# Soil Geochemical Assessment Report

## Pie Claims

NTS 94F/6E, 7W

Omineca Mining Division

Latitude: 57° 28′ N Longitude 125° 00′ W

Owner: Ecstall Mining Corporation

Operator: Minnova Inc.

Pie 92 Group

Pie 1
Pie 2
Pie 5
Pie 6
Pie 7
Pie 10
Pie 11
Pie 99
Pie 100



G. S. Wells

Minnova Inc.

November 1992

Vancouver, B.C.

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# Soil Geochemical Assessment Report
# Pie Claims

## 1. INTRODUCTION

Minnova acquired an option on the PIE claims from Ecstall Mining Corporation in June, 1992 to evaluate their potential for hosting a SEDEX-style Ba-Pb-Zn massive sulphide deposit. This report describes results of soil geochemical surveys carried out on the PIE 1, 2 and 7 claims during the period July 26th to 29th, 1992 inclusive.

### a. Location, Access and Physiography

The Pie claims are located in the western ranges of the Rocky Mountains, 250 km northwest of MacKenzie, B.C. (Figure 1). Fort Ware, a small native community and Fletcher Challenge's Finbow logging camp are located on the Finlay River, 40 km west and 35 km southwest of the claims respectively.

Access to the area is improving due to logging and mining activity. The Stronsay mine road is located in the Paul River valley just west of the north end of the Pie claims. Logging activity in the Del creek watershed should provide access to the south end of the Pie claim group by 1994. During the current exploration program, the property was accessed using a Pacific Western Bell 206B helicopter which was based at the Finbow logging camp.

Topographic relief on the Pie claims is moderate to steep with elevations ranging between 1200 and 2100 meters ASL. Most of the area is above tree line which occurs at an elevation of approximately 1600 m. Creek valleys are covered with a dense forest of mature spruce, balsam and pine.

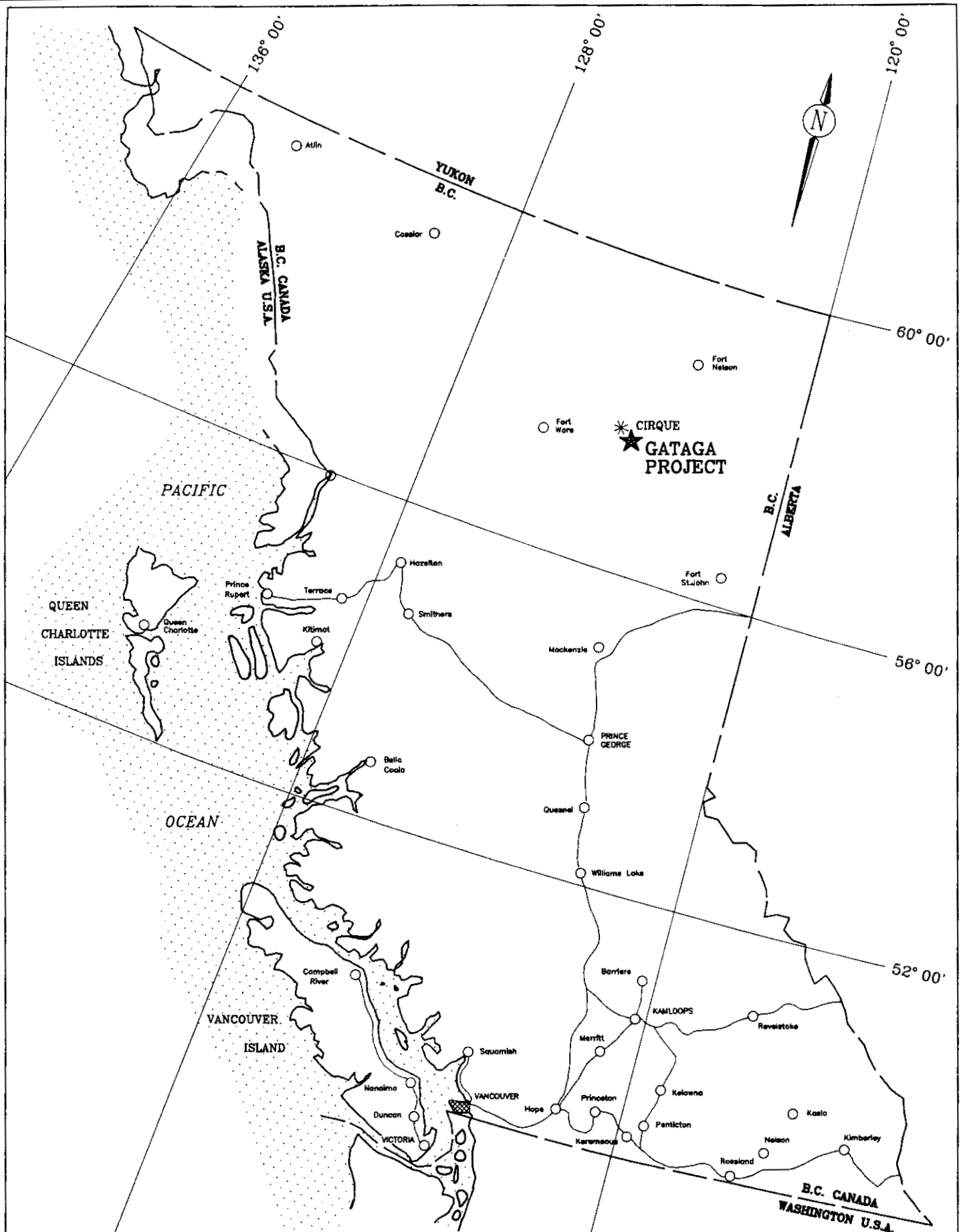



**FIGURE 1**

# GATAGA PROJECT LOCATION MAP

MINNOVA Inc.

FILE: PIEASS

b. Mineral Rights

The soil sampling was carried out on the PIE 1, 2 and 7 claims which form part of the PIE92 group (Figure 2). The status of these claims is as follows:

| Claim | Title Number | # of Units | Month of Record |
|---|---|---|---|
| Pie 1 | 238030 | 18 | July |
| Pie 2 | 238031 | 18 | July |
| Pie 5 | 238034 | 12 | July |
| Pie 6 | 238035 | 12 | July |
| Pie 7 | 238036 | 6 | July |
| Pie 10 | 238047 | 6 | Sept |
| Pie 11 | 238048 | 6 | Sept |
| Pie 99 | 241335 | 10 | Oct |
| Pie 100 | 309109 | 12 | May |

c. Previous Work

The Pie claims were staked by Riocanex in 1978 following the discovery of the Cirque deposit (30 m tonnes @ 8.1% Zn, 2.2% Pb) by Cyprus Anvil and Hudson Bay Oil and Gas in 1977. Exploration work during the period of 1978 to 1982 consisted of soil geochemical surveys, limited VLF and HEM surveys, geological mapping, hand trenching and nine diamond drill holes (2365 m). This work discovered several barite and galena showings that occur near the contact between mid-Devonian Kwadacha limestones and upper Devonian Gunsteel shales (Figure 3). In addition, three areas of sphalerite mineralization were discovered in the limestones. The soil geochemical surveys outlined several large Pb-Zn anomalies which straddle the limestone-shale contact in the vicinity of the galena and barite showings.

Since 1982, the property has been controlled by Ecstall Mining Corporation and has remained largely dormant except for an airborne VLF-Mag survey which Ecstall did in 1991.

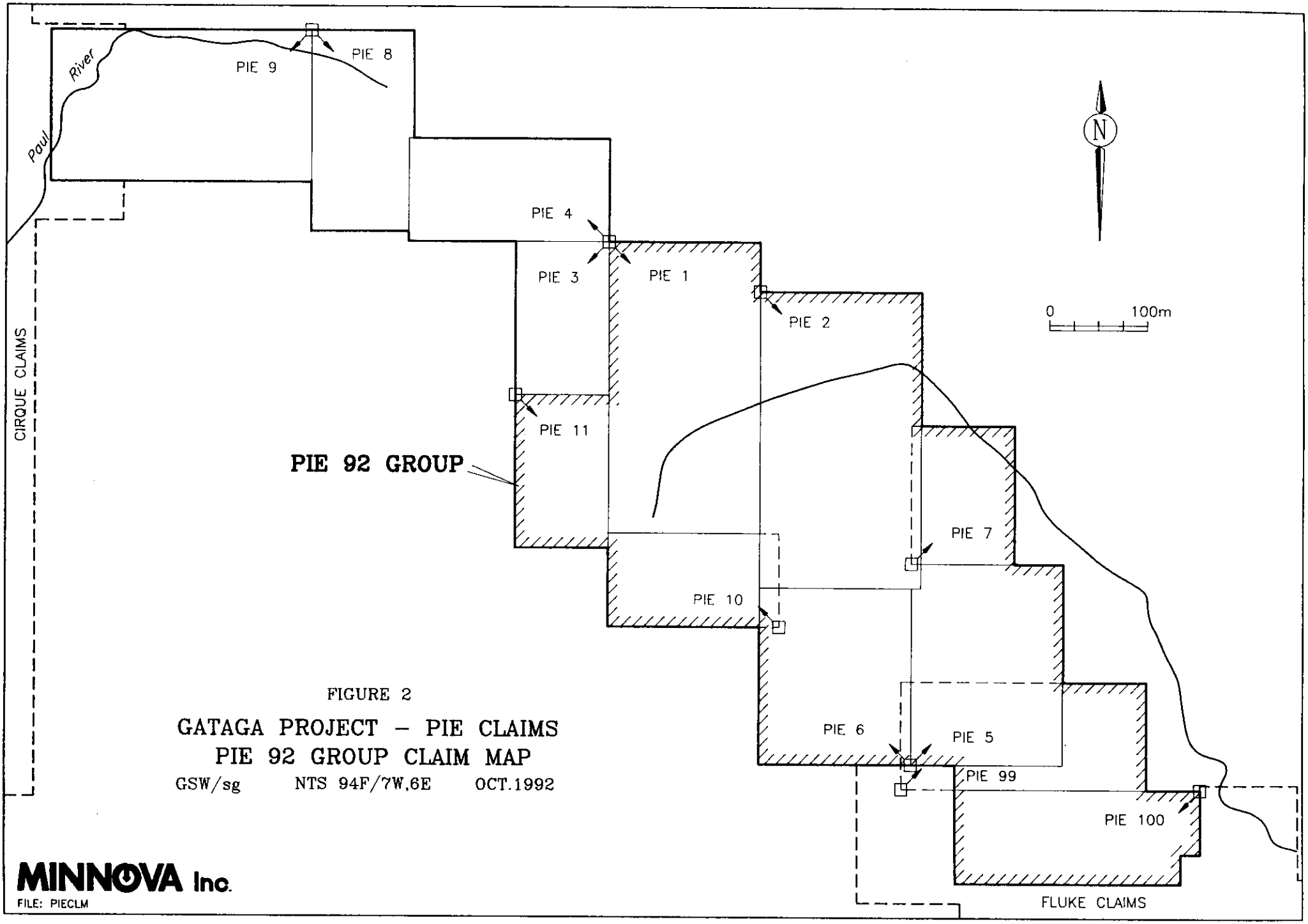



FIGURE 2

# GATAGA PROJECT – PIE CLAIMS
## PIE 92 GROUP CLAIM MAP

GSW/sg NTS 94F/7W,6E OCT.1992

MINNOVA Inc.

