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PRECIOUS METALS EXPLORATION LTD.

SUMMARY REPORT  
AND  
PROPOSED EXPLORATION PROGRAM

POISON CREEK CLAIM GROUP  
VANCOUVER MINING DIVISION  
SOUTH COASTAL BRITISH COLUMBIA

Longitude = 125° 31'

Latitude = 50° 38'

NTS = 92K12E

Owner/Operator: Stina Resources Ltd.

Reported By: M. Magrum, P.Eng.

C. von Einsiedel, BSc.

Submitted: January 27, 1987

FILMED

MINING  
BRANCH  
REPORT

17,161

ARIS SUMMARY SHEET

District Geologist, Victoria

Off Confidential: 89.01.07

ASSESSMENT REPORT 17161

MINING DIVISION: Vancouver

PROPERTY: Poison Creek  
 LOCATION: LAT 50 37 52 LONG 125 31 25  
 UTM 10 5611625 321524  
 NTS 092K12E

CLAIM(S): Poison 1-8, Shamrock

OPERATOR(S): Stina Res.

AUTHOR(S): Von Einsiedel, C.A.

REPORT YEAR: 1987, 94 Pages

COMMODITIES

SEARCHED FOR: Gold, Copper, Silver

GEOLOGICAL

SUMMARY: The property covers a roof pendant of Upper Triassic Karmutsen Formation phyllites and chlorite schists within granitic intrusives of the Upper Cretaceous Coast Plutonic Complex. Pyrrhotite and chalcopyrite mineralization is developed along intrusive/sediment contacts.

WORK

DONE: Geological, Geochemical  
 GEOL 200.0 ha  
 ROCK 32 sample(s) ;ME  
 SILT 50 sample(s) ;ME  
 SOIL 760 sample(s) ;ME

MINFILE: 092K 111, 092K 112

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TERMS OF REFERENCE  
AND  
INTRODUCTION

## TERMS OF REFERENCE

By way of a Purchase Agreement dated December 15, 1986 Stina Resources Ltd. acquired a 100% interest in 31 Two Post Mineral Claims and one Reverted Crown Grant located on the east side of Loughborough Inlet approximately 50 kilometers north of Campbell River, British Columbia. These claims are of interest because they are situated in a geologic environment similar to that which hosts the Doratha Morton Mine (located 10 kilometers to the southwest) a promising gold-silver-copper prospect presently the focus of a major evaluation program by Signet Resources Ltd.

During the late 1800's the Doratha Morton produced some 10,000 tons of ore (average grade 0.45 oz/ton gold) however, operations were suspended in 1899 when a fault offset was encountered in the main ore zone. More recently Signet Resources carried out diamond drilling which extended the limits of known mineralization and reported core intersections grading up to 1.0 oz/ton gold across widths of 3.0 meters (G.C.N.L. No. 177, 1984).

Previously unpublished geological data suggests a close similarity between the Doratha Morton Mine area and the area covered by the Poison Creek claim group. On the basis of this information, Stina Resources commissioned Precious Metals Exploration Ltd. to carry out a preliminary evaluation of the claim group and if warranted to outline a staged program for continued exploration.

## INTRODUCTION

Between December 15, 1986 and January 20, 1987 the authors made two property visits, carried out detailed geologic mapping, supervised extensive soil and stream sediment geochemical surveys and made an examination of prospect adits driven on exposed, massive sulphide occurrences located in the west central part of the property.

The following report describes results of these surveys and outlines recommendations for continued exploration.

SUMMARY  
AND  
RECOMMENDATIONS

## SUMMARY AND RECOMMENDATIONS

The Poison Creek claim group consists of 32 claim units covering an area approximately 4 kilometers long and four claim units wide staked along a southeast axis from the east side of Loughborough Inlet, located on the mainland coast of southern British Columbia. The property covers a previously unmapped metasedimentary roof pendant (tentatively correlated with the Karmutsen Formation) within granitic intrusives of the Coast Plutonic Complex.

According to published literature (G.S.C. Memoir No. 23) gold mineralization in the Loughborough Inlet area is associated with broad, silicified fracture zones developed within these roof pendants and along marginal phases of the intrusives. Mineralization consists of auriferous pyrite and pyrrhotite (combined with accessory copper, lead and zinc sulphides) developed within irregular quartz veins and stringers along the fracture zones and also disseminated within adjoining schistose rocks.

At the Doratha Morton, a fracture zone approximately 50 m wide occurs near the contact between highly altered metasediments and the surrounding granitic intrusive. Within this zone concordant and crosscutting quartz veins/stringers are numerous and contain variably developed auriferous pyrites and minor base metal sulphides. The majority of exploration carried out during the late 1800's development of the Doratha Morton was directed at developing a strong quartz vein (up to 3.0 m wide) within the fracture zone which consistently returned grades of over 0.5 oz/ton gold.

This prospect was not examined during the present survey however, the nature of the mineralization suggests potential for a large tonnage, low grade type of deposit which could be upgraded by higher grade veins within the mineralized zone.

Available Geological Survey of Canada geological maps indicate that the roof pendant which hosts the Doratha Morton forms a narrow (approx. 250 m wide), northwest striking belt that extends from Phillips Arm to Loughborough Inlet a distance of approximately 10 kilometers. This unit has been staked along its entire length and has been the focus of several recent exploration programs results of which have not yet

been published.

The Poison Creek Claim Group is of interest primarily because of new geological data which confirms the presence of a similar metasedimentary roof pendant (located approximately 10 km NW of the Doratha Morton) which is not shown on current Government geological maps. The focus of the present exploration program was to delineate the extent of this pendant and utilize soil and stream sediment geochemical surveys to identify target areas along the favourable contact zones.

Geological mapping carried out during the present survey traced a 100 m wide belt consisting of variably altered (contact metamorphic type alteration) argillites from the coast (western edge of the property) along a southeast axis across the southern part of the claim group to Poison Creek. Here, an inferred, east-west trending fault structure offsets the metasediments approximately 200 m to the north from which point the pendant continues across the southeastern part of the property.

Of particular interest are several prospect adits and short tunnels which were driven by late 1800's prospectors on sulphide occurrences located along the margins of the pendant in the western part of the property. These workings, termed the Shamrock, Shamrock Extension and Inlet Showings are in poor condition therefore sampling was restricted to the dumps at the various portals. Mineralization consists of narrow seams and lenses of pyrite, pyrrhotite and chalcopyrite within fractured, chloritized argillites. Of 32 samples collected, 9 returned copper grades greater than 0.30% with a maximum recorded grade of 2.85%. Silver contents ranged from 10.0 to 44.0 ppm (approx. 0.5 to 1.5 oz/ton). Gold values were below the detection limit of the assay method used (ICP detection limit 3 ppm).

Soil samples collected from the vicinity of the Shamrock Showings returned anomalous geochemical values ranging from 30 - 50 ppb gold, 5.0 - 10.0 ppm silver, 200 - 1,400 ppm copper and 200 - 1,100 ppm zinc. Detailed soil sampling along strike from the Inlet Showings (Anomaly I) identified a seven sample cluster of anomalous gold values (30 to 85 ppb) associated with elevated silver and base metal values.

Reconnaissance soil and stream sediment geochemical surveys in the central and eastern parts of the claim group identified two additional areas (termed "II" and "III"; see figure no.s 5 to 8) which also exhibit elevated gold, silver and base metal contents.

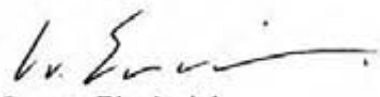
Published geological information suggests that mineralization in the Doratha Morton mine area is the product of shearing and hydrothermal activity along the contact zone between a Triassic aged argillite roof pendant and granitic intrusives of the Coast Plutonic Complex. Observed ore mineral assemblages indicate that hydrothermal fluids were enriched in gold, silver, copper, zinc and lead.

Geological mapping during the present survey established that the roof pendant and intrusive rocks on the Poison Creek Claims are closely similar to rocks in the Doratha Morton mine area. Geochemical surveys have established that elevated gold, silver, copper, zinc and lead values occur along the contact zone between the two rock types.

On the basis of these results, it is concluded that the Poison Creek claims have potential to host gold mineralization similar to that at the Doratha Morton prospect. It is recommended that Stina Resources proceed with a two stage exploration program at an estimated cost of \$125,000.

Respectfully submitted,



  
C. von Einsiedel  
Consulting Geologist

SECTION 1  
PROPOSED EXPLORATION  
PROGRAM

## 1.1 Exploration Targets

(Please refer to Figure No.s 4 and 4A)

Exploration to date of the Poison Creek Claim Group has identified several target areas which warrant continued evaluation. These areas include well defined gold, silver and base metal anomalies (i.e. strike extension of the Inlet Showing) as well as wider spaced contour soil and stream sediment anomalies. The latter will require additional fill-in surveys to delineate trenching targets.

Also of interest are massive sulfide occurrences in the west central part of the property (Shamrock, Shamrock Extension and Inlet Showings). The mineralization observed at these workings is significant and warrants additional sampling. The magnetic nature of the mineralization (pyrrhotite is ubiquitous) would make it possible to trace extensions of these occurrences with magnetometer surveys.

The objectives of the proposed exploration program are as follows:

### Phase I

- Completion of fill-in surveys in known geochemically anomalous areas (Inlet Showing extension, Anomaly I, II and III). This should be combined with detailed prospecting and hand trenching/rock chip sampling to assist with determining the source of these anomalies.
- Grid establishment and detailed mapping in the vicinity of the inferred fault structure (Poison Creek). (Note: magnetometer surveys may be useful in determining whether sulfide mineralization is associated with this structure).
- Rehabilitation and detailed chip sampling of the Shamrock, Shamrock Extension and Inlet Showings. (Note: this work should be carried out by qualified miners or other experienced underground personnel).
- Completion of additional geologic mapping in the central and eastern parts of the claim group to delineate the extent of the argillilite roof pendant.

Total estimated cost of this stage of exploration is \$45,000.



**Phase 2**

This stage of exploration is contingent on results of Phase 1 and is designed as a follow-up program. In the event that a significant zone of gold mineralization is identified this stage provides for extensive surface trenching followed by short hole diamond drilling.

Total estimated cost of this stage of exploration is \$80,000.

On completion of Phase 1 and 2 exploration programs, the project will have to be re-evaluated with future exploration designed to fully evaluate targets delineated in preceding surveys.

