

ASSESSMENT REPORT

**SOIL AND STREAM SEDIMENT GEOCHEMICAL SURVEY  
GRID EXTENSIONS - PAN GRID AREA  
JASPER PROPERTY, VICTORIA M.D.**

**NTS: 092C 088**

**LAT: 48°52' LONG: 124°36'**

Report for Owner

**INSPIRATION MINING CORP.**

Report by:

**Arne Birkeland, P. Eng.**

**ARNEX RESOURCES LTD.**

Date:

**January 20, 2004**

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APPENDIX A: Statement of Expenditures – Statement of Work

APPENDIX B: Analytical Procedures and Certificates – Acme Analytical Laboratories

APPENDIX C: Geochemical Data Sheets – Soil and Rock Chip Samples

APPENDIX D: Contractor Time Records - Year 2003 Field Days

## **JASPER PROPERTY, VICTORIA MINING DIVISION**

### **1. SUMMARY**

A grid soil geochemical survey was conducted in the Pan Grid area on the Jasper Property. The soil grid was extended to the north, and some grid lines were also extended upslope to the east. The program was conducted during August and September, 2003 by Arnex Resources Ltd. for Inspiration Mining Corp. One hundred and twenty soil samples and four rock chip samples were taken.

The Jasper Property lies within close proximity to tidewater on west central Vancouver Island. An extensive logging road network provides cheap access to the area.

A +four km long northward striking extensive intense alteration zone is present within rocks mapped by the BCGS as lower Jurassic Bonanza group volcanics that underlie the property. Poly-metallic massive sulphide showings and soil/stream sediment anomalies are present within the alteration zone. Junior and Major Mining Companies have conducted a number of exploration programs on the Jasper, Tam and Pan Showing Areas since 1970. All prospects were consolidated under one ownership in 1994 and acquired by Inspiration Mining in 1995.

In 1998, an exploration program consisted of rock chip sampling of showings and mineralized float and grid soil geochemistry was completed at the South Pan Soil Grid. The grid detected numerous poly-metallic soil geochemical anomalies that indicate base metal mineralization is present within the intense alteration zone that partly underlies the soil grid. Poly-metallic geochemical anomalies trended northward beyond the grid.

In 2000, a soil geochemistry program extended the 1998 grid northward. As was similar to results from the 1998 South Pan Soil Grid, numerous poly-metallic soil geochemical anomalies were detected by the Pan Central and Pan North Grids, many of which were from orange coloured gossanous soils associated with the alteration zone.

In 2001, a similar geochemical program extended the Pan Grid to the north and south. Polymetallic base metal soil anomalies are present. Total length of the now established anomalous zone within the soil grid area is 1.6 km in strike length the anomalies are open up-slope and along strike.

In 2002 a reconnaissance style soil and stream sediment program was conducted to the north and south of the Pan grids along Caycuse Main logging road which extended the anomalies.

The grid soil geochemical program conducted in August and September, 2003 again established anomalies on the expanded grid. Polymetallic soil anomalies appear to be

clustered in generally two areas. In the North Pan Grid area, high soil values are present clustered between 2300 N and 2450 N within the drainage area of Camp Creek. High soil values are also clustered in the central portion of the Pan South Grid. Soil anomalies occur over a 2.8 kilometre distance on the combined Pan grids.

Additional grid soil geochemistry is recommended at the Pan Grid area as part of a phased program. Bedrock and surficial geology mapping should be completed to interpret the source for the geochemical anomalies. Appropriate grid geophysics should be conducted on high priority target areas. Prospecting and hand and/or mechanized trenching should be carried out to identify drill targets. Diamond drill targets should be prioritized and drilled on a phased program basis.

## **2. INTRODUCTION**

### **2.1. General**

Arnex Resources Ltd. conducted a 30 person-day field exploration program for Inspiration Mining Corp. on the Jas 1-3 and Jasmin 1-2 Mineral Claims. The fieldwork was conducted during the period August 27 to September 17, 2003 by a one to three person crew (APPENDIX D, Year 2003 Contractor Time Record).

One hundred and twenty soil samples and four rock chip samples were taken. Samples were dried and transported from the field by Arnex personnel and stored in a locked facility on Arnex's premises until the samples were hand delivered to Acme Laboratories Ltd in Vancouver for processing and analysis (APPENDIX B, Analytical Procedures and Certificates).

A total expenditure of \$33,368.10 was incurred as per APPENDIX A, Statement of Expenditures. A Statement of Work, Event Number 3201866, was filed at the Vancouver Sub-Recorders office dated October 28, 2003 and is included in APPENDIX A. The work was not conducted under an Annual Work Approval Number as no surface disturbance was caused.

### **2.2. Property Tenure**

The Jasper Claim group consists of the Jas 1 to 3 and Jasmin 1 and 2 Mineral claims that total 82 units (Table 1, Mineral Tenure by Owner, and Figure 2, Claim Location Map). The common expiry date of the claims is 2005-10-30. The property is 100% owned by Inspiration Mining Corp., Client Number 138196 (Table 1, Client Details).

Table 1

Ministry Home Government of British Columbia  
**Mineral Titles Tenure Search Results** Ministry of Sustainable Resource Management  
 Home News Search Reports & Publications Contacts

DATA last updated on January 19, 2004

<b>5 Matches</b>	<b>Criteria</b>	<b>Owner Number</b>	<b>Tenure Type</b>	<b>Tenure Status</b>
		138196	Mineral	Good Standing

Tenure Number	Claim Name	Owner Number	Map Number	Work Recorded To	Status	Mining Division
<a href="#">328705</a>	JAS 1	<a href="#">138196</a> 100%	<a href="#">092C088</a>	2005.10.30	Good Standing 2005.10.30	24 VICTORIA
<a href="#">331922</a>	JAS 2	<a href="#">138196</a> 100%	<a href="#">092C088</a>	2005.10.30	Good Standing 2005.10.30	24 VICTORIA
<a href="#">342740</a>	JAS 3	<a href="#">138196</a> 100%	<a href="#">092C088</a>	2005.10.30	Good Standing 2005.10.30	24 VICTORIA
<a href="#">342741</a>	JASMIN-1	<a href="#">138196</a> 100%	<a href="#">092C087</a>	2005.10.30	Good Standing 2005.10.30	24 VICTORIA
<a href="#">342742</a>	JASMIN 2	<a href="#">138196</a> 100%	<a href="#">092C088</a>	2005.10.30	Good Standing 2005.10.30	24 VICTORIA

To download this information to a comma delimited text file [click here](#).

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Shortcuts: [Main Menu](#) [Free Miner Search](#) [Tenure Search](#) [Lot Search](#)

Table 1

• Ministry Home • Government of British Columbia

**Mineral Titles**  
Free Miner Detail

Ministry of  
**Sustainable Resource Management**

Home News Search Reports & Publications Contacts



DATA last updated on January 19, 2004



## Client Number 138196

**Client Name** INSPIRATION MINING CORPORATION  
**Address** 305-1311 HOWE ST  
**City** VANCOUVER  
**Province** BRITISH COLUMBIA  
**Country** CANADA  
**Postal Code** V6Z2P3  
**Business Phone** (905) 8537400  
**Fax Number** (905) 8533558  
**E-mail Address** drmis@rogers.com  
**FMC Expiry Date** 2004.10.28  
**Owned Tenures** [38](#)

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Shortcuts: [Main Menu](#) [Free Miner Search](#) [Tenure Search](#) [Lot Search](#)

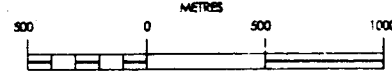
• Top • Copyright • Disclaimer • Privacy

• Feedback



LAST MAP UPDATE: 1999 JUL 16

ORIGINAL PRODUCED AT 1 : 20 000



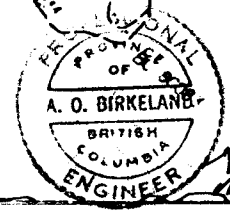
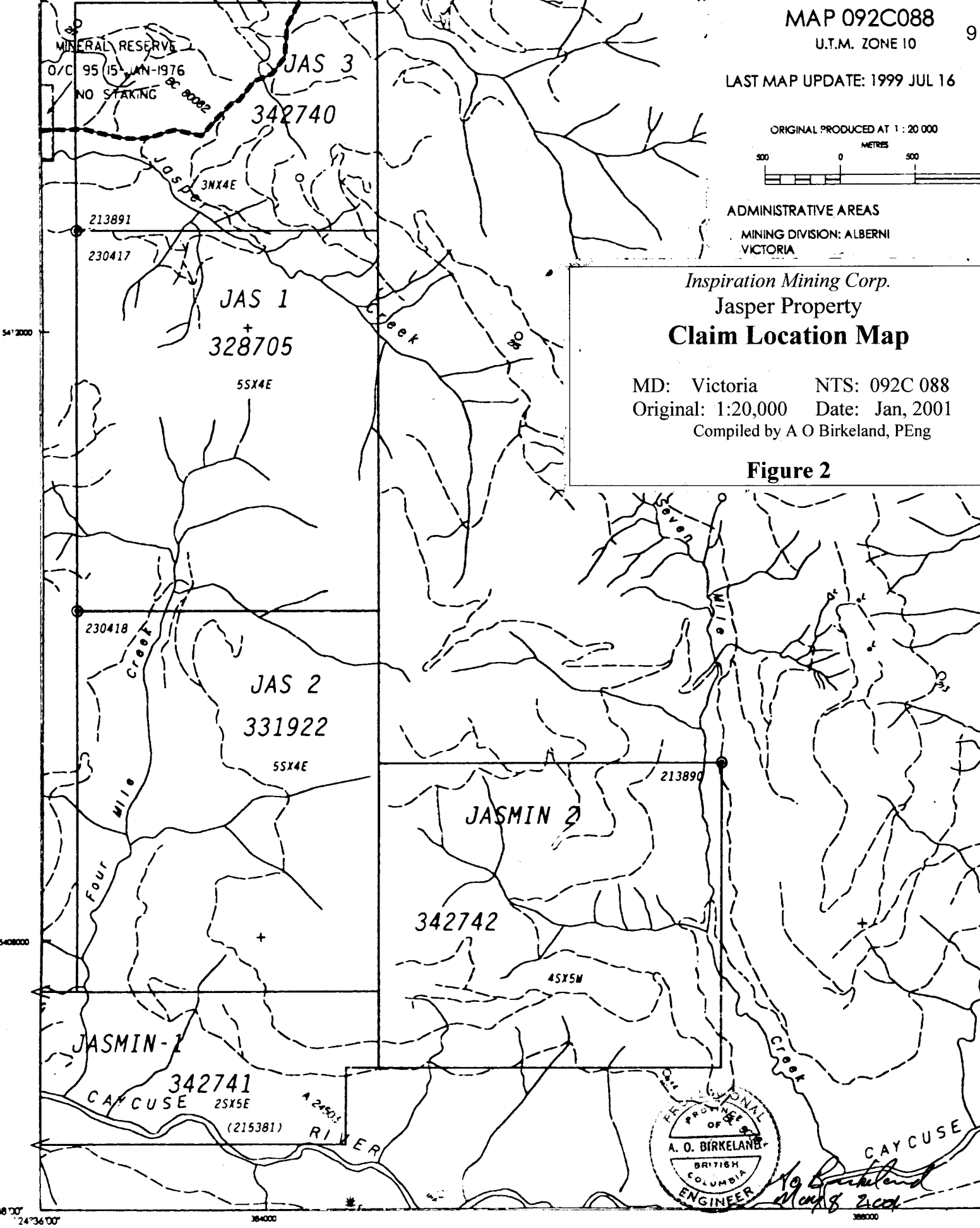
ADMINISTRATIVE AREAS

MINING DIVISION: ALBERNI  
VICTORIA

*Inspiration Mining Corp.*  
Jasper Property  
**Claim Location Map**

MD: Victoria      NTS: 092C 088  
Original: 1:20,000    Date: Jan, 2001  
Compiled by A O Birkeland, PEng

**Figure 2**



*A. O. Birkeland*  
21 Aug 2001

48° 48' 00"    24° 36' 00"

364000

398000

### **2.3. Location and Access**

The Jasper Property is located in BCGS Map Sheet 092C 088 (NTS 92C/15, Figures 1 and 2). The Jasper property lies along Four Mile Creek and extends over the height of land to the tributaries of Jasper Creek. Logging road access is via Port Alberni or Cowichan Lake. J Branch road accesses the northern portion of the property and Caycuse Main the southern portion. Access roads are plotted on Figure 5, Minfile – Lakes, Rivers and Roads.

Steep incised drainages with rugged relief to approximately 300 meters (m) characterize the physiography of the area. Much of the region has been logged in recent years and young second growth forest is present over most of the claims. Climatic conditions are temperate.

## **3. HISTORY**

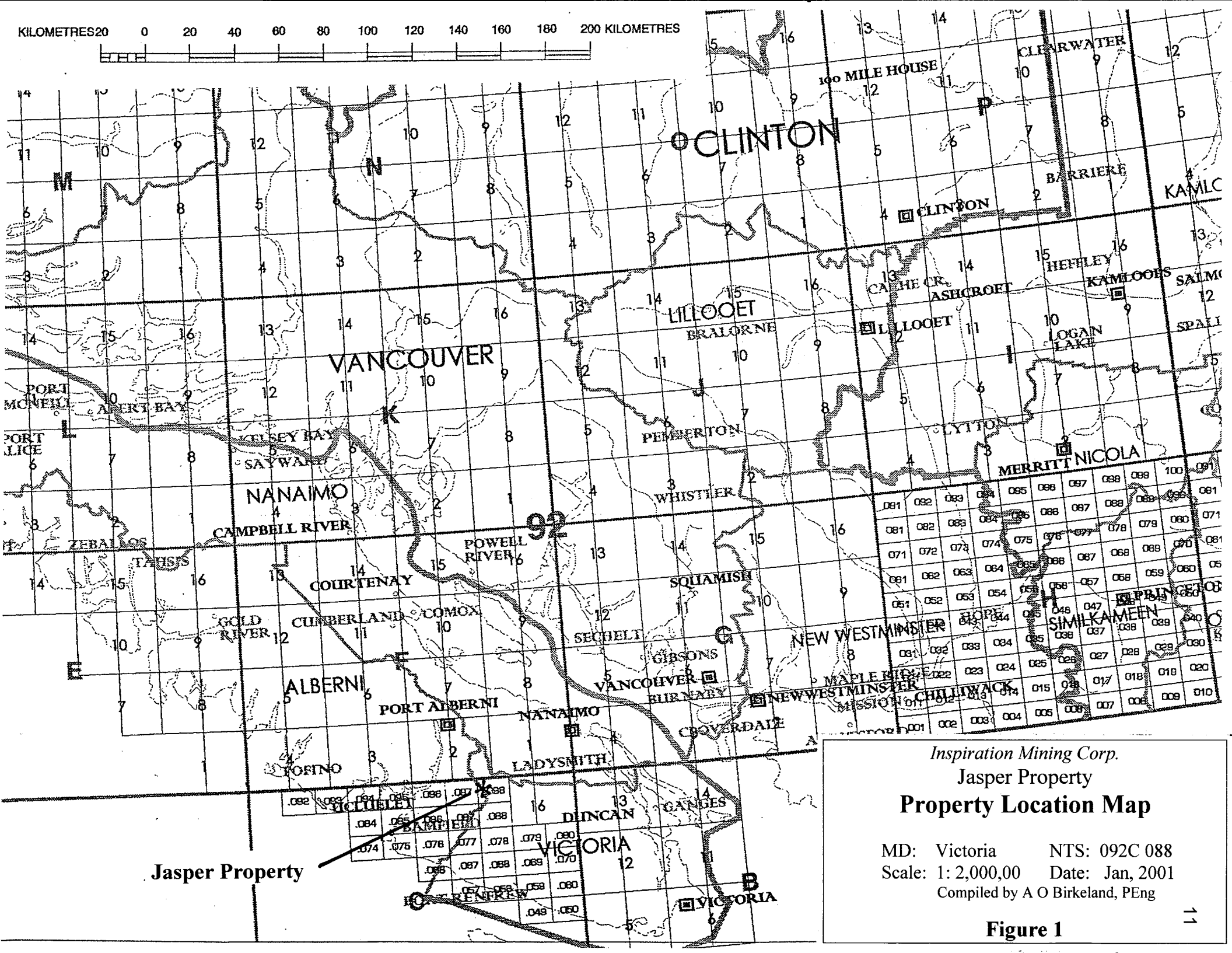
The Jasper Property consists of three former Minfile occurrences known from north to south as the Jasper 1 (092C 080), Tam 16 (092C 081) and Pan-Easy (092C 088) prospects.

The Tam and Easy properties were previously staked by Hudson Bay Mining and Smelting who conducted geological mapping, soil and rock chip geochemistry and an IP geophysical survey in 1970 and 1971. Also in 1971, Marshall Creek Copper conducted an extensive soil sampling program on the Pan, Easy and Tam properties. It is reported that Noranda conducted a regional magnetic survey during this era, but no information regarding the results were filed as a matter of public record.

The next period of exploration activity occurred in 1980 and 1981 when Malibar Mines conducted soil sampling on the Jasper Property. Also in 1980, Umex Corporation conducted a grid geochemical soil sampling program on the Easy prospect. Claims covering the Jasper prospect were eventually forfeited.

In 1984, a prospecting program was carried out by Ron Bilquest on the Jasper prospect and the J-Branch Main Zone massive sulphide showing was found in recently constructed roadcuts. The claims were restaked and optioned to Falconbridge Limited who conducted geological mapping, soil and rock geochemistry and a VLF-EM program. It is reported that Falconbridge did additional work during 1985 including packsack diamond drilling, but no Assessment Report was filed. Asamara Inc. then conducted a brief geology, soil sampling and VLF-EM program in 1987. The Jasper claims eventually lapsed following a negative recommendation by Asamara's consultant and a general lack of exploration interest in BC at the time.