FILE: PIECLM

## 2. GEOLOGY

### a. Regional

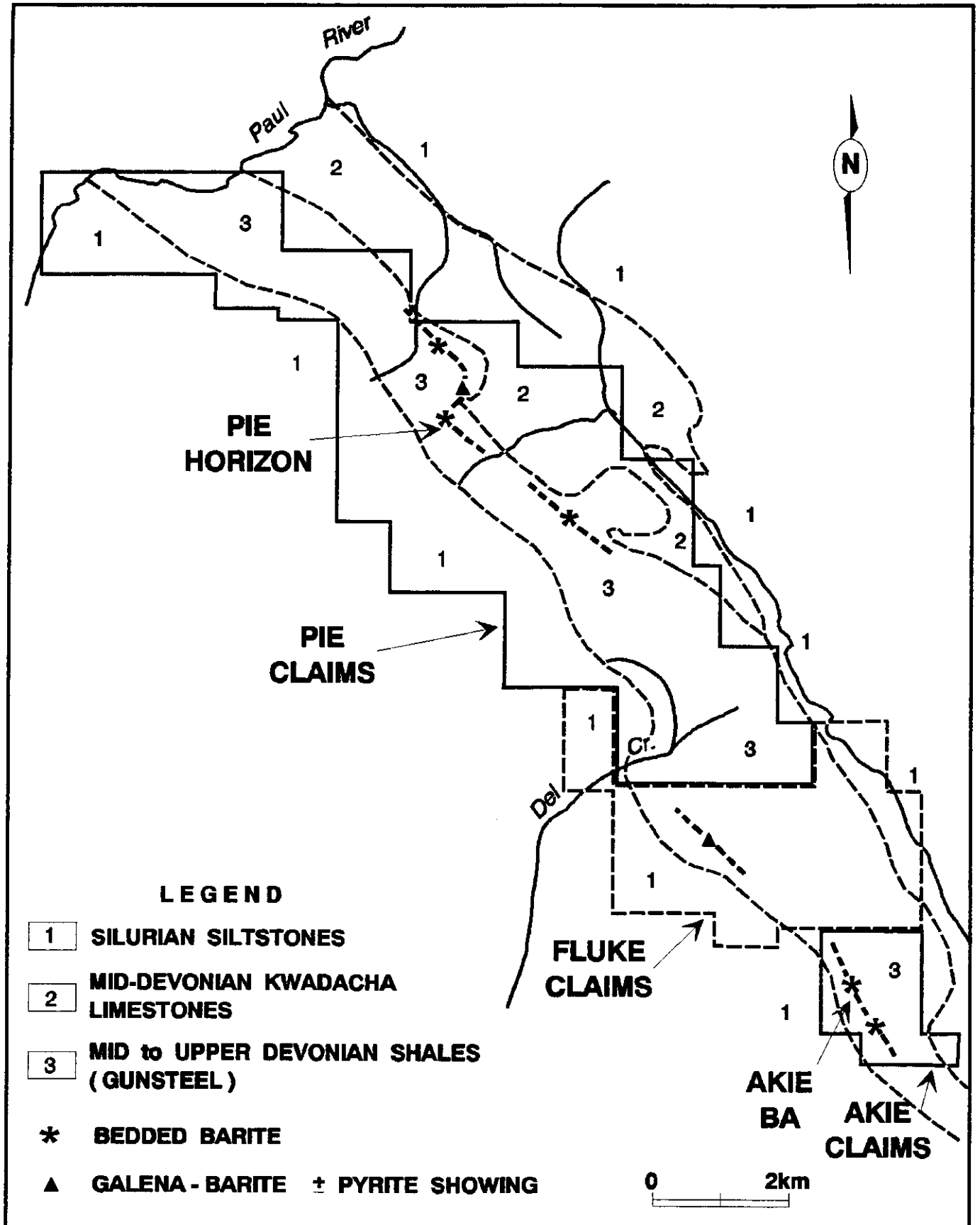
The Pie claims occur on the northeastern margin of the Kechika Trough which is the southeastern extension of the Selwyn Basin - a 1200 km belt of sediments which formed off the western edge of ancestral North America. The Kechika Trough is a 180 km long, northwesterly trending belt of Early Cambrian to Triassic sediments which occur in a number of southwest dipping thrust fault slices. A detailed review of the stratigraphy and descriptions of the various formations is given by MacIntyre (1992).

Exploration activity in the area has concentrated on stratiform barite - sulphide showings which are hosted in Devonian shales. Notable occurrences in the belt include Driftpile, Mt. Alcock, Elf and Cirque. The most developed prospect is the Cirque deposit which contains an estimated 30 m Tonnes @ 8.1% Zn and 2.2% Pb.

### b. Local

The generalized stratigraphy of the Pie claims is presented in Figure 4. The claim group is underlain by 3 northwesterly trending zones of sediments (Figure 3). The most western belt consists of brown to orange weathering Silurian siltstones. The middle unit consists of recessive, steel grey to black weathering upper Devonian shales and siltstones. The most eastern belt of rocks consists of grey weathering, fossiliferous limestones of the mid-Devonian Kwadacha formation. More detailed descriptions of these units are given in a paper prepared by MacIntrye (1992).

The area is structurally complex due to a combination of folding and thrust faulting. The Kwadacha limestone is folded in a gentle anticlinal structure and the overlying Akie and Gunsteel shales and siltstones are folded into a slightly overturned



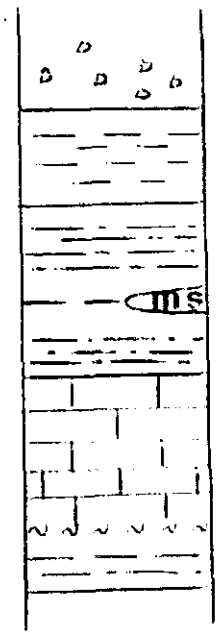

# PIE + AKIE CLAIMS
# REGIONAL GEOLOGY

FIGURE 3

MINNOVA Inc.
PIEBW

## FIGURE 4 : GENERALIZED STRATIGRAPHY – SOUTH GATAGA AREA

(after MacIntyre 1992)



| AGE | GROUP | FORMATION | ROCK TYPES |
|---|---|---|---|
| U Devonian, Mississippian | Earn | Warneford | chert pebble conglomerate |
| | | Akie | siltstone |
| Mid – Upper Devonian | Earn | Gunsteel | shale,bedded – nodular barite,mass sulphides |
| Lower – Mid Devonian | Road River | Kwadacha | fossiliferous limestones |
| Silurian | Road River | | shales,siltstones, cherts |

syncline. The Silurian siltstones are in thrust fault contact with the Devonian shales and appear to overly these younger rocks.

Mineralization on the Pie claims consists of 2 types. Disseminated sphalerite showings occur in the Kwadacha limestones. The second type of mineralization consists of stratiform bedded barite +/- galena which occurs at or near the contact between the limestones and shales.

## 3. SOIL GEOCHEMISTRY

### a. Survey Objectives

A multi-element ICP soil survey was carried out over parts of the Pie claims

i. to confirm the location of previously defined Pb-Zn anomalies

ii. to trace the barite horizons in areas of vegetation cover and

iii. to identify multi-element anomalies which may be associated with a hidden barite-sphalerite-galena massive sulphide zone.

### b. Sampling Procedures

Work was done on widely spaced (200m), northeasterly trending, flagged lines in the vicinity of the Pie galena occurrence and isolated airborne anomalies (see Figure 3). Samples of the B soil horizon were taken at 25 meter intervals along these lines. The B horizon is usually well developed, grey to brown in colour and occurs at depths ranging between 5 and 20cm below the surface. Samples varying in size between 300 and 500 grams were placed in Kraft paper bags. Samples were dried in the field and then sent to IPL Labs in Vancouver for analysis. Each sample was

analyzed for Cu, Pb, Zn, Ag, Cd, Fe, Mn and Ba using an ICP technique. Laboratory procedures for sample preparation and analysis are included in Appendix I.

Analytical certificates are included in Appendix II and the data is plotted at a 1:5000 scale on Figure 5a-d. Statistical data for soil sampling on the Pie claims is presented in Table 1. Frequency histograms were generated for each element to determine the type of population distribution (normal or log normal). Anomalous values are those greater than mean +2 standard deviations for normal populations or geometric mean + 2 standard deviations for log normal populations.

c. Results

i. Pie A Grid

The Pie A grid covers the Kwadacha limestone - Gunsteel shale contact in the vicinity of the Pie galena and bedded barite occurrences (Figures 5a-d). Four of the lines (64N-70N incl.) were extended over a hill of Gunsteel shale that occurs northeast of the showings.

Pb

Numerous highly anomalous Pb values are found on the PIE A grid. Anomaly A is a wide zone of Pb enrichment which is underlain primarily by limestones of the Kwadacha formation. Anomaly B is a 5 point zone near the west end of line 68N which corresponds to the PIE galena showing. Weak 1 point anomalies located along strike and north of this zone may correlate with the mineralized horizon.

Zn

Zinc soil anomalies are coincident with the Pb anomalies. Anomaly A is restricted to the limestones and Anomaly B is

## Table 1 : PIE SOIL SAMPLES – STATISTICAL DATA

| ELEMENT | UNITS | N | MINIMUM | MAXIMUM | DISTRIBUTION | MEAN | STANDARD DEVIATION | ANOMALOUS VALUES |
|---|---|---|---|---|---|---|---|---|
| Ag | ppm | 283 | 0.05 | 5.1 | normal | 0.70 | 0.89 | 2.48 |
| Ba | ppm | 273 | 693.00 | 25481.0 | log normal | 2023.00 | 1.86 | 6982.00 |
| Cd | ppm | 277 | 0.05 | 71.9 | normal | 1.42 | 2.68 | 6.78 |
| Cu | ppm | 264 | 7.00 | 114.0 | normal | 21.10 | 9.20 | 39.60 |
| Fe | % | 267 | 0.50 | 15.5 | normal | 2.21 | 0.86 | 3.93 |
| Mn | ppm | 281 | 16.00 | 2341.0 | log normal | 120.00 | 2.97 | 1059.00 |
| Pb | ppm | 233 | 6.00 | 3175.0 | log normal | 30.80 | 2.00 | 123.00 |
| Zn | ppm | 237 | 27.00 | 18048.0 | log normal | 193.20 | 2.22 | 955.00 |

pie statistics, november 1992/gsw

associated with the showing. One sample in the latter area yielded a value of 18048 ppm (i.e. 1.8% Zn).

Cu

A weak, 400 meter long Cu anomaly (A) occurs near the eastern edge of lines 64N, 66N and 68N. The anomaly is hosted in Gunsteel shales but may mark the contact with the Kwadacha limestones.

Cd

A 200 meter wide zone of cadmium enrichment occurs on line 64N and is open to the south. This anomaly and other isolated Cd highs correlate with high Pb and Zn soil values in areas underlain by limestone.

Fe

Two areas of iron enrichment are noted on the PIE A grid. Anomaly A which occurs near the eastern edge of lines 64N, 66N and 68N is hosted in the Gunsteel shales and is coincident with a weak copper soil anomaly. Anomaly B occurs near the western end of line 68N. It correlates with the PIE galena showing and has a coincident Pb and Zn soil anomaly.

Mn

An area of anomalous Mn occurs on line 78N. This area is underlain by Kwadacha limestone. Lead and spotty zinc, cadmium and copper soil anomalies are associated with this area of Mn enrichment.