**1.2 Cost Estimate****Phase 1**

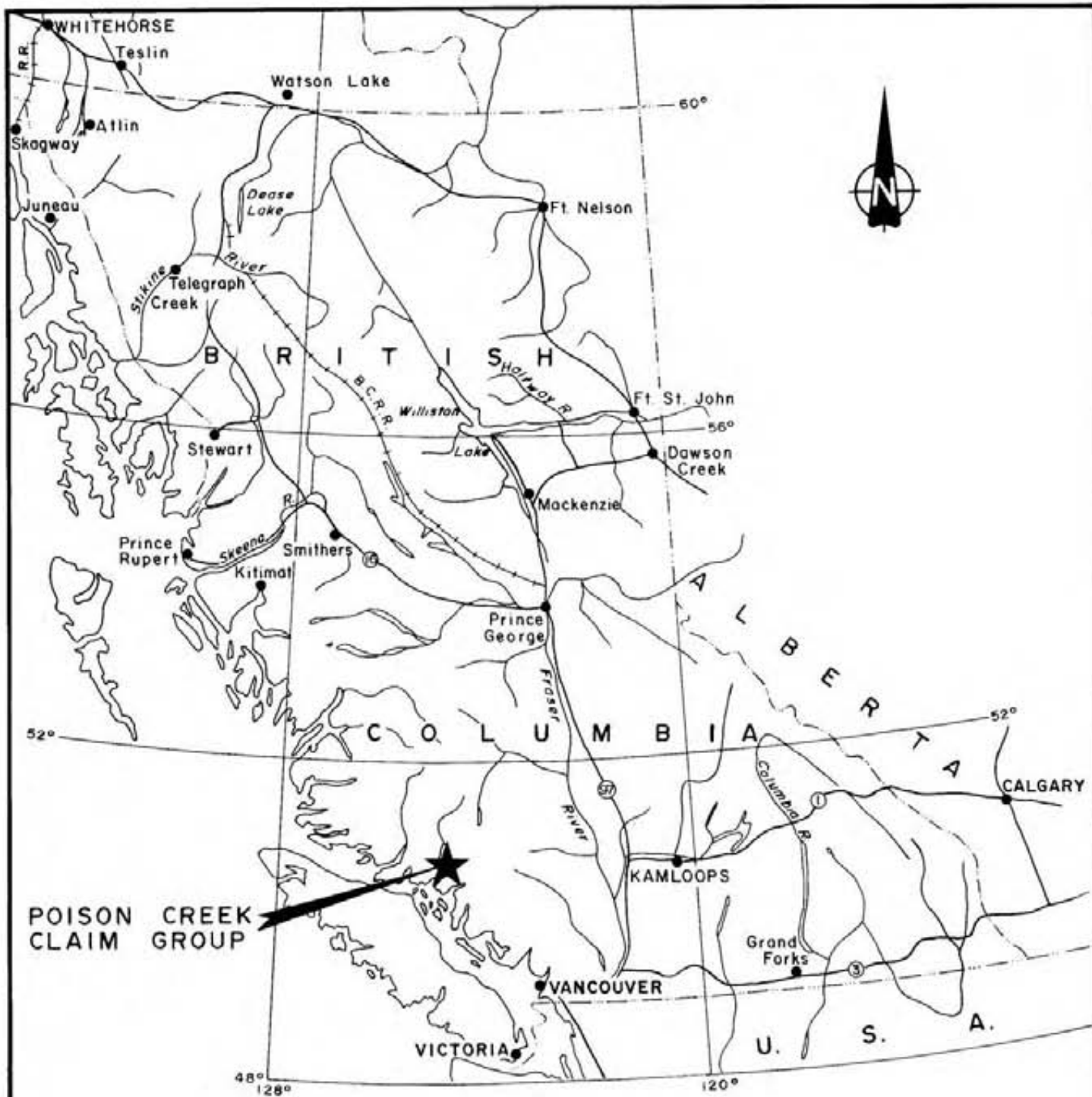
Engineering/Supervision/Reports	\$ 10,000
Grid Establishment	
- allow 20 line kilometers @ \$250	5,000
Geochemical Surveys	
- allow 500 samples @ \$20	10,000
Rehabilitation and Sampling of Underground Workings	10,000
Geochemical Analysis	
- 500 samples @ \$10	5,000
Contingency	<u>5,000</u>
<b>Sub-Total</b>	<b><u>\$ 45,000</u></b>

Phase 2

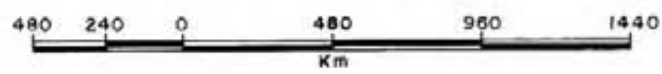
Engineering/Supervision/Reports	\$ 10,000
Trenching	20,000
- Allow	
Diamond Drilling (X-ray size)	
- Allow 500 m @ \$70/m	35,000
Helicopter Support	5,000
Contingency	10,000
<b>Sub-Total</b>	<b><u>\$ 80,000</u></b>

The total estimated cost of Phase 1 and 2 Exploration Programs is: **\$125,000**

SECTION 2  
GENERAL



**STINA RESOURCES LTD.**  
**LOCATION MAP**  
 OF  
**POISON CREEK CLAIM GROUP**



2.1 Property Location, Access, Ownership  
(Please refer to Figure No.s 1, 2 and 4)

The Poison Creek Claim Group is situated approximately 60 kilometers NNW of Campbell River on the eastern shore of Loughborough Inlet, mainland British Columbia. The approximate centre of the claim group is located at 125° 31' W. longitude and 50° 38' N. latitude.

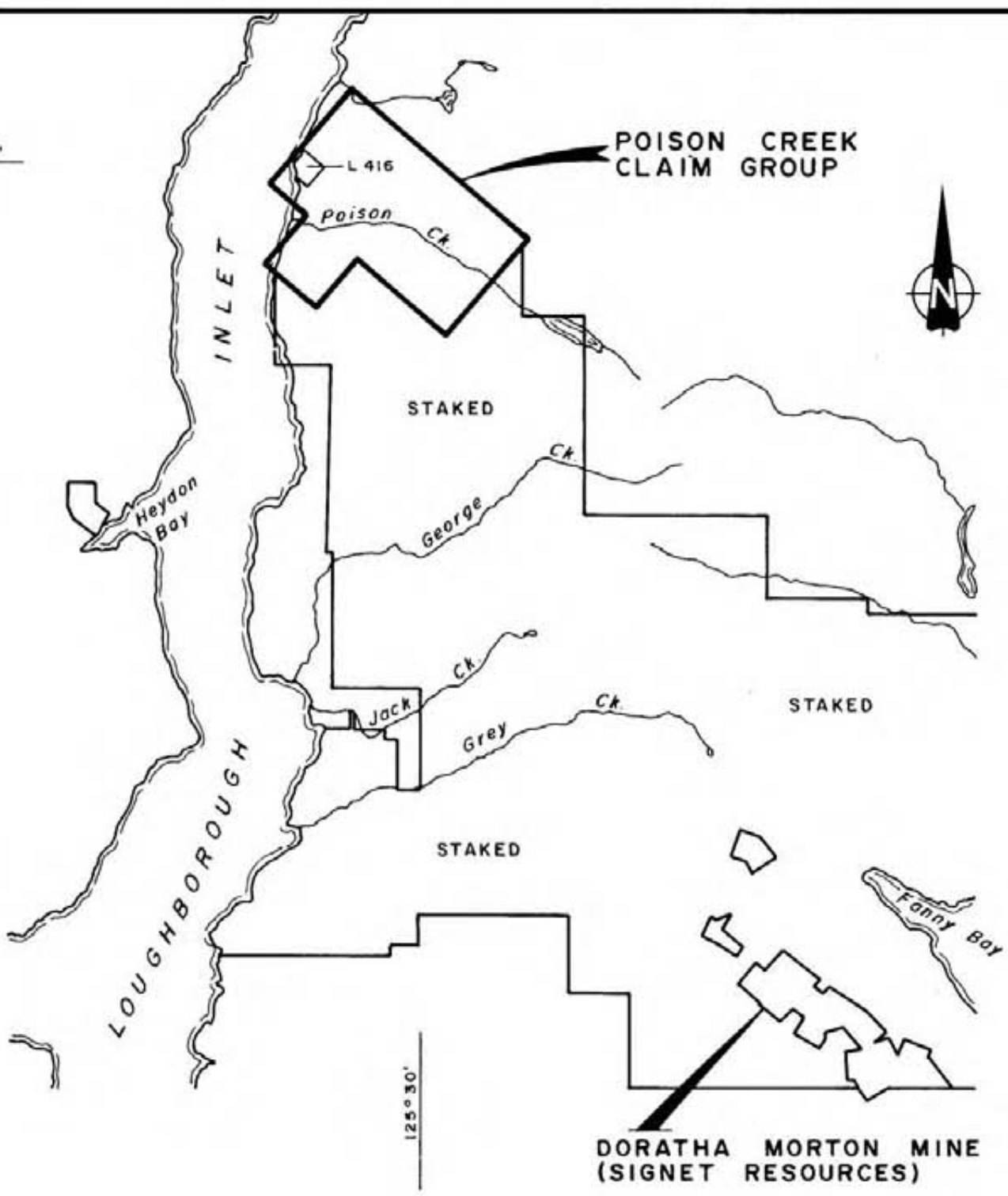
Access to the property is via boat from Powell River, Campbell River or Comox along Loughborough Inlet. Alternate access is via helicopter or regular scheduled float plane to a fishing cabin on the shore of the inlet roughly one kilometer south of the claim group.

The western part of the claims (Shamrock, Inlet Showings) cover a moderately steep, heavily forested, west facing slope. The central and eastern parts of the property straddle Poison Creek, a wide stream which trends east - west in the central part of the claim area and then turns to the southeast in the eastern part of the property. Elevations on the property range from sea level to 3,500 feet on a ridge overlooking Poison Creek in the southeastern part of the claims.

The claim group consists of 31 Two Post Mineral Claims and one Reverted Crown Grant recorded on Mineral Title Reference Map No. 92K12E. Title to the claims is recorded as follows:

<u>Claim Name</u>	<u>Record Number</u>	<u>Number Of Units</u>	<u>Registered Owner</u>	<u>Expiry Date</u>
Shamrock (Reverted Crown Grant)	2015	1	Stina Resources	Nov. 12/87
Poison 1	2026	1	Stina Resources	Dec. 11/87
Poison 3	2027	1	"	"
Poison 4	2027	1	"	"
Poison 5	2028	1	"	"
Poison 6	2029	1	"	"
Poison 7	2030	1	"	"
Poison 8	2031	1	"	"
Poison 9	2032	1	"	"
Poison 10	2033	1	"	"
Poison 11	2034	1	"	"

50°38'



POISON CREEK CLAIM GROUP



STAKED

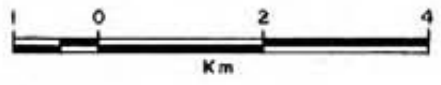
STAKED

STAKED

DORATHA MORTON MINE (SIGNET RESOURCES)

STINA RESOURCES LTD.  
 POISON CREEK CLAIM GROUP  
 VANCOUVER MINING DIVISION - BRITISH COLUMBIA

# CLAIM MAP



PRECIOUS METALS EXPLORATION LTD. VANCOUVER, B.C.	DWN. BY: T. M.	FIG. No.
	CHK. BY:	2
	DATE: JAN. 1987	

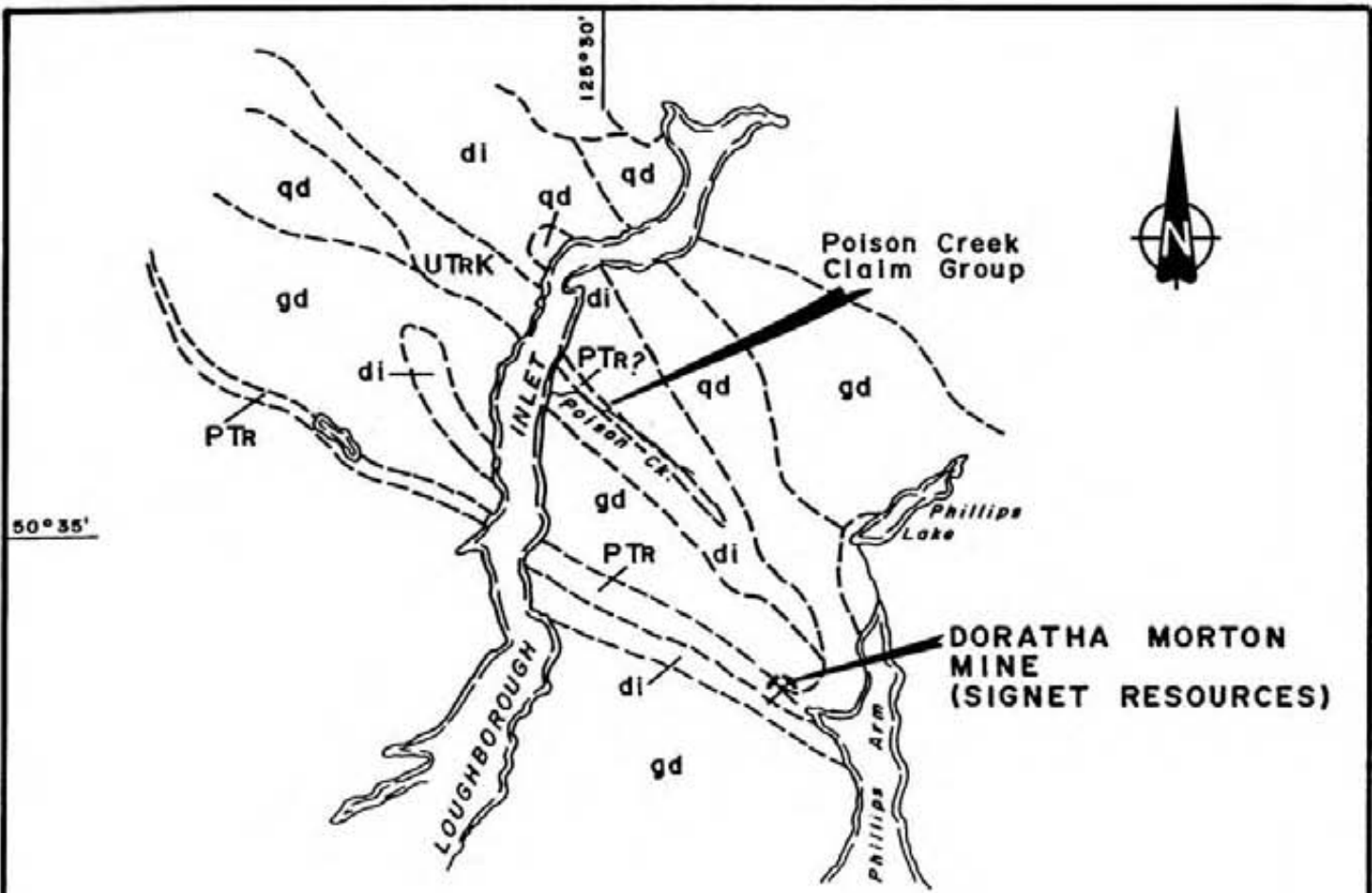
<u>Claim Name</u>	<u>Record Number</u>	<u>Number Of Units</u>	<u>Registered Owner</u>	<u>Expiry Date</u>
Poison 12	2035	1	Stina Resources	Dec. 11/87
Poison 13	2036	1	"	"
Poison 14	2037	1	"	"
Poison 15	2070	1	"	Jan. 30/88
Poison 16	2071	1	"	"
Poison 17	2072	1	"	"
Poison 18	2073	1	"	"
Arsenic 1	2038	1	"	Dec. 11/87
Arsenic 2	2039	1	"	"
Arsenic 3	2040	1	"	"
Arsenic 4	2041	1	"	"
Arsenic 5	2042	1	"	"
Arsenic 6	2043	1	"	"
Arsenic 7	2044	1	"	"
Arsenic 8	2045	1	"	"
Arsenic 9	2046	1	"	"
Arsenic 10	2047	1	"	"
Arsenic 11	2048	1	"	"
Arsenic 12	2049	1	"	"
Arsenic 13	2050	1	"	"
Arsenic 14	2051	1	"	"

