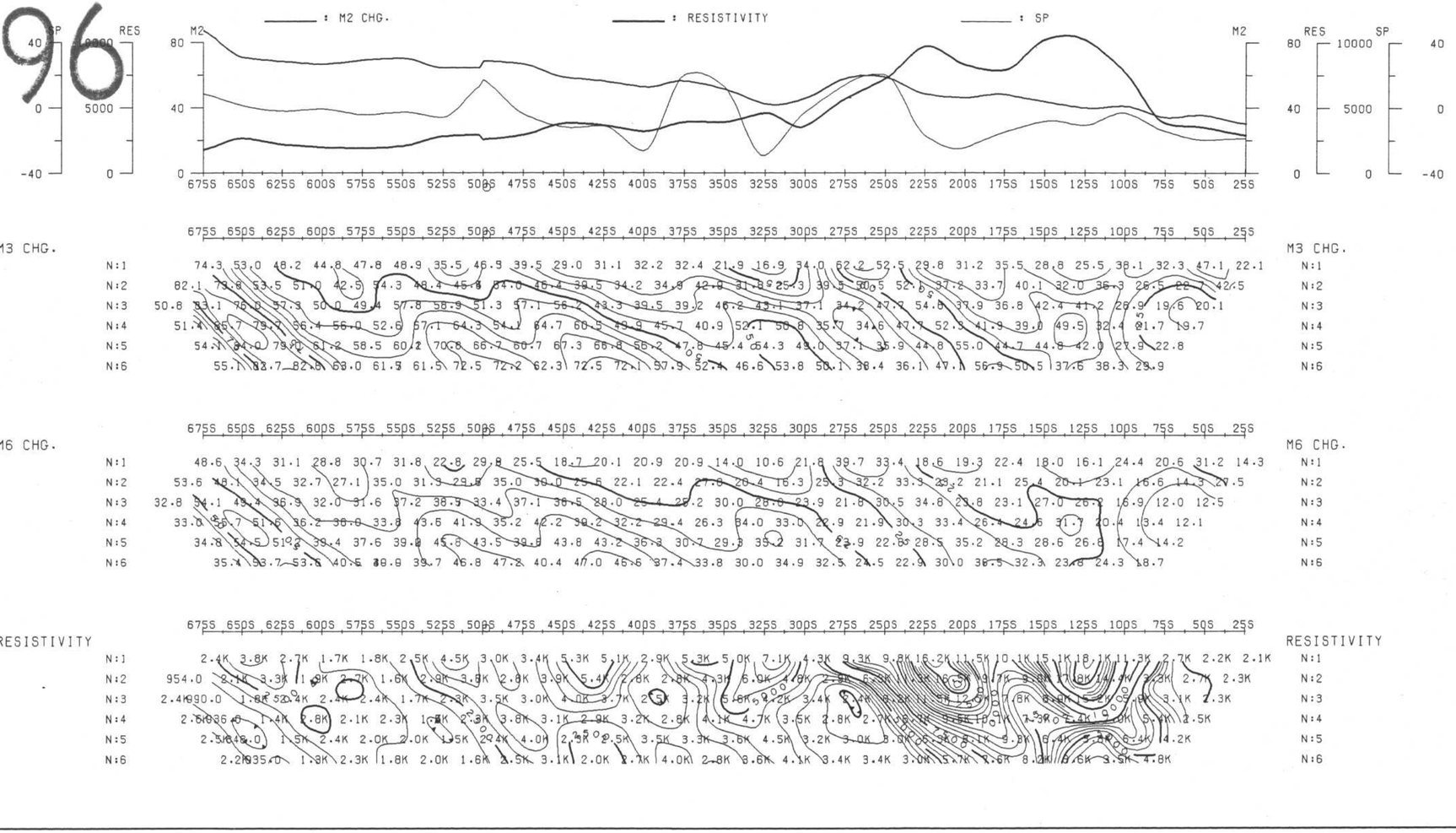
JI CLAIMS

VANCOUVER M.D., B.C.

DATE : 07/09/94 | REF : 92 G/13

SCALE = 1: 2500

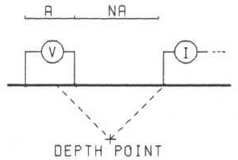
SJ GEOPHYSICS LTD.



LINE : 300 W

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...
"A" SPACING = 25.0 METRES

PSEUDOSECTION

AQUATERRE MIN. DEV. LTD.

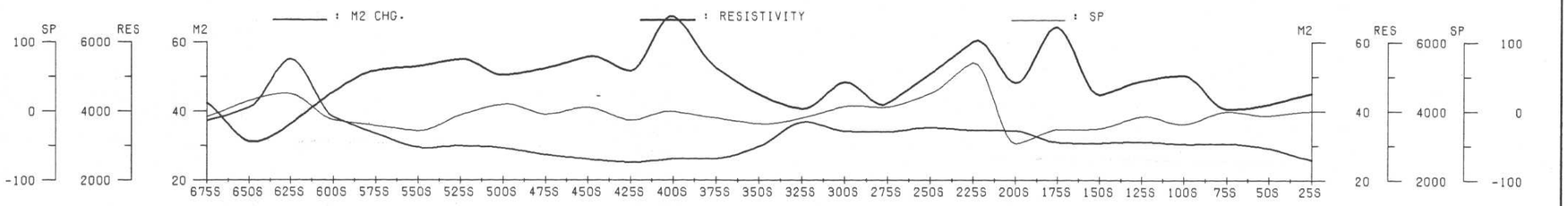
JI CLAIMS

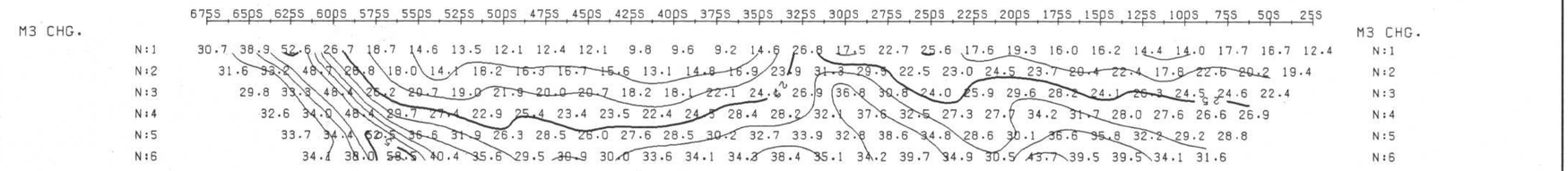
VANCOUVER M.D., B.C.