Ag

Silver soil values on the PIE A grid are generally low. The only anomalous area occurs near the west ends of lines 64N, 66N and 68N. This area is underlain by Gunsteel shales and also has coincident Fe and Cu anomalies.

Ba

Barium soil values on the PIE A grid are generally low except for 2 areas of highly anomalous values (up to 2.5% Ba). Anomaly A occurs in the vicinity of BL 3800E between 67N and 75+50N. It corresponds to an abundance of bedded and blebby baritic float which occurs near the contact between the Kwadacha limestones and overlying Gunsteel shales.

Anomaly B occurs near the west end of lines 68N and 70N and has not been completely defined. The very high Ba values (up to 2.5% Ba) suggest that the anomaly is associated with a barite horizon.

ii. Pie B Grid

The Pie B grid is located to the south of the PIE A grid in an area of isolated airborne EM anomalies (Figures 5a-d). It is underlain by Gunsteel shales. Metal values in the soils taken on this grid are generally low but 2 anomalous areas have been identified.

Anomaly A occurs at the east end of lines 0 and 2N. It contains anomalous Zn, Ag, Cu and Fe values. The zone is open to the east, north and south.

Anomaly B is a 1 point sample which has anomalous Zn, Cu, Fe and Cd values. The strike extent of this zone has not been evaluated. The anomaly may mark the contact between the shales and limestones.

## 4. CONCLUSIONS AND RECOMMENDATIONS

Soil sampling was carried out over two grids on the Pie claims. A total 283 samples were collected and analyzed for 8 elements (Pb, Zn, Ag, Ba, Cu, Fe, Mn, Cd) using ICP techniques.

The PIE A grid covered the contact between Kwadacha limestones and Gunsteel shales in the vicinity of the PIE galena and barite showings. The soils from areas underlain by limestone

have highly anomalous Pb, Zn and Cd values. The soils from the PIE galena showing have anomalous Pb, Zn, Fe, Cu and Cd values. Isolated 1 point Pb anomalies located north of the showing on lines 72N and 70N may represent the extension of the mineralization. The survey was quite successful in defining a Ba soil anomaly associated with the barite occurrences. An open-ended Ba anomaly located near the west end of lines 68N and 70N is interpreted to be associated with a new barite occurrence. A Cu, Fe, Ag anomaly is associated with shales located near the eastern end of lines 64N, 66N and 68N. This anomaly may be marking mineralization which occurs at the contact between limestones and shales.

The PIE B grid covered an area of isolated airborne EM anomalies located south of the PIE galena showings. An open-ended, multi-element (Zn, Ag, Cu, Fe) soil anomaly is located at the eastern end of all 3 lines. A one point Zn, Cu, Fe and Cd anomaly located at the western edge of the most northern line may occur at the contact between the shales and limestones.

The multi-element soil survey successfully defined anomalous areas in limestones and shales. All of the zones defined by this work require ground followup in the form of prospecting, trenching and/or diamond drilling to see if the anomalies are associated with economic mineralization. In addition, further soil sampling will be required to determine the extent of some of the anomalies.

Gary Wells

5. COST STATEMENT

Claim Group PIE 92 filed for $16,000

-work done on claims PIE 1, 2 and 7

1. Salaries

| | | |
|---|---|---|
| M. Lorimer | 5 days @ $125/day | $625 |
| S. McCallum | 5 days @ $125/day | $625 |
| S. Blower | 2 days @ $300/day | $600 |
| G. S. Wells | 3 days @ $350/day | $1050 |

2. Transportation

| | |
|---|---|
| Truck rental and gas | $500 |
| Helicopter charter 9 hrs @ $800/hr | $7200 |
| Air Service - McKenzie-Finbow (pro-rated crew mob-demob + sample shipments) | $400 |

3. Accommodation/food at Finbow Camp

| | |
|---|---|
| 15 man days @ $75/day (includes helicopter pilot) | $1125 |

4. Analysis

| | |
|---|---|
| 283 samples @ $6.00/sample | $1698 |

5. Drafting

| | |
|---|---|
| S. Gokool 2 days @ $150/day | 300.00 |
| computer + plotting time | 100.00 |
| | $14,223.00 |
| PAC withdrawl | $ 1,777.00 |
| Total | $16,000.00 |

## 6. REFERENCES

MacIntrye, D.G. 1992; Geological setting and genesis of sedimentary exhalitive barite and barite-sulphide deposits, Gataga district, northeastern British Columbia. Exploration and Mining Geology Vol. 1 pp. 1-20.

## 7. STATEMENT OF QUALIFICATIONS

I, Gary S. Wells, hereby certify that:

1. I hold an Honours Bachelor of Science degree in combined geology and chemistry (1975) from Carleton University, Ottawa, Ontario and a Ph.D degree in geology (1980) from Queen's University, Kingston, Ontario.

2. I am an associate member of the Geological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.

3. I have practised by profession in exploration continuously since graduation in 1980.

Gary Wells

Date: November 14, 1992

Gary S. Wells
Vancouver, B. C.

# Appendix I

## Sample Preparation and Analytical Procedures

iPL
INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

## Method of sample preparation for Soil or Silt

(a) Water content in sample is removed by convection in a low temperature dryer (T < 60 Degrees C.).

(b) Dried samples are passed through an 80 mesh sieve. The minus 80 mesh fraction is transferred to a new bag for subsequent analyses. The plus 80 mesh fraction is discarded unless otherwise instructed.

(c) If an insufficient amount of sample is less than 80 Mesh, the entire sample is passed through a 35 Mesh screen. The -35 Fraction is then pulverized and used as the portion for analyses.

QUALITY CONTROL

Cross contamination is minimized by constant cleaning of preparation equipment with high velocity compressed air. Ring pulverizers are cleaned with a quartz sand charge.

iPL
INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

## Method of ICP Multi-element Analyses

(a) 0.50 grams of sample is digested with diluted aqua regia solution by heating in a hot water bath for 90 minutes, then cooled, bulked up to a fixed volume with demineralized water, and thoroughly mixed.

(b) The specific elements are determined using an Inductively Coupled Argon Plasma spectrophotometer. All elements are corrected for inter-element interference. All data are subsequently stored onto computer diskette.

* Aqua regia leaching is partial for Al,Ba,Ca,Cr,K,La,Mg,Na,Sc,Sn,Sr,Th,Ti,W and Zr.

QUALITY CONTROL

The machine is first calibrated using six known standards and a blank. The test samples are then run in batches.

A sample batch consists of 38 or less samples. Two tubes are placed before a set. These are an Inhouse standard and an acid blank, which are both digested with the samples. A known standard with characteristics best matching the samples is chosen and placed after every fifteenth sample. After every 38th sample (not including standards), two samples, chosen at random, are reweighed and analysed. At the end of a batch, the standard and blank used at the beginning is rerun. The readings for these knowns are compared with the pre-rack knowns to detect any calibration drift.

# Appendix II

## Analytical Certificates

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver B.C.
Canada V5 1
Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200591 M Minnova Canada
Project: 677

In: Aug 05, 1992
Out: Aug 10, 1992

255 Soil



Section 1 of 1
Certified BC Assayer David Chiu

| Sample Name | | Ag ppm | Cu ppm | Pb ppm | Zn ppm | Cd ppm | Ba ppm | Mn ppm | Fe % |
|---|---|---|---|---|---|---|---|---|---|
| L 0+00N | 0+25E | S 0.5 | 21 | 15 | 84 | <0.1 | 1027 | 41 | 1.29 |
| L 0+00N | 0+50E | S 0.8 | 34 | 23 | 238 | <0.1 | 1155 | 63 | 2.77 |
| L 0+00N | 0+75E | S 0.5 | 26 | 18 | 138 | <0.1 | 1122 | 53 | 1.85 |
| L 0+00N | 1+25E | S 0.5 | 31 | 27 | 143 | <0.1 | 1773 | 36 | 2.05 |
| L 0+00N | 1+75E | S 0.4 | 23 | 17 | 76 | <0.1 | 693 | 53 | 2.01 |
| L 0+00N | 2+00E | S 1.4 | 39 | 26 | 195 | <0.1 | 1005 | 51 | 2.41 |
| L 0+00N | 2+50E | S 0.2 | 47 | 24 | 193 | <0.1 | 1382 | 39 | 3.20 |
| L 0+00N | 2+75E | S 0.3 | 42 | 17 | 140 | <0.1 | 1129 | 68 | 2.43 |
| L 0+00N | 3+00E | S 0.4 | 23 | 21 | 119 | <0.1 | 1018 | 41 | 1.46 |
| L 0+00N | 3+50E | S 3.3 | 94 | 26 | 1087 | 4.1 | 754 | 220 | 7.75 |
| L 0+00N | 0+25W | S 0.2 | 16 | 34 | 67 | <0.1 | 4388 | 59 | 2.25 |
| L 0+00N | 0+50W | S 0.5 | 39 | 28 | 220 | <0.1 | 3284 | 101 | 4.42 |
| L 0+00N | 0+75W | S 0.3 | 19 | 53 | 123 | <0.1 | 4231 | 73 | 4.73 |
| L 0+00N | 1+00W | S 0.3 | 21 | 17 | 143 | <0.1 | 3564 | 144 | 2.07 |
| L 0+00N | 1+50W | S 0.5 | 28 | 25 | 225 | <0.1 | 4193 | 79 | 3.64 |
| L 0+00N | 2+25W | S 0.9 | 36 | 26 | 227 | <0.1 | 2977 | 110 | 3.58 |
| L 0+00N | 2+50W | S 0.4 | 33 | 19 | 211 | <0.1 | 2876 | 152 | 3.24 |
| L 0+00N | 2+75W | S 0.4 | 31 | 15 | 218 | <0.1 | 2824 | 318 | 2.61 |
| L 0+00N | 3+00W | S 0.6 | 37 | 10 | 122 | <0.1 | 2.3% | 310 | 3.31 |
| L 0+00N | 3+25W | S 0.4 | 18 | 22 | 113 | <0.1 | 8071 | 51 | 1.77 |
| L 0+00N | 3+50W | S 0.4 | 10 | 11 | 50 | <0.1 | 3639 | 110 | 1.09 |
| L 0+00N | 4+00W | S 1.2 | 25 | 22 | 89 | <0.1 | 5562 | 36 | 3.09 |
| L 0+00N | 4+25W | S 2.0 | 77 | 6 | 289 | <0.1 | 2549 | 282 | 7.63 |
| L 0+00N | 4+75W | S 0.2 | 8 | 5 | 39 | <0.1 | 2045 | 174 | 0.67 |
| L 0+00N | 5+00W | S 0.1 | 19 | 8 | 144 | <0.1 | 1594 | 128 | 1.96 |
| L 2+00N | 0+25E | S 0.6 | 20 | 353 | 82 | <0.1 | 5960 | 36 | 2.94 |
| L 2+00N | 0+50E | S 0.8 | 15 | 382 | 62 | <0.1 | 1979 | 62 | 3.84 |
| L 2+00N | 0+75E AC | S 0.7 | 12 | 109 | 56 | <0.1 | 5212 | 29 | 2.27 |
| L 2+00N | 0+75E PC | S 0.3 | 26 | 21 | 145 | <0.1 | 1425 | 46 | 1.99 |
| L 2+00N | 1+00E | S 0.7 | 18 | 29 | 89 | <0.1 | 1090 | 102 | 2.03 |
| L 2+00N | 1+25E | S 0.7 | 23 | 28 | 80 | <0.1 | 916 | 41 | 1.76 |
| L 2+00N | 1+50E | S 1.4 | 36 | 31 | 113 | <0.1 | 1076 | 38 | 2.44 |
| L 2+00N | 1+75E | S 1.3 | 26 | 22 | 125 | <0.1 | 1049 | 63 | 2.23 |
| L 2+00N | 2+00E | S 0.4 | 31 | 19 | 135 | <0.1 | 918 | 49 | 1.99 |
| L 2+00N | 2+25E | S 0.4 | 31 | 16 | 179 | <0.1 | 712 | 32 | 1.85 |
| L 2+00N | 2+75E | S 0.5 | 29 | 34 | 108 | <0.1 | 1568 | 25 | 2.85 |
| L 2+00N | 3+00E | S 0.7 | 31 | 53 | 265 | 0.3 | 1148 | 40 | 2.32 |
| L 2+00N | 3+75E | S 5.1 | 114 | 46 | 1148 | 13.3 | 732 | 2341 | 10.79 |
| L 2+00N | 4+00E | S 2.3 | 76 | 43 | 345 | 1.1 | 966 | 237 | 6.89 |