## 2.2 Regional Geology and Exploration Model

The Loughborough Inlet area is underlain by northwesterly elongated intrusives (principally diorite to granodiorite) which form part of the Coast Plutonic Complex. Narrow metasedimentary and metavolcanic roof pendants occur along the margins of the intrusives and are thought to represent fault slices or grabens along which 'horsts' of plutonic rocks were thrust upward, (Roddick, 1980).

Current Government geological maps indicate that a single, northwest trending pendant crosses the mainland from Phillips Arm to Loughborough Inlet however, recent exploration has identified a similar pendant located several kilometers to the north. The stratigraphy of these belts consists of argillites, minor limestone and chloritic schists locally altered along the contact zones.

According to Bancroft, (1913) gold mineralization in the Loughborough Inlet area is associated with silicified fracture zones developed along the margins of the roof pendants and within marginal parts of the intrusives.



**LEGEND**

- KARMUTSEN FORMATION**  
**UPPER KARMUTSEN**  
**UTR K** Basalt flows, minor limestone, shale, pillow lava, and pillow breccia.
- PALEOZOIC AND/OR TRIASSIC**  
**PTR** Amphibolite, schist, quartzite, minor crystalline limestone, greenstone.
- PLUTONIC ROCKS**  
**gd** Granodiorite.  
**qd** Quartz diorite.  
**di** Diorite.

**STINA RESOURCES LTD.**  
**POISON CREEK CLAIM GROUP**  
 VANCOUVER MINING DIVISION - BRITISH COLUMBIA

**REGIONAL GEOLOGY**



PRECIOUS METALS EXPLORATION LTD. VANCOUVER, B.C.	DWN. BY: T. M.	FIG. No.
	CHK. BY:	3
	DATE: JAN. 1987	



The most important local prospect, the Doratha Morton, is described as follows; "in the vicinity of the contact between granite and highly altered sedimentary rocks there is a zone about 50 m wide in which quartz veins are of frequent occurrence. Not only the quartz veins but some of the schistose rocks have been irregularly impregnated with auriferous pyrite, minor chalcopyrite and sphalerite", (Bancroft, GSC Memoir No. 23).

The Poison Creek Claim Group is of interest because it is situated in a geologic environment similar to that which hosts the Doratha Morton Mine.

### 2.3 Previous Exploration

Exploration in the Loughborough Inlet area dates back to the late 1800's when the Doratha Morton was first discovered. Between 1898 and 1899 production from this property totalled over 10,000 tons at an average grade of over 0.40 oz/ton gold and 1.0 oz/ton silver. After two years of production a fault offset was encountered in the main ore zone and operations were suspended.

At approximately the same time, the Cuba Silver Mining Co. carried out extensive prospecting on the "Shamrock" Claims, (presently covered by the Poison Creek Claim Group). A total of 300 feet of tunnels were driven on exposed, sulfide mineralization localized along the contact between the metasediments and intrusives.

At the Shamrock showing tunnelling exposed a body of pyrite, pyrrhotite and chalcopyrite which is lenticular in shape with a length of 20 feet and a minimum width of three feet. It was reported (GSC Memoir No. 23) that samples from the Shamrock workings returned gold values up to \$17 per ton (based on a \$25 gold price this represents approximately 0.60 oz/ton).

During the 1920's and 1930's Glasair Mining Corp. reconditioned the Doratha Morton Mine and carried out additional underground exploration. No new ore zones were developed and since 1936 there has been little exploration in the Loughborough Inlet area.

In 1984, Signet Resources acquired the rights to the Doratha Morton and carried out surface trenching and diamond drilling. Several new gold bearing zones were discovered with reported grades of up to 1.118 oz/ton gold across a 10 foot intersection, (G.C.N.L. No. 177, 1984). On the basis of these results, all available ground along the southern roof pendant was staked.

The present exploration program comprised geological mapping and geochemical surveys designed to evaluate contact zones along the recently identified 'northern' roof pendant.

#### 2.4 Property Geology and Description of Mineral Occurrences

The principal objective of geological mapping during the present survey was to delineate the extent of the metasedimentary and metavolcanic rocks within the Poison Creek claim group.

These rocks form a belt approximately 250 m wide which consists of parallel 50 meter wide argillite - limestone - chlorite schist bands separated by a 150 meter wide transitional zone, (see figure no. 4 and 4a). In the western part of the property the pendant strikes 130° to 140° SE and has been traced for approximately one kilometer to just north of Poison Creek. The pendant was noted again on the south side of the Creek and was traced southeasterly across the eastern part of the property.

Previous exploration (circa, 1898 - 1900) identified several mineral occurrences in the western part of the claim group termed the Shamrock, Shamrock Extension and Inlet showings. At each of these prospects short tunnels were driven to test fractured, pyritized, limonite stained schist developed at the contact between the roof pendant and the intrusive rocks.

Underground workings at all of these prospects are in poor condition and sampling was restricted to dump piles at the various portals. A total of 32 rock samples were collected and assayed by ICP techniques for a suite of 28 major and trace elements. Sample locations and geochemical assay results are shown in figure no. 4 and Appendix 1.

Mineralization at each of these prospects is similar consisting of pyrite, pyrrhotite and chalcopyrite developed as narrow seams and lenses or as disseminations within fractured, chloritized argillites. Of 32 samples collected, 9 returned copper grades of between 0.30 and 3.0% copper combined with 0.5 to 1.5 oz/ton silver. Gold values were below detection limit by the assay method used however, additional sampling will be required to substantiate previously reported grades.

**SECTION 3**  
**GEOCHEMICAL SURVEYS**

### 3.1 Geochemical Surveys

To assess the potential for gold mineralization on the Poison Creek Property, detailed soil and stream sediment geochemical surveys were carried out. A total of 843 samples were collected and assayed by ICP techniques for a suite of 28 major and trace elements. Contoured plans for gold, silver, copper and zinc values are included as figure no.s 4 to 8. Additional geochemical data is attached as Appendix 1.

In the western part of the claim group, soil samples were collected at between 12.5 and 25 m intervals along 25 to 100 meter, spaced northeast trending (200° orientation) profile lines. In the eastern part of the grid samples were collected at 50 meter intervals along parallel contour lines.

Stream sediment samples were collected at 25 meter intervals along several small streams which drain the western edge of the property.

### 3.2 Results

Soils within the project area are locally derived and generally range from several centimeters to 1.0 meter in thickness. A standard soil profile is developed and every effort was made to collect samples from the "B" Horizon. Sample sites in areas of poor soil development were omitted.

Three areas which exhibit elevated gold, silver, copper and zinc concentrations were identified.

#### Anomaly I (See figure no. 4, 5, 6, 7, 8)

This zone is approximately 200 meters long and 50 meters wide and straddles the southern contact of the roof pendant. The anomaly persists along strike from the Inlet Showing indicating potential for additional mineralization along the contact zone.

**Anomaly II**

This zone exhibits the strongest geochemical response of the three anomalies. Elevated base and precious metal concentrations have been traced from the Shamrock Extension Showing to a point 350 meters south.

Within this zone, spot highs of up to 10,500 ppm zinc, 1,407 ppm copper, 9.1 ppm Ag and 30 ppb gold were recorded. The highest values occur to the southeast of the Shamrock Extension at slightly higher elevations.

This anomaly is considered the principal target for follow-up exploration during Phase I.

**Anomaly III** (See figure no.s 4 to 8)

This zone is situated near the eastern part of the grid and is not directly related to any known mineralization.

Elevated copper and zinc values have been traced for approximately 200 m along the contact between the transitional zone and the upper metasedimentary belt.

Continued evaluation of these anomalies will be the focus of Phase I exploration.

## REFERENCES

The following maps, publications and reports were used in the compilation of this report.

Roddick, J.A. Notes on the Stratified Rocks of the Bute Inlet Map Area, G.S.C. Open File No. 480.

Harris, C.R. Preliminary Report on the Doratha Morton Property, Signet Resources Corporate Files.

Bancroft, J.A. Geology, Coast and Islands, B.C. Shoal Bay and Vicinity, G.S.C. Memoir No. 23, 1913.

GCNL No. 177, 1984. Diamond Drilling Report, Doratha Morton Property - Signet Resources.

## CERTIFICATE

I, Michael M. Magrum of the City of Yellowknife in the Northwest Territories, certify that:

1. My address is Box 2045, Yellowknife, NWT, Canada, X1A-2N3 and that my occupation is that of a Geological Engineer.
2. I am a graduate of the University of Alaska in Geological Engineering, 1976, with a degree of BSc.
3. I have been a practicing engineer since 1976 and I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories.
4. I am a member in good standing of the Association of Professional Engineers in the North West Territories.
5. This report is based on a compilation of previous operators technical data, results of geological mapping and geochemical surveys carried out on the property during December, 1986 and January, 1987 under my supervision and on results of a field examination December 15, 1986.
6. I have no interest either directly or indirectly in the properties or securities of Stina Resources Ltd.
6. I consent to the use of this report in a Prospectus, Statement of Material Facts or Qualifying Report.

Dated this 24th day of January, 1987 at Vancouver, British Columbia.

A circular seal for a Registered Professional Engineer. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER". Inside the ring, the name "M. MAGRUM" is written in a stylized, cursive font. Below the name is a small emblem of a building. The seal is partially obscured by a handwritten signature and the typed name "Michael M. Magrum, P.Eng. Geological Engineer" below it.

Michael M. Magrum, P.Eng.  
Geological Engineer



## CERTIFICATE

I, Carl A. von Einsiedel of the City of Vancouver in the Province of British Columbia, certify that:

1. I am a consulting geologist with offices located at 210 - 470 Granville Street, Vancouver, B.C.
2. I hold a degree of Bachelor of Science in Geology from Carleton University in Ottawa, April, 1982.
3. I have completed undergraduate and post graduate courses in exploration geochemistry, geostatistics and geophysics.
4. I have been employed in my profession for the past eight years.
5. I have no interest either directly nor indirectly, nor do I intend to receive any interest in the property covered in this report or in the shares of Stina Resources Ltd.
6. This report is based on a compilation of previous operators technical data, results of geological mapping and geochemical surveys carried out on the property during December 1986 and January 1987 under my supervision and on results of a field examination December 15, 1986.