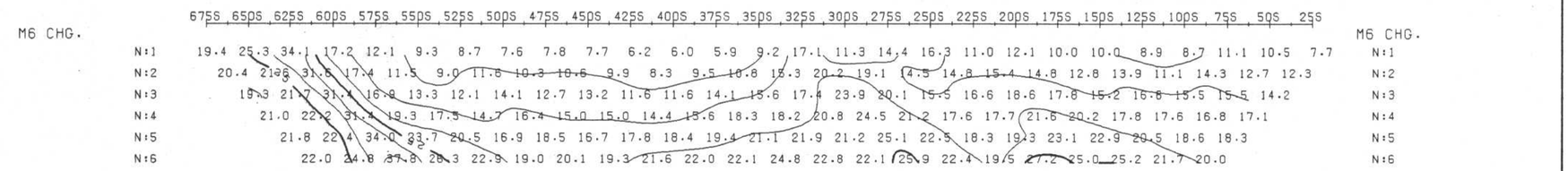
DATE : 07/09/94 | REF : GEO 01

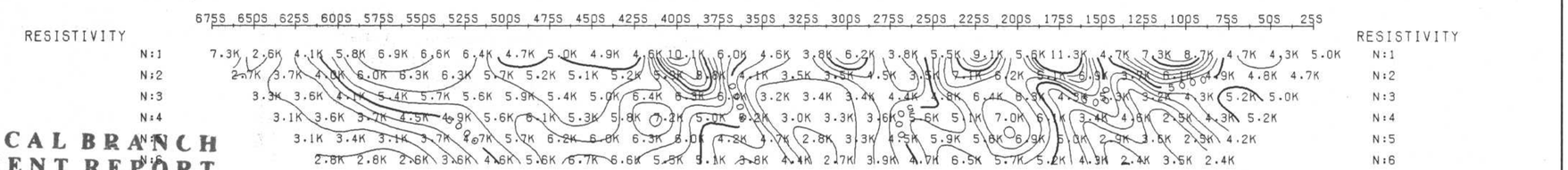
SCALE = 1: 2500

SJ GEOPHYSICS LTD.





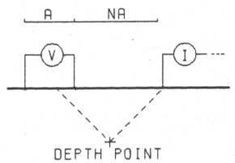




LINE : 0

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1. 2. 3. 4. ...
"A" SPACING = 25.0 METRES

PSEUDOSECTI ON

AQUATERRE MIN. DEV. LTD.

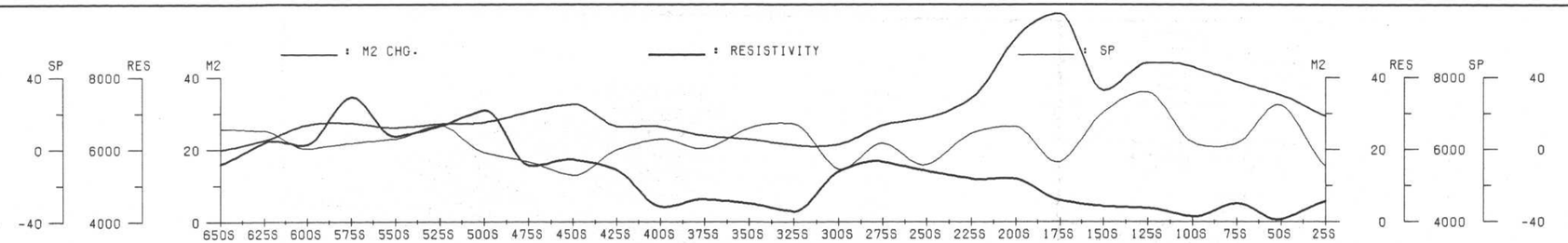
JI CLAIMS

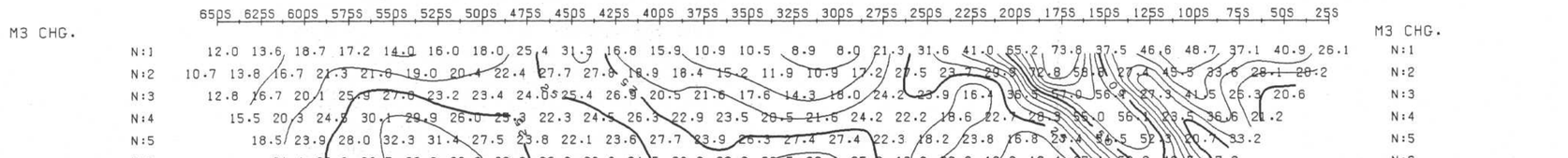
VANCOUVER M.D., B.C.