| Sample Name | | Ag ppm | Cu ppm | Pb ppm | Zn ppm | Cd ppm | Ba ppm | Mn ppm | Fe % |
|---|---|---|---|---|---|---|---|---|---|
| L 2+00N | 4+25E | S 1.7 | 55 | 21 | 308 | 0.2 | 976 | 106 | 5.08 |
| L 2+00N | 4+50E | S 2.2 | 81 | 44 | 327 | 0.8 | 1062 | 175 | 7.65 |
| L 2+00N | 5+00E | S 2.2 | 75 | 38 | 323 | 0.7 | 979 | 152 | 6.91 |
| L 2+00S | 0+00 BL | S 0.8 | 27 | 206 | 23 | <0.1 | 1.0% | 18 | 0.91 |
| L 2+00S | 0+25E | S 0.2 | 8 | 27 | 29 | <0.1 | 2387 | 43 | 0.78 |
| L 2+00S | 0+50E | S 0.6 | 7 | 57 | 20 | <0.1 | 4149 | 25 | 0.63 |
| L 2+00S | 0+75E | S 1.1 | 18 | 202 | 34 | <0.1 | 3019 | 23 | 2.81 |
| L 2+00S | 1+00E | S 2.7 | 30 | 166 | 117 | <0.1 | 7380 | 33 | 1.85 |
| L 2+00S | 1+25E | S 1.5 | 26 | 164 | 149 | <0.1 | 8357 | 40 | 2.45 |
| L 2+00S | 1+50E | S 0.5 | 17 | 115 | 50 | <0.1 | 6865 | 33 | 1.24 |
| L 2+00S | 2+00E | S 0.7 | 8 | 44 | 36 | <0.1 | 2387 | 36 | 0.93 |
| L 2+00S | 2+25E | S 0.4 | 8 | 34 | 33 | <0.1 | 4130 | 35 | 0.82 |
| L 2+00S | 2+75E | S 0.2 | 11 | 52 | 73 | <0.1 | 4211 | 48 | 1.32 |
| L 2+00S | 3+00E | S 0.3 | 8 | 47 | 35 | <0.1 | 2848 | 83 | 1.17 |
| L 2+00S | 3+25E | S 0.2 | 10 | 26 | 30 | <0.1 | 4053 | 25 | 0.72 |
| L 2+00S | 3+50E | S 0.1 | 10 | 21 | 24 | <0.1 | 3155 | 35 | 0.62 |
| L 2+00S | 3+75E | S 0.2 | 9 | 28 | 38 | <0.1 | 3644 | 44 | 1.00 |
| L 2+00S | 4+00E | S <0.1 | 8 | 15 | 37 | <0.1 | 3478 | 38 | 1.24 |
| L 2+00S | 0+50W | S 1.4 | 10 | 44 | 19 | <0.1 | 3525 | 30 | 0.58 |
| L 2+00S | 0+75W | S 1.0 | 17 | 161 | 29 | <0.1 | 6997 | 43 | 1.78 |
| L 2+00S | 1+00W | S 0.5 | 17 | 24 | 53 | <0.1 | 4763 | 32 | 1.21 |
| L 2+00S | 1+25W | S 0.5 | 20 | 32 | 102 | <0.1 | 3971 | 33 | 1.50 |
| L 2+00S | 1+50W | S 0.7 | 18 | 28 | 128 | <0.1 | 3895 | 77 | 1.88 |
| L 2+00S | 1+75W | S 0.3 | 18 | 31 | 80 | <0.1 | 2888 | 39 | 1.38 |
| L 2+00S | 2+50W | S 0.4 | 23 | 69 | 193 | <0.1 | 4035 | 37 | 2.17 |
| L 2+00S | 2+75W | S 0.4 | 30 | 32 | 225 | <0.1 | 3294 | 113 | 2.30 |
| L 2+00S | 3+00W | S 0.2 | 27 | 14 | 112 | <0.1 | 2374 | 47 | 1.33 |
| L 2+00S | 3+25W | S 0.9 | 27 | 17 | 137 | <0.1 | 2.3% | 224 | 2.63 |
| L 2+00S | 3+75W | S 0.1 | 13 | 16 | 68 | <0.1 | 3137 | 64 | 1.22 |
| L 2+00S | 4+00W | S 0.3 | 21 | 42 | 84 | <0.1 | 2759 | 48 | 1.78 |
| L 4+00N | 0+00E BL | S 0.4 | 42 | 38 | 272 | <0.1 | 6124 | 245 | 3.00 |
| L 4+00N | 0+25E AC | S 0.2 | 33 | 42 | 204 | <0.1 | 7735 | 185 | 2.69 |
| L 4+00N | 0+25E PC | S <0.1 | 25 | 31 | 69 | <0.1 | 1621 | 41 | 1.72 |
| L 4+00N | 0+50E | S 0.9 | 23 | 45 | 70 | <0.1 | 1566 | 27 | 1.47 |
| L 4+00N | 0+75E | S 0.9 | 56 | 67 | 318 | <0.1 | 1240 | 97 | 4.04 |
| L 4+00N | 1+00E | S 1.0 | 31 | 69 | 211 | <0.1 | 1471 | 36 | 2.69 |
| L 4+00N | 1+25E | S 0.3 | 22 | 44 | 95 | <0.1 | 1269 | 44 | 1.76 |
| L 4+00N | 2+50E | S 0.6 | 13 | 32 | 85 | <0.1 | 1056 | 44 | 1.31 |
| L 4+00N | 3+00E | S 1.3 | 11 | 28 | 71 | <0.1 | 917 | 66 | 0.99 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Min Limit | 0.1 | 1 | 2 | 1 | 0.1 | 2 | 1 | 0.01 | 0.1 | 1 | 2 | 1 | 0.1 | 2 | 1 | 0.01 |
| Max Reported* | 99.9 | 9999 | 9999 | 9999 | 99.9 | 9999 | 9999 | 99.99 | 99.9 | 9999 | 9999 | 9999 | 99.9 | 9999 | 9999 | 99.99 |
| Method | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP |

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200591 M  Minnova Canada  In: Aug 05, 1992  Page 2 of 4  Section 1 of 1
Project: 677  Out: Aug 10, 1992  255 Soil  Certified BC Assayer David Chiu

| Sample Name | | Ag ppm | Cu ppm | Pb ppm | Zn ppm | Cd ppm | Ba ppm | Mn ppm | Fe % |
|---|---|---|---|---|---|---|---|---|---|
| L 4+00N | 3+25E | S 1.5 | 35 | 59 | 88 | <0.1 | 1907 | 40 | 2.35 |
| L 4+00N | 3+50E | S 1.3 | 16 | 31 | 78 | <0.1 | 1115 | 44 | 1.37 |
| L 4+00N | 3+75E | S 0.4 | 13 | 32 | 103 | <0.1 | 1190 | 41 | 1.21 |
| L 4+00N | 0+25W | S 0.8 | 77 | 46 | 407 | 2.1 | 4988 | 1275 | 5.91 |
| L 4+00N | 0+25W | S 0.4 | 18 | 26 | 79 | <0.1 | 1111 | 57 | 1.47 |
| L 4+00N | 0+50W | S <0.1 | 13 | 17 | 75 | <0.1 | 1260 | 54 | 1.22 |
| L 4+00N | 0+75W | S 0.5 | 19 | 37 | 137 | <0.1 | 1729 | 115 | 2.56 |
| L 4+00N | 1+25W | S 0.2 | 27 | 23 | 165 | <0.1 | 1639 | 57 | 1.98 |
| L 4+00N | 1+50W | S 0.2 | 29 | 19 | 192 | <0.1 | 1436 | 64 | 1.82 |
| L 4+00N | 1+75W | S 0.2 | 10 | 14 | 72 | <0.1 | 2010 | 39 | 0.93 |
| L 4+00N | 2+00W | S 0.1 | 11 | 17 | 53 | <0.1 | 2922 | 16 | 0.73 |
| L 4+00N | 2+25W | S 2.5 | 61 | 34 | 2394 | 27.0 | 2779 | 681 | 6.76 |
| L 4+00N | 2+50W | S <0.1 | 11 | 30 | 280 | 2.5 | 1972 | 1097 | 1.79 |
| L 4+00N | 2+75W | S 0.1 | 9 | 33 | 369 | 0.8 | 1765 | 604 | 2.39 |
| L 4+00N | 3+00W | S <0.1 | 21 | 29 | 251 | 0.1 | 5592 | 57 | 3.11 |
| L 4+00N | 3+25W | S <0.1 | 10 | 25 | 322 | 0.5 | 2255 | 434 | 2.39 |
| L 4+00N | 3+50W | S 0.2 | 10 | 21 | 71 | <0.1 | 2762 | 24 | 1.05 |
| L 4+00N | 4+00W | S 0.3 | 12 | 23 | 72 | <0.1 | 2588 | 29 | 1.10 |
| L 6+00N | 0+00E | S 0.9 | 18 | 38 | 131 | 0.6 | 1782 | 1292 | 1.69 |
| L 6+00N | 0+25E | S 0.3 | 17 | 22 | 125 | 1.5 | 1224 | 603 | 1.56 |
| L 6+00N | 0+50E | S 0.1 | 18 | 16 | 174 | 1.8 | 1070 | 346 | 1.07 |
| L 6+00N | 0+75E | S 0.1 | 25 | 25 | 153 | 0.8 | 1496 | 203 | 1.77 |
| L 6+00N | 1+00E | S 0.1 | 19 | 20 | 178 | 1.5 | 907 | 283 | 1.14 |
| L 6+00N | 0+25W | S 0.1 | 31 | 26 | 186 | 1.1 | 1730 | 400 | 2.28 |
| L 6+00N | 0+50W | S 0.1 | 27 | 22 | 162 | 1.3 | 1444 | 372 | 1.90 |
| L 6+00N | 0+75W | S 0.2 | 30 | 25 | 159 | 1.3 | 1504 | 382 | 2.03 |
| L 6+00N | 1+00W | S 0.2 | 27 | 26 | 155 | 0.9 | 1539 | 326 | 2.04 |
| L 6+00N | 1+25W | S 0.1 | 20 | 23 | 130 | 0.2 | 1402 | 370 | 1.90 |
| L 6+00N | 1+50W | S <0.1 | 22 | 25 | 130 | <0.1 | 1642 | 462 | 2.13 |
| L 6+00N | 1+75W | S <0.1 | 23 | 19 | 139 | 0.9 | 1509 | 338 | 1.83 |
| L17+00N | 15+00W | S 0.2 | 20 | 25 | 124 | <0.1 | 2261 | 101 | 2.87 |
| L17+00N | 15+25W | S 0.1 | 20 | 29 | 121 | <0.1 | 2259 | 486 | 1.81 |
| L17+00N | 15+50W | S 0.1 | 25 | 23 | 154 | <0.1 | 2240 | 229 | 1.96 |
| L17+00N | 15+75W | S 0.1 | 16 | 30 | 95 | <0.1 | 2241 | 52 | 1.59 |
| L17+00N | 16+00W | S 0.8 | 15 | 17 | 73 | <0.1 | 1964 | 55 | 1.21 |
| L17+00N | 16+25W | S 0.2 | 19 | 26 | 171 | 0.9 | 2600 | 62 | 1.86 |
| L17+00N | 17+00W | S 0.1 | 23 | 30 | 85 | <0.1 | 3192 | 141 | 1.52 |
| L17+00N | 17+25W | S 0.4 | 21 | 40 | 74 | <0.1 | 3343 | 68 | 2.15 |
| L17+00N | 17+50W | S 0.3 | 17 | 33 | 47 | <0.1 | 2460 | 37 | 1.43 |