Dated at Vancouver, British Columbia, this 27th day of January, 1987.



Carl von Einsiedel, BSc.  
Consulting Geologist

APPENDIX I  
GEOCHEMICAL DATA

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N. VANCOUVER B.C. V7P 2S3 PH: (604) 986-5211 TELEX: 04-352578  
 BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH: (604) 251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR BR, MN, FE, CA, P, CR, MO, B, F, AL, NA, K, W, PT AND SA. AU AND PD DETECTION IS 3 PPM.  
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, - = NOT ANALYZED

COMPANY: RAM EXPLORATIONS  
 ATTENTION:  
 PROJECT:

REPORT#: B70065PA  
 JOB#: B70065  
 INVOICE#: B70065NA

DATE RECEIVED: 87/01/24  
 DATE COMPLETED: 87/01/26  
 COPY SENT TO:

ANALYST *W. J. ...*

PAGE 1 OF 1

SAMPLE NAME	AG	AL	AS	AU	BA	BI	CA	CD	CO	CR	CU	FE	K	MO	MN	NO	NA	NI	P	PB	PD	PT	SB	SK	SR	U	W	ZN
	PPM	1	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	1	1	1	PPM	PPM	1	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
MM-001	3.5	.72	12	ND	31	4	1.77	.5	8	24	865	2.25	.10	.27	1057	1	.01	26	.01	36	ND	ND	ND	2	30	ND	ND	54
MM-002	44.7	.33	3	ND	5	60	.33	8.1	16	46	30246	16.59	.27	.07	131	4	.01	49	.01	67	ND	ND	ND	1	24	ND	15	426
MM-004	1.8	1.35	8	ND	64	4	4.88	.1	23	16	771	2.46	.13	.53	140	9	.01	60	.05	12	ND	ND	ND	ND	115	ND	ND	44
MM-007	2.4	.15	20	ND	2	6	1.83	.2	5	21	739	3.45	.11	.05	910	29	.01	6	.01	28	ND	ND	ND	4	2	ND	20	62
MM-008	1.4	.85	13	ND	51	5	1.16	.1	15	4	144	3.41	.15	.56	184	3	.01	13	.15	17	ND	ND	ND	4	67	ND	ND	19
MM-009	1.4	5.00	ND	ND	156	7	3.44	.1	27	12	98	5.08	.23	1.64	521	ND	.01	17	.15	14	ND	ND	ND	ND	143	ND	ND	75
MM-010	1.3	1.14	12	ND	59	3	1.79	1.1	26	16	170	4.13	.17	.41	71	4	.01	24	.10	23	ND	ND	ND	ND	142	ND	ND	62
MM-29M	.6	2.79	ND	ND	22	3	4.82	.3	80	66	196	7.47	.20	.20	73	ND	.01	382	.01	25	ND	ND	ND	ND	112	ND	ND	17
MMS-005	2.1	.13	45	ND	6	3	9.25	1.2	4	2	667	2.66	.07	.05	1238	1	.01	12	.01	23	ND	ND	ND	7	72	ND	36	74
MMS-006	4.6	.87	13	ND	48	12	4.17	1.1	16	11	2735	7.52	.23	.52	246	6	.01	15	.08	33	ND	ND	4	1	107	ND	22	111
SNM-1	33.7	.44	ND	ND	12	46	.62	11.1	93	5	18231	25.81	.58	.07	90	4	.01	59	.01	69	ND	ND	13	ND	21	12	746	344
SNM-2	2.5	.10	ND	ND	4	ND	.31	.1	32	6	1810	41.64	.62	.07	114	1	.01	130	.01	76	ND	ND	ND	ND	5	15	11	20
SNM-3	31.1	.15	16	ND	3	47	8.89	6.1	13	21	18882	12.05	.23	.02	66	4	.01	42	.01	44	ND	ND	3	2	153	ND	7	211
CHIP 4.2M W/E	8.1	.29	ND	ND	4	25	.85	.1	204	17	4016	28.10	.44	.10	242	5	.01	42	.03	69	ND	ND	6	ND	17	6	26	213
7+005 WS001	2.5	.55	47	ND	7	11	.76	.1	40	3	1427	6.75	.16	.45	1998	2	.01	12	.01	21	ND	ND	4	1	21	ND	ND	173
7+005 WS002	1.3	.52	22	ND	8	3	.56	.8	23	4	456	3.20	.11	.25	1526	1	.01	12	.05	12	ND	ND	ND	1	24	ND	ND	98
7+005 R003	1.7	.10	25	ND	ND	3	.51	.1	13	2	518	2.90	.10	.15	383	1	.01	6	.05	17	ND	ND	ND	2	3	ND	ND	46
7+005 CHIP4	1.6	.07	20	ND	1	4	.19	.1	3	22	138	4.66	.11	.03	96	5	.01	3	.01	18	ND	ND	ND	3	2	3	ND	11
7+005 CHS005	2.1	1.02	20	ND	16	8	.19	.1	7	3	654	12.98	.22	.15	132	6	.01	2	.05	32	ND	ND	6	1	53	ND	33	21
7+005 2WS007	1.7	.10	24	ND	2	4	.17	.1	2	58	135	2.54	.08	.03	59	5	.01	2	.01	19	ND	ND	ND	2	2	ND	ND	7
WSR-008	.6	1.85	ND	ND	406	ND	9.32	.4	1	16	44	.40	.07	.14	243	ND	.01	20	.01	8	ND	ND	ND	ND	1857	ND	ND	18
WSR-009	1.7	1.18	12	ND	33	9	.89	.1	15	40	135	2.87	.13	.76	424	1	.01	9	.14	16	ND	ND	ND	8	47	ND	ND	25
SDR-001	4.4	3.15	ND	ND	15	17	1.58	.1	166	23	4622	12.76	.23	.14	69	ND	.01	68	.05	34	ND	ND	ND	ND	110	ND	ND	64
SDR-002	1.6	1.14	ND	ND	5	7	.78	.1	78	16	1059	11.80	.21	.11	78	2	.01	74	.01	34	ND	ND	4	1	58	ND	3	39
SDR-003	5.8	2.29	ND	ND	11	21	1.16	.1	169	15	6172	16.96	.29	.10	80	1	.01	70	.05	45	ND	ND	3	ND	53	ND	ND	70
SDR-004	4.1	2.90	ND	ND	9	16	1.56	.1	149	14	4091	15.10	.26	.08	67	ND	.01	64	.07	38	ND	ND	3	ND	71	ND	ND	68
SDR-006	1.6	.40	ND	ND	2	8	.32	.1	243	37	1733	24.21	.33	.03	61	2	.01	89	.01	55	ND	ND	4	ND	15	ND	12	20
SDR-007	.8	.45	ND	ND	4	5	.32	.1	168	3	670	25.71	.25	.05	55	4	.01	153	.01	55	ND	ND	4	ND	17	ND	4	9
SDR-008	2.5	.52	8	ND	3	12	.40	.1	83	18	2533	12.87	.20	.13	116	2	.01	78	.01	43	ND	ND	4	2	16	ND	ND	85
SDR-009	2.1	.29	14	ND	4	6	.60	.1	37	32	1086	7.08	.14	.05	268	3	.01	37	.01	25	ND	ND	ND	2	7	ND	ND	30
SS-004	2.2	.50	41	ND	44	5	.42	.1	19	19	845	7.16	.15	.16	1633	4	.01	5	.01	32	ND	ND	ND	2	22	ND	ND	128
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1521 PEMBERTON AVE.  
NORTH VANCOUVER, B.C. V7P 2S3  
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

## ASSAY ANALYTICAL REPORT

=====

CLIENT: RAM EXPLORATION  
ADDRESS: 210-470 W. Granville St.  
: Vancouver, B.C.  
: V6C 1V5

DATE: Jan 28 1987

REPORT#: 870065 AB  
JOB#: 870065

PROJECT#: SHAMLOCK  
SAMPLES ARRIVED: Jan 21 1987  
REPORT COMPLETED: Jan 28 1987  
ANALYSED FOR: Cu

INVOICE#: 870065 NB  
TOTAL SAMPLES: 31  
REJECTS/PULPS: 90 DAYS/1 YR  
SAMPLE TYPE: 31 ROCK

SAMPLES FROM: RAM EXPLORATION  
COPY SENT TO: RAM EXPLORATION

PREPARED FOR: MR. CARL VON EINSIEDEL

ANALYSED BY: David Chiu

SIGNED: \_\_\_\_\_

Registered Provincial Assayer

GENERAL REMARK: Cu analyses requested 87/01/26



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
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BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 870065 AB

JOB NUMBER: 870065

RAM EXPLORATION

PAGE 1 OF 2

SAMPLE #	Cu %
MW 001	.11
MW 002	2.85
MW 004	.02
MW 007	.07
MW 008	.01
MW 009	.01
MU 010	.02
YW 029M	.03
MWS 005	.08
MWS 006	.31
SMW 001	1.74
SMW 002	.15
SMW 003	1.35
CHIP SAMPLE 4.25 NYE	.40
7+005 WS 001	.32
7+005 WS 002	.07
7+005 R 003	.06
7+005 CHIP 004	.01
7+005 CHS 005	.09
7+005 IWS 007	.01

### DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.01

1 ppm = 0.0001%

ppm / parts per million

( = less than

signed: \_\_\_\_\_



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1521 PEMBERTON AVE.  
NORTH VANCOUVER, B.C. V7P 2S3  
(604) 996-5211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-6656

REPORT NUMBER: 870065 AB

JOB NUMBER: 870065

RCM EXPLORATION

PAGE 2 OF 2

SAMPLE #	Cu %
WSR 008	<.01
WSR 009	.01
SDR 001	.47
SDR 002	.11
SDR 003	.62
SDR 004	.44
SDR 006	.17
SDR 007	.07
SDR 008	.28
SDR 009	.12
SS 004	.10

### DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.01

1 ppm = 0.0001%

ppm = parts per million

(< = less than

signed: \_\_\_\_\_

L 1-40

DATE: Jan 21 1987  
 COMPANY: RAIM EXPLORATION  
 PROJECT: \_\_\_\_\_

TYPE SAMPLES: 523 SOIL 320 SILT  
 SORTED BY: JC SL. GE.  
 JOB #: 870066

No.	Sample	Au	Icp	Remarks	No.
01	0+37E 0+00N	10			01
02	12	10		523 SOIL	02
03	25	15		320 SILT	03
04	37	30			04
05	50	10		843 SAMPLES	05
06	62	5			06
07	75	25			07
08	87	20			08
09	1+00N	20			09
10	1+25	10			10
11	37	15			11
12	0+37E 1+50N	10			12
13	0+50E 0+00N	10			13
14	0+12	35			14
15	25	35			15
16	37	20			16
17	75	30			17
18	87	40			18
19	1+00	10			19
20	12	20			20
21	STD				21
22	25	15			22
23	37	15			23
24	0+50E 1+50N	25		PRELIMINARY REPORT ONLY DATA TO BE CONFIRMED BY CALCULATION OR REPEATED ANALYSES	24
25	0+62E 0+00N	15			25
26	12	15			26
27	25	10			27
28	37	20			28
29	50	20			29
30	75	20			30
31	87	20			31
32	1+00	10			32
33	12	10			33
34	25	20		34	
35	37	15		35	
36	1+50N	15		36	
37	0+75E 0+00N	15		37	
38	12	25		38	
39	25	30		39	
40	37	10		40	

ANALYSTS:  
 FILE: Au = 5.0 g SL Jan 23  
 Icp = 0.5 g SL Jan 23

COMMENT:  
 PRELIMINARY REPORT ONLY  
 DATA TO BE CONFIRMED BY  
 CALCULATION OR REPEATED  
 ANALYSES

X

PAI-80

VANGEOCHEM LAB LTD.  
LAB WORK SHEET

PAGE 2 OF 22

DATE: Jan 21, 1987  
COMPANY: Raw Exploration  
PROJECT: \_\_\_\_\_

TYPE SAMPLES: 523 SorL 320 SILT  
SORTED BY: 50 SL GE  
JOB #: 870066

No.	Sample	Au	Icp	Remarks	No.
01	0+75E 0+62N	5			01
02	75	10			02
03	87	5			03
04	1+00	5			04
05	12	25			05
06	25	15			06
07	37	15			07
08	0+75E 1+50N	10			08
09	0+87E 0+00N	15			09
10	12	25			10
11	25	20			11
12	50	10			12
13	62	40			13
14	75	10			14
15	87	35			15
16	1+00	30			16
17	0+87E 1+12N	25			17
18	1+00E 0+00N	15			18
19	12	15			19
20	25	15			20
21	STD				21
22	37	10			22
23	50	85			23
24	62	10		PRELIMINARY REPORT ONLY	24
25	1+00E 0+75N	5		DATA TO BE CONFIRMED BY	25
26	1+12E 0+00N	20		CALCULATION OR REPEATED	26
27	12	25		ANALYSES	27
28	25	15			28
29	37	10			29
30	50	10			30
31	62	15			31
32	75 1+50N	15			32
33	87	20			33
34	1+00N	35			34
35	12	15			35
36	25	5			36
37	37	15			37
38	1+12E 1+50N	25			38
39	1+25E 0+00N	5			39
40	12N	5			40

ANALYSTS:  
FILE: Au = 5.0 g SL Jan 25  
Icp = 0.5 g SL Jan 23

COMMENT:  
PRELIMINARY REPORT ONLY  
DATA TO BE CONFIRMED BY  
CALCULATION OR REPEATED  
ANALYSES

X





L121-160

VANGEOCHEM LAB LTD.