KILOMETRES 20 0 20 40 60 80 100 120 140 160 180 200 KILOMETRES



Jasper Property

Inspiration Mining Corp.  
 Jasper Property  
**Property Location Map**







MD: Victoria      NTS: 092C 088  
 Scale: 1: 2,000,00      Date: Jan, 2001  
 Compiled by A O Birkeland, PEng

Figure 1

# Minfile - Lakes, Rivers, Roads 12


**Mineral Inventory Layers**

**MINFILE status**




-  Developed Prospect
-  Past Producer
-  Producer
-  Prospect
-  Showing
-  All Others

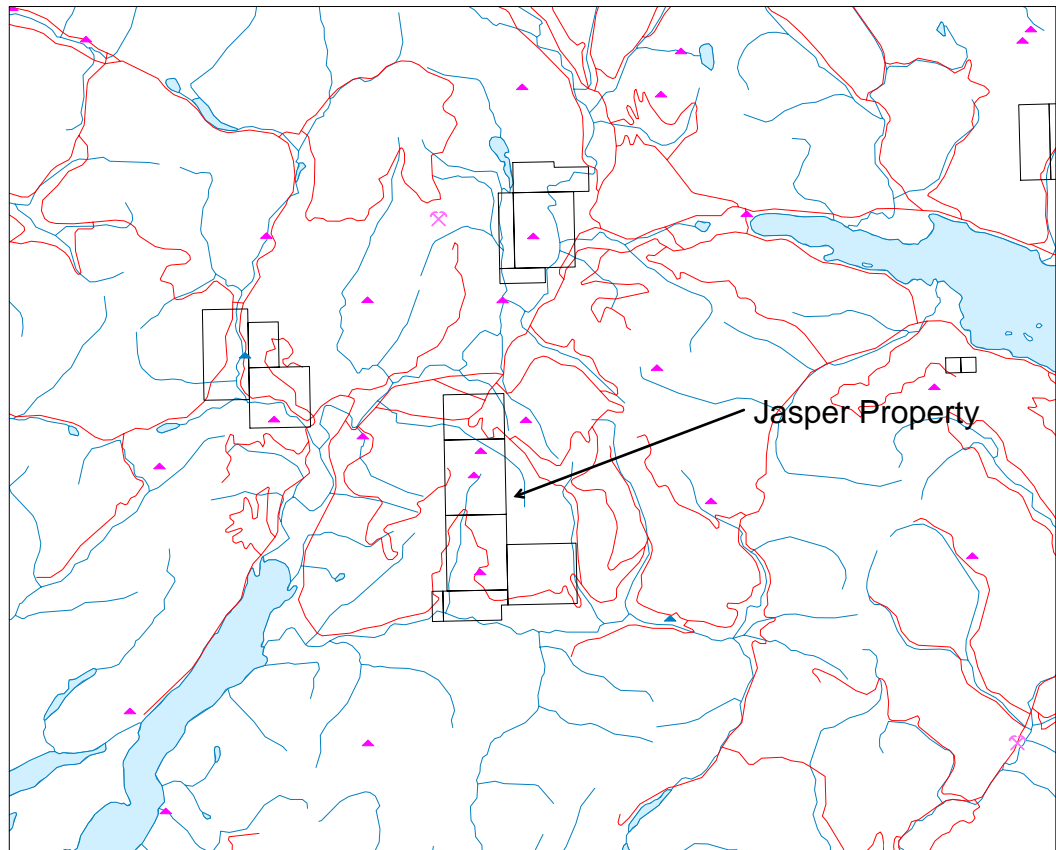
**Mineral Titles Layers**

**Mineral titles outline (<1M)**

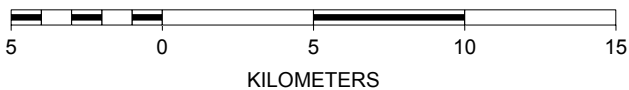
-  All Others

**Topographic Layers**

-  Roads 1:250K (<2M)
-  Lakes 1:250K (<2M)
-  Rivers 1:250K (<2M)



SCALE 1 : 250,000



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Date:  
 Jan 20, 2004

Figure 5

The Jasper claims were relocated by Arne O. Birkeland in the summer and fall of 1994, who also staked claims covering the Tam, Easy and Pan prospects when existing claims were allowed to forfeit. This was the first time all the prospects were consolidated under one ownership. A detailed geologic mapping and sapling program was carried out in August, 1994 on the J Branch Main Showing.

The Property was optioned in 1995 to Consolidated Taywin Resources Ltd., (now Inspiration Mining Corp.) who acquired the Property outright by way of a Bill of Sale, Event Number 3086088 dated May 9, 1996. A geological, geochemical and geophysical program was carried out between December, 1995 and June 1996 by Arnex Resources Ltd, as operator for Inspiration Mining Inc in the vicinity of the Jasper Main Showing area. Diamond drill targets were identified and additional work was recommended.

A rock and grid soil geochemical program was carried out in the vicinity of the Pan Road Showing by Arnex Resources Ltd for Inspiration Mining Corp during December, 1998. A poly-metallic soil anomaly was discovered trending northerly off the soil grid. Four outcrop showings were sampled that returned values ranging from 2%-4.9% Cu, 4.5%-17% Pb, 18%-32% Zn with up to 76.8 ppm Ag and 315 ppb Au over widths between 0.36 metre to 2.1 metre.

In 2000, and again in 2001, grid soil sampling extended the 1998 grid to the north and south. Numerous poly-metallic soil geochemical anomalies were identified. Orange coloured gossanous soils associated with the alteration zone are present in the anomalous areas. Anomalous values were established over a 1.6 kilometre strike length within the grid area by extensive soil anomalies greater than the 99<sup>th</sup> percentile that are open up-slope to the east.

In 2002, a total of 69 reconnaissance style soil and stream sediment (moss mat) samples were taken during a ten person-day geochemical program conducted by Arnex during October, 2002. Caycuse Main logging road was used as access. Orthophoto mosaic and Orthophoto topographic maps were used as survey control.

Seven Cu, six Zn, two Pb, and eleven Ag values greater than the 99<sup>th</sup> percentile were detected from the soil sampling to the north. Samples taken directly north of the Pan North Grid were moderately anomalous and values ranged between 108 to 126 ppm Cu with Zn ranging from 205 to 268 ppm. Soil samples approximately 200 to 550 m north of the Pan North Grid become more anomalous going to the north. The most northerly samples are still strongly anomalous in Cu and Zn indicating the anomaly is still open to the north.

Soil samples were also taken from road-cuts of Caycuse Main logging road going south from the Pan South Grid. Base metal values are not anomalous from soil samples taken for the first approximately 650 metres to the south from the Pan South Grid. Over the next 225 metres, four soil and talus fine samples were strongly anomalous and ranged between 250 – 771 ppm Cu, 103 – 853 ppm Zn and up to 1.2 ppm Ag. Soils and fines were variably altered and gossanous in this area. Sampling continued for a distance of

approximately one kilometre to the south. Numerous samples returned anomalous values for base metals. Eight samples were greater than the 99<sup>th</sup> percentile and three samples ranged between 499 to 605 ppm Cu. Four samples exceed the 99<sup>th</sup> percentile for Zn with the highest value being 343 ppm Zn.

## **4. GEOLOGY**

### **4.1. Regional Geology**

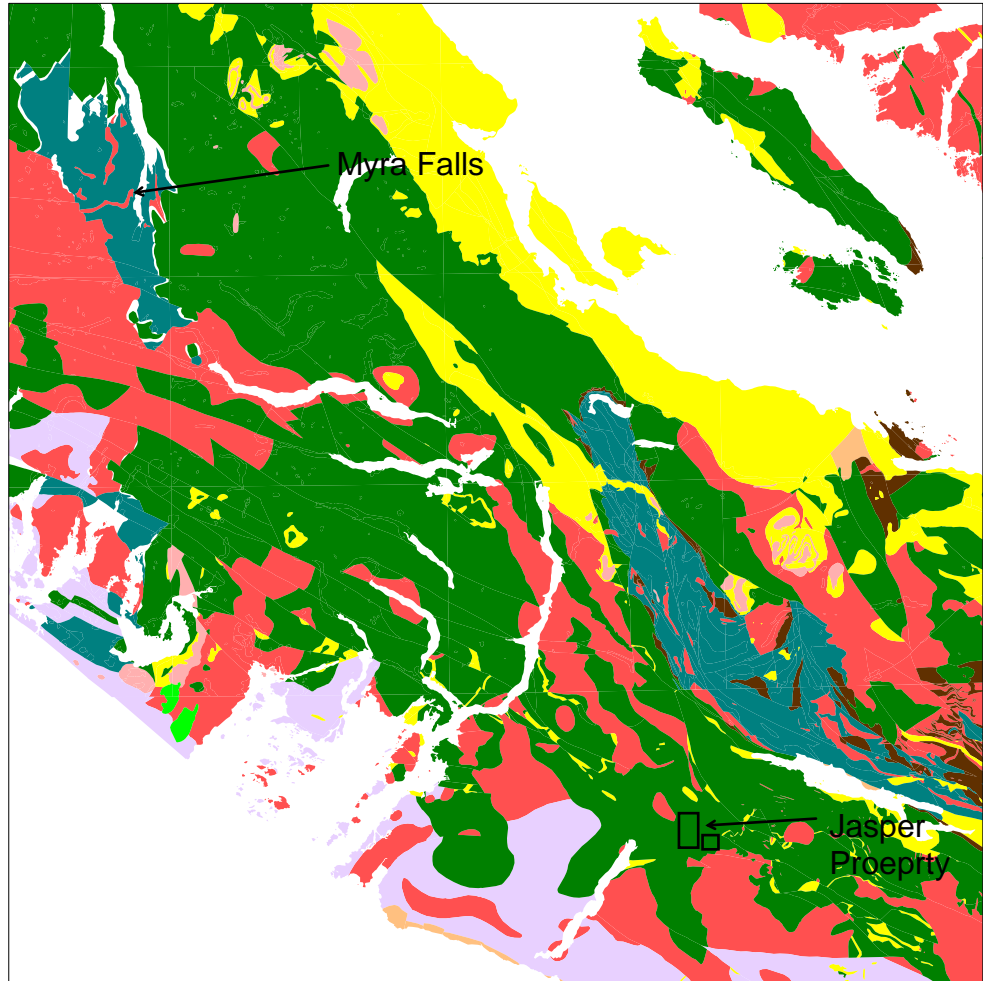
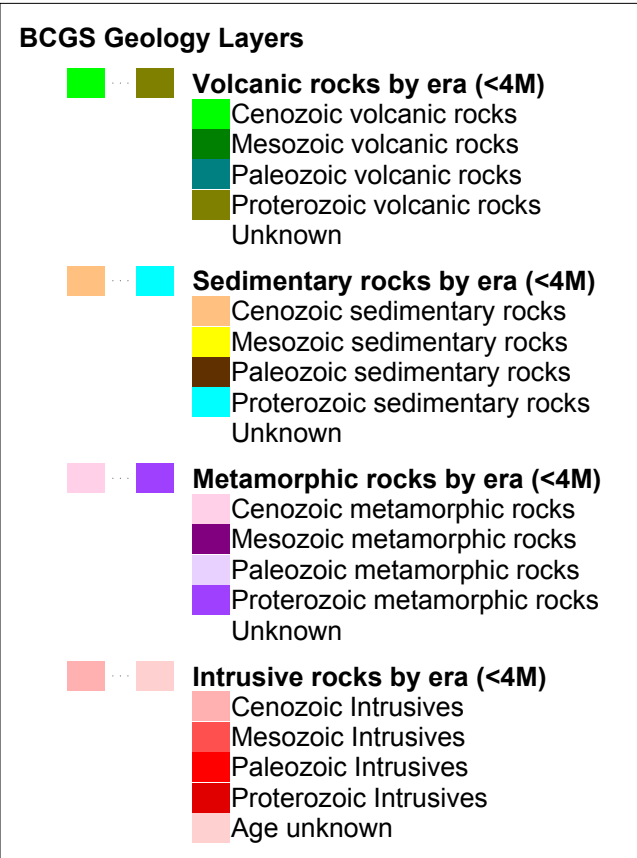
Vancouver Island lies within the Canadian Cordillera within terrain classified as Wrangellia. Central and western Vancouver Island is predominantly underlain by Paleozoic and Mesozoic strata intruded by Jurassic and Tertiary Intrusions (Figure 3, BCGS Geology Map – Southwester Vancouver Island).

The Jasper property is hosted in a belt of rocks mapped as lower Jurassic Bonanza group which trends southeasterly from Nitinat Lake through Gordon River, south of Cowichan Lake.

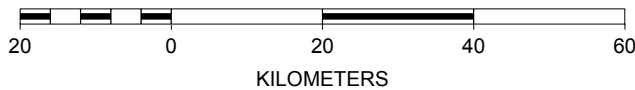
The Bonanza Group in this vicinity consists of a variety of maroon to grey-green, feldspar phyric basalt and andesite flows, dacite and felsic lapilli tuff containing various minor gabbro, andesite and dacite dykes. There is a lack of lithologic continuity and distinct marker beds are absent. In the basal part of the sequence, sedimentary rocks are found interbedded with lapilli and crystal tuffs and a sub-aqueous environment is indicated.

Several granodiorite Island Intrusion stocks occur in the area. The coeval stocks are regular to elongated in shape with steep sides. The major lithology is granodiorite to quartz-diorite and most of the stocks are rich in mafic inclusions, particularly in marginal zones where magmatic intrusive breccias are developed. Stocks are rounded in outcrop shape. Numerous RGS anomalies and Minfile occurrences (Figure 5, Minfile, Lakes, Rivers and Roads) are present in the general Nitinat - Cowichan area and both porphyry and VMS style mineralization has been reported by BCGS geologists. Porphyry style Cu-Mo occurrences are commonly associated with high level sub-volcanic dykes and sills. The Debbie - Lizzard - Thistle VMS belt occurs in the northern portion of the region hosted in rocks mapped as Sicker Group. Massey and Friday note VMS stratigraphic mineral potential where reported "sulfidic argillites are found interbedded with tuffs" in the basal part of the Bonanza sequence in the Alberni - Cowichan area.

The potential for finding undiscovered metallic mineral deposits for the tract underlying the Jasper Property is classified as being Highest by the BCGS Mineral Potential Program ranking system.



SCALE 1 : 1,000,000



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Date:  
 Jan 20, 2004

Figure 3

## **4.2. Local Geology**

The Jasper property is underlain by mafic to felsic volcanic rocks that have been previously mapped as Bonanza group (Figure 4, Local Geology, Jasper Area). The central part of the property is underlain by a north-south trending sequence of intermediate flows and flow breccias that are flanked to the east by mafic flows. A wedge shaped body of felsic flows overlies the mafic rocks to the east. Felsite dykes intrude the intermediate and mafic volcanics and are likely feeders to the younger felsic flows. Often the intermediate and mafic flows and flow breccias are massive and bedding orientation is impossible to determine. Local foliation is oriented north-south.

Other than dykes and sills feeding the volcanic pile, and possible Tertiary “Catface” dykes and sills, no major intrusive bodies are known to occur on the Property.

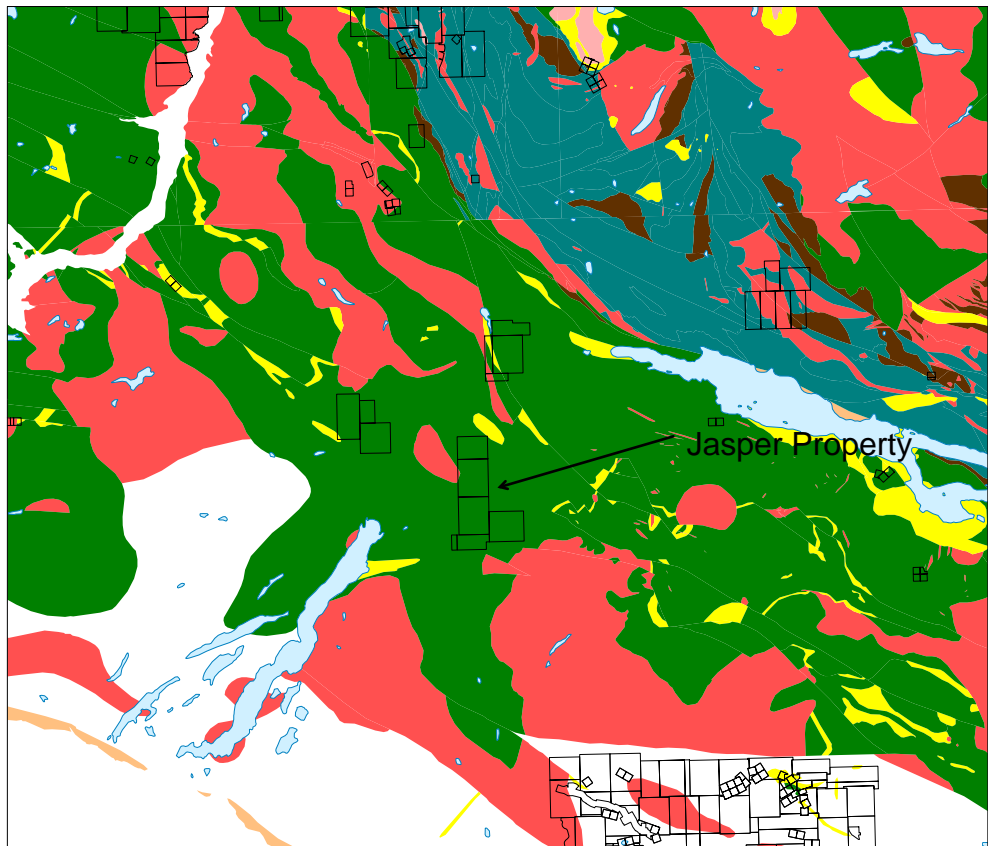
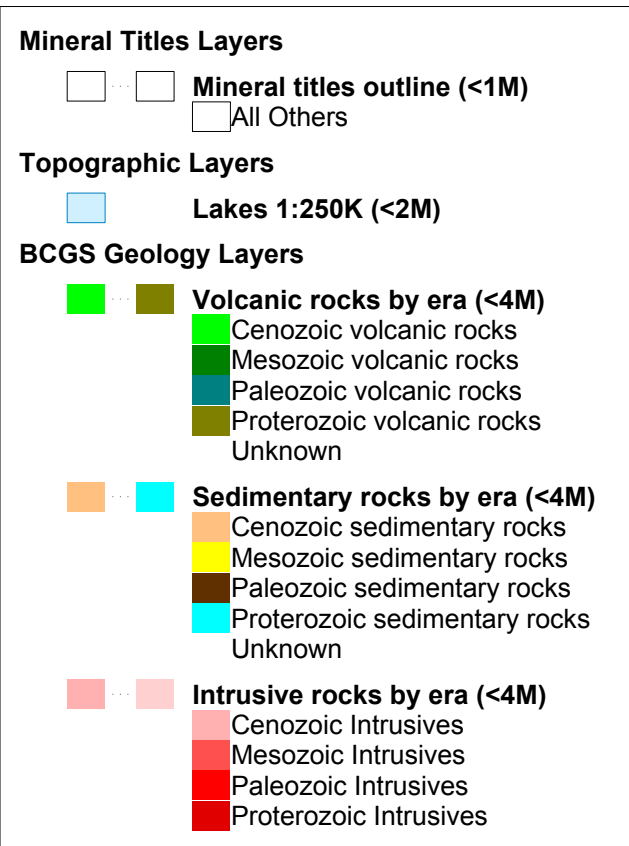
## **4.3. Structure and Alteration**

A late major fault suture cuts Vancouver Island from the mouth of the Carmanah River on the West Coast to Qualicum Beach on the East Coast. The Pan and Tam occurrences along Four Mile Creek and the J Branch Main Showing on Jasper Ridge occur along this major fault structure. A north trending gossanous alteration zone with a strike length greater than 4 kilometers underlies the Jasper Property along the fault from the Caycuse Creek drainage in the south to the Nitinat Valley in the north. The alteration zone is characterized by moderate to intense argillization and silicification accompanied by ubiquitous pyrite flooding. The alteration zone is generally concordant with the foliation and stratigraphy throughout its strike length. Based on the huge volume of intensely altered rock present, a very major period of hydrothermal activity has taken place along the strike length of the system. The Jasper and Pan Grid areas are partially underlain by the intense alteration zone. On the Pan Grid area and along the logging road to the north, gossanous ferrocrete (and till) commonly overlie the alteration zone and have the effect of “masking” residual soil anomalies. Steeply dipping, cross cutting, north trending fractures, shears and fault gouge zones are prevalent within the alteration zone and form the recessive valley containing Four Mile Creek. Coincident narrow fault and fracture zones often emanate as a conjugate set at right angles to the main north trending fault system and control second order drainages that are the side creeks of the main Four Mile Creek drainage system.