| Sample Name | | Ag ppm | Cu ppm | Pb ppm | Zn ppm | Cd ppm | Ba ppm | Mn ppm | Fe % |
|---|---|---|---|---|---|---|---|---|---|
| L17+00N | 17+75W | S <0.1 | 11 | 28 | 33 | <0.1 | 1977 | 43 | 0.62 |
| L17+00N | 18+00W | S 0.3 | 24 | 37 | 111 | <0.1 | 3945 | 95 | 1.67 |
| L17+00N | 18+25W | S 0.1 | 24 | 31 | 99 | <0.1 | 4286 | 44 | 1.36 |
| L17+00N | 18+50W | S 0.2 | 21 | 43 | 80 | <0.1 | 5431 | 49 | 1.59 |
| L17+00N | 19+00W | S 0.7 | 81 | 46 | 356 | 0.5 | 5045 | 226 | 4.75 |
| L17+00N | 19+25W | S 0.5 | 31 | 44 | 147 | <0.1 | 5836 | 60 | 2.23 |
| L17+00N | 19+50W | S 0.8 | 31 | 45 | 108 | <0.1 | 5461 | 57 | 2.55 |
| L17+00N | 19+75W | S 1.2 | 58 | 37 | 115 | <0.1 | 919 | 46 | 4.50 |
| L18+00N | 0+25W | S 1.4 | 66 | 58 | 397 | 0.2 | 875 | 457 | 7.33 |
| L18+00N | 0+50W | S 1.0 | 113 | 52 | 1639 | 15.3 | 4571 | 407 | 4.16 |
| L18+00N | 1+00W | S <0.1 | 113 | 41 | 1441 | 1.2 | 1288 | 1664 | 9.25 |
| L18+00N | 1+25W | S <0.1 | 11 | 45 | 44 | <0.1 | 2452 | 25 | 3.01 |
| L18+00N | 1+75W | S <0.1 | 6 | 59 | 47 | <0.1 | 1975 | 26 | 0.56 |
| L18+00N | 2+25W | S 0.1 | 28 | 46 | 187 | 0.1 | 3004 | 76 | 2.86 |
| L18+00N | 2+50W | S 1.0 | 217 | 74 | 1946 | 27.5 | 3349 | 741 | 5.44 |
| L18+00N | 2+75W | S 0.9 | 68 | 23 | 861 | 5.6 | 1110 | 620 | 2.25 |
| L18+00N | 3+00W | S 0.1 | 39 | 25 | 366 | 1.6 | 1168 | 297 | 1.91 |
| L18+00N | 3+25W | S <0.1 | 19 | 25 | 82 | <0.1 | 1033 | 449 | 1.81 |
| L18+00N | 3+50W | S <0.1 | 46 | 25 | 209 | 0.7 | 1098 | 242 | 2.76 |
| L18+00N | 4+00W | S 0.2 | 32 | 26 | 191 | 0.9 | 1311 | 269 | 2.06 |
| L18+00N | 4+25W | S <0.1 | 24 | 23 | 161 | 0.5 | 1325 | 184 | 2.26 |
| L18+00N | 5+75W | S 0.1 | 16 | 28 | 137 | 0.3 | 978 | 203 | 1.90 |
| L18+00N | 6+25W | S <0.1 | 16 | 22 | 113 | <0.1 | 1074 | 71 | 1.82 |
| L18+00N | 6+50W | S <0.1 | 21 | 28 | 148 | <0.1 | 1282 | 392 | 2.45 |
| L18+00N | 7+25W | S <0.1 | 22 | 23 | 109 | <0.1 | 1128 | 492 | 2.06 |
| L18+00N | 7+75W | S 0.2 | 27 | 25 | 149 | <0.1 | 1130 | 128 | 3.07 |
| L18+00N | 8+25W | S 0.2 | 16 | 29 | 165 | 0.5 | 1378 | 918 | 1.75 |
| L18+00N | 8+50W | S <0.1 | 13 | 26 | 118 | <0.1 | 1346 | 572 | 1.69 |
| L18+00N | 8+75W | S 0.1 | 16 | 28 | 157 | 0.6 | 1233 | 1157 | 1.76 |
| L18+00N | 9+25W | S <0.1 | 23 | 24 | 203 | 0.1 | 1093 | 165 | 1.77 |
| L18+00N | 9+75W | S 0.1 | 18 | 25 | 159 | <0.1 | 925 | 80 | 1.75 |
| L18+00N | 10+00W | S 0.1 | 14 | 25 | 142 | 0.2 | 1141 | 181 | 1.66 |
| L18+00N | 10+25W | S <0.1 | 22 | 25 | 174 | 0.9 | 1302 | 682 | 2.08 |
| L18+00N | 10+50W | S <0.1 | 27 | 25 | 219 | 2.1 | 1315 | 284 | 2.22 |
| L18+00N | 10+75W | S 0.3 | 30 | 26 | 80 | 0.5 | 1186 | 377 | 3.31 |
| L18+00N | 11+00W | S <0.1 | 30 | 32 | 212 | <0.1 | 1060 | 104 | 2.29 |
| L18+00N | 11+25W | S 0.6 | 37 | 34 | 265 | 1.3 | 1250 | 204 | 2.08 |
| L18+00N | 12+00W | S <0.1 | 20 | 28 | 192 | 0.2 | 1264 | 367 | 1.92 |
| L18+00N | 13+00W | S <0.1 | 18 | 24 | 133 | 0.1 | 1177 | 97 | 1.57 |

| | Ag | Cu | Pb | Zn | Cd | Ba | Mn | Fe |
|---|---|---|---|---|---|---|---|---|
| Min Limit | 0.1 | 1 | 2 | 1 | 0.1 | 2 | 1 | 0.01 |
| Max Reported* | 99.9 | 9999 | 9999 | 9999 | 99.9 | 9999 | 9999 | 99.99 |
| Method | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP |

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200592 M  Minnova Canada
Project: 677