## LAB WORK SHEET

PAGE 4 OF 22

DATE: JAN 21 1987  
 COMPANY: RAM EXPLORATION  
 PROJECT: \_\_\_\_\_

TYPE SAMPLES: 523 SOIL 320 SILT  
 SORTED BY: IC SL GE.  
 JOB #: 870066

No.	Sample	Au	Icp	Remarks	No.
01	1+62E 1+37	10			01
02	1+50N	5			02
03	1+75E 0+00N	5			03
04	12	5			04
05	25	5			05
06	37	5			06
07	50	5			07
08	62	5			08
09	75	10			09
10	87	10			10
11	1+00N	10			11
12	12	5			12
13	25	10			13
14	37	5			14
15	1+75E 1+50N	5			15
16	1+87E 0+00N	5			16
17	12	5			17
18	25	5			18
19	37	5			19
20	50	5			20
21	STD			PRELIMINARY REPORT ONLY	21
22	62	10		DATA TO BE CONFIRMED BY	22
23	75	15		CALCULATION OR REPEATED	23
24	87	10		ANALYSES	24
25	1+00N	10			25
26	12	10			26
27	1+37N	10			27
28	2+00E 0+00N	15			28
29	12	10			29
30	25	10			30
31	37	10			31
32	50	10			32
33	62	5			33
34	75	5			34
35	87	5			35
36	1+00N	5			36
37	12	10			37
38	25	5			38
39	37	2.0			39
40	2+00E 1+50N	15			40
ANALYSTS:				COMMENT: PRELIMINARY REPORT ONLY DATA TO BE CONFIRMED BY CALCULATION OR REPEATED ANALYSES	X
FILE: Au = 5.0 gsl gam 23. Icp = 0.5 gsl					

L161-200

VANGEOCHEM LAB LTD.

LAB WORK SHEET

DATE: JAN 21 1987  
 COMPANY: RAM EXPLORATION  
 PROJECT: \_\_\_\_\_

TYPE SAMPLES: 523 SOIL 320 SILT  
 SORTED BY: JC SL GE  
 JOB #: 870066

No.	Sample	Au	Icp	Remarks	No.
01	3+50E 0+00N(A)	5			01
02	0+00N(B)	5			02
03	25N	5			03
04	50	5			04
05	75	5			05
06	1+00	5			06
07	125	5			07
08	150	5			08
09	75	10			09
10	2+00	10			10
11	25	10			11
12	2+50N	10			12
13	0+25S	5			13
14	50	5			14
15	75	5			15
16	1+00	5			16
17	50	20			17
18	75	5			18
19	3+50E 2+00S	15			19
20	4+50E 0+00N	5			20
21	STD			PRELIMINARY REPORT ONLY DATA TO BE CONFIRMED BY CALCULATION OR REPEATED ANALYSES	21
22	25	5			22
23	50	5			23
24	75	15			24
25	1+00	5			25
26	25	20			26
27	50	10			27
28	75	10			28
29	2+00	5			29
30	25	5			30
31	2+50N	5		31	
32	4+50E 0+25S	5		32	
33	50	5		33	
34	75	5		34	
35	1+00	5		35	
36	25	5		36	
37	50	5		37	
38	75	10		38	
39	2+00	10		39	
40	25	15		40	

ANALYSTS:  
 FILE: Au = 5.08SL qan 26.  
 Icp = 0.58SL qan 26

COMMENT:  
 PRELIMINARY REPORT ONLY  
 DATA TO BE CONFIRMED BY  
 CALCULATION OR REPEATED  
 ANALYSES

X

L 201-240

VANGEOCHEM LAB LTD.

LAB WORK SHEET

PAGE 6 OF 22

DATE: JAN 21 1987  
 COMPANY: RAM EXPLORATION  
 PROJECT: \_\_\_\_\_

TYPE SAMPLES: 523 SOIL 320 SILT  
 SORTED BY: JC SL GE  
 JOB #: 870066

No.	Sample		Au		Icp	Remarks	No.
01	4750E 2+50S		15				01
02	5700E 0700		15				02
03		25N	10				03
04		50	10				04
05		75	10				05
06		1400	10				06
07		25	10				07
08		50	10				08
09		75	10				09
10		2400N	10				10
11		0725S	5				11
12		50	5				12
13		75	5				13
14		1425	15				14
15		50	10				15
16		75	5				16
17		2400	10				17
18		25	10				18
19	5700E 2+50S		10				19
20	5750E 0700N		10				20
21	STD					PRELIMINARY REPORT ONLY DATA TO BE CONFIRMED BY CALCULATION OR REPEATED ANALYSES	21
22		25	5				22
23		50	20				23
24		75	5				24
25		1400	5				25
26		25	5				26
27		50	5				27
28		75	5				28
29		2400N	15				29
30		0725S	15				30
31		50	15			31	
32		75	10			32	
33		1400	10			33	
34		25	10			34	
35		50	10			35	
36	5750E 1475S		10			36	
37	6700E 0700N		5			37	
38		25	5			38	
39		50	5			39	
40		0775N	5			40	

ANALYSTS:  
 FILE: Icp = 0.58 SE Jan 26  
 Au = 5.08 SE Jan 26

COMMENT:  
 PRELIMINARY REPORT ONLY  
 DATA TO BE CONFIRMED BY  
 CALCULATION OR REPEATED  
 ANALYSES



L 241-280

VANGEOCHEM LAB LTD.  
LAB WORK SHEET

PAGE 7 OF 22

DATE: JAN 21 1987  
COMPANY: RAM EXPLORATION  
PROJECT: \_\_\_\_\_

TYPE SAMPLES: S23 SOIL S20 SILT  
SORTED BY: SC SL GZ  
JOB #: 870066

No.	Sample		Au		Remarks	No.
01	6+00E 1+ 00N		5			01
02		25	10			02
03		50	10			03
04		75	10			04
05	2+ 25		10			05
06	2+ 50N		10			06
07	0+ 25S		5			07
08		50	15			08
09		75	5			09
10	1+ 00		5			10
11		25	5			11
12		50	5			12
13		75	5			13
14	2+ 00		10			14
15		25	10			15
16	6+00E 2+ 50S		10			16
17	6+50E 0+ 00N		10			17
18		25	10			18
19		50	10			19
20		75	10			20
21	STD				PRELIMINARY REPORT ONLY	21
22		1+ 00	10		DATA TO BE CONFIRMED BY	22
23		50	10		CALCULATION OR REPEATED	23
24		75	5		ANALYSES	24
25	2+ 00		20			25
26		25N	5			26
27	0+ 25S		5			27
28		50	5			28
29		75	5			29
30	1+ 00		5			30
31		25	5			31
32		50	10			32
33		75	10			33
34	2+ 00S		10			34
35		25	15			35
36	6+50E 2+ 50S		10			36
37	6+75E 0+ 00S		15			37
38		12	10			38
39		25	20			39
40	6+75E 0+ 50S		15			40

ANALYSTS:  
FILE: Au = 5.0 gsl gaw 26 86  
Icp = 0.5 gsl gaw 27 87.

COMMENT:  
PRELIMINARY REPORT ONLY  
DATA TO BE CONFIRMED BY  
CALCULATION OR REPEATED  
ANALYSES



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1521 PEMBERTON AVE.  
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BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-6656

## ===== GEOCHEMICAL ANALYTICAL REPORT =====

CLIENT: RAM EXPLORATION  
ADDRESS: 210-470 W. Granville St.  
: Vancouver, B.C.  
: V6C 1V5

DATE: Feb 2 1987

REPORT#: 870066 GA  
JOB#: 870066

PROJECT#: None Given  
SAMPLES ARRIVED: Jan 21 1987  
REPORT COMPLETED: Feb 2 1987  
ANALYSED FOR: Au ICP

INVOICE#: 870066 NA  
TOTAL SAMPLES: 843  
SAMPLE TYPE: See Notes  
REJECTS: DISCARDED

SAMPLES FROM: RAM EXPLORATION  
COPY SENT TO: RAM EXPLORATION

PREPARED FOR: MR. CARL VON EINSIEDEL

ANALYSED BY: VGC Staff

SIGNED: \_\_\_\_\_

GENERAL REMARK: 523 SOIL 320 SILT



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1521 PEMBERTON AVE.  
NORTH VANCOUVER, B.C. V7P 2S3  
(604) 966-5211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-6656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

PAGE 1 OF 22

SAMPLE #	Pu
	000
0+37E 0+ 00N	5
0+37E 0+ 12N	5
0+37E 0+ 25N	10
0+37E 0+ 37N	25
0+37E 0+ 50N	5
0+37E 0+ 62N	5
0+37E 0+ 75N	20
0+37E 0+ 87N	15
0+37E 1+ 00N	15
0+37E 1+ 25N	5
0+37E 1+ 37N	10
0+37E 1+ 50N	5
0+50E 0+ 00N	5
0+50E 0+ 12N	25
0+50E 0+ 25N	25
0+50E 0+ 37N	10
0+50E 0+ 75N	10
0+50E 0+ 87N	30
0+50E 1+ 00N	5
0+50E 1+ 12N	5
0+50E 1+ 25N	10
0+50E 1+ 37N	10
0+50E 1+ 50N	15
0+62E 0+ 00N	10
0+62E 0+ 12N	10
0+62E 0+ 25N	5
0+62E 0+ 37N	10
0+62E 0+ 50N	10
0+62E 0+ 75N	10
0+62E 0+ 87N	10
0+62E 1+ 00N	5
0+62E 1+ 12N	5
0+62E 1+ 25N	10
0+62E 1+ 37N	10
0+62E 1+ 50N	10
0+75E 0+ 00N	10
0+75E 0+ 12N	15
0+75E 0+ 25N	20
0+75E 0+ 37N	5

DETECTION LIMIT

5

nd = none detected

- = not analysed

is = insufficient sample



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VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RPM EXPLORATION

PAGE 2 OF 22

SAMPLE #	Au
	ppb
0+75E 0+ 62N	5
0+75E 0+ 75N	5
0+75E 0+ 87N	5
0+75E 1+ 00N	5
0+75E 1+ 12N	15
0+75E 1+ 25N	10
0+75E 1+ 37N	10
0+75E 1+ 50N	5
0+87E 0+ 00N	10
0+87E 0+ 12N	15
0+87E 0+ 25N	10
0+87E 0+ 50N	5
0+87E 0+ 62N	25
0+87E 0+ 75N	5
0+87E 0+ 87N	25
0+87E 1+ 00N	20
0+87E 1+ 12N	15
1+00E 0+ 00N	5
1+00E 0+ 12N	5
1+00E 0+ 25N	5
1+00E 0+ 37N	5
1+00E 0+ 50N	10
1+00E 0+ 62N	5
1+00E 0+ 75N	5
1+12E 0+ 00N	10
1+12E 0+ 12N	15
1+12E 0+ 25N	10
1+12E 0+ 37N	5
1+12E 0+ 50N	5
1+12E 0+ 62N	10
1+12E 0+ 75N	10
1+12E 0+ 87N	15
1+12E 1+ 00N	20
1+12E 1+ 12N	10
1+12E 1+ 25N	5
1+12E 1+ 37N	5
1+12E 1+ 50N	10
1+25E 0+ 00N	5
1+25E 0+ 12N	5