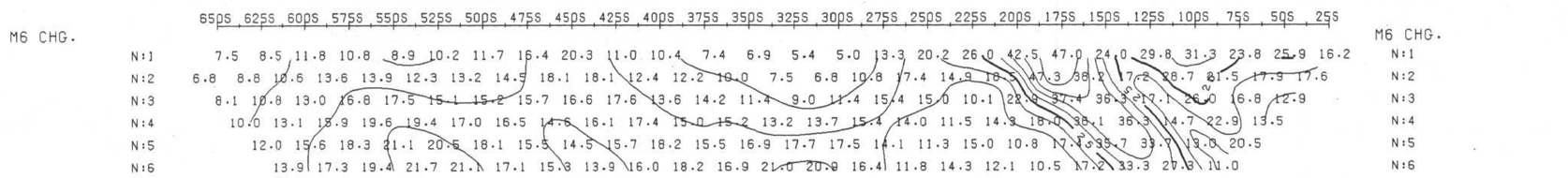
DATE : 07/09/94 | REF : 92-8/13

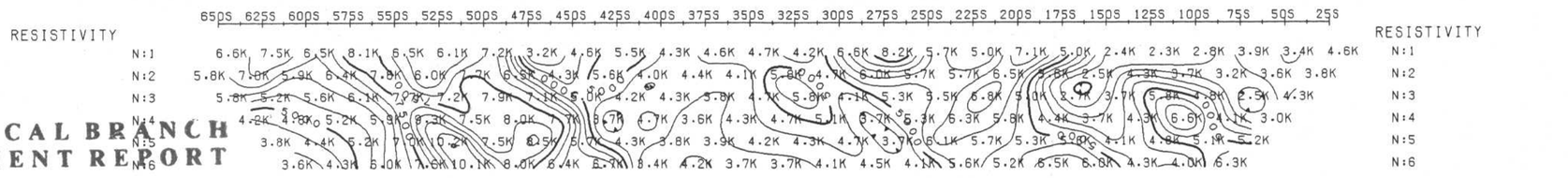
SCALE = 1: 2500

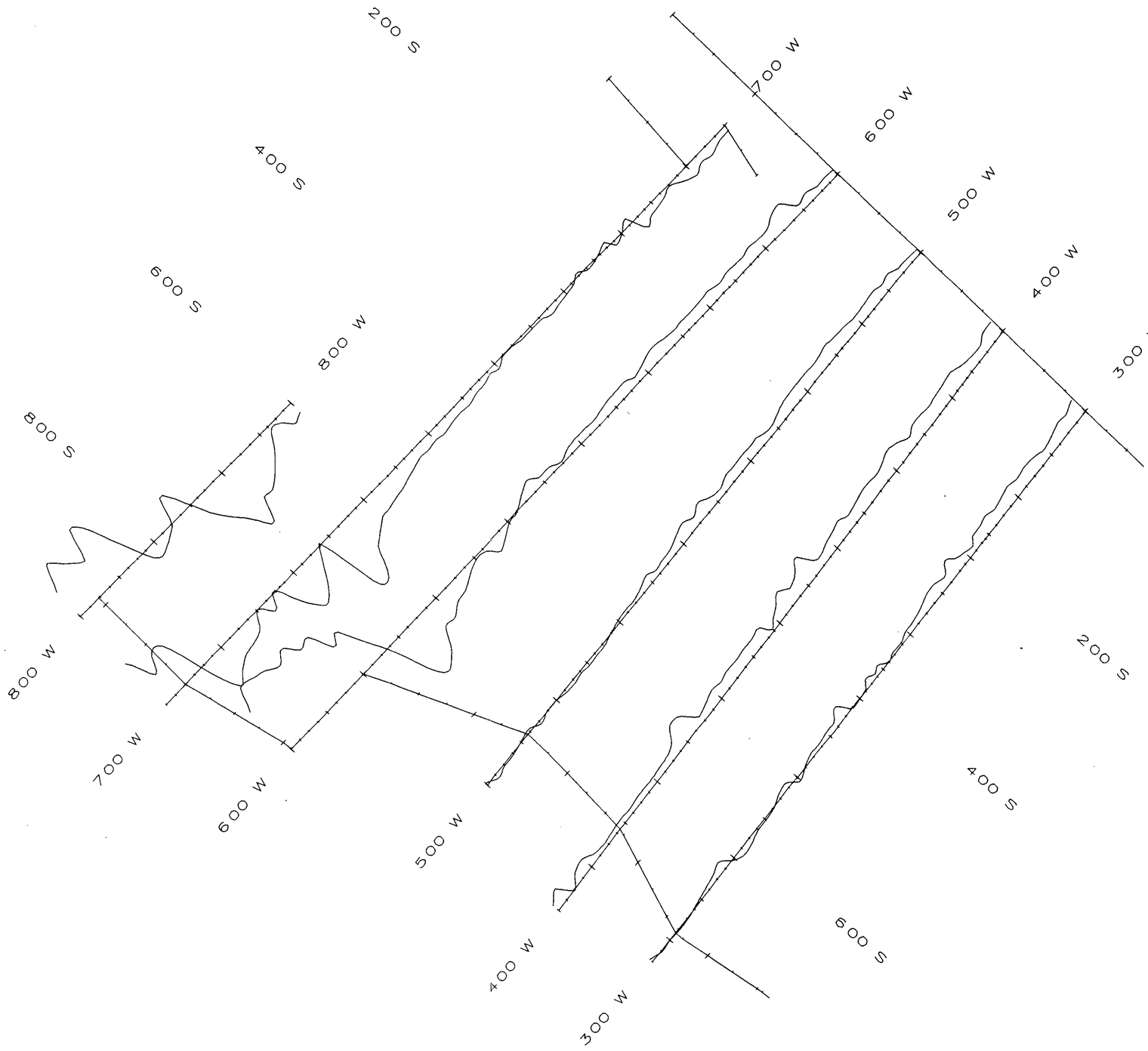
SJ GEOPHYSICS LTD.











N

LEGEND

Profile Scale: 300 nT/cm
Profile Base Value: 55,700 nT
Minimum Value: 54,944 nT
Maximum Value: 56,545 nT
Distances along grid lines has been corrected for topography

Equipment:
Field unit: EDA OMNI PLUS combined proton precession magnetometer & VLF-EM system
Base unit: EDA OMNI IV proton precession magnetometer