In: Aug 05, 1992
Out: Aug 10, 1992

239 Soil



Certified BC Assayer David Chiu

| Sample Name | | Ag ppm | Cu ppm | Pb ppm | Zn ppm | Cd ppm | Ba ppm | Mn ppm | Fe % |
|---|---|---|---|---|---|---|---|---|---|
| L64+00N 38+00E BL | S | <0.1 | 13 | 163 | 240 | 0.4 | 2757 | 54 | 1.39 |
| L64+50N 38+00E BL | S | 0.2 | 18 | 348 | 433 | 1.3 | 4227 | 243 | 2.47 |
| L65+00N 38+00E BL | S | <0.1 | 12 | 271 | 491 | 0.2 | 1537 | 270 | 2.45 |
| L65+50N 38+00E BL | S | 0.4 | 17 | 263 | 339 | 0.7 | 2521 | 303 | 2.36 |
| L66+00N 38+00E BL | S | 0.6 | 16 | 217 | 579 | 1.4 | 3563 | 281 | 2.73 |
| L66+50N 38+00E BL | S | 0.3 | 15 | 292 | 309 | 0.4 | 4710 | 117 | 2.15 |
| L67+00N 38+00E BL | S | 3.0 | 42 | 3175 | 988 | 3.5 | 9384 | 597 | 2.74 |
| L67+50N 38+00E BL | S | 0.2 | 19 | 378 | 253 | <0.1 | 8970 | 159 | 2.50 |
| L68+00N 38+00E BL | S | 0.5 | 18 | 93 | 158 | <0.1 | 4572 | 61 | 2.04 |
| L68+50N 38+00E BL | S | 0.2 | 17 | 136 | 206 | <0.1 | 6331 | 72 | 1.95 |
| L69+00N 38+00E BL | S | 0.1 | 20 | 43 | 256 | 0.9 | 8222 | 442 | 2.41 |
| L69+50N 38+00E BL | S | 0.7 | 20 | 45 | 242 | 0.7 | 2915 | 230 | 2.83 |
| L70+00N 38+00E BL | S | 0.3 | 12 | 49 | 137 | <0.1 | 2359 | 369 | 1.83 |
| L70+50N 38+00E BL | S | 0.4 | 15 | 86 | 196 | 0.1 | 3711 | 236 | 1.82 |
| L71+00N 38+00E BL | S | 0.6 | 28 | 100 | 572 | 3.7 | 6037 | 679 | 2.34 |
| L71+50N 38+00E BL | S | 0.4 | 34 | 48 | 347 | 0.3 | 5959 | 437 | 3.88 |
| L72+00N 38+00E BL | S | 0.6 | 29 | 22 | 390 | 1.3 | 6028 | 179 | 2.63 |
| L72+50N 38+00E BL | S | 0.2 | 13 | 50 | 286 | 0.1 | 7647 | 181 | 2.18 |
| L73+00N 38+00E BL | S | 0.3 | 14 | 45 | 280 | 0.9 | 8016 | 1011 | 2.06 |
| L74+00N 38+00E BL | S | 1.9 | 31 | 668 | 825 | 0.8 | 2490 | 201 | 9.27 |
| L74+50N 38+00E BL | S | 0.6 | 13 | 180 | 324 | <0.1 | 1.1% | 42 | 3.95 |
| L75+00N 38+00E BL | S | 0.2 | 11 | 244 | 277 | <0.1 | 5328 | 114 | 4.00 |
| L75+50N 38+00E BL | S | 0.2 | 13 | 251 | 281 | 0.1 | 7260 | 98 | 2.46 |
| L76+00N 38+00E BL | S | <0.1 | 7 | 141 | 180 | <0.1 | 2598 | 109 | 2.34 |
| L76+50N 38+00E BL | S | 0.4 | 19 | 117 | 458 | 1.7 | 1269 | 729 | 2.72 |
| L78+00N 38+00E BL | S | 0.1 | 17 | 46 | 426 | 1.2 | 987 | 1367 | 2.29 |
| L64+00N 38+25E | S | 0.1 | 13 | 757 | 1104 | 4.5 | 1838 | 487 | 3.97 |
| L64+00N 38+50E | S | <0.1 | 12 | 500 | 736 | 1.9 | 1533 | 324 | 2.90 |
| L64+00N 38+75E | S | 0.1 | 18 | 699 | 851 | 3.2 | 2810 | 816 | 3.35 |
| L64+00N 39+00E | S | 0.3 | 26 | 2494 | 2205 | 3.8 | 3925 | 675 | 3.06 |
| L64+00N 39+25E | S | 0.4 | 26 | 327 | 1113 | 3.0 | 3640 | 418 | 2.65 |
| L64+00N 39+50E | S | 0.4 | 37 | 346 | 906 | 2.9 | 2931 | 272 | 3.80 |
| L64+00N 39+75E | S | 0.4 | 27 | 233 | 1546 | 8.2 | 2128 | 1251 | 2.45 |
| L64+00N 40+00E | S | 0.2 | 18 | 286 | 1255 | 2.5 | 2326 | 380 | 2.38 |
| L64+00N 40+25E | S | 0.2 | 45 | 344 | 1239 | 8.0 | 1467 | 450 | 3.16 |
| L64+00N 40+50E | S | 0.3 | 35 | 430 | 2221 | 14.5 | 2624 | 685 | 2.28 |
| L64+00N 40+75E | S | 0.3 | 29 | 322 | 1934 | 6.1 | 2769 | 293 | 2.93 |
| L64+00N 41+00E | S | 0.5 | 25 | 206 | 2775 | 9.8 | 2340 | 1195 | 3.28 |
| L64+00N 41+25E | S | <0.1 | 17 | 229 | 1195 | 6.7 | 1811 | 278 | 1.79 |
| L64+00N 41+50E | S | <0.1 | 16 | 183 | 1019 | 3.5 | 3019 | 205 | 2.47 |
| L64+00N 41+75E | S | 0.7 | 39 | 426 | 2836 | 21.7 | 2360 | 874 | 3.19 |
| L64+00N 42+00E | S | 0.2 | 22 | 160 | 2101 | 10.8 | 1918 | 641 | 2.84 |
| L64+00N 42+25E | S | 0.4 | 33 | 160 | 1477 | 15.2 | 2785 | 339 | 2.07 |
| L64+00N 42+50E | S | <0.1 | 14 | 64 | 303 | 0.2 | 1515 | 47 | 1.41 |
| L64+00N 42+75E | S | 0.5 | 38 | 385 | 871 | 7.9 | 1359 | 348 | 2.38 |
| L64+00N 43+75E | S | 4.0 | 34 | 22 | 157 | 0.5 | 1230 | 146 | 1.95 |
| L64+00N 44+00E | S | 2.4 | 30 | 18 | 121 | <0.1 | 1278 | 94 | 2.28 |
| L64+00N 44+25E | S | 2.7 | 38 | 17 | 152 | <0.1 | 1275 | 75 | 2.81 |
| L64+00N 44+50E | S | 2.3 | 32 | 18 | 111 | <0.1 | 1239 | 123 | 2.32 |
| L64+00N 44+75E | S | 1.5 | 22 | 19 | 99 | <0.1 | 1125 | 40 | 1.61 |
| L64+00N 45+00E | S | 1.2 | 29 | 20 | 104 | <0.1 | 1121 | 49 | 1.84 |
| L64+00N 45+25E | S | 1.4 | 28 | 25 | 169 | <0.1 | 1294 | 59 | 2.65 |
| L64+00N 45+50E | S | 3.6 | 35 | 29 | 247 | <0.1 | 1312 | 46 | 3.78 |
| L64+00N 45+75E | S | 2.7 | 46 | 33 | 205 | <0.1 | 1435 | 64 | 4.75 |
| L64+00N 46+00E | S | 2.8 | 26 | 25 | 192 | 0.3 | 1372 | 110 | 2.76 |
| L64+00N 46+25E | S | 1.0 | 22 | 24 | 147 | <0.1 | 1035 | 57 | 2.13 |
| L64+00N 47+00E | S | 1.2 | 23 | 9 | 53 | <0.1 | 1649 | 24 | 1.03 |
| L64+00N 47+25E | S | 2.7 | 17 | 9 | 27 | <0.1 | 1911 | 30 | 0.94 |
| L64+00N 47+50E | S | 0.2 | 9 | 9 | 54 | <0.1 | 1732 | 39 | 0.74 |
| L64+00N 47+75E | S | 0.8 | 18 | 28 | 124 | <0.1 | 2409 | 37 | 1.56 |
| L64+00N 48+00E | S | 0.9 | 9 | 9 | 38 | <0.1 | 1198 | 50 | 0.66 |
| L64+00N 48+25E | S | 1.4 | 35 | 41 | 110 | <0.1 | 2359 | 61 | 2.38 |
| L64+00N 48+50E | S | 0.9 | 15 | 15 | 46 | <0.1 | 1343 | 27 | 0.72 |
| L64+00N 48+75E | S | 0.6 | 13 | 16 | 78 | <0.1 | 1044 | 36 | 1.05 |
| L64+00N 49+00E | S | 0.5 | 13 | 13 | 70 | <0.1 | 1010 | 58 | 1.14 |
| L66+00N 41+00E | S | 0.1 | 14 | 183 | 1005 | 4.7 | 2799 | 438 | 2.12 |
| L66+00N 41+25E | S | 0.7 | 35 | 295 | 2218 | 9.0 | 6026 | 176 | 2.18 |
| L66+00N 41+50E | S | 0.1 | 19 | 191 | 1261 | 4.6 | 4673 | 236 | 2.06 |
| L66+00N 41+75E | S | <0.1 | 30 | 258 | 775 | 2.8 | 4203 | 323 | 2.53 |
| L66+00N 42+00E | S | <0.1 | 26 | 66 | 328 | 0.7 | 4095 | 101 | 1.90 |
| L66+00N 42+75E | S | 0.2 | 21 | 496 | 2693 | 5.5 | 2290 | 383 | 3.36 |
| L66+00N 43+00E | S | 0.2 | 17 | 191 | 750 | 2.6 | 1764 | 232 | 2.00 |
| L66+00N 43+25E | S | 0.4 | 25 | 165 | 865 | 2.8 | 1598 | 146 | 2.17 |
| L66+00N 43+50E | S | 0.1 | 22 | 179 | 627 | 1.7 | 1632 | 275 | 2.38 |
| L66+00N 43+75E | S | 1.4 | 31 | 107 | 853 | 6.8 | 1578 | 391 | 2.52 |
| L66+00N 44+00E | S | 0.6 | 23 | 1060 | 1315 | 5.1 | 1931 | 219 | 2.88 |
| L66+00N 44+25E | S | 1.2 | 34 | 1701 | 2054 | 11.1 | 3506 | 388 | 2.30 |
| L66+00N 44+50E | S | 0.4 | 35 | 119 | 1136 | 3.0 | 1488 | 329 | 2.50 |
| Min Limit | | 0.1 | 1 | 2 | 1 | 0.1 | 2 | 1 | 0.01 |
| Max Reported* | | 99.9 | 9999 | 9999 | 9999 | 99.9 | 9999 | 9999 | 99.99 |
| Method | | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP |

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL Report: 9200592 M  Minnova Canada  In: Aug 05, 1992  Page 2 of 4  Section 1 of 1
Project: 677  Out: Aug 10, 1992  239 Soil  Certified BC Assayer  David Chiu