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample





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BRANCH OFFICE  
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VANCOUVER, B.C. V5L 1L6  
(604) 251-6666

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

PAGE 3 OF 22

SAMPLE #	Au
	oob
1+25E 0+ 25N	5
1+25E 0+ 37N	5
1+25E 0+ 50N	5
1+25E 0+ 62N	10
1+25E 0+ 75N	15
1+25E 0+ 87N	20
1+25E 1+ 00N	10
1+25E 1+ 12N	10
1+25E 1+ 25N	15
1+25E 1+ 37N	5
1+25E 1+ 50N	5
1+37E 0+ 00N	5
1+37E 0+ 12N	5
1+37E 0+ 25N	15
1+37E 0+ 37N	5
1+37E 0+ 50N	5
1+37E 0+ 75N	5
1+50E 0+ 00N	5
1+50E 0+ 12N	5
1+50E 0+ 37N	15
1+50E 0+ 50N	20
1+50E 0+ 75N	5
1+50E 0+ 87N	5
1+50E 1+ 00N	15
1+50E 1+ 12N	5
1+50E 1+ 25N	5
1+50E 1+ 37N	5
1+50E 1+ 50N	5
1+62E 0+ 00N	5
1+62E 0+ 12N	5
1+62E 0+ 25N	10
1+62E 0+ 37N	15
1+62E 0+ 50N	10
1+62E 0+ 62N	10
1+62E 0+ 75N	5
1+62E 0+ 87N	10
1+62E 1+ 00N	20
1+62E 1+ 12N	5
1+62E 1+ 25N	5

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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(604) 251-5656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAW EXPLORATION

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SAMPLE #	Au
	005
1+62E 1+ 37N	10
1+62E 1+ 50N	5
1+75E 0+ 00N	5
1+75E 0+ 12N	5
1+75E 0+ 25N	5
1+75E 0+ 37N	5
1+75E 0+ 50N	5
1+75E 0+ 62N	5
1+75E 0+ 75N	10
1+75E 0+ 87N	10
1+75E 1+ 00N	10
1+75E 1+ 12N	5
1+75E 1+ 25N	10
1+75E 1+ 37N	5
1+75E 1+ 50N	5
1+87E 0+ 00N	5
1+87E 0+ 12N	5
1+87E 0+ 25N	5
1+87E 0+ 37N	5
1+87E 0+ 50N	5
1+87E 0+ 62N	10
1+87E 0+ 75N	15
1+87E 0+ 87N	10
1+87E 1+ 00N	10
1+87E 1+ 12N	10
1+87E 1+ 37N	10
2+00E 0+ 00N	15
2+00E 0+ 12N	10
2+00E 0+ 25N	10
2+00E 0+ 37N	10
2+00E 0+ 50N	10
2+00E 0+ 62N	5
2+00E 0+ 75N	5
2+00E 0+ 87N	5
2+00E 1+ 00N	5
2+00E 1+ 12N	10
2+00E 1+ 25N	5
2+00E 1+ 37N	20
2+00E 1+ 50N	15

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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(604) 251-5656

REPORT NUMBER: 870066 BA

JOB NUMBER: 870066

RAM EXPLORATION

PAGE 5 OF 22

SAMPLE #	Au
	ppb
3+50E 0+ 00N (A)	5
3+50E 0+ 00N (B)	5
3+50E 0+ 25N	5
3+50E 0+ 50N	5
3+50E 0+ 75N	5
3+50E 1+ 00N	5
3+50E 1+125N	5
3+50E 1+150N	10
3+50E 1+ 75N	10
3+50E 2+ 00N	10
3+50E 2+ 25N	10
3+50E 2+ 50N	10
3+50E 0+ 25S	5
3+50E 0+ 50S	5
3+50E 0+ 75S	5
3+50E 1+ 00S	5
3+50E 1+ 50S	20
3+50E 1+ 75S	5
3+50E 2+ 00S	15
4+50E 0+ 00N	5
4+50E 0+ 25N	5
4+50E 0+ 50N	5
4+50E 0+ 75N	15
4+50E 1+ 00N	5
4+50E 1+ 25N	20
4+50E 1+ 50N	10
4+50E 1+ 75N	10
4+50E 2+ 00N	5
4+50E 2+ 25N	5
4+50E 2+ 50N	5
4+50E 0+ 25S	5
4+50E 0+ 50S	5
4+50E 0+ 75S	5
4+50E 1+ 00S	5
4+50E 1+ 25S	5
4+50E 1+ 50S	5
4+50E 1+ 75S	10
4+50E 2+ 00S	10
4+50E 2+ 25S	15

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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(604) 251-6656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

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SAMPLE #	Au
	oob
4+50E 2+ 50S	15
5+00E 0+ 00	15
5+00E 0+ 25N	10
5+00E 0+ 50N	10
5+00E 0+ 75N	10
5+00E 1+ 00N	10
5+00E 1+ 25N	10
5+00E 1+ 50N	10
5+00E 1+ 75N	10
5+00E 2+ 00N	10
5+00E 0+ 25S	5
5+00E 0+ 50S	5
5+00E 0+ 75S	5
5+00E 1+ 25S	15
5+00E 1+ 50S	10
5+00E 1+ 75S	5
5+00E 2+ 00S	10
5+00E 2+ 25S	10
5+00E 2+ 50S	10
5+50E 0+ 00N	10
5+50E 0+ 25N	5
5+50E 0+ 50N	20
5+50E 0+ 75N	5
5+50E 1+ 00N	5
5+50E 1+ 25N	5
5+50E 1+ 50N	5
5+50E 1+ 75N	5
5+50E 2+ 00N	15
5+50E 0+ 25S	15
5+50E 0+ 50S	15
5+50E 0+ 75S	10
5+50E 1+ 00S	10
5+50E 1+ 25S	10
5+50E 1+ 50S	10
5+50E 1+ 75S	10
6+00E 0+ 00N	5
6+00E 0+ 25N	5
6+00E 0+ 50N	5
6+00E 0+ 75N	5

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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VANCOUVER, B.C. V5L 1L6  
(604) 251-6656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

PAGE 7 OF 22

SAMPLE #	Au
	oob
6+00E 1+ 00N	5
6+00E 1+ 25N	10
6+00E 1+ 50N	10
6+00E 1+ 75N	10
6+00E 2+ 25N	10
6+00E 2+ 50N	10
6+00E 0+ 25S	5
6+00E 0+ 50S	15
6+00E 0+ 75S	5
6+00E 1+ 00S	5
6+00E 1+ 25S	5
6+00E 1+ 50S	5
6+00E 1+ 75S	5
6+00E 2+ 00S	10
6+00E 2+ 25S	10
6+00E 2+ 50S	10
6+50E 0+ 00N	10
6+50E 0+ 25N	10
6+50E 0+ 50N	10
6+50E 0+ 75N	10
6+50E 1+ 00N	10
6+50E 1+ 50N	10
6+50E 1+ 75N	5
6+50E 2+ 00N	20
6+50E 2+ 25N	5
6+50E 0+ 25S	5
6+50E 0+ 50S	5
6+50E 0+ 75S	5
6+50E 1+ 00S	5
6+50E 1+ 25S	5
6+50E 1+ 50S	10
6+50E 1+ 75S	10
6+50E 2+ 00S	10
6+50E 2+ 25S	15
6+50E 2+ 50S	10
6+75E 0+ 00S	15
6+75E 0+ 12S	10
6+75E 0+ 25S	20
6+75E 0+ 50S	15

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RPM EXPLORATION

PAGE 8 OF 22

SAMPLE #	Au
	ppb
6+75E 0+ 63S	5
6+75E 0+ 75S	5
6+75E 0+ 87S	5
6+75E 1+ 00S	5
6+75E 1+ 12S	5
6+75E 1+ 25S	5
6+75E 1+ 36S	5
6+75E 1+ 50S	5
6+75E 1+ 63S	5
6+75E 1+ 75S	5
6+75E 1+ 87S	10
6+75E 2+ 00S	5
7+00E 0+ 00N	5
7+00E 0+ 25N (A)	5
7+00E 0+ 25N (B)	10
7+00E 0+ 50N (A)	10
7+00E 0+ 50N (B)	10
7+00E 0+ 75N (A)	10
7+00E 0+ 75N (B)	10
7+00E 1+ 00N (A)	10
7+00E 1+ 00N (B)	15
7+00E 1+ 25N (A)	15
7+00E 1+ 25N (B)	10
7+00E 1+ 50N (A)	10
7+00E 1+ 50N (B)	10
7+00E 1+ 75N	10
7+00E 2+ 00N (A)	15
7+00E 2+ 00N (B)	5
7+00E 2+ 25N (A)	5
7+00E 2+ 25N (B)	5
7+00E 2+ 50N	5
7+00E 0+ 12S	10
7+00E 0+ 25S	10
7+00E 0+ 37S	10
7+00E 0+ 50S	10
7+00E 0+ 63S	30
7+00E 0+ 75S	20
7+00E 0+ 87S	15
7+00E 0+100S	10

DETECTION LIMIT

5

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(604) 251-6656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAW EXPLORATION

PAGE 9 OF 22

SAMPLE #	Au
	ppb
7+00E 0+125S	10
7+00E 0+150S	10
7+00E 0+175S	10
7+00E 0+225S	10
7+00E 0+250S	10
7+00E 1+ 12S	10
7+00E 1+ 37S	10
7+00E 1+ 63S	10
7+00E 1+ 87S	10
7+50E 0+ 00N	5
7+50E 0+ 25N	5
7+50E 0+ 50N	5
7+50E 0+ 75N	10
7+50E 1+ 00N	5
7+50E 1+ 25N	5
7+50E 1+ 50N	5
7+50E 1+ 75N	10
7+50E 2+ 00N	5
7+50E 2+ 25N	5
7+50E 0+ 25S	5
7+50E 0+ 50S	10
7+50E 0+ 75S	10
7+50E 0+100S	5
7+50E 0+125S	10
7+50E 0+150S	10
7+50E 0+175S	20
7+50E 0+200S	5
7+50E 0+225S	15
7+50E 0+250S	15
8+00E 0+ 00N	20
8+00E 0+ 25N	15
8+00E 0+ 50N	15
8+00E 0+ 75N	15
8+00E 1+ 00N	15
8+00E 1+ 25N	25
8+00E 1+ 50N	15
8+00E 1+ 75N	15
8+00E 2+ 00N	5
8+00E 2+ 25N	5

DETECTION LIMIT

5

nd = none detected

— = not analysed

is = insufficient sample



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
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(604) 251-6656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RPM EXPLORATION

PAGE 10 OF 22

SAMPLE #	Au
	odp
8+00E 2+ 50N	<u>10</u>
8+00E 0+ 25S	15
8+00E 0+ 50S	15
8+00E 0+ 75S	10
8+00E 1+ 00S	15
8+00E 1+ 25S	5
8+00E 1+ 50S	5
8+00E 1+ 75S	10
8+00E 2+ 00S	10
8+00E 2+ 25S	10
8+00E 2+ 50S	<u>10</u>
8+50E 0+ 00N	<u>10</u>
8+50E 0+ 25N	10
8+50E 0+ 50N	15
8+50E 0+ 75N	10
8+50E 1+ 25N	25
8+50E 1+ 50N	10
8+50E 1+ 75N	15
8+50E 2+ 25N	5
8+50E 2+ 50N	5
8+50E 0+ 25S	5
8+50E 0+ 50S	10
8+50E 0+ 75S	10
8+50E 1+ 00S	10
8+50E 1+ 25S	5
8+50E 1+ 50S	5
8+50E 1+ 75S	5
8+50E 2+ 00S	10
8+50E 2+ 25S	20
8+50E 2+ 50S	5
9+00E 0+ 00N	10
9+00E 0+ 25N	10
9+00E 0+ 50N	10
9+00E 1+ 00N	5
9+00E 1+ 25N	5
9+00E 1+ 50N	5
9+00E 1+ 75N	5
9+00E 2+ 00N	5
9+00E 0+ 25S	5