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

J I PROPERTY

TOTAL FIELD MAGNETOMETER PROFILES

VANCOUVER MINING DIVISION, B.C. N.T.S. 92 G/13

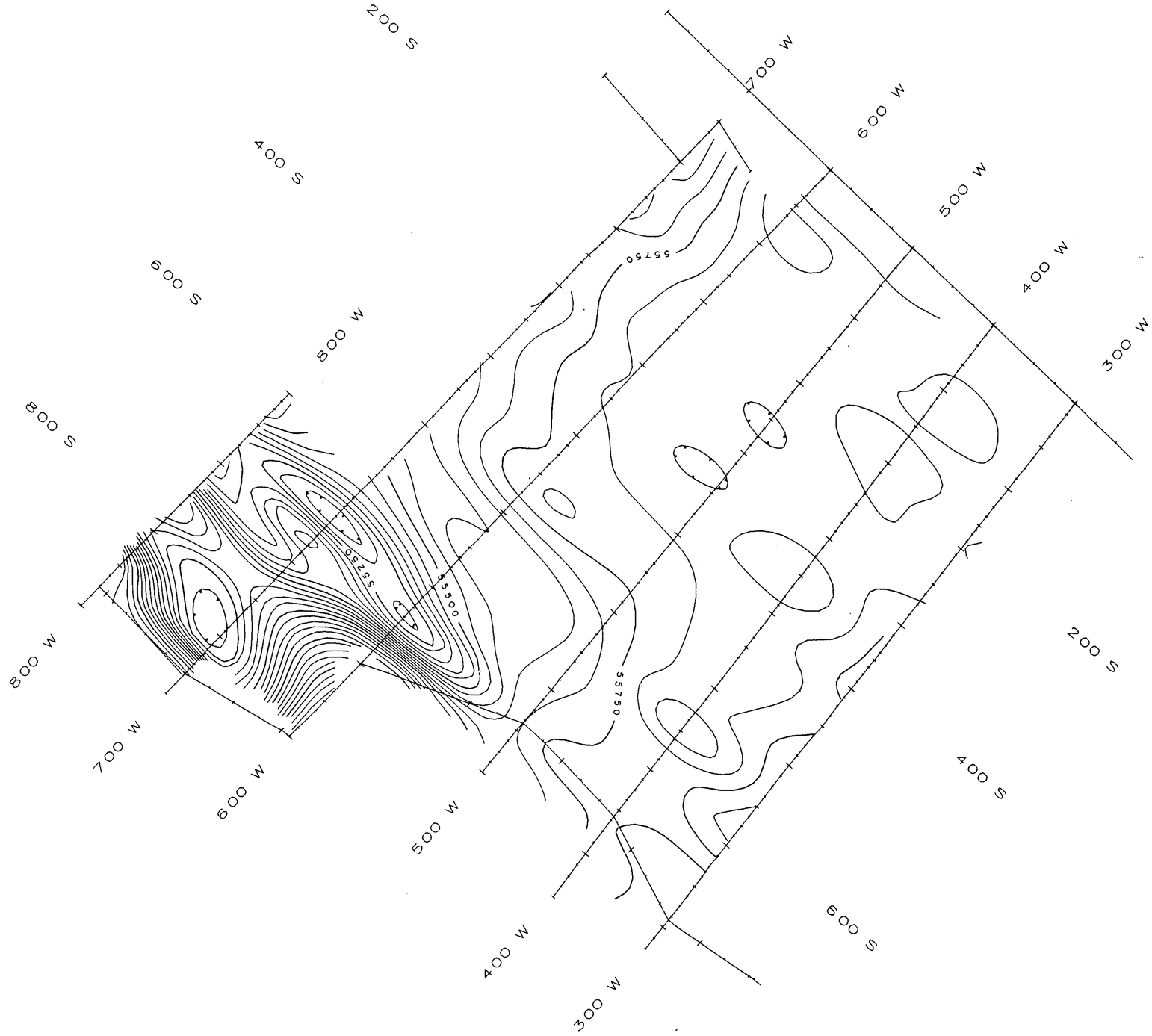
SCALE AS SHOWN

100 0 100 200

METRES

SJ GEOPHYSICS LTD.

DECEMBER 1994 PLATE G1A



N

LEGEND

Contour Interval: 50nT / 250nT posted
Minimum Value: 54,944 nT
Maximum Value: 56,545 nT
Distances along grid lines has been corrected for topography

Equipment:
Field unit: EDA OMNI PLUS combined proton precession magnetometer & VLF-EM system
Base unit: EDA OMNI IV proton precession magnetometer

AQUATERRE MINERAL DEVELOPMENT LTD.

J I PROPERTY

TOTAL FIELD MAGNETOMETER CONTOURS

VANCOUVER MINING DIVISION, B.C. N.T.S. 92 G/13

SCALE AS SHOWN

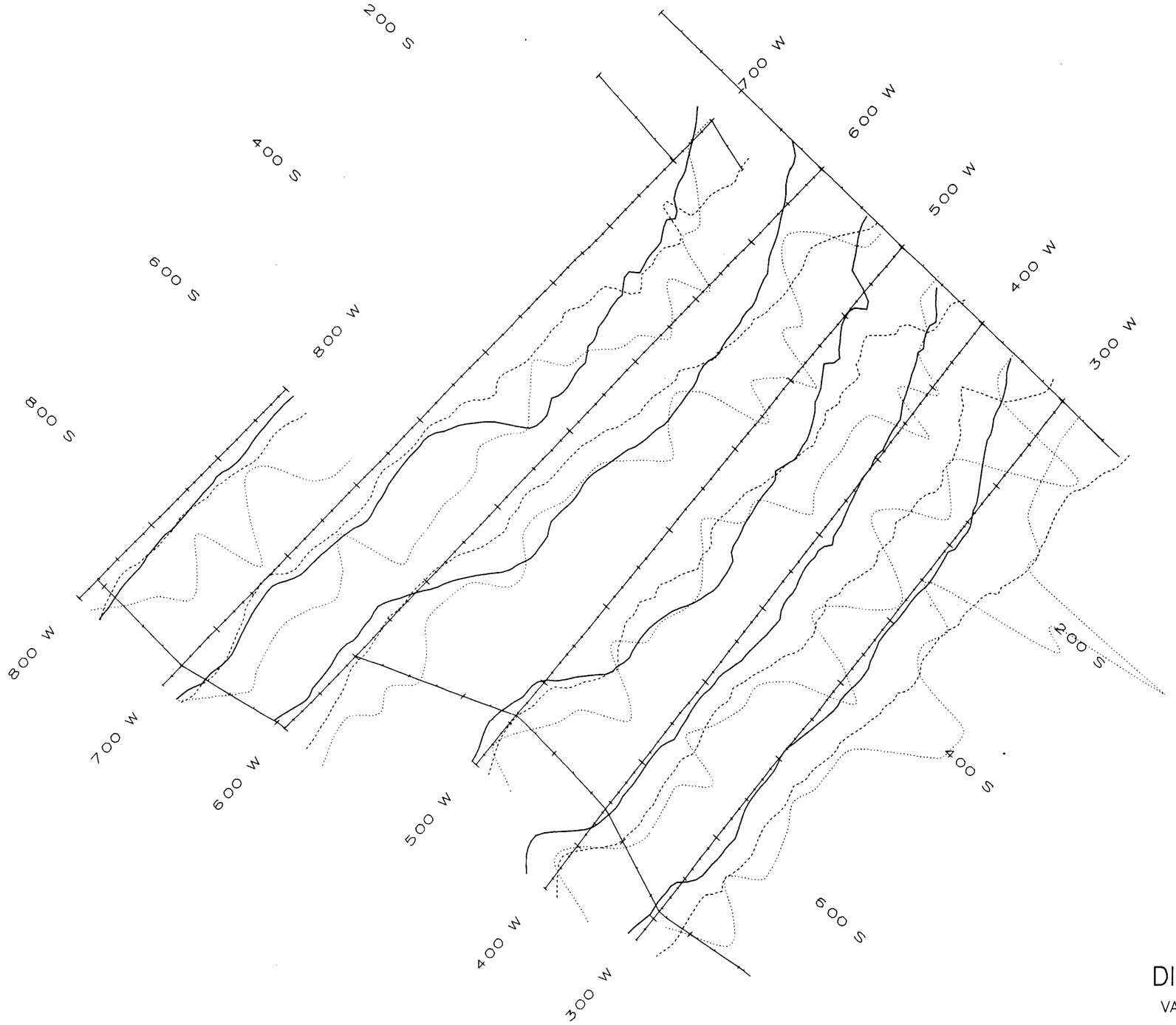
100 0 100 200

METRES

SJ GEOPHYSICS LTD.

DECEMBER 1994

PLATE G1B



LEGEND

Profiles are positive up and right
VLF-EM survey performed facing NW and NE
*Dip Angle – **Solid** – 10%/cm, -40% base value*
*Quadrature – **Dashed** – 10%/cm, 0% base value*
*Topography Slope – **Dotted** – 25%/cm, 0% base*

Distances along grid lines has been corrected for topography

Equipment:
Field unit: EDA OMNI PLUS combined proton precession magnetometer & VLF-EM system
Base unit: EDA OMNI IV proton precession magnetometer
*VLF-EM transmitter: **Seattle, NLK 24.8 kHz***

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

J I PROPERTY

VLF-EM SURVEY PROFILES

DIP ANGLE, QUADRATURE & TOPOGRAPHY

VANCOUVER MINING DIVISION, B.C. N.T.S. 92 G/13

SCALE AS SHOWN

100 0 100 200

METRES

SJ GEOPHYSICS LTD.