| Sample Name | | Ag ppm | Cu ppm | Pb ppm | Zn ppm | Cd ppm | Ba ppm | Mn ppm | Fe % |
|---|---|---|---|---|---|---|---|---|---|
| L66+00N 44+75E | S | 3.8 | 55 | 38 | 255 | 0.2 | 2073 | 124 | 3.20 |
| L66+00N 45+00E | S | 4.2 | 56 | 47 | 297 | 0.6 | 2144 | 67 | 3.97 |
| L66+00N 45+75E | S | 1.8 | 35 | 23 | 198 | 0.2 | 1069 | 68 | 3.02 |
| L66+00N 46+00E | S | 3.8 | 50 | 24 | 230 | <0.1 | 957 | 130 | 5.29 |
| L66+00N 46+25E | S | 1.2 | 24 | 29 | 239 | <0.1 | 1340 | 55 | 3.56 |
| L66+00N 46+50E | S | 1.1 | 27 | 19 | 151 | <0.1 | 1263 | 65 | 2.43 |
| L66+00N 46+75E | S | 1.7 | 61 | 24 | 396 | 0.5 | 1074 | 425 | 8.50 |
| L66+00N 47+00E | S | 1.4 | 39 | 19 | 387 | 0.5 | 1669 | 121 | 4.00 |
| L66+00N 47+25E | S | 1.7 | 38 | 19 | 272 | 0.1 | 1573 | 158 | 3.21 |
| L66+00N 47+50E | S | 1.9 | 33 | 22 | 209 | 0.1 | 1451 | 122 | 3.13 |
| L66+00N 47+75E | S | 1.1 | 24 | 19 | 127 | <0.1 | 1347 | 58 | 2.22 |
| L66+00N 48+00E | S | 3.4 | 23 | 18 | 65 | <0.1 | 2339 | 29 | 1.36 |
| L66+00N 48+25E | S | 3.4 | 27 | 16 | 70 | <0.1 | 2306 | 24 | 1.34 |
| L66+00N 48+50E | S | 1.1 | 16 | 14 | 102 | <0.1 | 1157 | 54 | 1.30 |
| L66+00N 48+75E | S | 0.7 | 11 | 18 | 65 | <0.1 | 1077 | 23 | 0.85 |
| L66+00N 49+00E | S | 0.2 | 10 | 10 | 70 | <0.1 | 901 | 50 | 0.97 |
| L68+00N 32+50E | S | 0.4 | 15 | 19 | 79 | <0.1 | 5534 | 27 | 2.31 |
| L68+00N 32+75E | S | 0.2 | 19 | 8 | 118 | <0.1 | 3210 | 19 | 2.99 |
| L68+00N 33+00E | S | 2.1 | 23 | 10 | 269 | <0.1 | 4970 | 241 | 3.50 |
| L68+00N 33+25E | S | 0.3 | 18 | 26 | 178 | <0.1 | 7134 | 136 | 2.53 |
| L68+00N 33+50E | S | <0.1 | 13 | 22 | 96 | <0.1 | 1735 | 45 | 1.19 |
| L68+00N 33+75E | S | <0.1 | 13 | 21 | 121 | <0.1 | 2548 | 59 | 1.50 |
| L68+00N 34+00E | S | 0.1 | 10 | 28 | 83 | <0.1 | 1586 | 101 | 1.03 |
| L68+00N 34+25E | S | 0.1 | 10 | 29 | 133 | <0.1 | 1719 | 72 | 1.23 |
| L68+00N 34+50E | S | 0.1 | 15 | 492 | 1054 | <0.1 | 8674 | 112 | 4.44 |
| L68+00N 34+75E | S | 0.1 | 17 | 378 | 1201 | 0.9 | 4376 | 191 | 4.66 |
| L68+00N 35+00E | S | 0.2 | 27 | 349 | 1108 | 0.3 | 4619 | 167 | 5.87 |
| L68+00N 35+25E | S | 0.5 | 44 | 944 | 1.8% | 42.1 | 2962 | 971 | 9.06 |
| L68+00N 35+50E | S | 0.8 | 60 | 950 | 4908 | 2.8 | 4496 | 294 | 15.49 |
| L68+00N 35+75E | S | 0.6 | 36 | 21 | 162 | <0.1 | 4677 | 36 | 1.64 |
| L68+00N 36+00E | S | 1.5 | 22 | 82 | 231 | <0.1 | 4278 | 36 | 2.31 |
| L68+00N 36+25E | S | 0.3 | 12 | 104 | 117 | <0.1 | 2988 | 32 | 1.35 |
| L68+00N 36+50E | S | 0.2 | 9 | 88 | 65 | <0.1 | 3102 | 20 | 0.94 |
| L68+00N 36+75E | S | 0.2 | 10 | 60 | 67 | <0.1 | 6231 | 38 | 1.24 |
| L68+00N 37+00E | S | 0.2 | 17 | 118 | 166 | <0.1 | 8411 | 108 | 2.13 |
| L68+00N 37+25E | S | 0.1 | 12 | 42 | 224 | 0.2 | 1831 | 154 | 1.90 |
| L68+00N 37+50E | S | 0.1 | 14 | 161 | 133 | <0.1 | 4187 | 87 | 1.57 |
| L68+00N 37+75E | S | 0.2 | 14 | 121 | 98 | <0.1 | 6511 | 61 | 1.38 |
| L68+00N 38+25E | S | 0.2 | 12 | 361 | 87 | <0.1 | 4152 | 68 | 1.70 |
| L68+00N 38+50E | S | <0.1 | 12 | 126 | 176 | <0.1 | 5578 | 73 | 1.72 |
| L68+00N 38+75E | S | 0.8 | 14 | 179 | 353 | 1.7 | 1.1% | 220 | 1.83 |
| L68+00N 39+00E | S | 0.4 | 24 | 415 | 629 | 2.3 | 7833 | 538 | 3.00 |
| L68+00N 39+25E | S | 0.1 | 18 | 292 | 536 | 1.1 | 5093 | 275 | 2.59 |
| L68+00N 39+50E | S | 0.4 | 22 | 209 | 966 | 14.7 | 3767 | 899 | 1.34 |
| L68+00N 39+75E | S | 0.6 | 33 | 290 | 1466 | 6.0 | 6524 | 455 | 2.46 |
| L68+00N 40+00E | S | 0.4 | 27 | 247 | 1166 | 7.3 | 3237 | 221 | 2.03 |
| L68+00N 40+25E | S | 0.9 | 38 | 413 | 838 | 3.6 | 8721 | 571 | 3.21 |
| L68+00N 40+50E | S | 0.3 | 18 | 202 | 824 | 2.8 | 3934 | 944 | 2.66 |
| L68+00N 40+75E | S | <0.1 | 13 | 74 | 312 | 0.3 | 3147 | 127 | 1.80 |
| L68+00N 41+00E | S | 0.4 | 26 | 155 | 750 | 1.3 | 4746 | 332 | 2.79 |
| L68+00N 41+25E | S | <0.1 | 24 | 83 | 634 | 0.7 | 2657 | 289 | 3.54 |
| L68+00N 41+50E | S | 0.4 | 7 | 47 | 239 | <0.1 | 1733 | 66 | 1.38 |
| L68+00N 41+75E | S | 0.1 | 11 | 309 | 615 | 2.2 | 1517 | 866 | 2.01 |
| L68+00N 42+00E | S | 0.2 | 15 | 199 | 1723 | 5.8 | 1441 | 248 | 2.65 |
| L68+00N 42+25E | S | 0.3 | 20 | 166 | 1240 | 4.6 | 1856 | 332 | 2.88 |
| L68+00N 42+50E | S | 0.3 | 27 | 212 | 1111 | 1.7 | 2197 | 353 | 2.92 |
| L68+00N 42+75E | S | 0.2 | 25 | 104 | 497 | 0.3 | 1575 | 64 | 2.44 |
| L68+00N 43+00E | S | 0.1 | 20 | 95 | 310 | <0.1 | 1294 | 57 | 1.59 |
| L68+00N 43+25E | S | 0.1 | 11 | 54 | 65 | <0.1 | 1399 | 34 | 1.01 |
| L68+00N 43+50E | S | 0.3 | 11 | 33 | 89 | <0.1 | 1386 | 73 | 1.48 |
| L68+00N 43+75E | S | 1.0 | 19 | 20 | 134 | <0.1 | 1451 | 40 | 1.70 |
| L68+00N 44+00E | S | 0.3 | 16 | 27 | 63 | <0.1 | 1711 | 22 | 0.94 |
| L68+00N 44+25E | S | 0.3 | 14 | 34 | 72 | <0.1 | 1426 | 50 | 1.25 |
| L68+00N 45+00E | S | 1.7 | 36 | 17 | 96 | 0.1 | 1434 | 41 | 2.40 |
| L68+00N 45+50E | S | 2.3 | 57 | 20 | 270 | 0.1 | 1023 | 68 | 3.87 |
| L68+00N 45+75E | S | 1.4 | 45 | 18 | 222 | 0.1 | 987 | 109 | 3.91 |
| L68+00N 46+00E | S | 3.6 | 96 | 29 | 590 | 0.9 | 1342 | 150 | 8.11 |
| L68+00N 46+25E | S | 3.7 | 60 | 32 | 227 | 0.2 | 1278 | 102 | 5.00 |
| L68+00N 46+50E | S | 3.1 | 75 | 46 | 477 | 1.3 | 1451 | 59 | 8.28 |
| L68+00N 46+75E | S | 1.7 | 47 | 26 | 238 | <0.1 | 1214 | 54 | 4.09 |
| L68+00N 47+00E | S | 2.4 | 46 | 20 | 234 | 0.2 | 1190 | 132 | 3.93 |
| L68+00N 47+50E | S | 1.9 | 34 | 24 | 158 | <0.1 | 1165 | 202 | 2.48 |
| L68+00N 47+75E | S | 0.6 | 25 | 27 | 154 | <0.1 | 1377 | 41 | 1.56 |
| L68+00N 48+00E | S | 1.2 | 30 | 32 | 221 | <0.1 | 1265 | 46 | 2.29 |
| L68+00N 48+25E | S | 0.4 | 14 | 18 | 71 | <0.1 | 818 | 35 | 0.95 |
| L68+00N 48+50E | S | 0.6 | 16 | 18 | 106 | <0.1 | 877 | 29 | 1.08 |
| L68+00N 48+75E | S | 0.3 | 26 | 19 | 102 | <0.1 | 907 | 48 | 1.31 |
| L68+00N 49+00E | S | 1.0 | 31 | 37 | 111 | 0.4 | 1174 | 153 | 1.69 |
| Min Limit | | 0.1 | 1 | 2 | 1 | 0.1 | 2 | 1 | 0.01 |
| Max Reported* | | 99.9 | 9999 | 9999 | 9999 | 99.9 | 9999 | 9999 | 99.99 |
| Method | | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP |

--=No Test  ins=Insufficient Sample  S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined  m=Estimate/1000  %=Estimate %  Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

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Vancouver, B
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Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200592 M Minnova Canada | In: Aug 05, 1992 | Page 3 of 4 | Section 1 of 1