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample





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(604) 251-6666

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

PAGE 11 OF 22

SAMPLE #	Au
	ppb
9+00E 0+ 50S	5
9+00E 0+ 75S	5
9+00E 1+ 00S	5
9+00E 1+ 50S	5
9+00E 2+ 00S	5
9+00E 2+ 25S	10
9+00E 2+ 50S	5
9+00E 2+ 75S	10
9+00E 3+ 00S	10
9+50E 0+ 00N	10
9+50E 0+ 25N	10
9+50E 0+ 50N	5
9+50E 0+ 75N	10
9+50E 1+ 25N	5
9+50E 1+ 50N	10
9+50E 0+ 50S	15
9+50E 0+ 75S	15
9+50E 1+ 00S	10
9+50E 1+ 25S	10
9+50E 1+ 50S	5
9+50E 1+ 75S	10
9+50E 2+ 00S	5
9+50E 2+ 50S	5
9+50E 3+ 00S	10
10+00E 0+ 00N (A)	10
10+00E 0+ 25N (A)	25
10+00E 0+ 25N (B)	20
10+00E 0+ 50N (A)	15
10+00E 0+ 50N (B)	15
10+00E 0+ 75N (A)	15
10+00E 0+ 75N (B)	15
10+00E 1+ 00N (A)	10
10+00E 1+ 00N (B)	10
10+00E 1+ 25N (A)	15
10+00E 1+ 25N (B)	15
10+00E 1+ 50N (A)	15
10+00E 1+ 50N (B)	25
10+00E 1+ 75N (A)	15
10+00E 1+ 75N (B)	20

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1521 PEMBERTON AVE.  
NORTH VANCOUVER, B.C. V7P 2S3  
(604) 966-5211 TELEX: 04-352578

BRANCH OFFICE  
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VANCOUVER, B.C. V5L 1L6  
(604) 251-6656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

PAGE 12 OF 22

SAMPLE #	Au
	oob
10+00E 2+ 00N	10
10+00E 0+ 25S	20
10+00E 0+ 50S	10
10+00E 0+ 75S	10
10+00E 1+ 00S	10
10+00E 1+ 25S	10
10+00E 1+ 50S	10
10+00E 1+ 75S	10
10+00E 2+ 00S	10
10+00E 2+ 25S	5
10+00E 2+ 50S	5
10+00E 2+ 75S	5
10+00E 3+ 00S	5
10+50E 0+ 00N (A)	10
10+50E 0+ 00N (B)	10
10+50E 0+ 25N (A)	15
10+50E 0+ 25N (B)	10
10+50E 0+ 50N (A)	15
10+50E 0+ 50N (B)	10
10+50E 0+ 75N (A)	5
10+50E 0+ 75N (B)	5
10+50E 1+ 00N (A)	5
10+50E 1+ 00N (B)	10
10+50E 1+ 25N (A)	15
10+50E 1+ 25N (B)	15
10+50E 1+ 50N (A)	10
10+50E 1+ 50N (B)	15
10+50E 1+ 75N (A)	15
10+50E 1+ 75N (B)	15
10+50E 2+ 00N (A)	10
10+50E 2+ 00N (B)	10
10+50E 0+ 25S	10
10+50E 0+ 50S (A)	5
10+50E 0+ 50S (B)	10
10+50E 0+ 75S (A)	10
10+50E 0+ 75S (B)	10
10+50E 1+ 00S (A)	10
10+50E 1+ 00S (B)	10
10+50E 1+ 25S (A)	10

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = inessicient sample



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1521 PEMBERTON AVE.  
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(604) 251-6656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

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SAMPLE #	Au
	ppb
10+50E 1+ 25S (B)	10
10+50E 1+ 50S	15
10+50E 1+ 75S (A)	5
10+50E 1+ 75S (B)	5
10+50E 2+ 00S	10
10+50E 2+ 25S (A)	5
10+50E 2+ 25S (B)	10
10+50E 2+ 50S	10
10+50E 2+ 75S	10
11+00E 0+ 00N	5
11+00E 0+ 25N	5
11+00E 0+ 50N	10
11+00E 0+ 75N	10
11+00E 1+ 00N	10
11+00E 1+ 25N	10
11+00E 1+ 50N	5
11+00E 1+ 75N	5
11+00E 2+ 00N	10
11+00E 0+ 00S	10
11+00E 0+ 25S	5
11+00E 0+ 50S	10
11+00E 0+ 75S	5
11+50E 0+ 00N	10
11+50E 0+ 25N	25
11+50E 0+ 50N	5
11+50E 0+ 75N	5
11+50E 1+ 00N	15
11+50E 1+ 25N	20
11+50E 1+ 50N	10
11+50E 1+ 75N	5
11+50E 2+ 00N	5
12+00E 0+ 00N	10
12+00E 0+ 25N	10
12+00E 0+ 50N	10
12+00E 0+ 75N	10
12+00E 1+ 00N	5
12+00E 1+ 25N	5
12+00E 1+ 50N	10
12+00E 1+ 75N	10

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1521 PEMBERTON AVE.  
NORTH VANCOUVER, B.C. V7P 2S3  
(604) 966-5211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L8  
(604) 251-5656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

PAGE 14 OF 22

SAMPLE #	Au
	oob
12+00E 2+ 00N	5
12+00E 0+ 25S	5
12+00E 0+ 75S	5
12+00E 1+ 00S	5
12+50E 0+ 25N	5
12+50E 0+ 50N	5
12+50E 0+ 75N	5
12+50E 1+ 00N	10
12+50E 1+ 25N	10
12+50E 1+ 50N	5
12+50E 1+ 75N	5
12+50E 2+ 00N	5
12+50E 0+ 25S	5
12+50E 0+ 50S	5
12+50E 1+ 25S	5
12+50E 1+ 50S	5
P1 016	5
P1 017	5
P1 018	5
P1 019	10
P1 020	5
P1 021	10
P1 022	5
P1 023	5
P1 024	5
P1 025	10
P1 026	5
P1 027	5
P1 028	10
P1 029	5
P1 030	5
P1 031	5
P1 032	5
P1 033	5
P1 034	5
P1 035	5
P1 036	5
P1 037	5
P1 038	10

DETECTION LIMIT 5

nd = none detected

-- = not analysed

is = insufficient sample



# VANGEOCHEM LAB LIMITED

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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RFM EXPLORATION

PAGE 15 OF 22

SAMPLE #	Au
	ppb
P1 039	15
P1 040	5
P1 041	5
P1 042	10
P1 043	5
P1 044	20
P1 046	10
P1 048	5
P1 049	5
P1 050	10
P2 001	10
P2 002	10
P2 003	5
P2 004	5
P2 005	5
P2 006	5
P2 007	5
P2 008	5
P2 009	5
P2 010	10
P2 011	10
P2 012	5
P2 013	5
P2 014	5
P2 015	5
P2 016	10
P2 017	5
P2 018	5
P2 019	5
P2 020	5
P2 021	5
P2 022	5
P2 023	15
P2 024	15
P2 025	5
P2 026	5
P2 027	5
P2 028	5
P2 029	5

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



# VANGEOCHEM LAB LIMITED

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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L8  
(604) 251-6656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

PAGE 16 OF 22

SAMPLE #	Au ppb
P2 030	5
P2 031	5
P2 032	10
P2 033	5
P2 034	5
P2 035	5
P2 036	5
P2 037	10
P2 038	10
P2 039	10
P2 040	5
P2 041	5
P2 042	5
P2 043	10
P2 044	10
P2 045	5
P2 046	10
P2 047	5
P2 048	5
P2 049	10
P2 050	5
P3 001	5
P3 002	5
P3 003	10
P3 004	15
P3 005	5
P3 006	5
P3 007	5
P3 008	5
P3 009	5
P3 010	10
P3 011	10
P3 012	10
P3 013	10
P3 014	10
P3 015	5
P3 016	5
P3 017	5
P3 018	10

DETECTION LIMIT

5

nd = none detected

- = not analysed

is = insufficient sample



# VANGEOCHEM LAB LIMITED

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NORTH VANCOUVER, B.C. V7P 2S3  
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BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 870066 GA

JOB NUMBER: 872066

RAW EXPLORATION

PAGE 17 OF 22

SAMPLE #	g/g
P3 019	5
P3 020	5
P3 021	10
P3 022	5
P3 023	5
P3 024	10
P3 025	10
P3 026	15
P3 027	5
P3 028	5
P3 029	15
P3 030	10
P3 031	5
P3 032	10
P3 033	5
P3 034	5
P3 035	5
P3 036	10
P3 037	5
P4 001	5
P4 002	10
P4 003	15
P4 004	5
P4 005	5
P4 006	10
P4 007	5
P4 008	10
P4 009	5
P4 010	5
P4 011	5
P4 012	5
P4 013	5
P4 014	5
P4 015	5
P4 015	5
P4 017	20
P4 018	5
P4 019	5
P4 020	5

DETECTION LIMIT 5

nd = none detected

-- = not analysed

is = insufficient sample



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
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NORTH VANCOUVER, B.C. V7P 2S3  
(604) 965-5211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L8  
(604) 251-5658

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

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SAMPLE #	Au
P4 021	nd
P4 022	nd
P4 023	nd
P4 024	5
P4 025	nd
P4 026	nd
P4 027	nd
P4 028	nd
P4 029	nd
P4 030	nd
P4 031	nd
P4 032	nd
P4 033	nd
P4 034	nd
P4 035	nd
P4 036	nd
P4 037	nd
P4 038	nd
P4 039	5
P4 040	5
S 001	nd
S 002	5
S 003	nd
S 004	nd
S 005	nd
S 006	nd
S 007	nd
S 008	nd
S 009	nd
S 010	nd
S 011	nd
S 012	nd
S 013	nd
S 014	nd
S 015	5
S 016	nd
S 017	5
S 018	10
S 019	10

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample





# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
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NORTH VANCOUVER, B.C. V7P 2S3  
(604) 986-6211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L8  
(604) 251-6666

REPORT NUMBER: 870066 EA

JOB NUMBER: 870066

RCM EXPLORATION

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SAMPLE #	Au
S 020	nd
S 022	nd
S 023	nd
S 024	nd
S 025	nd
S 026	nd
S 027	nd
S 028	nd
S 029	nd
S 030	nd
S 031	nd
S 032	10
S 033	10
S 034	5
S 035	nd
SM-1 001	nd
SM-1 002	10
SM-1 003	nd
SM-1 004	nd
SM-1 005	5
SM-1 006	nd
SM-1 007	5
SM-1 008	5
SM-1 009	5
SM-1 010	5
SM-1 011	nd
SM-1 012	nd
SM-1 013	nd
SM-1 014	nd
SM-1 015	nd
SM-1 016	nd
SM-1 017	nd
SM-1 018	10
SM-1 019	10
SM-1 020	nd
SM-1 021	nd
SM-1 022	nd
SM-1 023	5
SM-1 024	10

DETECTION LIMIT

5

nd = none detected

— = not analysed

is = insufficient sample



# VANGEOCHEM LAB LIMITED

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NORTH VANCOUVER, B.C. V7P 2S3  
(604) 966-5211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L8  
(604) 251-5656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

PAGE 20 OF 22

SAMPLE #	Au ppb
SM-1 025	nd
SM-1 026	5
SM-1 027	nd
SM-1 028	nd
SM-1 029	nd
SM-1 030	nd
SM-1 031	nd
SM-1 032	nd
SM-1 033	5
SM-1 034	5
SM-1 035	nd
SM-1 036	5
SM-1 037	5
SM-1 038	nd
SM-1 039	nd
SM-1 040	10
SM-1 041	10
SM-1 042	5
SM-1 044	nd
SM-1 045	nd
SM-1 046	10
SM-1 047	nd
SM-1 048	10
SM-1 049	5
SM-1 050	nd
SM-2 001	10
SM-2 002	10
SM-2 003	10
SM-2 004	nd
SM-2 005	nd
SM-2 006	nd
SM-2 007	nd
SM-2 008	nd
SM-2 009	5
SM-2 010	nd
SM-2 011	5
SM-2 012	15
SM-2 013	nd
SM-2 014	10