DECEMBER 1994 PLATE G2A

N

LEGEND

Contour Interval: 4msec / 20 msec posted
Distances along grid lines has been corrected for topography

Equipment:
Androtex IP Receiver 6 Dipole, Pheonix IPT1 Time Domain Transmitter

GEOLOGICAL BRANCH ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

J I PROPERTY

INDUCED POLARIZATION SURVEY
CHARGEABILITY CONTOURS (N=1)

VANCOUVER MINING DIVISION, B.C. N.T.S. 92 G/13

SCALE AS SHOWN

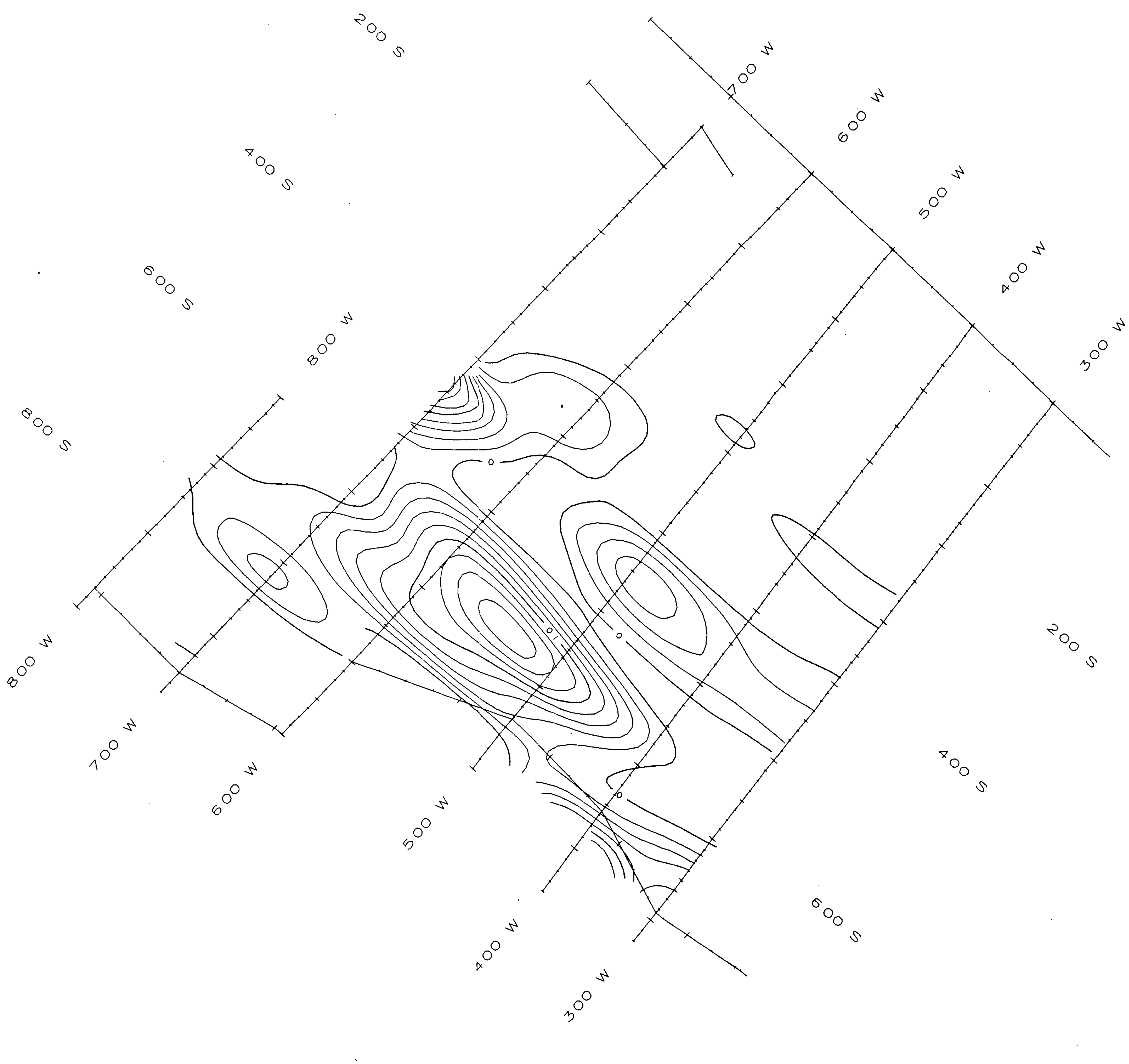
100 0 100 200

METRES

SJ GEOPHYSICS LTD.

DECEMBER 1994

PLATE G3A



N

LEGEND

Negative contours are suppressed
VLF–EM survey performed facing NW and NE
Contour Interval: 2% / 10% posted
Distances along grid lines has been corrected for topography

Equipment:
Field unit: EDA OMNI PLUS combined proton precession magnetometer & VLF–EM system
Base unit: EDA OMNI IV proton precession magnetometer
VLF–EM transmitter: Seattle, NLK 24.8 kHz

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

J I PROPERTY

VLF–EM SURVEY CONTOURS

FRASER FILTERED DIP ANGLE

VANCOUVER MINING DIVISION, B.C. N.T.S. 92 G/13

SCALE AS SHOWN

100 0 100 200

METRES

SJ GEOPHYSICS LTD.

DECEMBER 1994

PLATE G2B

LEGEND

Contour Interval: 4msec / 20 msec posted
Distances along grid lines has been corrected for topography

Equipment:
Androtex IP Receiver 6 Dipole, Pheonix IPT1 Time Domain Transmitter

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

J I PROPERTY

INDUCED POLARIZATION SURVEY
CHARGEABILITY CONTOURS (N=3)