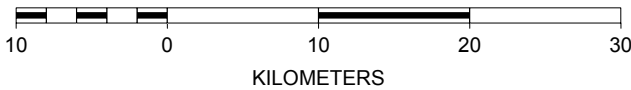
Offsets of all structures are not known as units have not been mapped across structures. Local brittle faulting commonly causes minor offsets to massive sulphide lens in outcrop.



# Local Geology - Jasper Area



SCALE 1 : 500,000



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 Corp

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 Jan 20, 2004

Figure 4

#### **4.4. Mineralization**

Six high-grade Cu, Zn +/- Pb sulphide showing areas have been sampled by the Arnex-Inspiration programs carried out to date.

The two showings of principle interest are the Jasper J-Branch Main Showing and Pan Road Showing.

##### **4.4.1. Mineralization – Description – J-Branch Main Showing**

At the J-Branch Showing, semi-massive to massive pyrite, chalcopyrite, sphalerite and minor galena outcrops in logging road-cuts on Jasper Ridge. Two massive sulphide bands of true width between 0.4 and 1.3 metres separated by 5 metres of chloritic mafic volcanics outcrop over a strike length of 44 metres.

Twelve channel samples were taken during the 1994 program from the massive sulphide lens that returned a weighted average grade of 2.1% Cu, 3.2% Zn and 304 ppb Au over an average true width of 0.8 metres.

The mineralization consists of 70% to 90% pyrite, 5% to 20% sphalerite, 1% to 5% chalcopyrite and minor amounts of galena. The sulphides are medium to coarse grained and commonly display crude banding imparted by compositional and textural variations. In places, large crudely banded massive sulphide fragments and volcanic wallrock fragments are contained within a finer grained massive sulphide matrix.

The mineralization is hosted in feldspar phyric mafic flows. The massive sulphide bands are generally concordant to jointing, and to the contact between intermediate and mafic volcanic units.

Although the massive sulphide bands are commonly offset by north and northeast trending fractures and small displacement faults, there is good continuity to the mineralization over its exposed 44 metre strike length. The southeastern strike extension of the mineralization is covered by till which contains blocks of semi-massive to massive sulphides. The northwest strike extension is covered by colluvium and trends down the slope towards Zinc Creek.

##### **4.4.2. Mineralization – Description – Pan Road Showing Area**

Two showings outcrop in Caycuse Main road-cuts at the Pan Road Showing.

At the northern showing, massive stringer style mineralization is present in a crosscutting sheared alteration zone. The up-slope trend of the zone is covered by ferrocement and

gossanous till that returned highly anomalous soil geochemical results and the down-slope trend is covered by the roadbed.

A composite weighted interval across the stringer zone returned the following values of 4.6% Cu, 17.4% Zn and 152 ppb Au over a true width of 2.0 metres.

Of geological significance is a massive sulphide layer emanating from the stringer zone that is exposed in the road-cut over a strike length of approximately 30 metres. The massive sulphide band consists of coarse “black-jack” sphalerite containing lesser amounts of galena. The sulphide layer is hosted in, and is concordant to, argillically altered intermediate flows and tuffs. The sulphide band is faulted off to the south by a second crosscutting stringer zone containing anomalous base metal values. A channel sample across the sphalerite layer assayed 16.2% Zn and 2.7% Pb over 0.25 metres.

At the southern Pan Road Showing, a massive sulphide lens outcrops in the logging road-cut and roadbed. Massive sphalerite and galena occur in highly argillically altered and pyritized mafic (?) flows. The up-slope eastern extension of the lens is faulted off. The massive sulphides outcrop in the roadbed and then are covered by road-fill on the western down-slope trend of the zone.

The massive sulphides occur as massive sphalerite and galena containing up to 5% chalcopyrite. The sulphides are capped by a thin 0.25 metre thick calcite (barite?-chert) exhalite horizon. A 2.0 metre massive sulphide boulder on the west side of the road also has a calcite (barite?) exhalite cap preserved intact. A representative channel sample across the sulphide lens assayed as follows 22.3% Zn, 17.2% Pb and 2.1% Cu over 1.9 metres.

Semi-massive sulphide boulders containing up to 1.5% Cu are present at location 1350N, 975E.

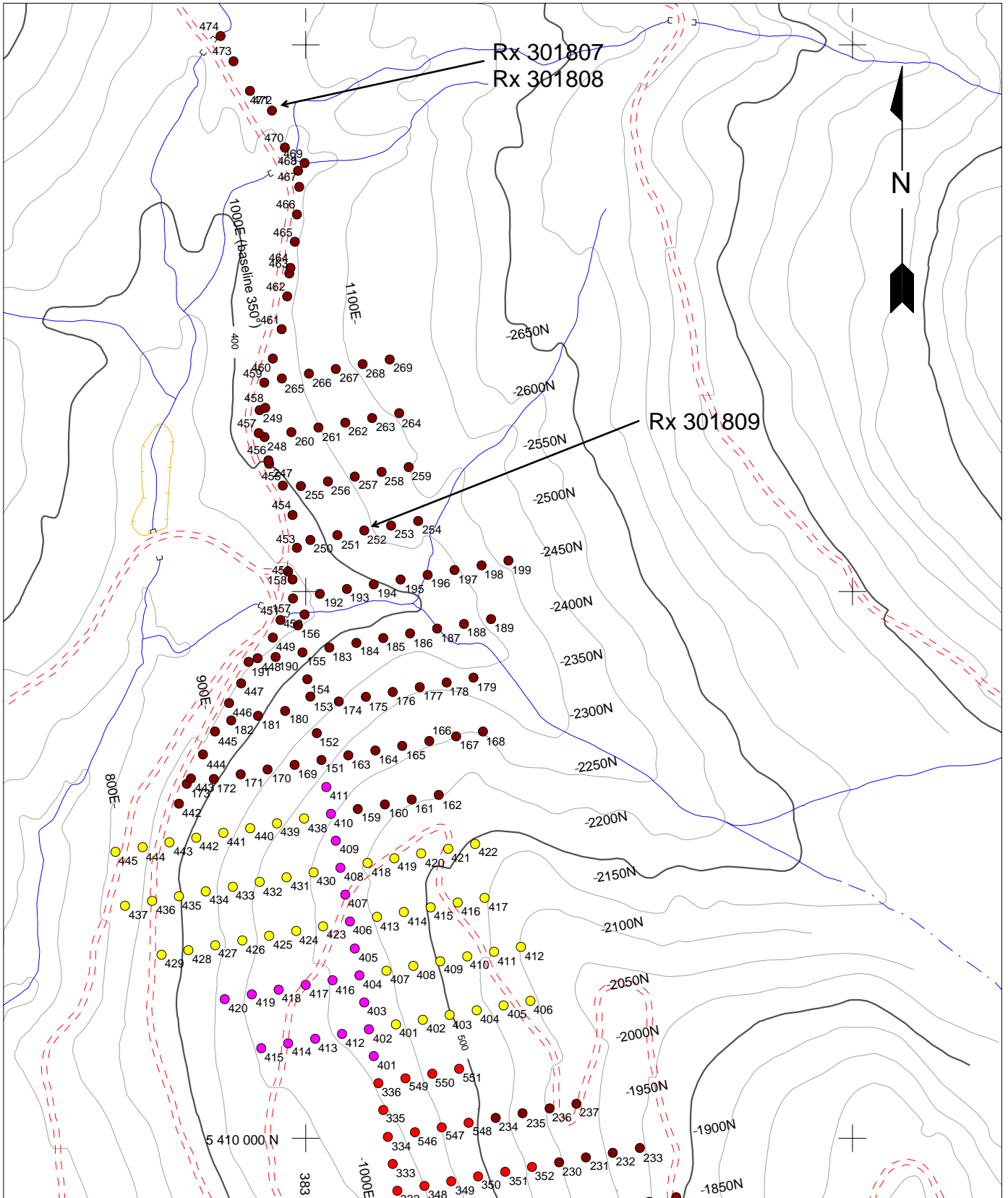
Two narrow massive pyrite - chalcopyrite lenses occur at the 465 m elevation level on the spur road 100 m east of the Pan Road Showing and probably represent the strike extension of the Pan zone.

## **5. 2003 GEOCHEMISTRY PROGRAM – NORTH PAN AND SOUTH PAN GRID EXTENSIONS**

A 30 person-day grid geochemical exploration program was conducted during August and September, 2003 by Arnex. The program extended the Pan North Grid to the north and expanded the Pan South Grid upslope to the east. One hundred and twenty soil samples and four rock chip samples were taken over approximately 3.75 line-kilometres of grid. Results are tabulated on Table 2, Soil Analytical Results and on Table 3, Rock Analytical Results. Soil Location Maps and Symbol Plot Maps for selected elements are presented as noted on the referenced Figures.

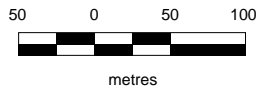






Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Series Prefix

- 100
- 98
- 210
- 190
- 739

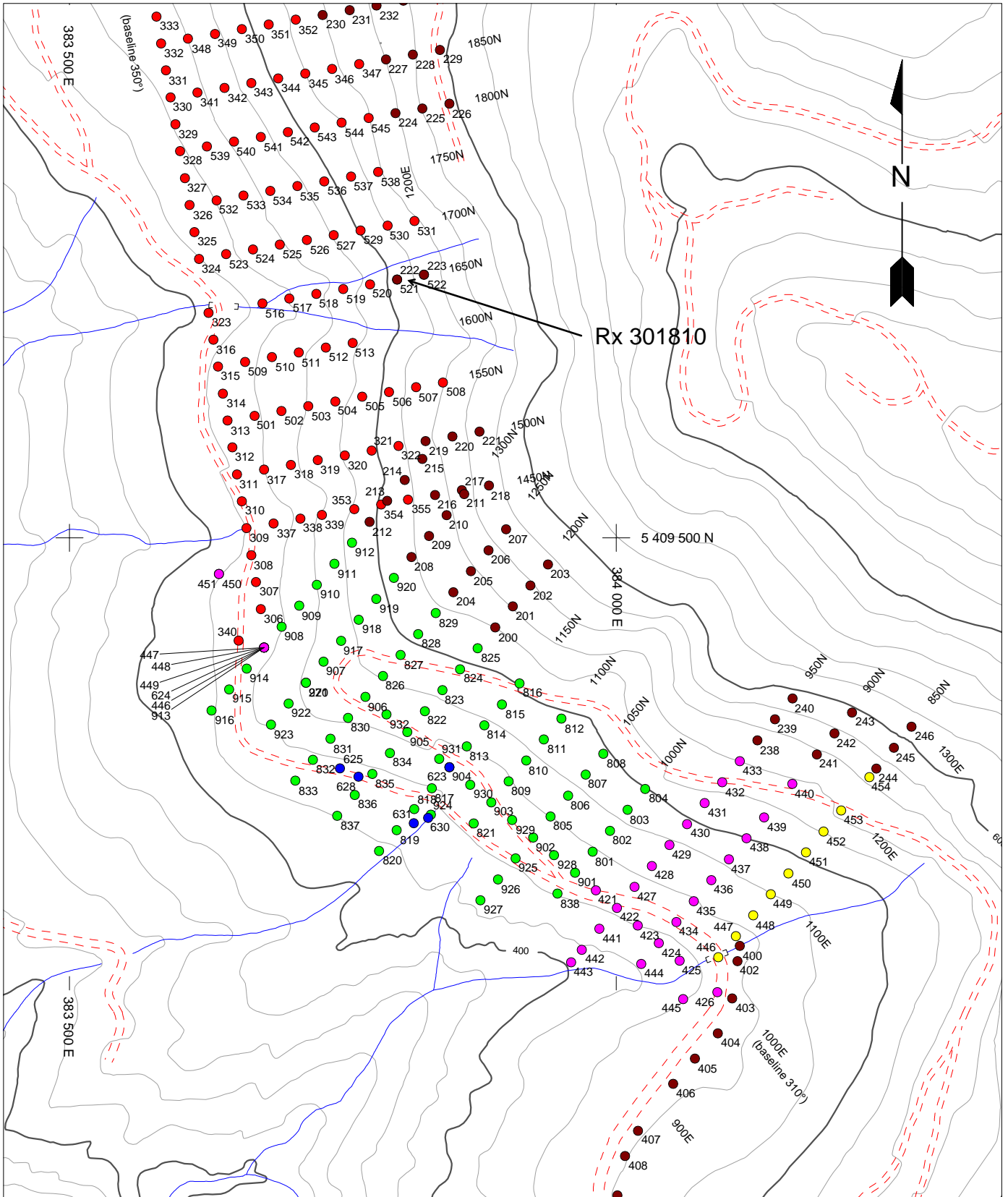
**Inspiration Mining Corp  
 Jasper Property**

Sample Location Map  
 North PAN Grid

October 2003

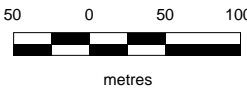
Fig: 22

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Amex Resources Inc.



Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Series Prefix

- 100
- 98
- 301
- 210
- 190
- 310
- 739

**Inspiration Mining Corp**  
**Jasper Property**  
 Sample Location Map  
 South PAN Grid

October 2003

Fig: 23

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arnex Resources Inc.

Sample Locations and Results from previous grid soil programs in the Pan Grid Area are also plotted so that the 2003 anomalies could be interpreted in conjunction with historical results. The 2003 soil samples include all grid samples with the prefix 739---; however samples with the prefix 739--- that were taken along Caycuse Main logging road to the north and south of the Pan Grid Area are from the 2002 program (Figures 22, 23, Sample Location Map).

### **5.1. Soil Geochemistry - Pan North Grid**

At the North Pan Grid (Table 1, Pan Soil Grid – Year 2003 Program – Soil Sample Analytical Results, Figures 22, 25,28,31,34, and 37), there is a cluster of strongly anomalous soils flanking an east-west drainage locally known as Camp Creek. The polymetallic anomalies are located between 2300 N to the northernmost grid line at 2650 N and are contained generally between the baseline (1000 E) and 1150 N. There are four Cu values >640 ppm, two Pb values >900 ppm and Ag values up to 3.7 ppm in the cluster of anomalies at the Pan North Grid. Most anomalous samples are polymetallic and show elevated Cu, Zn and Pb values.

Values of 1,161 ppm Cu, 1,464 Pb, and 592 ppm Zn occur at Sample Location 739188 in gossanous soils containing angular rusty pyritic fragments. On the adjacent line to the north, Sample 739196 returned values of 664 ppm Cu, 403 ppm Zn and 337 ppm Pb. These samples are located in the vicinity of the junction of Camp Creek and gossanous soils and altered rusty pyritic volcanics outcrop in some creek-banks. Follow up prospecting and grid geophysics is recommended for this area.

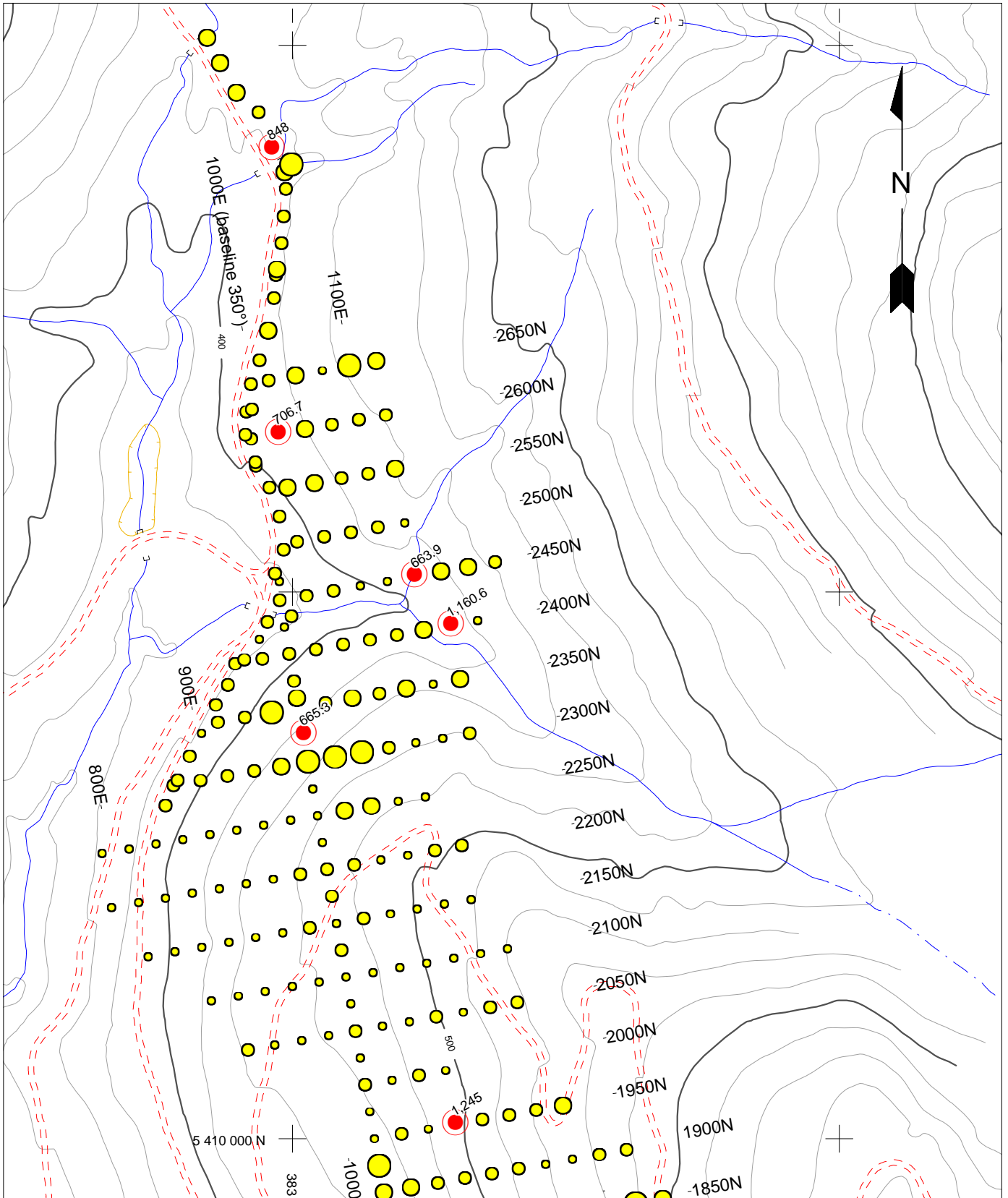
Another specific locality of interest is the adjacent sample sites on the Baseline at 2300 N. Values of up to 1,111 ppm Pb and 665 ppm Cu are present in gossanous soils containing altered pyritic volcanic float. Follow up work is recommended for this area also.

The large polymetallic anomaly on the Pan North Grid is generally cut-off up slope but extends to the northernmost grid line at 2650 N. The grid should be extended to the north at least to Sample 739470 from the Pan North Road survey that returned 848 ppm Cu and 298 ppm Zn.

### **5.2. Soil Geochemistry - Pan South Grid**

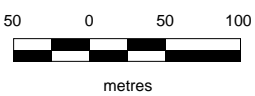
During the 2003 program, the 50 metre by 25 metre grid was extended upslope to the north above the anomaly at lines 1200 N to 1500 North. Three lines were also extended upslope on lines 850 N to 950 N. Location and symbol plots for selected metals are contained in Figures 23,26,29,31,34, and 37, and values are shown in Table 2, Pan Soil Grid – Year 2003 Results.





Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Cu in ppm



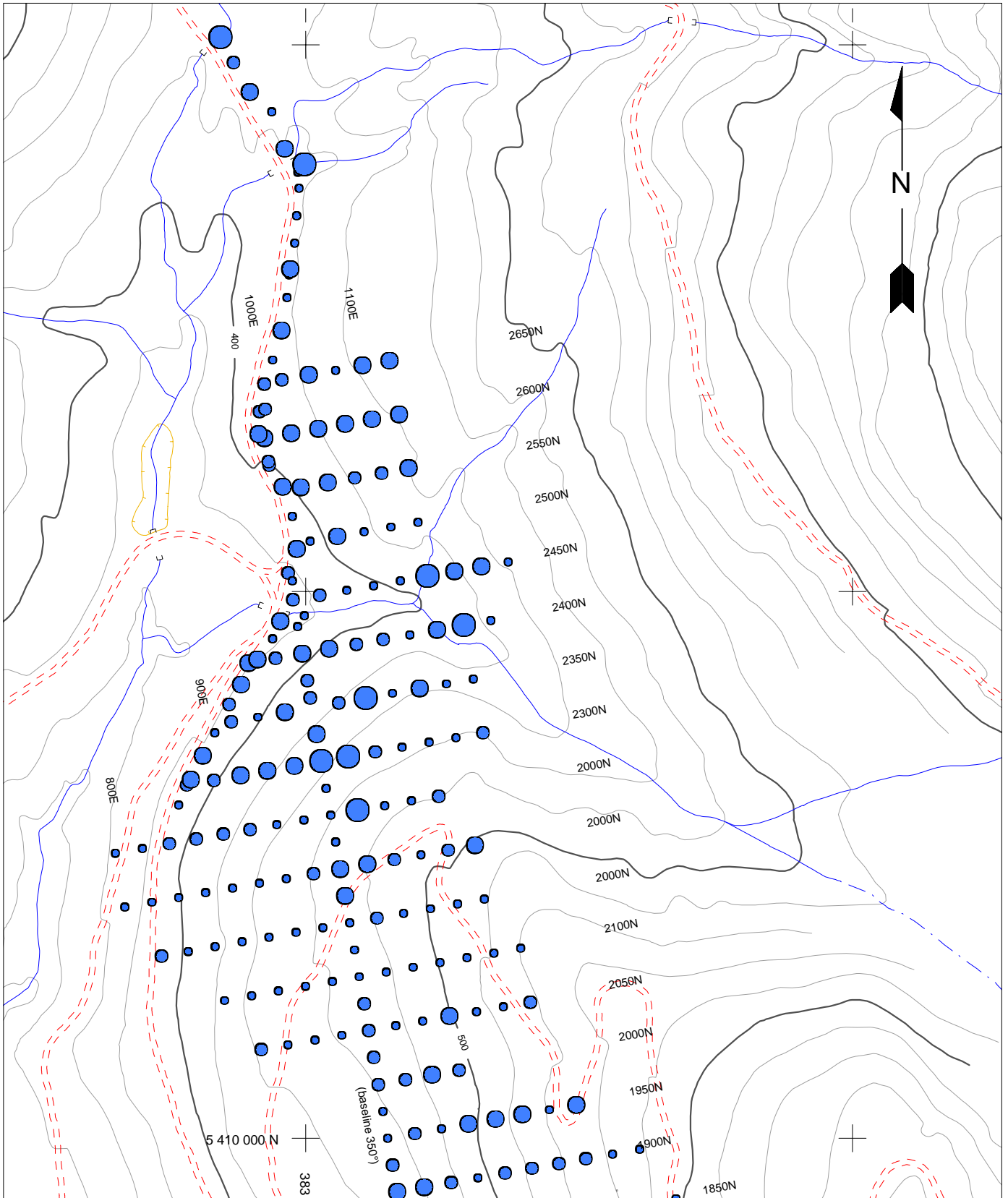
**Inspiration Mining Corp  
 Jasper Property**

Copper in Soils  
 North PAN Grid

October 2003

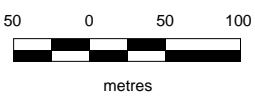
Fig: 25

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arrex Resources Inc.

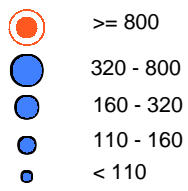


Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Zn in ppm



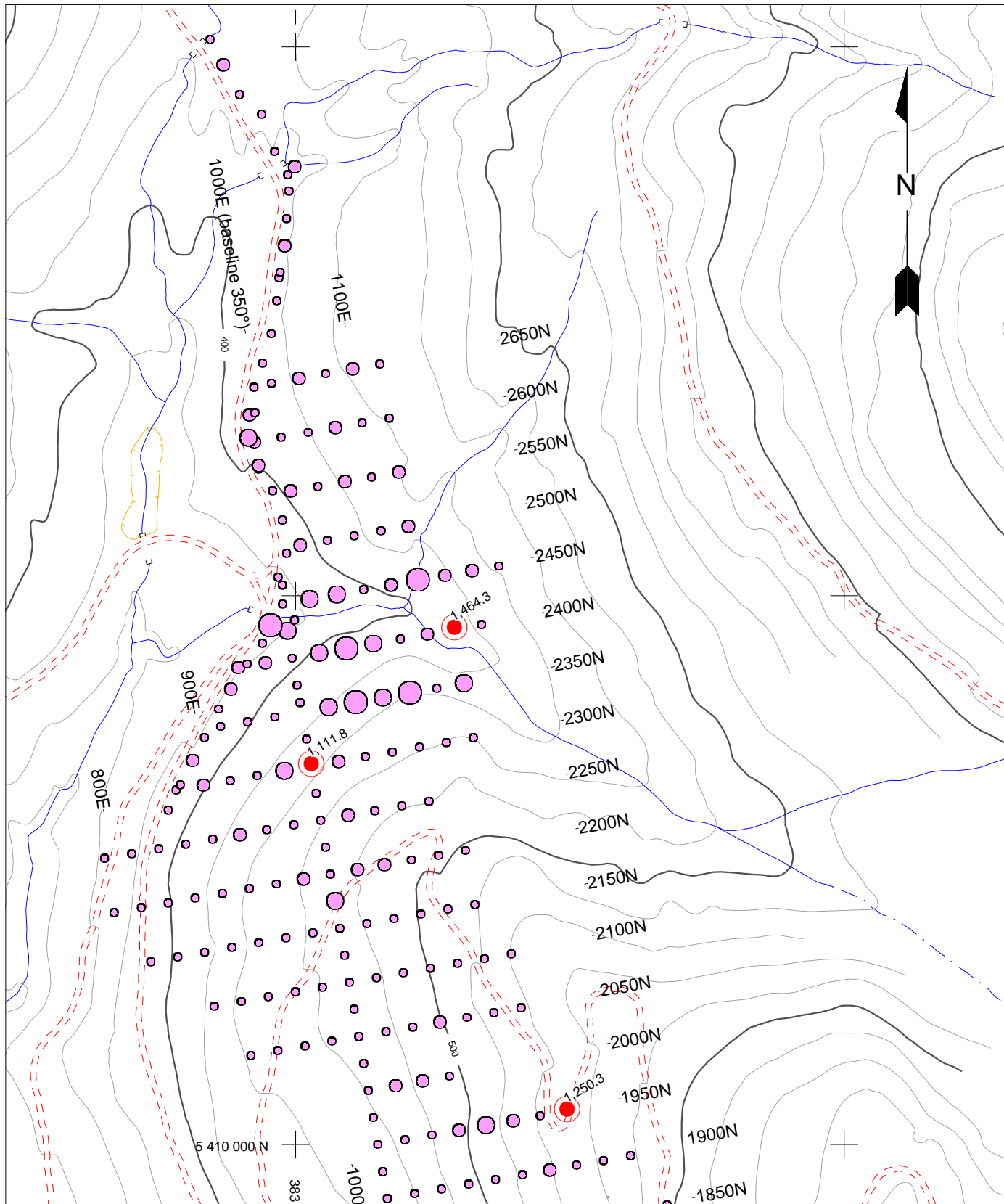
**Inspiration Mining Corp  
 Jasper Property**

Zinc in Soils  
 North PAN Grid

October 2003

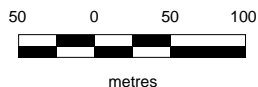
Fig: 28

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arrex Resources Inc.

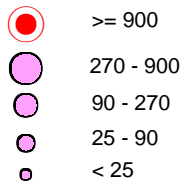


Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Pb in ppm



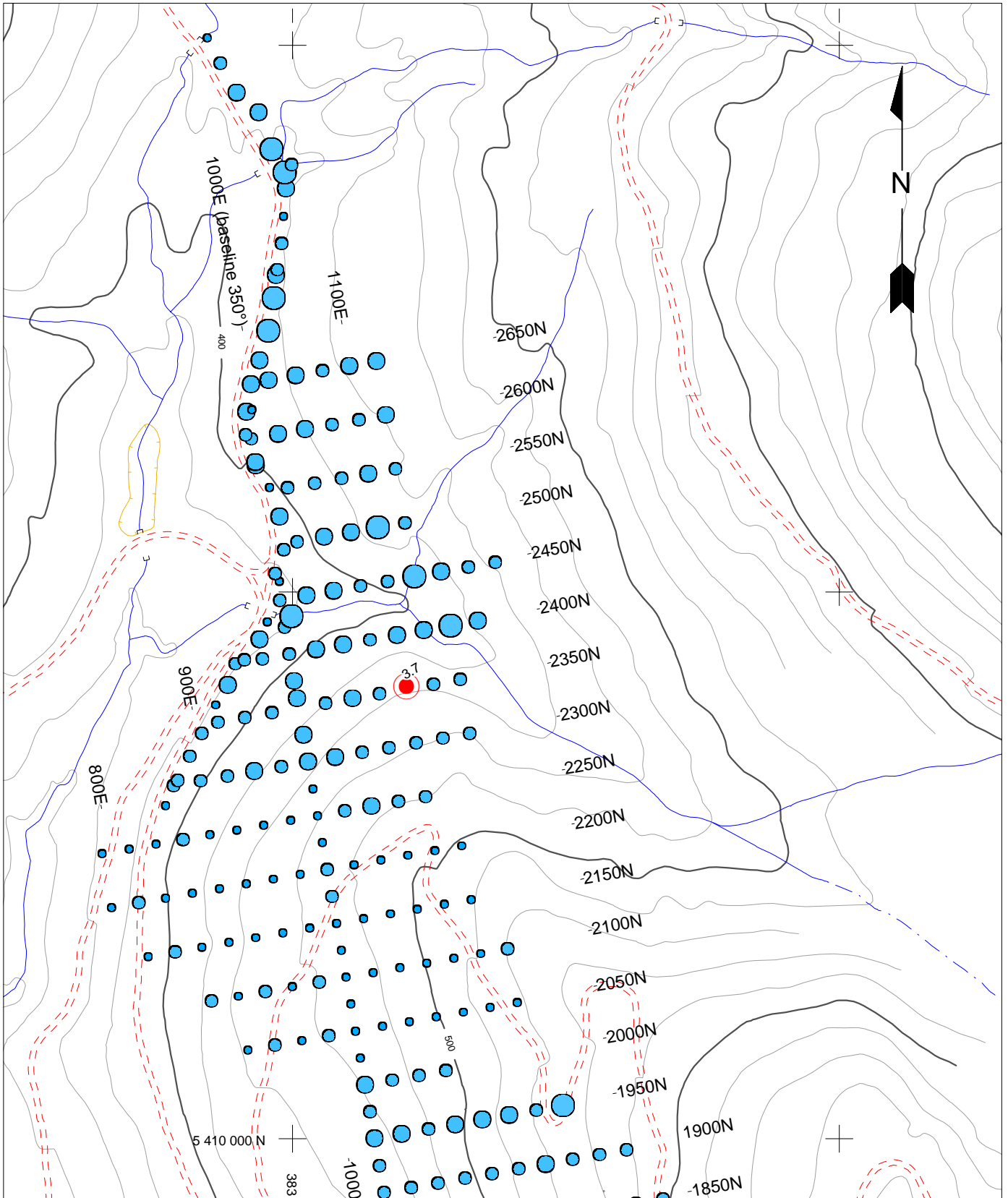
**Inspiration Mining Corp  
 Jasper Property**

Lead in Soils  
 North PAN Grid

October 2003

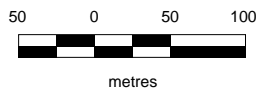
Fig: 31

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arrex Resources Inc.

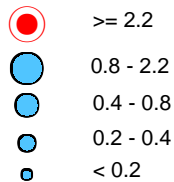


Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Ag in ppm



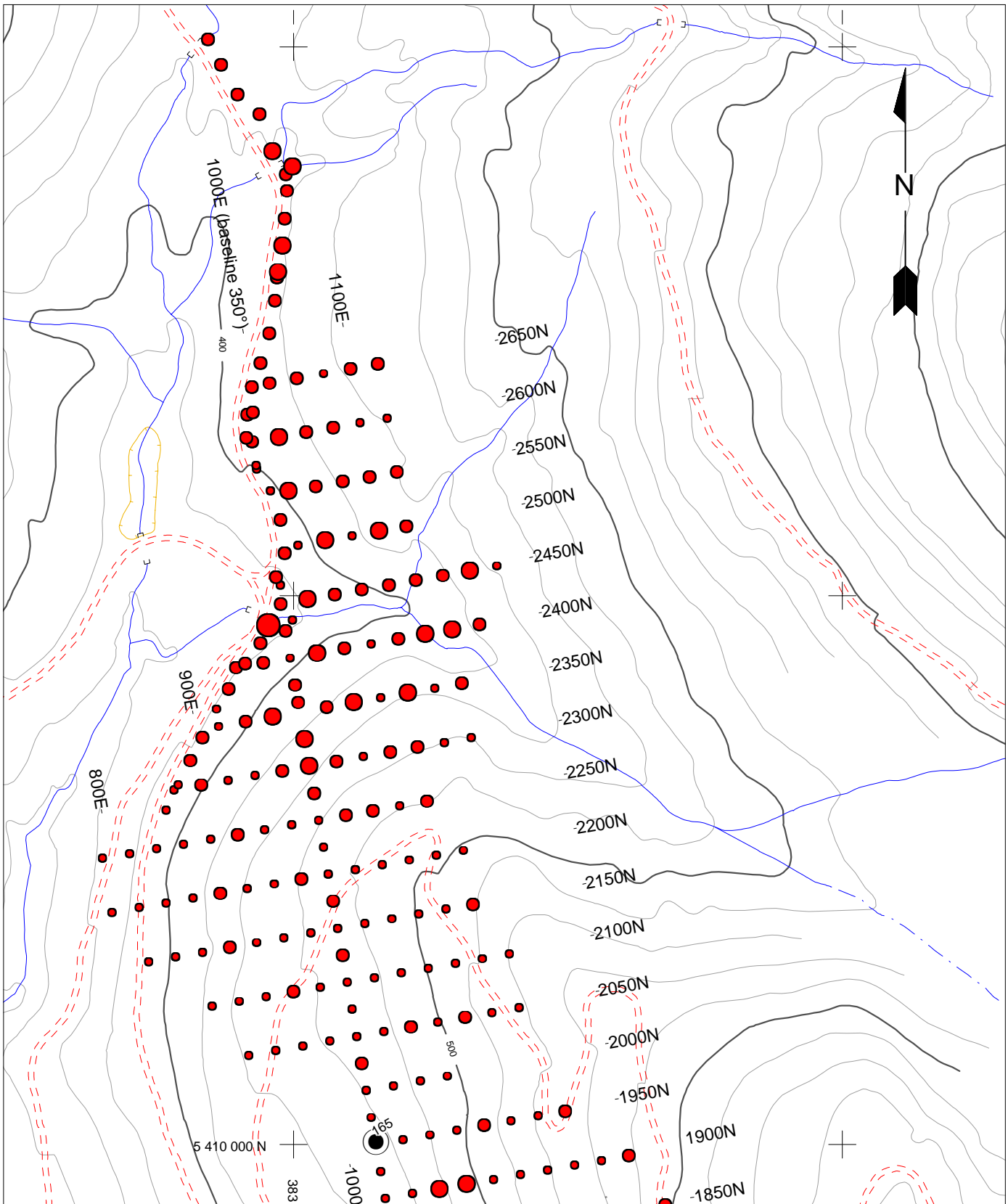
**Inspiration Mining Corp  
 Jasper Property**

Silver in Soils  
 North PAN Grid

October 2003

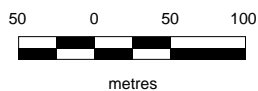
Fig: 34

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arrex Resources Inc.

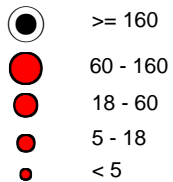


Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Au in ppb



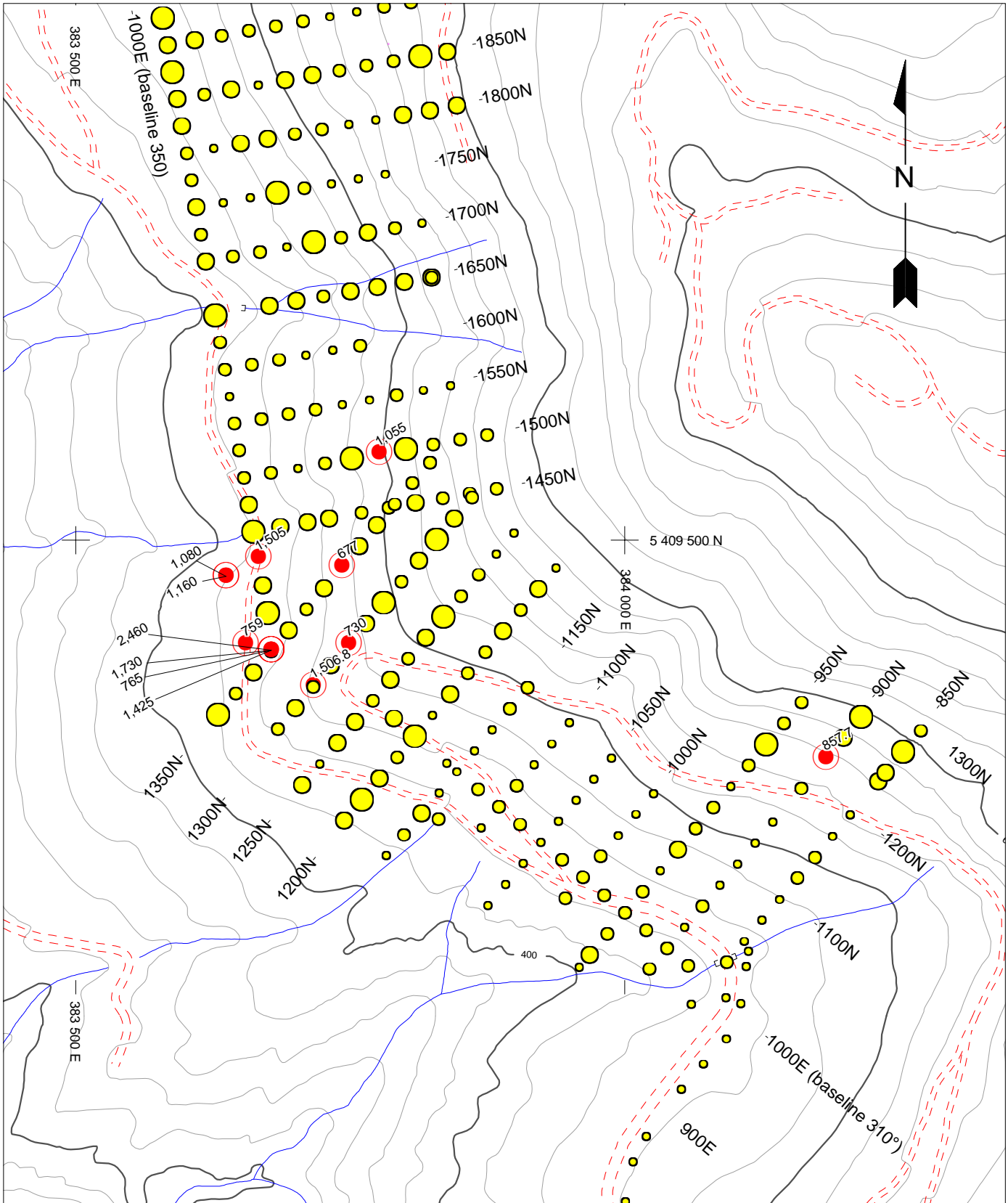
**Inspiration Mining Corp  
 Jasper Property**

Gold in Soils  
 North PAN Grid

October 2003

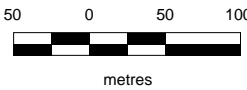
Fig: 37

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arrex Resources Inc.



Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Cu in ppm

- >= 640
- 300 - 640
- 140 - 300
- 60 - 140
- < 60

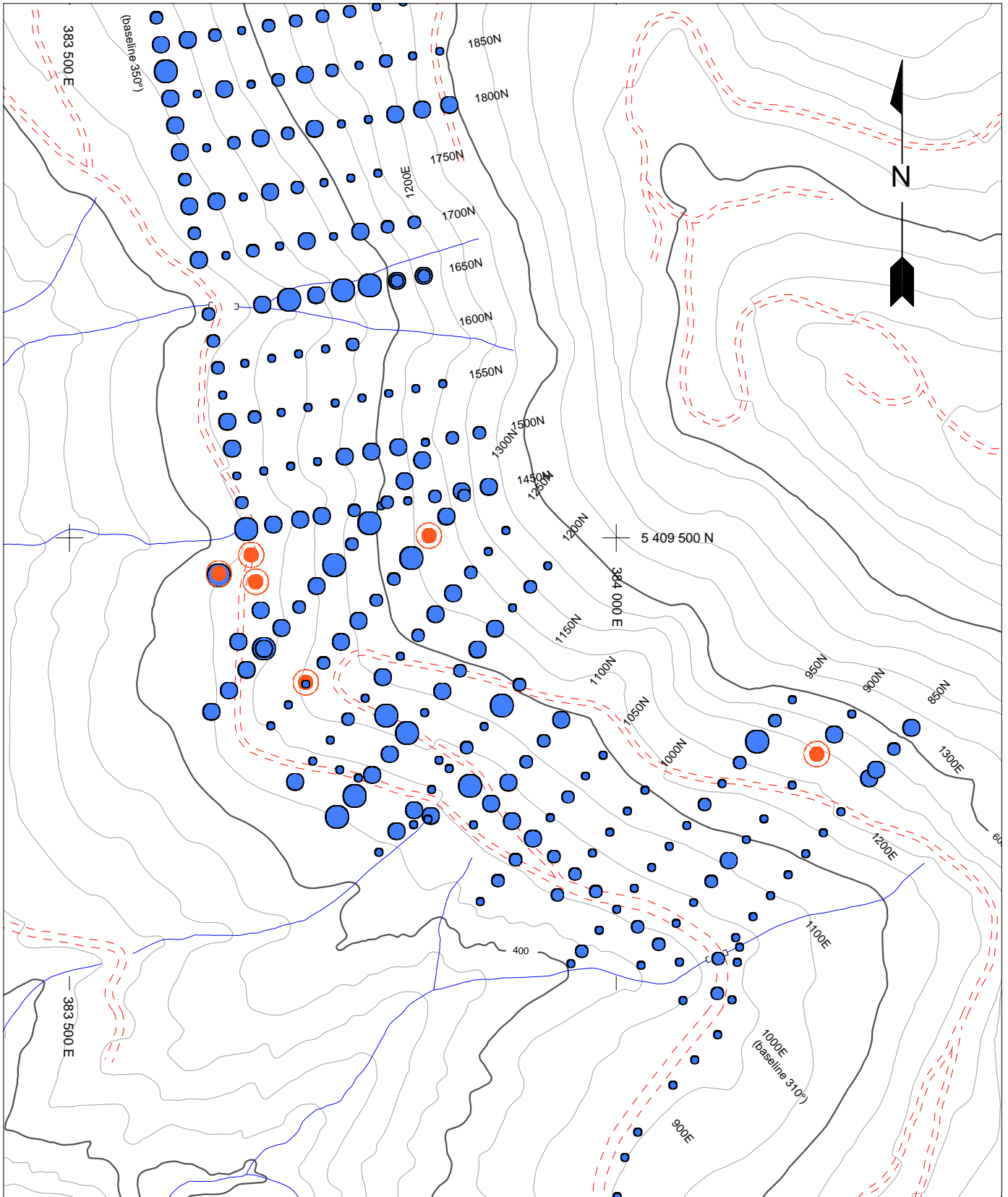
**Inspiration Mining Corp  
 Jasper Property**

Copper in Soils  
 South PAN Grid

October 2003

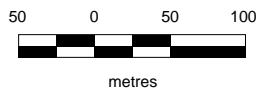
Fig: 26

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arnex Resources Inc.



Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Zn in ppm



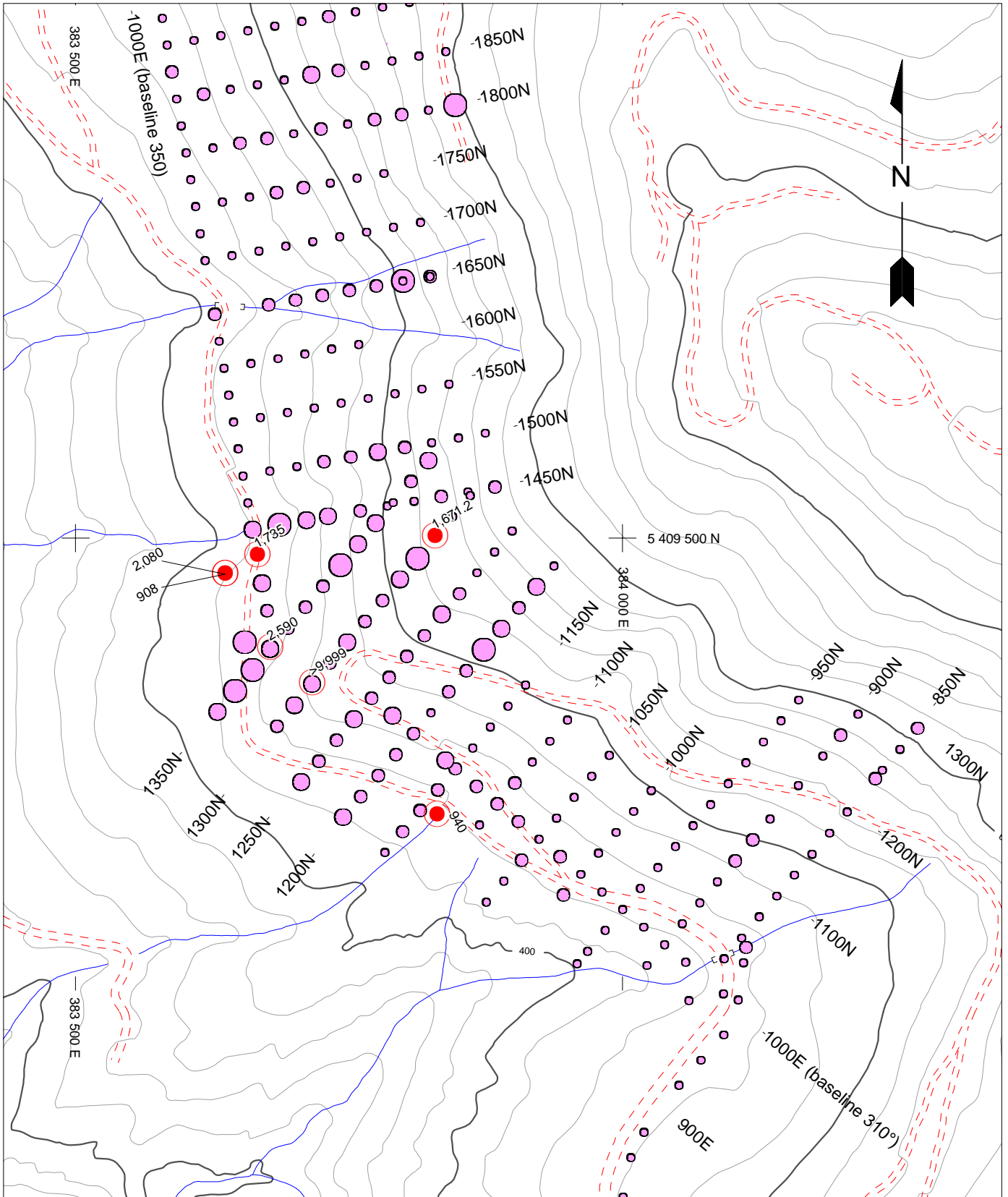
**Inspiration Mining Corp  
 Jasper Property**

Zinc in Soils  
 South PAN Grid

October 2003

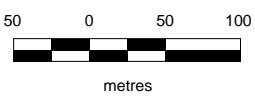
Fig: 29

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arnex Resources Inc.



Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Pb in ppm

- >= 900
- 270 - 900
- 90 - 270
- 25 - 90
- < 25

**Inspiration Mining Corp  
 Jasper Property**

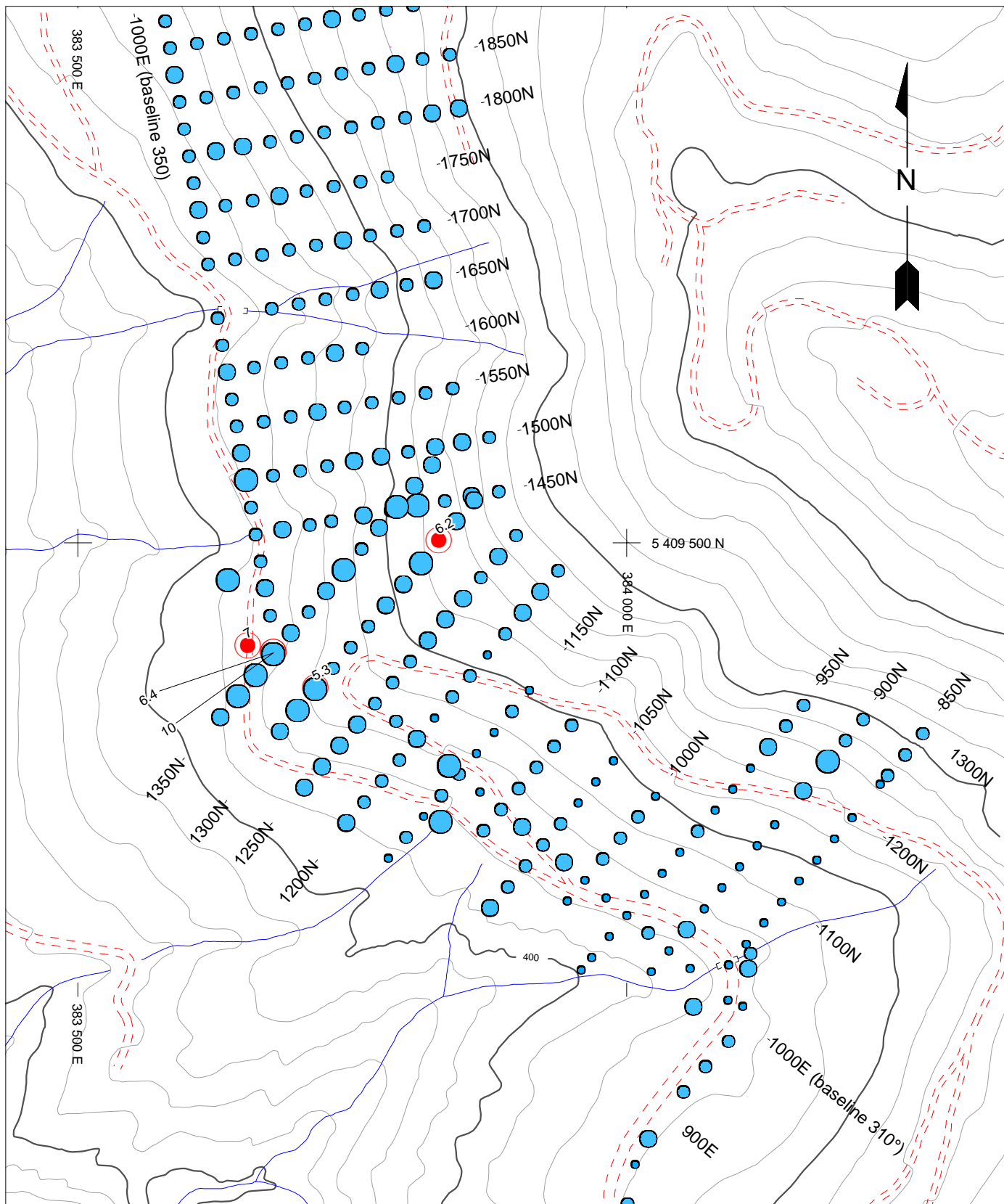
Lead in Soils  
 South PAN Grid

October 2003

Fig: 32

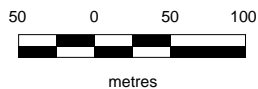
GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arnex Resources Inc.



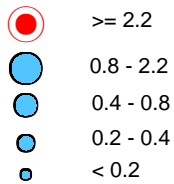


Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Ag in ppm

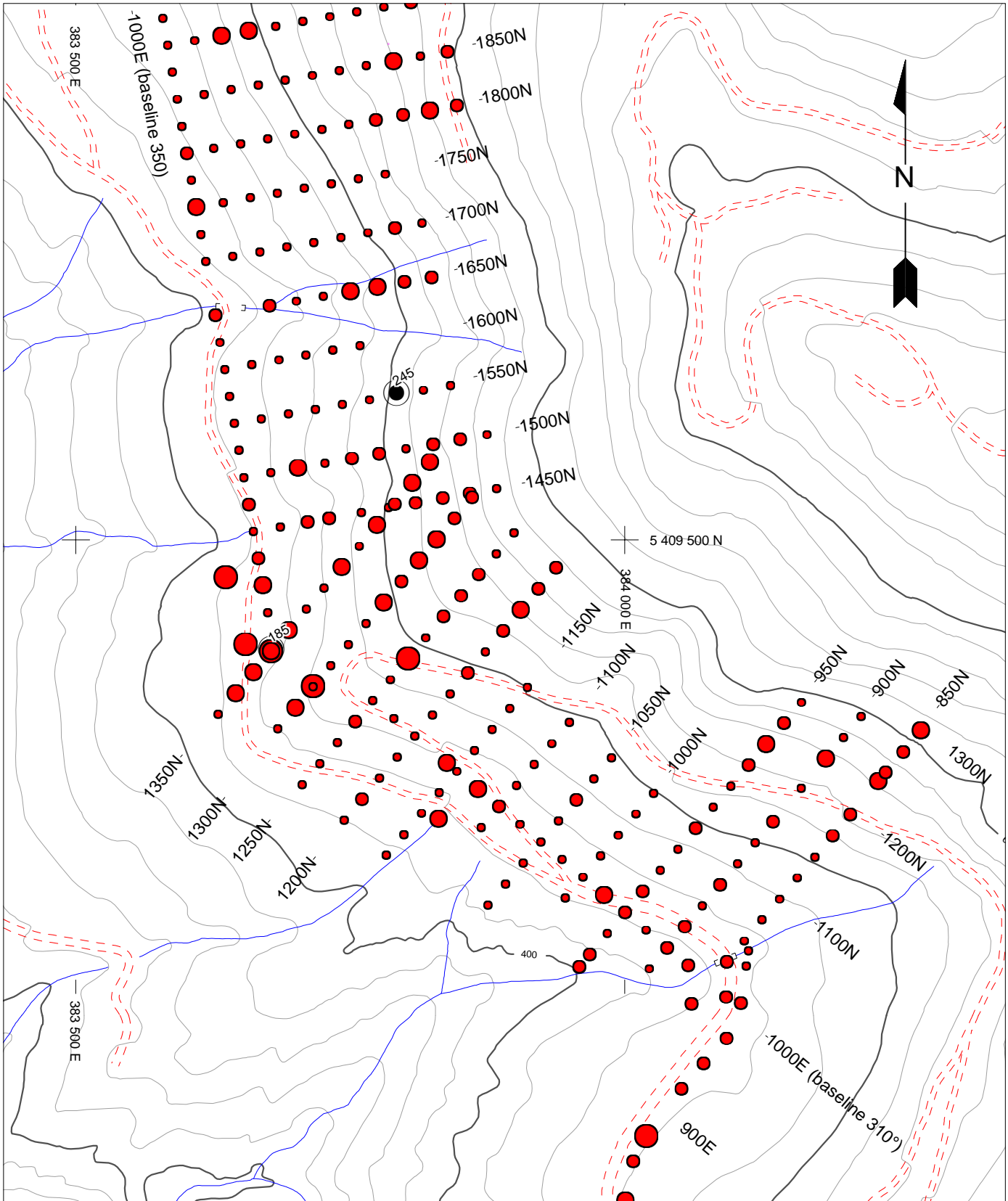


**Inspiration Mining Corp**  
**Jasper Property**  
 Silver in Soils  
 South PAN Grid

October 2003

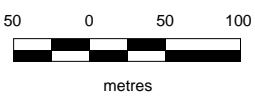
Fig: 35

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arnex Resources Inc.

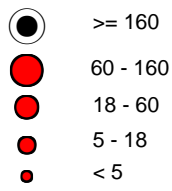


Base Map:

Projection: UTM Zone 10  
 Datum: NAD83  
 Original Scale: 1:5,000  
 Contour Interval: 20m



Au in ppb



**Inspiration Mining Corp  
 Jasper Property**

Gold in Soils  
 South PAN Grid

October 2003

Fig: 38

GIS and Compilation by Cyberquest Geoscience Ltd  
 for Arnex Resources Inc.

The highest elevation upslope samples between lines 1200 n to 1500 N are not anomalous and the upslope apparent source for the polymetallic anomaly is defined generally between 1100E to 1200E. Strongly anomalous values are present in gossanous soils in this area. Sample 739209 on line 1300 N returned values of 1,671 ppm Pb, 1,292 ppm Zn and 445 ppm Cu. The adjacent sample was also strongly anomalous in Zn, Pb and Cu. Because of the high Pb values in this area, these anomalies are considered to be proximal and detailed prospecting and hand trenching are warranted as well as geophysics to help establish drill targets.

High values were obtained from some samples taken from extending lines 850N to 950N upslope. The highest values were from Sample Number 739241 that contained 1,390 ppm Zn, 858 ppm Cu 1.6 ppm Ag. The anomalies are still open upslope at line 900N (4418 ppm Cu) and line 850N (178 ppm Zn, 111 ppm Cu). The lines should be extended upslope to cut-off the anomaly in this area.