Project: 677 | Out: Aug 10, 1992 | 239 Soil | Certified BC Assayer David Chiu

| Sample Name | | Ag ppm | Cu ppm | Pb ppm | Zn ppm | Cd ppm | Ba ppm | Mn ppm | Fe % |
|---|---|---|---|---|---|---|---|---|---|
| L70+00N 33+00E | S | 0.7 | 28 | 12 | 561 | 3.2 | 2.5% | 337 | 2.19 |
| L70+00N 33+25E | S | 1.0 | 20 | 6 | 520 | 1.5 | 2.5% | 272 | 2.63 |
| L70+00N 33+50E | S | <0.1 | 18 | 23 | 161 | <0.1 | 2748 | 62 | 2.22 |
| L70+00N 33+75E | S | 0.1 | 17 | 27 | 158 | <0.1 | 2143 | 73 | 1.81 |
| L70+00N 34+00E | S | 0.2 | 16 | 34 | 134 | <0.1 | 2186 | 71 | 1.85 |
| L70+00N 34+25E | S | 0.2 | 15 | 39 | 146 | <0.1 | 1061 | 78 | 2.00 |
| L70+00N 34+50E | S | 0.3 | 16 | 30 | 142 | <0.1 | 1381 | 418 | 3.58 |
| L70+00N 34+75E | S | 0.1 | 14 | 22 | 123 | <0.1 | 1406 | 75 | 1.56 |
| L70+00N 35+25E | S | 0.9 | 21 | 57 | 215 | 0.3 | 2316 | 34 | 2.62 |
| L70+00N 35+50E | S | 0.7 | 27 | 45 | 115 | <0.1 | 1875 | 95 | 2.77 |
| L70+00N 35+75E | S | 0.3 | 17 | 43 | 122 | <0.1 | 3859 | 57 | 2.07 |
| L70+00N 36+00E | S | 0.8 | 18 | 50 | 122 | <0.1 | 5110 | 105 | 2.41 |
| L70+00N 36+25E | S | 0.5 | 14 | 18 | 61 | <0.1 | 7535 | 46 | 1.00 |
| L70+00N 36+50E | S | 0.5 | 15 | 49 | 112 | <0.1 | 5727 | 42 | 1.64 |
| L70+00N 36+75E | S | 0.7 | 25 | 62 | 262 | 0.4 | 2691 | 108 | 3.23 |
| L70+00N 37+00E | S | 0.5 | 29 | 58 | 151 | <0.1 | 2040 | 129 | 2.88 |
| L70+00N 37+25E | S | 0.3 | 16 | 76 | 330 | 0.3 | 3203 | 259 | 2.73 |
| L70+00N 37+50E | S | 0.4 | 19 | 70 | 166 | <0.1 | 1.1% | 56 | 2.19 |
| L70+00N 38+50E | S | 0.3 | 15 | 71 | 232 | 0.1 | 1.2% | 186 | 2.89 |
| L70+00N 38+75E | S | 0.3 | 17 | 60 | 222 | <0.1 | 1.2% | 151 | 2.53 |
| L70+00N 39+00E | S | 0.2 | 13 | 53 | 180 | <0.1 | 5580 | 154 | 1.87 |
| L70+00N 39+25E | S | 0.2 | 14 | 91 | 828 | 2.6 | 4638 | 681 | 2.74 |
| L70+00N 39+50E | S | <0.1 | 13 | 53 | 199 | <0.1 | 4109 | 532 | 2.06 |
| L70+00N 39+75E | S | 0.4 | 11 | 50 | 633 | 2.0 | 7712 | 351 | 1.95 |
| L70+00N 40+00E | S | 0.3 | 14 | 71 | 871 | 2.3 | 5871 | 492 | 2.38 |
| L70+00N 40+25E | S | 0.2 | 20 | 269 | 1139 | 2.2 | 2343 | 571 | 3.35 |
| L70+00N 40+50E | S | 0.4 | 28 | 68 | 969 | 3.0 | 2048 | 755 | 3.78 |
| L70+00N 40+75E | S | 1.1 | 15 | 66 | 529 | 0.9 | 1995 | 245 | 3.06 |
| L70+00N 41+00E | S | 0.3 | 17 | 69 | 700 | 2.3 | 3262 | 563 | 2.55 |
| L70+00N 41+25E | S | 0.6 | 22 | 82 | 1631 | 7.8 | 4855 | 666 | 2.87 |
| L70+00N 41+50E | S | 0.2 | 9 | 25 | 110 | <0.1 | 1927 | 44 | 0.80 |
| L70+00N 41+75E | S | 0.3 | 8 | 35 | 248 | 0.5 | 3413 | 98 | 1.04 |
| L70+00N 42+00E | S | 0.6 | 25 | 155 | 1286 | 5.6 | 2262 | 419 | 3.49 |
| L70+00N 42+25E | S | 0.7 | 18 | 84 | 1051 | 3.0 | 2452 | 164 | 2.58 |
| L70+00N 42+50E | S | <0.1 | 12 | 66 | 445 | 0.2 | 1557 | 127 | 2.30 |
| L70+00N 42+75E | S | 0.5 | 21 | 169 | 1399 | 8.6 | 1706 | 422 | 2.76 |
| L70+00N 43+00E | S | 0.7 | 24 | 146 | 1663 | 13.1 | 1648 | 587 | 3.14 |
| L70+00N 43+25E | S | 0.3 | 23 | 629 | 1659 | 3.7 | 1885 | 322 | 3.21 |
| L70+00N 43+50E | S | 0.2 | 17 | 292 | 1816 | 4.8 | 1430 | 239 | 2.59 |
| L70+00N 43+75E | S | 0.2 | 20 | 168 | 2389 | 16.7 | 1218 | 745 | 3.82 |
| L70+00N 44+25E | S | 0.2 | 68 | 354 | 1.2% | 71.9 | 1583 | 994 | 4.10 |
| L70+00N 44+50E | S | 0.1 | 16 | 76 | 452 | 0.5 | 1342 | 74 | 1.57 |
| L70+00N 44+75E | S | 0.2 | 24 | 154 | 1073 | 3.6 | 1787 | 377 | 2.49 |
| L70+00N 45+00E | S | 0.1 | 31 | 94 | 764 | 6.2 | 1851 | 202 | 2.30 |
| L70+00N 45+25E | S | <0.1 | 23 | 79 | 758 | 4.8 | 1253 | 584 | 2.23 |
| L70+00N 45+50E | S | <0.1 | 15 | 55 | 226 | 0.1 | 1504 | 55 | 1.52 |
| L70+00N 45+75E | S | 0.6 | 19 | 41 | 203 | <0.1 | 1275 | 49 | 1.54 |
| L70+00N 46+00E | S | <0.1 | 17 | 47 | 313 | 0.3 | 1313 | 78 | 1.56 |
| L70+00N 46+25E | S | 1.1 | 23 | 7 | 66 | <0.1 | 1377 | 21 | 1.23 |
| L70+00N 46+50E | S | 0.1 | 11 | 29 | 91 | <0.1 | 1224 | 41 | 1.06 |
| L70+00N 46+75E | S | 0.7 | 26 | 10 | 71 | <0.1 | 1319 | 27 | 1.12 |
| L70+00N 47+00E | S | 0.2 | 9 | 6 | 49 | <0.1 | 857 | 32 | 0.61 |
| L70+00N 47+25E | S | 0.1 | 9 | 11 | 44 | <0.1 | 922 | 18 | 0.61 |
| L70+00N 47+50E | S | <0.1 | 13 | 7 | 43 | <0.1 | 810 | 23 | 0.58 |
| L70+00N 47+75E | S | <0.1 | 11 | 7 | 37 | <0.1 | 807 | 30 | 0.58 |
| L70+00N 48+00E | S | <0.1 | 11 | 8 | 75 | <0.1 | 1151 | 37 | 0.85 |
| L70+00N 48+25E | S | 0.3 | 16 | 27 | 122 | <0.1 | 1102 | 27 | 1.24 |
| L70+00N 48+50E | S | 0.2 | 7 | 7 | 28 | <0.1 | 975 | 35 | 0.50 |
| L70+00N 48+75E | S | 0.5 | 13 | 18 | 89 | <0.1 | 1113 | 28 | 1.12 |
| L70+00N 49+00E | S | 0.5 | 16 | 70 | 332 | <0.1 | 1341 | 57 | 2.30 |
| L72+00N 33+00E | S | <0.1 | 16 | 27 | 186 | 2.5 | 3275 | 84 | 1.45 |
| L72+00N 33+25E | S | <0.1 | 9 | 9 | 78 | <0.1 | 1511 | 266 | 0.96 |
| L72+00N 33+50E | S | <0.1 | 10 | 24 | 139 | <0.1 | 1191 | 37 | 1.24 |
| L72+00N 33+75E | S | <0.1 | 12 | 28 | 160 | <0.1 | 1571 | 48 | 1.48 |
| L72+00N 34+00E | S | <0.1 | 12 | 24 | 99 | <0.1 | 1711 | 122 | 1.33 |
| L72+00N 34+25E | S | <0.1 | 14 | 27 | 171 | <0.1 | 1659 | 74 | 1.61 |
| L72+00N 34+50E | S | 0.1 | 13 | 32 | 210 | <0.1 | 1230 | 63 | 1.77 |
| L72+00N 34+75E | S | <0.1 | 9 | 8 | 92 | <0.1 | 1011 | 107 | 1.56 |
| L72+00N 35+00E | S | <0.1 | 11 | 25 | 176 | <0.1 | 1573 | 148 | 1.67 |
| L72+00N 35+25E | S | <0.1 | 16 | 36 | 235 | <0.1 | 1813 | 106 | 2.01 |
| L72+00N 35+50E | S | 0.1 | 14 | 33 | 181 | <0.1 | 1848 | 54 | 1.54 |
| L72+00N 36+00E | S | 0.5 | 21 | 41 | 190 | <0.1 | 2038 | 62 | 2.32 |
| L72+00N 36+25E | S | <0.1 | 17 | 125 | 205 | <0.1 | 2048 | 159 | 2.02 |
| L72+00N 36+50E | S | <0.1 | 18 | 27 | 194 | <0.1 | 1666 | 174 | 2.07 |
| L72+00N 37+00E | S | 0.9 | 19 | 49 | 129 | <0.1 | 3708 | 32 | 1.80 |
| L72+00N 37+25E | S | 0.9 | 54 | 13 | 136 | <0.1 | 1.0% | 22 | 1.77 |
| L72+00N 37+50E | S | 0.7 | 31 | 22 | 141 | <0.1 | 1.0% | 47 | 1.76 |
| L72+00N 37+75E | S | 0.9 | 27 | 51 | 264 | 0.3 | 1.0% | 112 | 2.74 |
| Min Limit | | 0.1 | 1 | 2 | 1 | 0.1 | 2 | 1 | 0.01 |
| Max Reported* | | 99.9 | 9999 | 9999 | 9999 | 99.9 | 9999 | 9999 | 99.99 |
| Method | | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP |

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

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iPL Report: 9200592 M  Minnova Canada
Project: 677

In: Aug 05, 1992
Out: Aug 10, 1992

239 Soil



Section 1 of 1
Certified BC Assayer David Chiu

| Sample Name | | Ag ppm | Cu ppm | Pb ppm | Zn ppm | Cd ppm | Ba ppm | Mn ppm | Fe % |
|---|---|---|---|---|---|---|---|---|---|
| L78+00N 37+00E | S | 0.2 | 20 | 306 | 884 | 7.7 | 1175 | 1123 | 2.12 |
| L78+00N 37+25E | S | 0.2 | 18 | 163 | 812 | 4.4 | 893 | 1377 | 2.45 |
| L78+00N 37+50E | S | 0.3 | 18 | 182 | 706 | 4.3 | 950 | 1070 | 2.53 |
| L78+00N 39+00E | S | 0.3 | 45 | 96 | 1244 | 6.6 | 2019 | 610 | 3.40 |
| L78+00N 39+25E | S | 0.2 | 16 | 113 | 574 | 8.1 | 858 | 1932 | 1.99 |

| Sample Name | Ag ppm | Cu ppm | Pb ppm | Zn ppm | Cd ppm | Ba ppm | Mn ppm | Fe % |
|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Min Limit | 0.1 | 1 | 2 | 1 | 0.1 | 2 | 1 | 0.01 | 0.1 | 1 | 2 | 1 | 0.1 | 2 | 1 | 0.01 |
| Max Reported* | 99.9 | 9999 | 9999 | 9999 | 99.9 | 9999 | 9999 | 99.99 | 99.9 | 9999 | 9999 | 9999 | 99.9 | 9999 | 9999 | 99.99 |
| Method | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP | ICP |

---=No Test  ins=Insufficient Sample  S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined  m=Estimate/1000  %=Estimate %  Max=No Estimate

PIE 4

PIE 3

PIE 1

PIE 2

PIE 11

PIE 10

PIE 7

PIE 5

GATAGA PIE A GRID

GATAGA PIE B GRID

PbA

ZnB

PbB

ZnA

1700

1800

1900

1600

1500

2000

1400

1300

1200

1100

ANOMALOUS VALUES

Pb ppm Zn ppm

Pb >123 ppm

Zn >955 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,678

MINNOVA Inc.

MAP No. 5a

GATAGA PROJECT
PIE CLAIMS
SOIL GEOCHEMISTRY
Pb ppm Zn ppm

Gary Wells

DATE : DECEMBER 1992

FILE : PIESOILS

DRAWN BY : GSW/sg

REVISED :

NTS: 94F/7W,6E

SCALE : 1:5,000

0 100 200 300 400 500m

PIE 4

PIE 3

PIE 1

PIE 2

PIE 11

PIE 10

PIE 7

PIE 5

GATAGA PIE A GRID

GATAGA PIE B GRID

FeA

CuA

FeB

1700

1900

1600

1800

2000

1500

1400

1300

1200

N

ANOMALOUS VALUES

Cu ppm Fe ppm

Cu >40 ppm

Fe >3.93 %

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,678

MINNOVA Inc.

MAP No. 5b

GATAGA PROJECT
PIE CLAIMS
SOIL GEOCHEMISTRY
Cu ppm Fe %

DATE : DECEMBER 1992

FILE : PIESOILS

DRAWN BY : GSW/sg

REVISED :

NTS: 94F/7W,6E

SCALE : 1:5,000

0 100 200 300 400 500m

PIE 4
PIE 3
PIE 1
PIE 2
PIE 11
PIE 10
PIE 7
PIE 5

CATAGA PIE A GRID

CATAGA PIE B GRID

BoA
BoB
AgA

1700
1900
1800
2000
1600
1500
1400
1300
1200

ANOMALOUS VALUES

Ba ppm Ag ppm

Ba >6982 ppm

Ag >2.5 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,678

MINNOVA Inc.

MAP No. 5c

GATAGA PROJECT
PIE CLAIMS
SOIL GEOCHEMISTRY
Ba ppm Ag ppm

DATE : DECEMBER 1992
FILE : PIESOILS
DRAWN BY : GSW/sg
REVISED :
NTS: 94F/7W,6E
SCALE : 1:5,000
0 100 200 300 400 500m

PIE 4

PIE 3

PIE 1

PIE 2

PIE 11

PIE 10

PIE 7

PIE 5

CATAGA PIE A GRID

GATAGA PIE B GRID

MnA

CdA

1700

1800

1900

2000

1600

1500

1400

1300

1200

ANOMALOUS VALUES

Mn ppm Cd ppm

Mn >1059 ppm

Cd >6.8 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,678

MINNOVA Inc.

MAP No. 5d

GATAGA PROJECT
PIE CLAIMS
SOIL GEOCHEMISTRY
Mn ppm Cd ppm

DATE : DECEMBER 1992

FILE : PIESOILS

DRAWN BY : GSW/sg

REVISED :

NTS: 94F/7W,6E

SCALE : 1:5,000

0 100 200 300 400 500m