VANCOUVER MINING DIVISION, B.C. N.T.S. 92 G/13

SCALE AS SHOWN

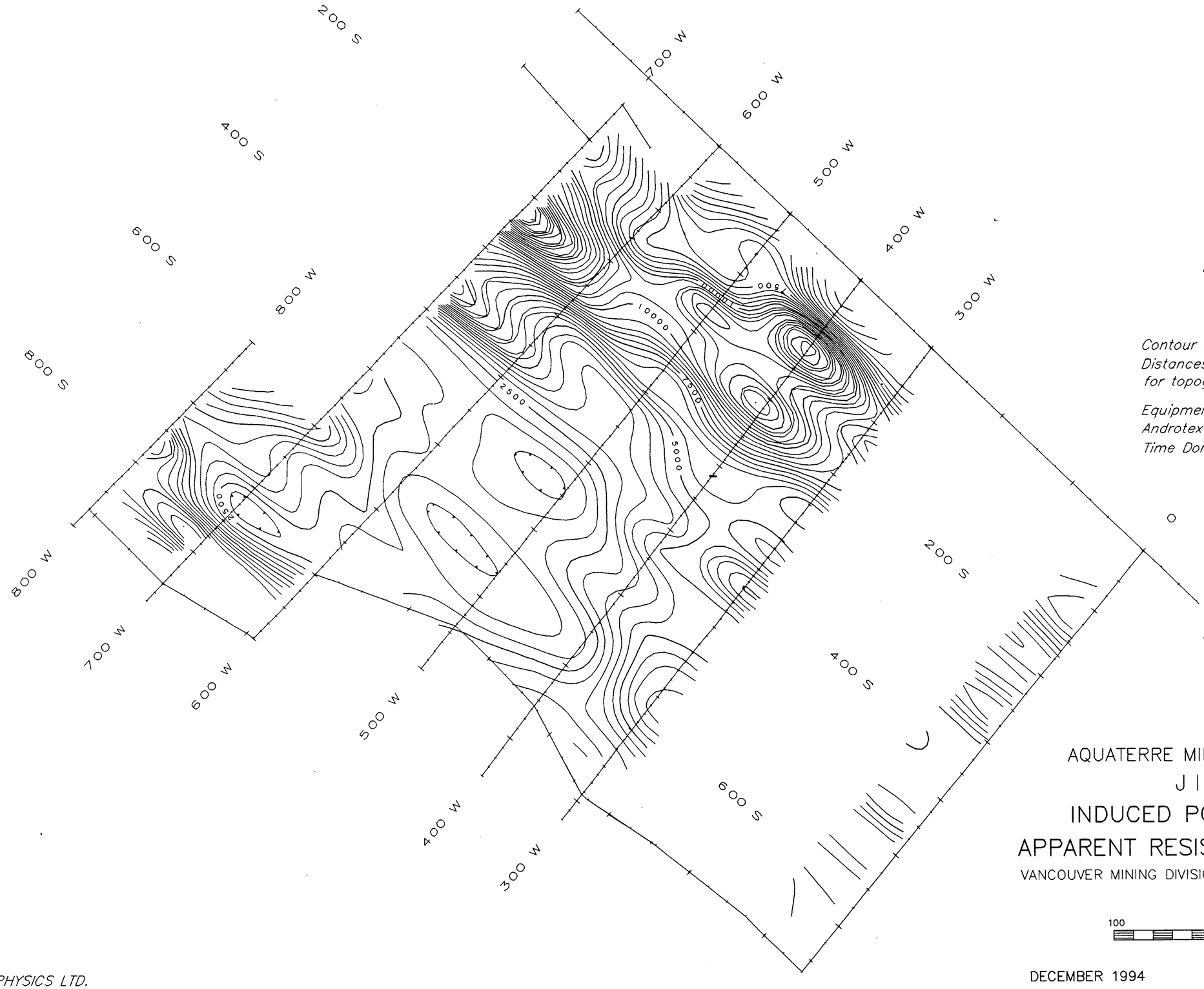
100 0 100 200

METRES

SJ GEOPHYSICS LTD.

DECEMBER 1994

PLATE G3B



N

LEGEND

Contour Interval: 500 ohm-m / 2500 posted
Distances along grid lines has been corrected for topography

Equipment:
Androtex IP Receiver 6 Dipole, Pheonix IPT1 Time Domain Transmitter

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

J I PROPERTY

INDUCED POLARIZATION SURVEY

APPARENT RESISTIVITY CONTOURS (N=1)

VANCOUVER MINING DIVISION, B.C. N.T.S. 92 G/13

SCALE AS SHOWN

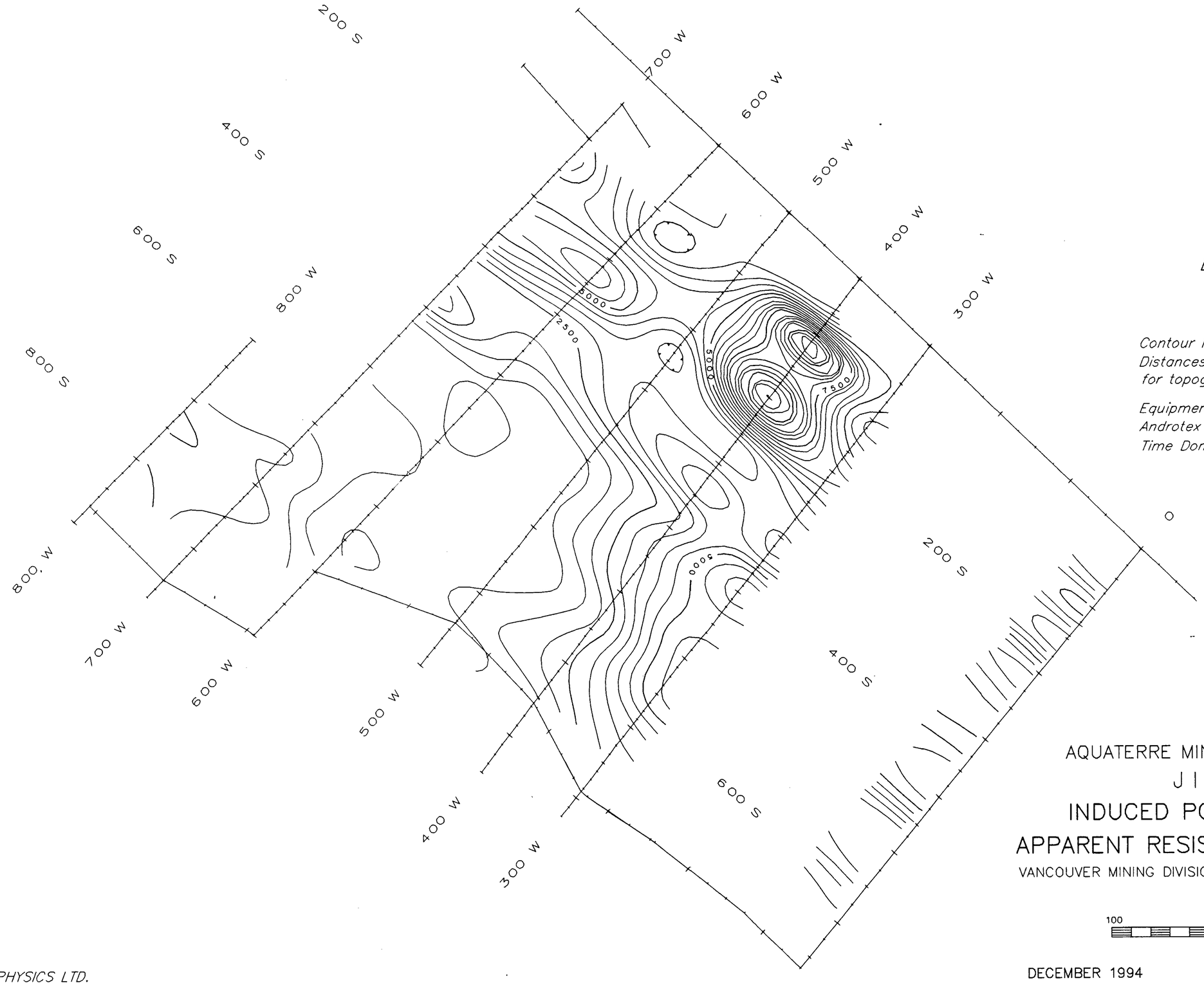
100 0 100 200

METRES

SJ GEOPHYSICS LTD.