Of interest was an orientation sample (739270) of sandy talus fines collected beneath the massive sulphide lens at the Pan Road Showing. Anomalous values of >9999 ppm Pb, 7089 ppm Zn, 1507 ppm Cu, 5.3 ppm Ag and 70 ppb Au are present. Additional orientation sampling should be conducted away from the showing to obtain data related to geochemical dispersion. This data should be used to assist in the interpretation of the numerous +1000 ppm Cu-Zn-Pb anomalies that are present on the Pan Grid Area.

### **5.3. 2003 Rock Chip Geochemistry**

Four rock chip samples were taken as part of the 2003 program. Analytical results are presented as Table 2 and Sample Descriptions are contained in Appendix C, Geochemical Data Sheet – Rock Chip Sampling. Sample locations are plotted on the Sample Location Maps and identified under Observations, Remarks in Appendix C.

Samples 301807 and 301808 were from a 2 metre representative chip composite in outcrop of moderately altered pyritic JBv andesite taken at soil sample location 739470. The interval was only moderately anomalous in Cu and Zn.

Of most interest was Rock Chip Sample 301810 taken from float fragments and broken cobbles at Soil Sample location 739222. The sample was from a mineralized felsic material (altered rhyolite?) containing (in order of abundance) sphalerite, pyrite, chalcopyrite and galena. Analytical results indicate >1% Zn and Pb are present. Approximately 1% Cu, 19 ppm Ag and 65 ppb Au are also present. Prospecting should be done in this are to attempt to locate the source of the mineralization.

Table 3 Rock Analytical Results  
 From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT  
 To Arnex Resources Ltd.  
 Acme file # A304464 Received: SEP 22 2003 \* 6 samples in this disk file.  
 Analysis: GROUP 1DX - 30 GM

ELEMENT	Cu	Pb	Zn	Ag	Au	Ni	Co	Mn	Fe	As	Mo	Cd	Sb	Bi	V	Ca	Cr	Mg	Ba	Ti	Al	K	W	Hg	S	Se
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	%	ppm	
SI	4	0	1	<.1	<.5	2	0	6	0.1	<.5	<.1	<.1	0.1	<.1	<.1	0.22	3	0.02	5	0.00	0.0	0.01	<.1	0.0	0.10	<.5
301807	140	8	177	0.6	16	17	33	2070	7.9	13.9	4.1	0.2	0.2	1.2	142	0.81	14.8	2.81	34	0.31	3.5	0.09	0.1	0.4	2.57	9.6
301808	260	7	239	0.3	4	25	34	3585	8.3	9.6	0.1	0.3	0.1	0.5	198	0.68	21.4	4.33	290	0.38	4.8	0.14	0.1	0.1	0.55	1.5
301809	27	13	132	0.2	14	9	16	2814	5.3	9.2	4.2	0.2	0.1	<.1	129	0.23	17.9	2.25	197	0.32	2.9	0.17	0.1	0.1	0.14	<.5
301810	9778	>9999	>99999	19.0	65	3	6	>9999	9.0	14.8	2.0	1439.3	1.1	<.1	90	0.47	2	3.60	22	0.05	3.1	0.10	0.1	1.6	7.57	4.3
STANDARD DS5	140	25	134	0.3	40	24	12	774	2.9	17.9	12.0	5.5	3.7	5.9	60	0.72	177.1	0.66	138	0.10	2.2	0.14	4.8	0.2	<.05	4.6

## 6. CONCLUSIONS

### 6.1. Conclusions – 2003 Geochemical Program

From the grid soil sampling program conducted during 2003, the following can be concluded:

*Polymetallic base (and to a lesser degree precious) metal anomalies extend from Camp Creek northward on the North Pan Grid. Two specific areas containing apparent in situ soils anomalies have been identified for follow up work.*

*Coincident extensive polymetallic soil geochemical anomalies are present between lines 1300N to 1500 N and are cut off at approximately 1150 E in the Pan South Grid area. Values of up to 1,055 ppm Cu, 1292 ppm Zn, 1,671 ppm Pb and 6.2 ppm Ag are present. The anomalies are considered to be near source.*

*Also in the South Pan Grid area, the upslope southeastern upslope portion of the grid is still anomalous in Cu and Zn. The grid should be extended in this area.*

### 6.2. Conclusions – Work To Date

The following is concluded based on results of historical exploration programs and programs carried out by Arnex for Inspiration:

1. A major north-south structure transects Vancouver Island and is readily apparent on Landsat and DEM Hillshade imagery. Four Mile Creek and the Jasper Property underlie a portion of the structure.
2. A major pyritic, argillic hydrothermal alteration zone is present along the fault structure in Four Mile Creek and trends to the north towards Jasper Creek.
3. At least eight areas within the alteration zone contain massive sulphide showings.
4. Most showings are exposed in logging road-cuts.
5. Highly anomalous polymetallic soil geochemical anomalies were reported from grid soil sampling conducted on the Property prior to logging. Recent soil grids established by Arnex after logging at the J-Branch Main Showing and Pan Road Showing areas also returned highly anomalous results. At the Pan area, two clusters of highly anomalous polymetallic soil anomalies occur centered on the Pan North and Pan South Grids.

6. At the J-Branch Main Showing, massive sulphide lens are hosted in chloritized mafic volcanics. The sulphide lens are concordant with the local volcanic stratigraphy. The intermediate and mafic volcanics are subaqueous as they contain (minor) intercalated argillite beds. The massive sulphide lens contain coarse angular massive sulphide and wallrock volcanic breccia fragments hosted in a fine sulphide matrix. Soil grid geochemical anomalies indicate the mineralization trends to the northwest and to the south towards the Pan showing areas. Test geophysical surveys were useful to help define drill targets at the J-Branch Main Showing and elsewhere on the grid.
7. At the Pan Road Showings, both stringer style and stratabound mineralization outcrops in road-cuts. Some of the massive sulphide mineralization is capped by a calcite, barite and chert exhalite horizon. Highly anomalous polymetallic soil geochemical anomalies are present in the covered hillside upslope from the feeder zone style mineralization.
8. The Jasper Property is at an early stage of exploration. Additional surface work followed by possible trenching and “discovery” diamond drilling is required prior to the establishment of an economic resource.

Data reliability for the programs conducted by Arnex is considered high. Rock chip sampling at showing areas is considered to be reproducible. Sample density for soil grid geochemistry is considered adequate to define soil anomalies. The exploration programs carried out by Arnex achieved project objectives and indicates more work is warranted.

## **7. RECOMMENDATIONS**

A phased \$500,000 exploration program has been recommended in a Technical Report by Arnex for Inspiration dated October 28, 2003. Phase 1 will be the continuation of surface work at the Pan (and possibly Jas) Grid Area and Phase 2 will include diamond drilling.

Phase 1 work should include the following:

1. Extend the existing cross lines on the Pan soil grids upslope to the east to close off anomalies,
2. Extend the soil grids to the north and south to cover the +3 kilometre strike length of the anomalous alteration zone,
3. Hand dig pits and conduct soil geochemical profiles at the most significant soil anomalies to determine proximity to source,
4. Do surficial geology mapping along roadcuts and use the results to interpret where the mineralized source areas are for the significant soil anomalies,

5. Prospect, map and sample in detail all areas adjacent to the most important showings and soil anomalies.

Upon completion of the Phase 1 field program, exploration targets should be prioritized utilizing GIS analysis and specific recommendations for a Phase 2 Work Program and Budget should be made. Phase 2 work should include completing geophysical surveys over selected areas of the Pan and extended J-Branch Main Showing grids. Phase 2 work may also include mechanized trenching and will include diamond drilling of the highest priority targets. A Notice of Work should be filed at least 60 days prior to the planned commencement of Phase 2 fieldwork.

## **8. CERTIFICATE OF QUALIFICATION AND CONSENT**

I, Arne O. Birkeland, do hereby certify that:

1. I am a Geological Engineer in the employ of Arnex Resources Ltd. with offices at 2069 Westview Drive, North Vancouver, British Columbia.
2. I am a 1972 graduate of the Colorado School of Mines with a Bachelor of Science Degree in Geological Engineering.
3. I have been a registered Professional Engineer with the Association of Professional Engineers Association of British Columbia since 1975, Registration Number 9870.
4. My primary employment since 1966 has been in the field of mineral exploration and development, namely as a Geological Engineer.
5. My experience has encompassed a wide range of geological environments including extensive experience in classification of deposit types as well as considerable familiarization with geochemical and geophysical survey techniques and diamond drilling procedures.
6. I have conducted and supervised the field exploration work as reported on the subject property. I have authored this report that is based on observations and sample results obtained during the Year 2003 exploration program.
7. The author holds no interest in the Jasper Property that is the subject of this report. The author does not own any equity shares or have any options in Inspiration Mining Corp. ("Inspiration") and is acting as an Independent Qualified Person as geological consultant for Inspiration.

8. I consent for Inspiration to use this technical report to file as an assessment report and also for use as required by regulatory authorities.

Dated at North Vancouver, British Columbia,

This \_\_\_\_\_ day of \_\_\_\_\_, 2004

---

Arne O. Birkeland, P. Eng.  
**President, Arnex Resources Ltd.**



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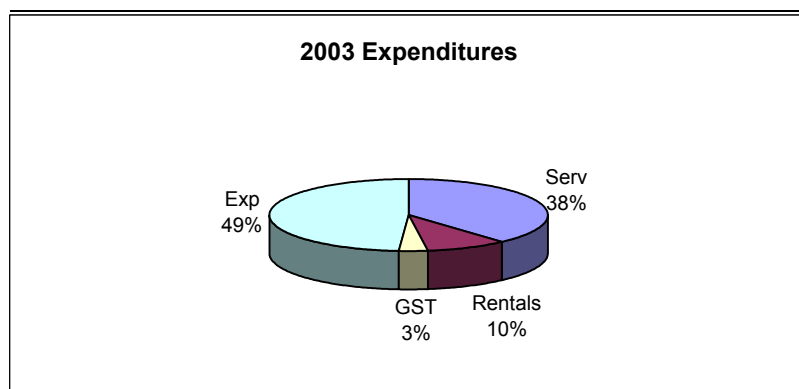
**Appendix A  
Statement of Expenditures  
2003 Exploration Program Budget  
Jasper Claim Group, Victoria M,D.**

**Prepared for: Inspiration Mining Corp.**

**Prepared by: Arnex Resources Ltd.**

**Date: November 24, 2003**

Description	Cost	/unit	number	units	Amount
Services					
P. Eng.	\$550.00	/day	20.00	day	\$11,000.00
Geologist-Sampler	\$350.00	/day	5.00	day	\$1,750.00
Geologist-Sampler	\$250.00	/day	5.00	day	\$1,250.00
Subtotal Services			25.00		\$12,750.00
Rentals					
Ford F250 4X4	\$80.25	/day	20.00	day	\$1,605.00
Camper	\$32.10	/day	20.00	day	\$642.00
Chain Saw	\$35.00	/wk	2.86	wk	\$100.00
ICH 18 Radios (2)	\$10.00	/day	20.00	day	\$200.00
Motorola Radios (2)	\$4.00	/day	20.00	day	\$80.00
Field Equipment	\$20.00	/day	30.00	day	\$600.00
Subtotal Rentals					\$3,227.00
GST - Services, Rentals					\$1,118.39
Expenses					
Board	\$45.00	/day	30.00	day	\$1,350.00
Room	\$55.00	/day	30.00	day	\$1,650.00
Field supplies	\$25.00	/day	30.00	day	\$750.00
Analytical, soil and rock samples					\$2,071.52
Expenses jasea030916					\$1,774.19
Digitizing data	\$588.50	/day	2.00	day	\$1,177.00
Report					\$7,500.00
Subtotal Expenses					\$16,272.71
<b>Total</b>					<b>\$33,368.10</b>



Serv	\$12,750
Rentals	\$3,227
GST	\$1,118
Exp	\$16,273
<b>Total</b>	<b>\$33,368</b>

Table 2 Soil Analytical Results  
 From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT  
 To Amex Resources Ltd.  
 Acme file # A304463 Page 1 Received: SEP 22 2003 \* 124 samples in this disk file.  
 Analysis: GROUP 1DX - 30.0 GM

ELEMENT	Cu	Pb	Zn	Ag	Au	Ni	Co	Mn	Fe	As	Mo	Cd	Sb	Bi	V	Ca	Cr	Mg	Ba	Ti	Al	K	W	Hg	S	Se
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
739217	89	15	172	0.4	5	5	8	360	6.0	7.7	2.0	0.2	0.2	0.2	131	0.09	14.1	0.51	44	0.06	6.6	0.04	0.1	0.3	<.05	<.5
739218	70	75	258	0.3	4	6	24	783	7.2	8.2	1.9	0.3	0.2	0.2	170	0.13	12.6	0.63	80	0.09	5.1	0.09	0.1	0.2	<.05	1.6
739219	65	9	81	0.4	8	4	9	605	6.4	11.5	2.8	0.3	0.2	0.3	155	0.12	12.7	0.46	76	0.05	4.8	0.04	0.1	0.3	<.05	1.4
739220	89	9	154	0.4	10	8	16	812	6.9	14.3	3.5	0.3	0.2	0.3	173	0.16	16.1	0.84	53	0.12	5.1	0.05	0.1	0.3	<.05	1.4
739221	121	8	128	0.2	5	15	22	718	5.4	5.5	0.6	0.1	0.1	0.1	127	0.13	17.6	1.12	88	0.06	5.1	0.07	0.1	0.2	<.05	0.9
739222	206	24	158	0.2	11	12	30	1897	5.5	8.8	3.0	0.2	0.2	0.1	114	0.20	14.7	1.94	121	0.12	5.1	0.09	0.1	0.2	<.05	<.5
739223	133	17	116	0.7	9	7	19	909	5.1	5.7	2.3	0.2	0.2	0.1	125	0.15	15.1	0.84	72	0.11	5.9	0.04	0.1	0.3	<.05	0.8
739224	149	26	176	0.2	10	11	76	3098	4.6	7.8	0.9	0.7	0.2	0.2	81	0.64	7.9	1.12	117	0.20	3.6	0.11	0.1	0.2	<.05	0.9
739225	189	14	250	0.4	37	14	50	2310	8.9	34.8	6.9	0.4	0.8	1.2	111	0.30	8.0	2.03	117	0.14	3.3	0.15	0.1	0.1	0.09	2.6
739226	197	370	183	0.4	8	10	72	3069	6.1	6.6	2.0	0.5	0.3	0.2	130	0.55	13.0	1.15	147	0.16	5.9	0.08	0.1	0.2	<.05	0.1
739227	121	20	120	0.4	34	5	38	1332	9.8	62.0	10.8	0.2	0.3	0.8	108	0.15	10.0	0.67	67	0.25	4.3	0.07	0.2	0.3	0.12	4.4
739228	474	8	103	0.1	4	13	52	2701	5.9	9.1	0.8	0.1	0.4	0.3	111	0.45	9.3	1.68	124	0.14	3.6	0.10	0.1	0.1	<.05	0.7
739229	188	8	88	0.1	13	13	64	1620	7.3	12.4	2.1	<.1	0.4	0.4	135	0.32	11.6	1.48	89	0.19	3.8	0.07	0.1	0.1	<.05	1.0
739230	57	84	158	0.6	5	15	15	897	6.0	9.5	2.2	0.4	0.2	0.2	146	0.11	9.7	0.45	85	0.05	4.1	0.05	0.1	0.3	<.05	1.3
RE 739233	67	9	80	0.1	13	15	21	1082	4.9	8.8	0.5	0.3	0.3	0.1	117	1.04	18.7	1.30	171	0.13	2.4	0.09	0.1	0.1	<.05	0.6
739231	42	14	115	0.1	2	7	18	2246	4.3	3.8	0.5	0.5	0.2	0.1	103	0.57	10.9	0.85	149	0.11	2.6	0.06	0.1	0.1	0.06	0.6
739232	79	12	86	0.1	5	13	31	1847	5.6	6.0	1.5	0.2	0.2	0.1	127	1.59	26.4	1.42	61	0.17	6.0	0.05	0.1	0.2	<.05	0.7
739233	69	9	84	0.2	6	15	22	1185	5.1	8.9	0.5	0.2	0.4	0.1	119	1.02	20.5	1.41	181	0.13	2.6	0.09	0.1	0.1	<.05	0.7
739234	119	187	193	0.5	17	2	4	156	5.4	11.9	2.9	0.2	0.2	0.4	97	0.05	8.7	0.20	95	0.01	5.1	0.05	<.1	0.2	<.05	1.6
739235	112	31	180	0.4	4	6	13	500	6.0	7.4	2.9	0.4	0.2	0.2	152	0.15	12.5	0.53	47	0.09	4.5	0.04	<.1	0.2	<.05	1.4
739236	61	8	75	0.2	4	15	21	1135	5.1	13.6	0.5	0.3	0.5	0.1	118	0.72	22.3	1.18	234	0.09	3.5	0.08	0.1	0.1	<.05	<.5
739237	242	1250	358	1	15	22	36	1955	4.5	7.6	1.0	8.1	0.1	<.1	120	3.65	22.8	2.26	647	0.18	6.8	0.06	0.1	0.4	0.14	2.7
739238	619	17	445	0.5	23	12	45	2102	7.8	20.5	3.3	1.5	0.3	1.3	122	1.70	14.2	1.83	49	0.19	5.3	0.06	0.2	2.7	<.05	3.8
739239	94	20	122	0.2	10	8	13	1334	5.0	10.6	1.4	0.2	0.3	0.1	93	0.54	10.7	1.77	247	0.13	2.5	0.08	0.1	0.1	0.09	0.9
739240	66	9	78	0.2	5	15	22	1183	5.7	8.5	0.6	0.2	0.2	0.1	143	0.22	24.0	1.21	126	0.09	4.9	0.09	0.1	0.2	<.05	0.7
739241	858	21	1309	1.6	21	9	38	2588	11.7	10.4	1.3	4.0	0.3	1.7	78	0.11	5.6	1.41	102	0.05	2.7	0.21	0.2	8.9	1.45	1.2
739242	165	29	228	0.2	4	12	31	1060	6.3	5.5	1.3	0.5	0.1	0.2	162	0.17	18.3	0.75	136	0.10	5.3	0.04	0.1	0.2	<.05	1.0
739243	418	5	108	0.1	3	20	46	2611	6.0	4.6	0.3	0.1	0.4	0.1	186	0.79	19.6	2.14	325	0.29	5.1	0.09	<.1	0.1	<.05	0.8
739244	268	12	184	0.2	5	9	16	1171	7.0	10.0	1.6	0.3	0.3	0.5	152	0.53	15.9	0.98	69	0.13	6.2	0.03	0.1	0.1	<.05	2.0
739245	349	5	120	0.1	8	13	33	1484	5.5	7.1	1.1	0.3	0.2	0.3	117	0.62	11.4	1.95	48	0.16	3.3	0.08	0.1	0.0	<.05	0.9
739246	111	75	178	0.2	31	14	41	1658	5.8	8.3	4.3	0.2	0.5	0.1	80	0.08	19.9	1.18	56	0.16	4.6	0.09	0.1	0.2	<.05	0.6
739247	75	16	129	0.5	3	3	6	307	5.3	4.7	2.5	0.3	0.2	0.1	128	0.11	9.8	0.33	39	0.09	6.0	0.03	0.1	0.3	<.05	1.6
739248	138	77	211	0.3	10	9	16	798	6.1	8.4	1.4	0.3	0.2	0.2	138	0.16	14.0	0.92	49	0.14	5.4	0.04	0.1	0.2	<.05	2.3
739249	133	28	128	0.6	7	8	36	2073	4.7	7.3	0.8	0.3	0.3	0.1	68	0.56	6.6	1.10	112	0.20	2.9	0.11	0.1	0.2	<.05	0.9
STANDARC 739250	145	24	138	0.3	41	25	13	792	3.0	18.1	12.8	5.5	3.9	6.3	60	0.75	190.7	0.68	136	0.09	2.1	0.14	4.8	0.2	<.05	5.1
739251	64	88	104	0.2	2	2	7	349	4.3	8.4	2.1	0.2	0.2	0.6	66	0.06	5.7	0.33	133	0.01	2.8	0.07	0.1	0.1	0.09	3.2
739251	130	11	227	0.5	26	8	25	954	7.6	21.2	5.0	0.4	0.2	0.3	161	0.11	15.6	0.65	87	0.11	5.6	0.04	0.2	0.3	0.09	2.3
739252	105	11	83	0.7	3	5	6	232	3.9	3.7	2.0	0.6	0.2	0.1	101	0.09	7.2	0.38	37	0.05	5.9	0.03	0.1	0.3	<.05	1.5
739253	71	15	65	1.4	22	3	5	185	3.1	8.4	2.5	0.2	0.1	0.1	45	0.06	12.1	0.28	18	0.09	11.9	0.01	0.1	1.0	<.05	<.5
739254	9	29	59	0.2	8	1	1	547	2.7	10.2	1.5	<.1	0.2	0.8	49	0.02	6.8	1.52	117	0.09	1.6	0.11	<.1	0.0	0.26	4.1
739255	186	43	203	0.2	26	15	71	2414	5.7	13.6	5.6	0.3	0.4	0.3	99	0.18	13.5	1.70	166	0.16	4.9	0.08	0.2	0.2	<.05	1.4
739256	297	12	223	0.3	13	15	53	2248	7.2	13.1	0.8	0.4	0.3	0.5	160	1.40	11.0	2.16	49	0.16	6.0	0.05	0.2	0.4	<.05	1.7
739257	115	25	149	0.2	13	6	27	1325	7.1	14.2	1.8	0.4	0.3	0.2	132	0.21	13.0	1.11	50	0.14	4.8	0.05	0.1	0.3	<.05	2.1
739258	90	14	119	0.4	12	6	19	1144	5.7	10.5	1.4	0.2	0.2	0.1	118	0.16	11.8	1.01	34	0.14	4.6	0.05	0.1	0.3	<.05	1.3
739259	211	55	218	0.1	9	18	37	1498	9.6	18.9	3.0	0.7	0.2	0.6	162	0.96	14.1	2.22	65	0.15	4.4	0.06	0.2	0.3	<.05	2.8
739260	707	15	257	0.6	24	11	47	2259	8.9	16.7	2.3	0.8	0.3	1.2	162	0.63	14.1	1.87	47	0.17	4.8	0.04	0.2	1.1	<.05	4.2
739261	151	18	164	0.5	14	7	21	1173	5.9	10.2	3.0	0.4	0.2	0.4	119	0.44	11.2	1.04	139	0.10	4.6	0.07	0.1	0.4	0.07	2.7
739262	102	35	260	0.3	9	4	9	435	6.1	8.8	4.8	0.5	0.2	0.2	127	0.09	15.2	0.43	80	0.04	5.8	0.03	0.1	0.3	<.05	2.2
RE 739264	112	17	194	0.4	3	9	29	1509	5.8	9.4	3.1	0.4	0.2	0.2	114	0.11	16.4	0.77	99	0.10	4.9	0.06	0.1	0.2	<.05	<.5
739263	69	21	200	0.3	3	7	25	2424	5.9	6.9	4.3	0.5	0.2	0.3	125	0.25	12.3	0.58	207	0.06	4.1	0.04	0.1	0.2	<.05	1.3
739264	117	17	191	0.4	4	9	29	1543	6.0	9.6	3.3	0.4	0.3	0.2	118	0.12	17.9	0.80	101	0.10	5.0	0.06	0.1	0.3	<.05	<.5
739265	95	13	153	0.5	7	7	24	950	6.0	9.9	3.1	0.3	0.2	0.2	164	0.22	18.6	0.70	51	0.17	5.2	0.04	0.2	0.3	<.05	1.4
739266	153	42	218	0.5	9	7	12	901	5.5	5.1																