DECEMBER 1994

PLATE G4A



N

LEGEND

Contour Interval: 500 ohm-m / 2500 posted
Distances along grid lines has been corrected for topography

Equipment:
Androtex IP Receiver 6 Dipole, Pheonix IPT1 Time Domain Transmitter

GEOLOGICAL BRANCH ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

J I PROPERTY

INDUCED POLARIZATION SURVEY

APPARENT RESISTIVITY CONTOURS (N=3)

VANCOUVER MINING DIVISION, B.C. N.T.S. 92 G/13

SCALE AS SHOWN

100 0 100 200

METRES

DECEMBER 1994 PLATE G4B

SJ GEOPHYSICS LTD.

LEGEND

- Chargeability Contours N=1
- Magnetic Low
- Magnetic High
- Magnetic Linear Trend
- Chargeability Limit
- VLF–EM Anomaly Axis
- Resistivity Outline
- Resistivity High – Near Surface
- Chargeability Low Trend
- Chargeability High
- W/D Strength/Depth of Anomay (ie, Weak, Moderate, Strong, Deep, Shallow)

N

Distances along grid lines have been corrected for topography

Equipment:
Field unit: EDA OMNI PLUS combined proton precession magnetometer & VLF–EM system
Base unit: EDA OMNI IV proton precession magnetometer
Androtex IP 6–Dipole Receiver, Phoenix IPT1 Time Domain IP Transmitter

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

J I PROPERTY

GEOPHYSICAL COMPILATION MAP

VANCOUVER MINING DIVISION, B.C. N.T.S. 92 G/13

SCALE AS SHOWN

100 0 100 200

METRES

DECEMBER 1994

PLATE G5A

SJ GEOPHYSICS LTD.

LEGEND

GEOLOGICAL UNITS

1 — FELSITE
Undifferentiated felsic flows, dacitic to rhyolitic in composition. White, locally dark gray, fine-grained, occasional faint bedding, may contain quartz eyes.

2 — ANDESITE TUFF
Light to medium green-gray, fine-grained, well bedded. May be thinly interbedded with felsite. Local epidote, chlorite & silica. May be pyritic. Includes unit 2s - dark gray, fine-grained sediments.

3 — ANDESITE TUFF / FELSITE
Transitional unit between felsite flows & andesite tuff. Similar to andesite tuff but lighter beds.

20 — DIORITE - GRANODIORITE
Black & white, fine- to medium-grained near contacts, equigranular, rarely porphyritic. Local patchy epidote, variable pyrite & magnetite.

DIKES

10 — FELDSPAR PORPHYRITIC ANDESITE
Green-gray, fine-grained matrix with 10-20% white feldspar & mafic phenocrysts. Fractured, blocky, commonly limonitic. Possible close age relationship to felsite dikes. Includes tuffaceous porphyritic andesite - partially aligned, broken feldspar crystals, possible lapilli.

11 — FELDSPAR PORPHYRITIC FELSITE
Undifferentiated. Includes quartz monzonite, quartz porphyritic quartz monzonite (11q). Light gray, fine- to medium-grained matrix with feldspar & mafic phenocrysts ± subhedral quartz phenocrysts. Fractured, blocky. Commonly limonitic & pyritic. May represent a minor intrusion & associated offshoots or beds of thermally altered felsic flows.

12 — FELDSPAR PORPHYRITIC ANDESITE - BASALT
Dark gray, fine-grained matrix. Sparse white feldspar phenocrysts, rare olivine.

bedding - inclined, vertical

foliation - inclined, vertical

lineation

fractures - inclined, vertical

geological contact - defined, assumed

fault / shear

outcrop

anomalous rock sample

rock sample

creek

helicopter pad

py	pyrite
mo	molybdenite
mag	magnetite
hem	hematite
qtz	quartz
ep	epidote
chl	chlorite

JERVIS INLET

L5+00W L4+00W L3+00W L2+00W L1+00W L0+00 L1+00E

Baseline 0+00

1+00S 2+00S 3+00S 4+00S 5+00S 6+00S

54052 15ppm Cu
54051 52ppb Au,38ppm Cu
54253 11.3ppm Ag, 334ppm Cu, 1188ppm Pb, 281ppm Zn
54254 95ppm Cu
54251 18ppm Cu
54252 274ppm Cu
54210 65ppm Cu

chilled margin
qtz eyes
conformable
TR93-1
hem,mag
qtz,ep,hem
massive
contains blocks of 2
f.g. chill - 10?
py,ep,hem
logging slash
440m elev.
081/78°N

0 25 50 75 100metres

SCALE 1:1,000

Note: slope corrected grid lines.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

JI PROPERTY
Vancouver Mining Division, BC

PROPERTY GEOLOGY

SHEET 1
LINES 1+00E - 5+50W

SCALE: 1:1,000	NTS: 92G/13W	DATE: December, 1994
WORK BY: Aquaterre		FIGURE: 4a

LEGEND

GEOLOGICAL UNITS

1 FELSITE
Undifferentiated felsic flows, dacitic to rhyolitic in composition. White, locally dark grey, fine-grained, occasional faint bedding, may contain quartz eyes.

2 ANDESITE TUFF
Light to medium green-grey, fine-grained, well bedded. Often thinly interbedded with felsite. Local epidote, chlorite & silica. May be pyritic. Includes unit 2s - dark grey, fine-grained sediments.

3 ANDESITE TUFF / FELSITE
Transitional unit between felsite flows & andesite tuff. Similar to andesite tuff but lighter beds.

20 DIORITE - GRANODIORITE
Black & white, fine- to medium-grained near contacts, equigranular, rarely porphyritic. Local patchy epidote, variable pyrite & magnetite.

DIKES

10 FELDSPAR PORPHYRITIC ANDESITE
Green-grey, fine-grained matrix with 10-20% white feldspar & mafic phenocrysts. Fractured, blocky, commonly limonitic. Possible close age relationship to felsite dikes. Includes tuffaceous porphyritic andesite - partially aligned, broken feldspar crystals, possible lapilli.

11 FELDSPAR PORPHYRITIC FELSITE
Undifferentiated. Includes quartz monzonite, quartz porphyritic quartz monzonite (11q). Light gray, fine- to medium-grained matrix with feldspar & mafic phenocrysts ± quartz phenocrysts. Fractured, blocky. Commonly limonitic & pyritic. May represent a minor intrusion & associated offshoots or beds of thermally altered felsic flows.