Table 2 Soil Analytical Results  
 From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT  
 To Amex Resources Ltd.  
 Acme file # A304463 Page 1 Received: SEP 22 2003 \* 124 samples in this disk file.  
 Analysis: GROUP 1DX - 30.0 GM

ELEMENT SAMPLES	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Mo ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	Cr ppm	Mg %	Ba ppm	Ti %	Al %	K %	W ppm	Hg ppm	S %	Se ppm
739217	89	15	172	0.4	5	5	8	360	6.0	7.7	2.0	0.2	0.2	0.2	131	0.09	14.1	0.51	44	0.06	6.6	0.04	0.1	0.3	<.05	<.5
739218	70	75	258	0.3	4	6	24	783	7.2	8.2	1.9	0.3	0.2	0.2	170	0.13	12.6	0.63	80	0.09	5.1	0.09	0.1	0.2	<.05	1.6
739219	65	9	81	0.4	8	4	9	605	6.4	11.5	2.8	0.3	0.2	0.3	155	0.12	12.7	0.46	76	0.05	4.8	0.04	0.1	0.3	<.05	1.4
739220	89	9	154	0.4	10	8	16	812	6.9	14.3	3.5	0.3	0.2	0.3	173	0.16	16.1	0.84	53	0.12	5.1	0.05	0.1	0.3	<.05	1.4
739221	121	8	128	0.2	5	15	22	718	5.4	5.5	0.6	0.1	0.1	0.1	127	0.13	17.6	1.12	88	0.06	5.1	0.07	0.1	0.2	<.05	0.9
739222	206	24	158	0.2	11	12	30	1897	5.5	8.8	3.0	0.2	0.2	0.1	114	0.20	14.7	1.94	121	0.12	5.1	0.09	0.1	0.2	<.05	<.5
739223	133	17	116	0.7	9	7	19	909	5.1	5.7	2.3	0.2	0.2	0.1	125	0.15	15.1	0.84	72	0.11	5.9	0.04	0.1	0.3	<.05	0.8
739224	149	26	176	0.2	10	11	76	3098	4.6	7.8	0.9	0.7	0.2	0.2	81	0.64	7.9	1.12	117	0.20	3.6	0.11	0.1	0.2	<.05	0.9
739225	189	14	250	0.4	37	14	50	2310	8.9	34.8	6.9	0.4	0.8	1.2	111	0.30	8.0	2.03	117	0.14	3.3	0.15	0.1	0.1	0.09	2.6
739226	197	370	183	0.4	8	10	72	3069	6.1	6.6	2.0	0.5	0.3	0.2	130	0.55	13.0	1.15	147	0.16	5.9	0.08	0.1	0.2	<.05	0.1
739227	121	20	120	0.4	34	5	38	1332	9.8	62.0	10.8	0.2	0.3	0.8	108	0.15	10.0	0.67	67	0.25	4.3	0.07	0.2	0.3	0.12	4.4
739228	474	8	103	0.1	4	13	52	2701	5.9	9.1	0.8	0.1	0.4	0.3	111	0.45	9.3	1.68	124	0.14	3.6	0.10	0.1	0.1	<.05	0.7
739229	188	8	88	0.1	13	13	64	1620	7.3	12.4	2.1	<.1	0.4	0.4	135	0.32	11.6	1.48	89	0.19	3.8	0.07	0.1	0.1	<.05	1.0
739230	57	84	158	0.6	5	15	15	897	6.0	9.5	2.2	0.4	0.2	0.2	146	0.11	9.7	0.45	85	0.05	4.1	0.05	0.1	0.3	<.05	1.3
RE 739233	67	9	80	0.1	13	15	21	1082	4.9	8.8	0.5	0.3	0.3	0.1	117	1.04	18.7	1.30	171	0.13	2.4	0.09	0.1	0.1	<.05	0.6
739231	42	14	115	0.1	2	7	18	2246	4.3	3.8	0.5	0.5	0.2	0.1	103	0.57	10.9	0.85	149	0.11	2.6	0.06	0.1	0.1	0.06	0.6
739232	79	12	86	0.1	5	13	31	1847	5.6	6.0	1.5	0.2	0.2	0.1	127	1.59	26.4	1.42	61	0.17	6.0	0.05	0.1	0.2	<.05	0.7
739233	69	9	84	0.2	6	15	22	1185	5.1	8.9	0.5	0.2	0.4	0.1	119	1.02	20.5	1.41	181	0.13	2.6	0.09	0.1	0.1	<.05	0.7
739234	119	187	193	0.5	17	2	4	156	5.4	11.9	2.9	0.2	0.2	0.4	97	0.05	8.7	0.20	95	0.01	5.1	0.05	<.1	0.2	<.05	1.6
739235	112	31	180	0.4	4	6	13	500	6.0	7.4	2.9	0.4	0.2	0.2	152	0.15	12.5	0.53	47	0.09	4.5	0.04	<.1	0.2	<.05	1.4
739236	61	8	75	0.2	4	15	21	1135	5.1	13.6	0.5	0.3	0.5	0.1	118	0.72	22.3	1.18	234	0.09	3.5	0.08	0.1	0.1	<.05	<.5
739237	242	1250	358	1	15	22	36	1955	4.5	7.6	1.0	8.1	0.1	<.1	120	3.65	22.8	2.26	647	0.18	6.8	0.06	0.1	0.4	0.14	2.7
739238	619	17	445	0.5	23	12	45	2102	7.8	20.5	3.3	1.5	0.3	1.3	122	1.70	14.2	1.83	49	0.19	5.3	0.06	0.2	2.7	<.05	3.8
739239	94	20	122	0.2	10	8	13	1334	5.0	10.6	1.4	0.2	0.3	0.1	93	0.54	10.7	1.77	247	0.13	2.5	0.08	0.1	0.1	0.09	0.9
739240	66	9	78	0.2	5	15	22	1183	5.7	8.5	0.6	0.2	0.2	0.1	143	0.22	24.0	1.21	126	0.09	4.9	0.09	0.1	0.2	<.05	0.7
739241	858	21	1309	1.6	21	9	38	2588	11.7	10.4	1.3	4.0	0.3	1.7	78	0.11	5.6	1.41	102	0.05	2.7	0.21	0.2	8.9	1.45	1.2
739242	165	29	228	0.2	4	12	31	1060	6.3	5.5	1.3	0.5	0.1	0.2	162	0.17	18.3	0.75	136	0.10	5.3	0.04	0.1	0.2	<.05	1.0
739243	418	5	108	0.1	3	20	46	2611	6.0	4.6	0.3	0.1	0.4	0.1	186	0.79	19.6	2.14	325	0.29	5.1	0.09	<.1	0.1	<.05	0.8
739244	268	12	184	0.2	5	9	16	1171	7.0	10.0	1.6	0.3	0.3	0.5	152	0.53	15.9	0.98	69	0.13	6.2	0.03	0.1	0.1	<.05	2.0
739245	349	5	120	0.1	8	13	33	1484	5.5	7.1	1.1	0.3	0.2	0.3	117	0.62	11.4	1.95	48	0.16	3.3	0.08	0.1	0.0	<.05	0.9
739246	111	75	178	0.2	31	14	41	1658	5.8	8.3	4.3	0.2	0.5	0.1	80	0.08	19.9	1.18	56	0.16	4.6	0.09	0.1	0.2	<.05	0.6
739247	75	16	129	0.5	3	3	6	307	5.3	4.7	2.5	0.3	0.2	0.1	128	0.11	9.8	0.33	39	0.09	6.0	0.03	0.1	0.3	<.05	1.6
739248	138	77	211	0.3	10	9	16	798	6.1	8.4	1.4	0.3	0.2	0.2	138	0.16	14.0	0.92	49	0.14	5.4	0.04	0.1	0.2	<.05	2.3
739249	133	28	128	0.6	7	8	36	2073	4.7	7.3	0.8	0.3	0.3	0.1	68	0.56	6.6	1.10	112	0.20	2.9	0.11	0.1	0.2	<.05	0.9
STANDARC	145	24	138	0.3	41	25	13	792	3.0	18.1	12.8	5.5	3.9	6.3	60	0.75	190.7	0.68	136	0.09	2.1	0.14	4.8	0.2	<.05	5.1
739250	64	88	104	0.2	2	2	7	349	4.3	8.4	2.1	0.2	0.2	0.6	66	0.06	5.7	0.33	133	0.01	2.8	0.07	0.1	0.1	0.09	3.2
739251	130	11	227	0.5	26	8	25	954	7.6	21.2	5.0	0.4	0.2	0.3	161	0.11	15.6	0.65	87	0.11	5.6	0.04	0.2	0.3	0.09	2.3
739252	105	11	83	0.7	3	5	6	232	3.9	3.7	2.0	0.6	0.2	0.1	101	0.09	7.2	0.38	37	0.05	5.9	0.03	0.1	0.3	<.05	1.5
739253	71	15	65	1.4	22	3	5	185	3.1	8.4	2.5	0.2	0.1	0.1	45	0.06	12.1	0.28	18	0.09	11.9	0.01	0.1	1.0	<.05	<.5
739254	9	29	59	0.2	8	1	1	547	2.7	10.2	1.5	<.1	0.2	0.8	49	0.02	6.8	1.52	117	0.09	1.6	0.11	<.1	0.0	0.26	4.1
739255	186	43	203	0.2	26	15	71	2414	5.7	13.6	5.6	0.3	0.4	0.3	99	0.18	13.5	1.70	166	0.16	4.9	0.08	0.2	0.2	<.05	1.4
739256	297	12	223	0.3	13	15	53	2248	7.2	13.1	0.8	0.4	0.3	0.5	160	1.40	11.0	2.16	49	0.16	6.0	0.05	0.2	0.4	<.05	1.7
739257	115	25	149	0.2	6	27	1325	7.1	14.2	1.8	0.4	0.3	0.2	0.2	132	0.21	13.0	1.11	50	0.14	4.8	0.05	0.1	0.3	<.05	2.1
739258	90	14	119	0.4	12	6	19	1144	5.7	10.5	1.4	0.2	0.2	0.1	118	0.16	11.8	1.01	34	0.14	4.6	0.05	0.1	0.3	<.05	1.3
739259	211	55	218	0.1	9	18	37	1498	9.6	18.9	3.0	0.7	0.2	0.6	162	0.96	14.1	2.22	65	0.15	4.4	0.06	0.2	0.3	<.05	2.8
739260	707	15	257	0.6	24	11	47	2259	8.9	16.7	2.3	0.8	0.3	1.2	162	0.63	14.1	1.87	47	0.17	4.8	0.04	0.2	1.1	<.05	4.2
739261	151	18	164	0.5	14	7	21	1173	5.9	10.2	3.0	0.4	0.2	0.4	119	0.44	11.2	1.04	139	0.10	4.6	0.07	0.1	0.4	0.07	2.7
739262	102	35	260	0.3	9	4	9	435	6.1	8.8	4.8	0.5	0.2	0.2	127	0.09	15.2	0.43	80	0.04	5.8	0.03	0.1	0.3	<.05	2.2
RE 739264	112	17	194	0.4	3	9	29	1509	5.8	9.4	3.1	0.4	0.2	0.2	114	0.11	16.4	0.77	99	0.10	4.9	0.06	0.1	0.2	<.05	<.5
739263	69	21	200	0.3	3	7	25	2424	5.9	6.9	4.3	0.5	0.2	0.3	125	0.25	12.3	0.58	207	0.06	4.1	0.04	0.1	0.2	<.05	1.3
739264	117	17	191	0.4	4	9	29	1543	6.0	9.6	3.3	0.4	0.3	0.2	118	0.12	17.9	0.80	101	0.10	5.0	0.06	0.1	0.3	<.05	<.5
739265	95	13	153	0.5	7	7	24	950	6.0	9.9	3.1	0.3	0.2	0.2	164	0.22	18.6	0.70	51	0.17	5.2	0.04	0.2	0.3	<.05	1.4
739266	153	42	218	0.5	9	7	12	901	5.5	5.1	1.0	0.3	0.2	0.3	136	0.29	8.3	0.94	73	0.07	3.4	0.04	0.2	1.4	<.05	

Table 3 Rock Analytical Results  
 From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT  
 To Arnex Resources Ltd.  
 Acme file # A304464 Received: SEP 22 2003 \* 6 samples in this disk file.  
 Analysis: GROUP 1DX - 30 GM

ELEMENT	Cu	Pb	Zn	Ag	Au	Ni	Co	Mn	Fe	As	Mo	Cd	Sb	Bi	V	Ca	Cr	Mg	Ba	Ti	Al	K	W	Hg	S	Se
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	%	ppm	
SI	4	0	1	<.1	<.5	2	0	6	0.1	<.5	<.1	<.1	0.1	<.1	<.1	0.22	3	0.02	5	0.00	0.0	0.01	<.1	0.0	0.10	<.5
301807	140	8	177	0.6	16	17	33	2070	7.9	13.9	4.1	0.2	0.2	1.2	142	0.81	14.8	2.81	34	0.31	3.5	0.09	0.1	0.4	2.57	9.6
301808	260	7	239	0.3	4	25	34	3585	8.3	9.6	0.1	0.3	0.1	0.5	198	0.68	21.4	4.33	290	0.38	4.8	0.14	0.1	0.1	0.55	1.5
301809	27	13	132	0.2	14	9	16	2814	5.3	9.2	4.2	0.2	0.1	<.1	129	0.23	17.9	2.25	197	0.32	2.9	0.17	0.1	0.1	0.14	<.5
301810	9778	>9999	>99999	19.0	65	3	6	>9999	9.0	14.8	2.0	1439.3	1.1	<.1	90	0.47	2	3.60	22	0.05	3.1	0.10	0.1	1.6	7.57	4.3
STANDARD DS5	140	25	134	0.3	40	24	12	774	2.9	17.9	12.0	5.5	3.7	5.9	60	0.72	177.1	0.66	138	0.10	2.2	0.14	4.8	0.2	<.05	4.6