12 FELDSPAR PORPHYRITIC ANDESITE - BASALT
Dark grey, fine-grained matrix sparse white feldspar phenocrysts, rare olivine.

bedding - inclined, vertical

foliation - inclined, vertical

lineation

fractures - inclined, vertical

geological contact - defined, assumed

fault / shear

outcrop

anomalous rock sample

rock sample

creek

py	pyrite
mo	molybdenite
mag	magnetite
hem	hematite
qtz	quartz
ep	epidote
chl	chlorite

0 25 50 75 100metres

SCALE 1:1,000

Note: slope corrected grid lines.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

JI PROPERTY
Vancouver Mining Division, BC

PROPERTY GEOLOGY

SHEET 2
LINES 6+00W - 11+00W

SCALE: 1:1,000	NTS: 92G/13W	DATE: December, 1994
WORK BY: Aquaterre		FIGURE: 4b

LEGEND

1994 / 1993 — Slope corrected grid station, 1994 sample & 1993 sample.

COPPER CONTOURS:
- 100ppm
- 300ppm
- 500ppm
- 1,000ppm

0 50 100 150 200 250metres

SCALE 1:2,500

GEOLOGICAL BRANCH
ASSESSMENT REPORT

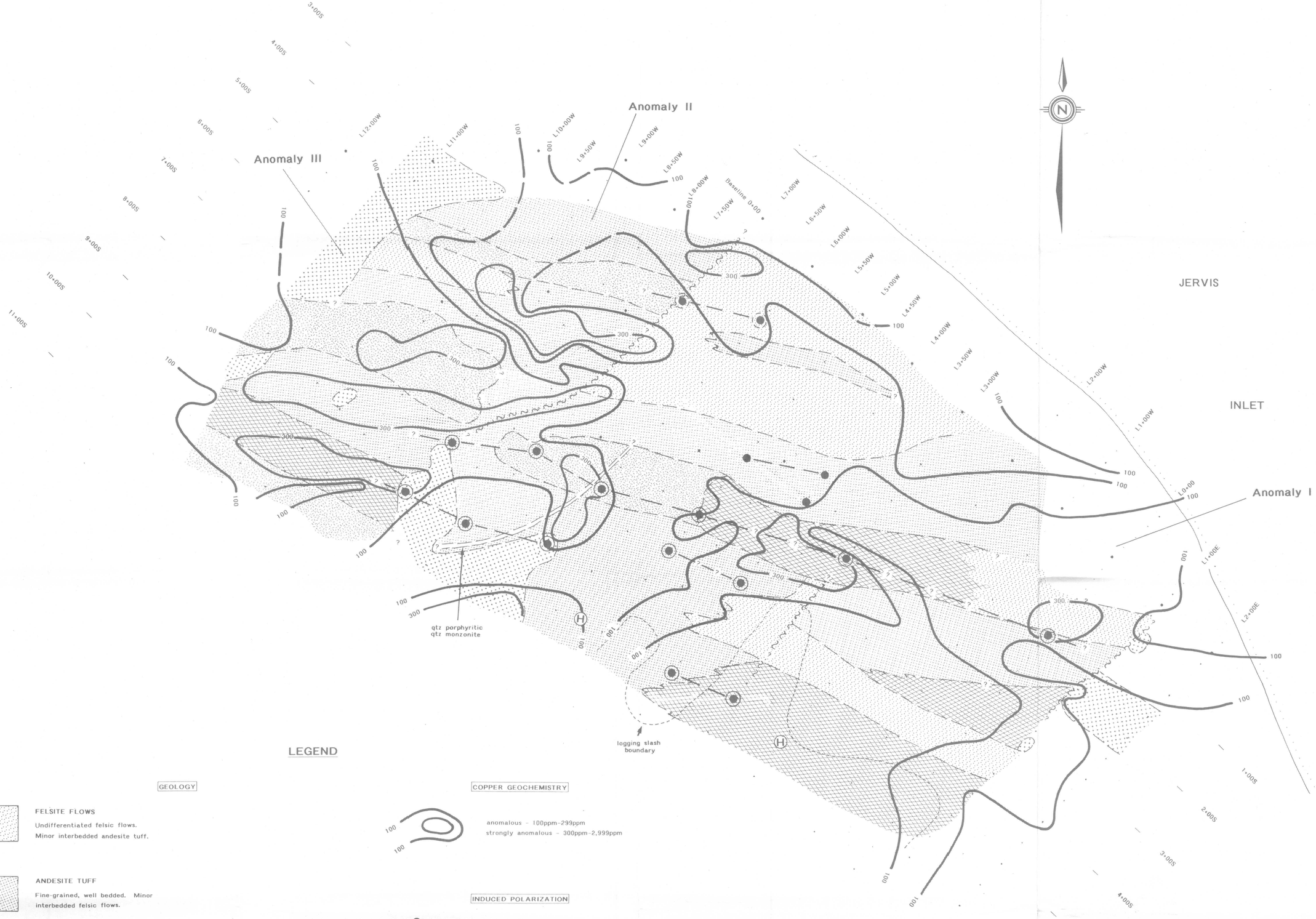
23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

JI PROPERTY
Vancouver Mining Division, BC

COPPER SOIL GEOCHEMISTRY

SCALE: 1:2,500	NTS: 92G/13W	DATE: December, 1994
WORK BY: Aquaterre		FIGURE: 5



LEGEND

GEOLOGY

FELSITE FLOWS
Undifferentiated felsic flows.
Minor interbedded andesite tuff.

ANDESITE TUFF
Fine-grained, well bedded. Minor interbedded felsic flows.

INTERBEDDED FELSITE FLOWS & ANDESITE TUFFS
Thinly interbedded felsic flows & andesite tuffs.

FELDSPAR PORPHYRITIC FELSITE
Includes porphyritic quartz monzonite. May represent a minor intrusion (sill) & associated offshoots or thermally altered beds of felsite flows.

DIORITE - GRANODIORITE
Fine- to medium-grained near contacts.

geological contact - inferred

fault / shear - inferred

COPPER GEOCHEMISTRY

anomalous - 100ppm-299ppm
strongly anomalous - 300ppm-2,999ppm

INDUCED POLARIZATION

chargeability high

chargeability high with corresponding strong resistivity low, moderate resistivity low

trend of chargeability highs

helicopter pad

100 50 0 100 200 metres

Scale 1:2,500

Note: Slope corrected grid lines.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,896

AQUATERRE MINERAL DEVELOPMENT LTD.

JI PROPERTY
Vancouver Mining Division, BC

COMPILATION
Geology, Geochemistry & Induced Polarization
L2+00E - L12+00W

SCALE: 1:2,500	NTS: 92G/13W	DATE: January, 1995
WORK BY: Aquaterre		FIGURE: 6