## APPENDIX C

### SOIL SAMPLE GEOCHEMICAL DATA SHEET - Year 2003

PROJECT: JAS

NTS: 092C/080

Sample Number		Depth (cm)	Horizon	Colour	Particle Size	% Organic	Slope Gradient	Observations Remarks	
739216	1450	1175	20	B	Br, or	Sand, rubble	Mod	Steep	Minor JBv pebbles
739217	1450	1200	10	B	Or,br	Sand	Low	Mod-St	Gossan soil, alt JBv frags
739218	1450	1225	35	B	Br, minor or	Coarse rubble	Mod	Very Steep	Below scarp
739219	1500	1175	30	B	Or red	coarse sand	Mod	Steep	Gossan soil, intense clay alt JBv frags
739220	1500	1200	25	B	Br, or	Clay, sand, rubble	Mod-Low	Very Steep	Alt JBv fl
739221	1500	1225	15	B	Med br	Sandy loam	Low	Steep	Unalt JBv talus, scarp
739222	1650	1175	25	B	Tan	Sand, clay	Low	Steep	No frags
739223	1650	1200	35	C-B	Tan, br	Sand, Talus fines	Low	Steep	Creebank, alt JBv creek float
739224	1800	1200	15	B-C	Br, gr	Gravel, clay, sand	Mod	Steep	Unalt JBv frags
739225	1800	1225	30	B	Br, or	Sand, loam	Mod	Steep	Stringer 10 cm py x-cutting fract in unalt JBv
739226	1800	1250	5	B	Med br	Loam, sand	Low	Steep	
739227	1850	1200	25	B-C	Or, br	Sand, Gravel, T fines	Mod	Steep	Unalt JBv frags
739228	1850	1225	30	B	Med gr br	Sand, clay	Low	Steep	Unalt JBv pebbles
739229	1850	1250	25	B	Med br	Sand, loam	Mod	Steep	Unalt JBv frags
739230	1900	1150	30	B	Tan	Gravel, pebbles	Mod	Mod-St	
739231	1900	1175	35	A-B	Gr br	Clay, talus fines	Very high	Steep	Unalt JBv oc
739232	1900	1200	40	B	Br	Sand, Talus fines	Low	Steep	No A
739233	1900	1225	15	B	Med br	Sand, Loam	Mod	Steep	Unalt JBv pebbles
739234	1950	1100	10	B	Tan, or, br	Sand	Low	Steep	Gossan soil, minor alt JBv frags
739235	1950	1125	20	B	Br, or	Rubble	Mod high	Mod-St	
739236	1950	1150	10	A-B	Gr br	Loam, clay, sand	Very high	Steep	Road talus, poor B
739237	1950	1175	30	C	Dk gr	Talus fines	Low	Steep	At road branch, No A, No B, unalt JBv
739238	950	1200	25	B	Red, br	Sand, Gravel, T fines	Low	Steep	Alt JBv ang frags, minor tr cpy
739239	950	1225	30	B-C	Tan	Sand, talus fines	Low	Very Steep	Road talus, poor B
739240	950	1250	25	B	Br, tan	Sand, loam	Mod	Very Steep	Above road, unalt JBv w/ minor py stringers
739241	900	1225	45	C-B	Gr br	Sand, Talus fines	Mod	Mod Steep	No A, Poor B, rusty alt JBv frags
739242	900	1250	15	B	Br, tan	Sand, loam	Mod	Steep	Road Talus
739243	900	1275	30	B	Med br	Sand, Silt	Mod-Low	Steep	Above road, fresh JBv oc
739244	850	1250	30	B	Or, br	Coarse sand	Low	Very Steep	Alt JBv gossan py frags, tr cpy?
739245	850	1275	20	B	Med gr br	Clay, sand loam	Low	Steep	Road talus, unalt JBv frags

## APPENDIX C

### SOIL SAMPLE GEOCHEMICAL DATA SHEET - Year 2003

PROJECT: JAS

NTS: 092C/080

Sample Number	Depth (cm)	Horizon	Colour	Particle Size	% Organic	Slope Gradient	Observations Remarks		
739186	2400	1100	10	B+C	Tan	Clay, rubble	Low	Steep	Poor smpl
739187	2400	1125	15	B	Or, tan	Sand	Mod	Mod-FI	Near creekbank - intense clay alt JBv oc
739188	2400	1150	20	B+C	Tan, or	Coarse rubble	Mod	Mod-FI	Abundant ang rusty JBv fl
739189	2400	1175	10	B	Br	Sand	Low	Mod-St	Unalt JBv
739190	2400	975	6	B	Med br	Sand, Silt	Mod	Mod	Alt JBv fl
739191	2400	950	6	B	Lt gr	Low	Mod	Mod	
739192	2450	1025	3	C	Br, or	Soil + talus fines	Low	Mod-St	Abundant rusty py alt JBv rubble
739193	2450	1050	2	A-B	Dk gr, or, br	Sand, Silt	Low	Mod	Minor JBv alt fl
739194	2450	1075	1	C	Br, or	Talus Fines	Low	Mod	Smpl above ferrocrete layer
739195	2450	1100	3	B-C	Br	Sand, Silt	Low	Mod	
739196	2450	1125	3	B	Med br	Coarse sand	Mod-High	Mod-FI	Smpl from creekbank, unalt JBv
739197	2450	1150	10	B	Or, br	Sand, Silt	Low	Mod	Alt JBv frags
739198	2450	1175	6	B	Br, or	Sand	Low	Steep	Minor JBv alt fl
739199	2450	1200	10	B	Lt tan	Rubble	Low	Steep	Unalt JBv oc
739200	1200	1125	15	B	Or, br	Sand, loam	Mod	Steep	Gossan soil, no frags
739201	1200	1150	20	B	Tan br or	Sand, rubble	Low	Mod-St	Minor gossan soil
739202	1200	1175	30	B	Tan, br	Sand, loam	Low	Very Steep	Unalt JBv fl
739203	1200	1200	10	B	Med br	Sand, Silt	Low	Mod	
739204	1250	1125	10	B	Med br	Sand, Silt	Low	Mod	
739205	1250	1150	5	B	Br, or	Sand, rubble	Low	Mod-St	Alt JBv pebbles
739206	1250	1175	15	A-B	Dk br, gr, bl	Clay, loam	Very high	Steep	No B, no frags
739207	1250	1200	20	B	Med br	Sand, Silt	Low	Very Steep	Rounded unalt JBv pebbles
739208	1300	1125	35	C-B	Yellow, tan or	Sand, talus fines	Low	Mod	Intensely alt ser lim and gossan frags
739209	1300	1150	10	B-C	Tan br or	Sand, talus fines	Low	Mod	No A, poor B, Intense alt frags
739210	1300	1175	20	B	Br, tan	Sand, clay	Mod	Steep	
739211	1300	1200	25	B	Or, br	Sand, fine rubble	Low	Very Steep	Gossan soil, alt JBv frags
739212	1350	1125	20	B	Yellow, tan or	Clay, sand, rubble	Mod-Low	Mod-St	Gossan soil, intense clay alt JBv frags
739213	1350	1150	20	B	Or, br	Sand, Silt	Mod-Low	Steep	Orange gossan soil
739214	1350	1175	25	B	Br, or	Coarse sand	Low	Steep	Minor rounded gossan pebbles
739215	1350	1200	35	B-C	Tan	Clay, talus fines	Mod	Steep	JBv frags, sericite

## APPENDIX C

### SOIL SAMPLE GEOCHEMICAL DATA SHEET - Year 2003

PROJECT: JAS

NTS: 092C/080

Sample Number	Location Northing	Location Easting	Depth (cm)	Horizon	Colour	Particle Size	% Organic	Slope Gradient	Observations Remarks
739151	2300	1000	10	B	Tan, or	Sand	Low	Steep	Ang alt JBv frags in local gossan soils
739152	2325	1000	10	B	Br, or	Sand	Mod	Mod	Minor alt JBv float
739153	2359	1000	5	B	Or, br	Talus fines	Low-Mod	Mod	No soil profile, abundant alt py JBv andesite
739154	2375	1000	15	B	Br, or	Sand, Silt	Low	Mod	Ferrocreeee frags in soil
739155	2400	1000	10	B	Lt Tan	Rubble	Mod	Mod	Unalt JBv
739156	2425	1000	5	B	Tan, br	Coarse	Low	Mod	alt JBv float
739157	2450	1000	3	B, No A	Tan, br	Fine Sand	Low	Flat	alt JBv float
739158	2475	1000	3	B	Tan, or	Lilt, Rubble	Low	Moderate	
739159	2250	1025	10	B	Tan, or	Sand, Rubble	Low	Very Steep	Abundant subrounded rusty alt JBv frags in soil
739160	2250	1050	15	B	Tan, or	Sand, Rubble	Mod	Mod Steep	Abundant rusty alt JBv small frags in soil
739161	2250	1075	10	B-C	Med br	Silt, sand, talus fines	Mod-High	Very Steep	Poor soil profile
739162	2250	1100	8	B	Med br	Silt, sand	Mod	Very Steep	Scarp - cliff sotps line
739163	2300	1025	10	B	Br, or	Sand, Rubble	Low	Steep	Alt JBv frags in soil
739164	2300	1050	20	C	Med br	Talus fines	Low	Steep	No soil profile, No A or B, unalt JBv andesite
739165	2300	1075	25	B-C	Lt med grey	Clay	Mod	Mod	Fresh ang JBv frags
739166	2300	1100	10	B	Lt tan	Sand	Very Low	Mod	Below scarp, Unalt JBv float, talus
739167	2300	1125	15	A	Dk gr bl	Fine	Very High	Very Steep	Below scarp, Unalt JBv float, talus
739168	2300	1150	10	B-C	Tan	V C Talus Fines	Low	Very Steep	Unalt JBv and oc
739169	2300	975	5	B	Tan	Clay	Very Low	Steep	
739170	2300	950	15	B	Br, or	Sand, Rubble	Mod	Steep	Minor alt JBv float
739171	2300	925	10	B	Tan, or, br	Fine Sand	Low	Steep	Minor Ferrocreeete
739172	2300	900	15	B	Or, br	Sand	Low	Steep	Minor alt JBv float
739173	2300	875	10	B	Med br	Sand, Silt	Low	Mod	
739174	2350	1025	15	B	Tan, br	Sand, Rubble	Mod	Very Steep	Alt rusty JBv float
739175	2350	1050	20	C-B	Tan, br, or	Rubble, decomposed C	Low	Very Steep	Alt rusty JBv float, intense clay altn
739176	2350	1075	10	A-C	Dk gr	Coarse Rubble	Mod	Very Steep	Below scarp, No B
739177	2350	1100	5	C	Med br, or	Coarse Sand	Mod	Very Steep	Minor rusty alt JBv float
739178	2350	1125	35	A-B	Dk gr bl	Loam	Very High	Very Steep	No Soil Profile, No B
739179	2350	1150	4	C	Br, tan	Coarse Talus Fines	Mod High	Very Steep	Unalt JBv and oc
739180	2350	975	10	B	Or, br	Silt, sand	Low	Steep	Alt JBv fl in soil
739181	2350	950	8	B	Tan	Sand	Mod	Steep	Minor alt JBv fl
739182	2350	925	10	B	Med Br	Silt, sand	Low	Steep	Alt Road Bank, similar to 739173
739183	2400	1025	7	B+C	Or, br	Sand	V Low	Mod	Rusty JBv alt oc
739184	2400	1050	3	B	Tan	Sand	Low	Mod	
739185	2400	1075	10	B	Tan, or	Sand	Low	Mod	Smpl above ferrocreeete layer



## APPENDIX C

### SOIL SAMPLE GEOCHEMICAL DATA SHEET - Year 2003

PROJECT: JAS

NTS: 092C/080

Sample Number		Depth (cm)	Horizon	Colour	Particle Size	% Organic	Slope Gradient	Observations Remarks	
739246	850	1300	10	B	Br, or	Sand	Low	Steep	Roadcut, JBv w/ x-cutting altn w/ py <20 cm
739247	2575	1000	15	B	Or,br	Loam, rubble	Mod high	Mod	Gossan soil, alt JBv frags
739248	2600	1000	5	B	Or, br	Loam, clay, sand	Mod	Mod	Gossan soil, no frags
739249	2625	1000	40	C-B	Gr br	Sand, Talus fines	Low	Mod	Unalt JBv oc
739250	2500	1025	20	B-C	Br, or	Clay, sand, rubble	Mod	Steep	Alt JBv fl
739251	2500	1050	30	B	Yellow, tan or	Sandy loam	Low	Steep	Very gossanous soil
739252	2500	1075	20	A-B	Dk gr br	Loam, clay, rubble	Mod high	Steep	Alt rhyodacite 301809
739253	2500	1100	150	C, Till	Yellow, tan	Sand, rubble	Mod	Mod Steep	Bank, No A or B, intense sericite altn
739254	2500	1125	15	B	Lt tan, yellow	Clay	V Low	Mod Steep	Intense sericite altn in frags
739255	2550	1025	20	B	Med br	Sand, loam	Mod Low	Mod Steep	Fresh JBv frags
739256	2550	1050	10	B	Or br	Loam, sand	Low	Mod Steep	Gossan soil, alt JBv frags
739257	2550	1075	20	B	Br, or	Sand, loam	Mod	Steep	Minor gossan soil
739258	2550	1100	35	B-C	Tan	Clay, rubble	Low	Mod Steep	Sericite alt ang frags
739259	2550	1125	15	A-B-C	Med br	Humus, rubble	Mod	Very Steep	Poor soil development
739260	2600	1025	25	B	Br, or	Sand, loam	Low	Mod Fl	Alt JBv pebbles
739261	2600	1050	30	A-B-C	Gr, br, or	Clay, rubble	High	Mod Steep	Poor B, alt JBv fl
739262	2600	1075	20	B	Or, br	Sand, loam	Low	Mod Steep	Gossan soil, alt JBv frags
739263	2600	1100	15	B	Br, or	Sand, rubble	Mod	Steep	Alt JBv pebbles
739264	2600	1125	30	B	Tan, or, br	Sand	Very low	Mod Steep	Mod gossan soil
739265	2650	1025	10	B-A	Or br, dk gr	Sand, loam, clay	High	Mod	Gossan soil
739266	2650	1050	5	A-B-C	Dk br, tan or	Humus, sand rubble	Very high	Mod Steep	Poor B, alt JBv fl
739267	2650	1075	25	B-C	Dk gr br	Sand, rubble	Mod high	Steep	Minor alt JBv
739268	2650	1100	20	B-A	Br	Sand, Loam	Mod	Mod	No frags or pebbgles
739269	2650	1125	30	b	Med br	Sand, Loam	Mod	Mod Steep	No frags or pebbgles, unalt JBv talus
739270	1300	975	10	B-C	Med gr	Sand, Talus fines	V Low	Mod	Orientation smpl, below MS Pan Road Showing

## APPENDIX C

### GEOCHEMICAL DATA SHEET - PAN SOIL SAMPLE GRID - YEAR 2003

#### ROCK CHIP SAMPLING

PROJECT: JAS

NTS: 092C/080

Sample Number	Location		Rock Type	Sample Type	Width	Alteration	Weathering	Mineralization	Observations Remarks
	Northing	Easting							
301807	2865	1060	JBv andesite	Rep chip	1.0 m AW	Limonite Sericite Minor Jarosite	Mod Fresh	VFG dess py <3% Tr cpy	Sx 739470 Sample 1 of Interval
301808	2865	1060	JBv andesite	Rep chip	1.0 m AW	Limonite Sericite Minor Jarosite	Mod Fresh	VFG dess py <3% Tr cpy	Sx 739470 Sample 2 of Interval
301809	2500	1075	JBv Altered Rhyodacite	Rep chip	1.0 m AW	Advanced Argillic Silicic	Mod Weathered Boxworks	FG dess py Py veinlets	Sx 739252 "Alt Bx Pyritic Rhodacite"
301810	1650	1175	JBv Altered Rhyolite? Felsite	Grab Float	0.15 m AW	Sericite Clay Silification	Weathered Boxworks	Sph 5-10% Py 5- 10% Cpy 1-3% Gn 1-3%	Sx 739222 "Alt Pyritic Rhyolite" Float frags and broken cobbles of semi-massive sulphide

## APPENDIX C

### GEOCHEMICAL DATA SHEET - PAN SOIL SAMPLE GRID - YEAR 2003

#### ROCK CHIP SAMPLING

PROJECT: JAS

NTS: 092C/080

Sample Number	Location Northing	Location Easting	Rock Type	Sample Type	Width	Alteration	Weathering	Mineralization	Observations Remarks
301807	2865	1060	JBv andesite	Rep chip	1.0 m AW	Limonite Sericite Minor Jarosite	Mod Fresh	VFG dess py <3% Tr cpy	Sx 739470 Sample 1 of Interval
301808	2865	1060	JBv andesite	Rep chip	1.0 m AW	Limonite Sericite Minor Jarosite	Mod Fresh	VFG dess py <3% Tr cpy	Sx 739470 Sample 2 of Interval
301809	2500	1075	JBv Altered Rhyodacite	Rep chip	1.0 m AW	Advanced Argillic Silicic	Mod Weathered Boxworks	FG dess py Py veinlets	Sx 739252 "Alt Bx Pyritic Rhodacite"
301810	1650	1175	JBv Altered Rhyolite? Felsite	Grab Float	0.15 m AW	Sericite Clay Silification	Weathered Boxworks	Sph 5-10% Py 5- 10% Cpy 1-3% Gn 1-3%	Sx 739222 "Alt Pyritic Rhyolite" Float frags and broken cobbles of semi-massive sulphide

## Appendix D

### Arnex Resources Ltd Contractor Time Record

**Contractor Name:** \_ A. Birkeland

**Contract Period:** 2003-08-26 to 2003-09-17

Date	Project	Description	# Days
27-Aug-03	Jas	Base Maps, Mob for Trip	1.0
28-Aug-03	Jas	Travel - Orientation	1.0
29-Aug-03	Jas	Soil Geochemical Field Program	1.0
30-Aug-03	Jas	Soil Geochemical Field Program	1.0
31-Aug-03	Jas	Soil Geochemical Field Program	1.0
1-Sep-03	Jas	Soil Geochemical Field Program	1.0
2-Sep-03	Jas	Soil Geochemical Field Program	1.0
3-Sep-03	Jas	Soil Geochemical Field Program	1.0
4-Sep-03	Jas	Soil Geochemical Field Program	1.0
5-Sep-03	Jas	Soil Geochemical Field Program - Travel	1.0
8-Sep-03	Jas	Soil Geochemical Field Program - Travel	1.0
9-Sep-03	Jas	Soil Geochemical Field Program	1.0
10-Sep-03	Jas	Soil Geochemical Field Program	1.0
11-Sep-03	Jas	Soil Geochemical Field Program	1.0
12-Sep-03	Jas	Soil Geochemical Field Program	1.0
13-Sep-03	Jas	Soil Geochemical Field Program	1.0
14-Sep-03	Jas	Soil Geochemical Field Program	1.0
15-Sep-03	Jas	Soil Geochemical Field Program	1.0
16-Sep-03	Jas	Soil Geochemical Field Program - Travel	1.0
17-Sep-03	Jas	Sample Prep - Demob	1.0
		<b>Total</b>	<b>20.00</b>

**Contractor Name:** \_ S. Vergottini

**Contract Period:** 2003-08-28 to 2003-09-01

Date	Project	Description	# Days
28-Aug-03	Jas	Travel - Orientation	1.0
29-Aug-03	Jas	Soil Geochemical Field Program	1.0
30-Aug-03	Jas	Soil Geochemical Field Program	1.0
31-Aug-03	Jas	Soil Geochemical Field Program	1.0
1-Sep-03	Jas	Soil Geochemical Field Program - Travel	1.0
		<b>Total</b>	<b>5.00</b>

**Contractor Name:** \_ P. Beaupre

**Contract Period:** 2003-08-28 to 2003-09-01

Date	Project	Description	# Days
28-Aug-03	Jas	Travel - Orientation	1.0
29-Aug-03	Jas	Soil Geochemical Field Program	1.0
30-Aug-03	Jas	Soil Geochemical Field Program	1.0
31-Aug-03	Jas	Soil Geochemical Field Program	1.0
1-Sep-03	Jas	Soil Geochemical Field Program - Travel	1.0
		<b>Total</b>	<b>5.00</b>