DETECTION LIMIT

5

nd = none detected

— = not analysed

is = insufficient sample



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1521 PEMBERTON AVE.  
NORTH VANCOUVER, B.C. V7P 2S3  
(604) 966-6211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RAM EXPLORATION

PAGE 21 OF 22

SAMPLE #	Au
	ppb
SM-2 015	nd
SM-2 016	nd
SM-2 017	nd
SM-2 018	15
SM-2 019	5
SM-2 020	nd
SM-2 021	nd
SM-2 023	5
SM-2 024	10
SM-2 025	nd
SM-2 026	nd
SM-2 027	10
SM-2 028	5
SM-2 029	nd
SM-2 030	nd
SM-2 031	nd
SM-2 032	10
SM-2 033	nd
SM-2 034	10
SM-2 035	20
SM-2 036	10
SM-2 037	10
SM-2 038	5
SM-2 039	nd
SM-2 040	10
SM-2 041	5
SM-2 043	nd
T 001	5
T 002	5
T 003	nd
T 004	nd
T 005	10
T 006	nd
T 007	nd
T 008	nd
T 009	nd
T 010	nd
T 011	nd
T 012	nd

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1521 PEMBERTON AVE.  
NORTH VANCOUVER, B.C. V7P 2S3  
(604) 988-6211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-6666

REPORT NUMBER: 870066 GA

JOB NUMBER: 870066

RM EXPLORATION

PAGE 22 OF 22

SAMPLE #	Au
T 013	5
T 014	nd
T 015	nd
T 016	5
T 017	10
T 018	10
T 019	10
T 020	10
T 021	nd
T 021B	nd
T 023	nd
T 024	10
T 025	10
T 026	10
T 027	10
T 028	nd
T 029	5
T 030	nd
T 031	nd
T 032	5
T 033	nd
T 034	5
T 035	nd
T 036	10

DETECTION LIMIT  
nd = none detected

5  
-- = not analysed    is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2G3 PH: (604)986-5211 TELEX:04-352578  
 BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH: (604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR SM,NM,FE,CA,P,CR,NG,BA,PD,AL,NA,K,N,PT AND SR. AU AND PD DETECTION IS 3 PPM.  
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -- NOT ANALYZED

COMPANY: RAM EXPLORATIONS  
 ATTENTION:  
 PROJECT:

REPORT#: B70066PA  
 JOB#: B70066  
 INVOICE#: B70066NA

DATE RECEIVED: B7/01/21  
 DATE COMPLETED: B7/01/29  
 COPY SENT TO:

ANALYST *W. P. Jones*

PAGE 1 OF 10

SAMPLE NAME	AG	AL	AS	AU	BA	BI	CA	CO	CR	CU	FE	K	MG	NA	NO	NI	P	PD	PT	SB	SM	SR	U	W	ZN				
	PPM	I	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	I	I	I	PPM	PPM	I	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM				
0+37E 0+00N	.3	2.15	103	ND	63	ND	.64	.8	34	32	167	3.90	.12	.76	635	ND	.01	105	.06	13	ND	ND	ND	ND	59	ND	3	140	
0+37E 0+12N	.3	2.54	ND	ND	121	ND	1.00	1.1	30	32	185	3.87	.14	1.02	441	ND	.01	77	.06	14	ND	ND	ND	ND	65	ND	ND	149	
0+37E 0+25N	.3	2.82	ND	ND	134	ND	.81	.4	30	32	203	4.24	.15	1.08	496	ND	.01	67	.04	14	ND	ND	ND	ND	53	ND	ND	138	
0+37E 0+37N	.3	2.74	4	ND	70	ND	.44	.4	40	32	300	4.62	.14	.81	1141	1	.01	58	.06	8	ND	ND	ND	ND	24	ND	ND	181	
0+37E 0+50N	.3	2.08	ND	ND	55	ND	.28	.6	47	30	205	5.20	.14	.60	1936	2	.01	37	.07	11	ND	ND	ND	ND	15	ND	ND	170	
0+37E 0+62N	ND	1.52	ND	ND	31	ND	.72	.3	20	11	92	3.22	.13	.17	1343	7	.01	16	.11	6	ND	ND	ND	ND	66	12	ND	102	
0+37E 0+75N	.8	2.27	ND	ND	78	8	.35	.1	15	119	34	3.02	.17	2.75	567	ND	.01	11	.05	3	ND	ND	ND	3	36	ND	6	96	
0+37E 0+87N	.9	1.95	ND	ND	85	4	.24	.1	12	147	37	3.35	.16	2.00	270	ND	.01	10	.03	5	ND	ND	ND	8	9	ND	3	57	
0+37E 1+00N	.5	2.24	3	ND	71	ND	.28	.4	28	57	111	4.87	.13	.77	1190	3	.01	32	.06	7	ND	ND	ND	1	19	ND	ND	149	
0+37E 1+25N	.2	2.37	ND	ND	78	ND	.63	.3	28	54	105	3.66	.13	.98	366	1	.01	27	.06	8	ND	ND	ND	ND	32	ND	ND	117	
0+37E 1+37N	.5	2.11	3	ND	41	ND	.15	.8	12	37	98	4.15	.11	.48	239	9	.01	17	.05	9	ND	ND	ND	ND	10	ND	ND	118	
0+37E 1+50N	.5	1.56	ND	ND	38	ND	.06	.3	14	42	92	4.30	.11	.35	352	4	.01	16	.05	9	ND	ND	ND	1	6	ND	ND	84	
0+50E 0+00N	.3	2.07	13	ND	39	ND	.97	.4	15	9	43	3.90	.15	.16	370	ND	.01	38	.08	23	ND	ND	ND	ND	119	5	ND	30	
0+50E 0+12N	.5	2.04	3	ND	107	3	.61	.8	25	31	143	3.70	.12	.88	446	1	.01	65	.07	67	ND	ND	ND	ND	35	ND	ND	127	
0+50E 0+25N	.5	3.37	ND	ND	99	ND	.43	.4	54	34	610	5.75	.16	.96	627	1	.01	111	.06	7	ND	ND	ND	ND	26	ND	ND	261	
0+50E 0+37N	.3	2.29	ND	ND	60	ND	.55	.3	32	30	373	5.12	.14	.51	1041	3	.01	36	.07	7	ND	ND	ND	ND	25	ND	ND	152	
0+50E 0+75N	.3	2.68	ND	ND	82	ND	.66	.6	30	109	90	5.01	.14	1.01	1161	2	.01	61	.08	10	ND	ND	ND	ND	34	ND	ND	156	
0+50E 0+87N	.3	2.95	ND	ND	69	ND	.46	.4	25	90	95	5.50	.14	.83	1004	2	.01	45	.08	6	ND	ND	ND	ND	24	ND	ND	135	
0+50E 1+00N	.5	2.15	ND	ND	84	ND	.64	.3	25	34	107	4.37	.14	.72	997	2	.01	43	.07	5	ND	ND	ND	ND	35	ND	ND	148	
0+50E 1+12N	.1	3.34	ND	ND	76	ND	.35	1.1	97	47	159	4.89	.13	.81	1323	2	.01	56	.08	6	ND	ND	ND	ND	27	ND	ND	218	
0+50E 1+25N	.5	2.58	ND	ND	124	3	.17	.1	15	40	125	5.25	.16	1.16	275	2	.01	15	.05	8	ND	ND	ND	ND	1	11	ND	ND	62
0+50E 1+37N	.8	3.08	ND	ND	51	ND	.10	.6	18	85	138	4.84	.11	1.01	256	4	.01	23	.05	7	ND	ND	3	ND	8	ND	ND	190	
0+50E 1+50N	.5	3.33	ND	ND	58	5	.09	.1	20	81	184	4.97	.13	1.08	320	3	.01	22	.05	6	ND	ND	ND	ND	7	ND	ND	126	
0+62E 0+00N	.2	2.50	24	ND	77	ND	.63	.6	40	38	120	4.23	.13	.81	1029	ND	.01	93	.07	11	ND	ND	ND	ND	50	ND	ND	140	
0+62E 0+12N	.5	1.81	12	ND	62	ND	.54	.1	37	34	476	6.30	.15	.52	1130	4	.01	32	.08	9	ND	ND	ND	ND	28	ND	ND	114	
0+62E 0+25N	.3	2.62	ND	ND	68	ND	.52	.7	26	33	248	4.32	.13	.60	814	2	.01	37	.07	8	ND	ND	ND	ND	28	ND	ND	133	
0+62E 0+37N	.3	3.66	ND	ND	54	ND	.46	.6	34	39	281	4.80	.14	.81	905	ND	.01	49	.07	10	ND	ND	ND	ND	25	ND	ND	182	
0+62E 0+50N	.3	2.58	ND	ND	72	ND	.70	.5	30	35	268	5.05	.14	.60	946	3	.01	27	.08	7	ND	ND	ND	ND	29	ND	ND	176	
0+62E 0+75N	.2	2.22	ND	ND	64	ND	.50	.8	30	72	112	5.07	.13	.61	1530	3	.01	54	.09	7	ND	ND	ND	ND	27	ND	ND	160	
0+62E 0+87N	.3	3.64	ND	ND	60	3	.29	.2	24	158	83	4.65	.12	2.11	510	1	.01	34	.06	6	ND	ND	ND	ND	14	ND	ND	81	
0+62E 1+00N	.5	2.17	3	ND	57	3	.24	.1	18	67	103	4.60	.13	.81	629	6	.01	32	.05	7	ND	ND	ND	ND	14	ND	ND	70	
0+62E 1+12N	.5	1.31	ND	ND	43	ND	.22	.1	14	47	60	4.08	.11	.45	417	6	.01	16	.05	11	ND	ND	3	4	12	ND	ND	62	
0+62E 1+25N	.3	3.47	ND	ND	63	3	.20	.6	29	82	173	4.40	.12	1.27	167	1	.01	30	.05	7	ND	ND	ND	ND	13	ND	ND	89	
0+62E 1+37N	.5	3.47	ND	ND	61	3	.16	.8	24	67	159	5.32	.13	1.10	303	4	.01	21	.05	8	ND	ND	ND	ND	12	ND	ND	154	
0+62E 1+50N	.3	2.79	ND	ND	45	ND	.13	.6	16	62	163	4.34	.11	.78	255	2	.01	15	.05	7	ND	ND	ND	ND	8	ND	ND	79	
0+75E 0+00N	.3	2.43	9	ND	100	ND	.59	1.1	39	37	124	4.39	.13	.78	1342	1	.01	80	.06	10	ND	ND	ND	ND	32	ND	ND	169	
0+75E 0+12N	.3	2.12	20	ND	78	ND	.50	.4	32	34	250	4.47	.13	.71	1057	3	.01	49	.08	9	ND	ND	ND	ND	31	ND	ND	134	
0+75E 0+25N	.3	2.82	4	ND	53	ND	.61	.6	32	43	335	4.37	.13	.81	907	1	.01	52	.07	10	ND	ND	ND	ND	33	ND	ND	158	
0+75E 0+37N	.3	2.61	ND	ND	44	ND	1.47	.6	28	33	270	4.85	.16	.60	1058	4	.01	31	.06	5	ND	ND	ND	ND	187	ND	ND	116	
DETECTION LIMIT	.1	.01	3	3	1	3	.81	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1	

SAMPLE NAME	AG PPH	AL I	AS PPH	AU PPH	BA PPH	BI PPH	CA I	CD PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	MN PPH	MO PPH	NA I	NI PPH	P I	PB PPH	PD PPH	PT PPH	SB PPH	SM PPH	SR PPH	U PPH	M PPH	ZN PPH
0+75E 0+62N	.3	2.32	ND	ND	71	ND	.43	.7	49	48	215	5.27	.13	.54	1772	4	.01	42	.11	6	ND	ND	ND	ND	22	ND	ND	138
0+75E 0+75N	.4	3.62	ND	ND	54	ND	.62	.6	31	109	120	5.37	.13	1.13	915	3	.01	72	.08	4	ND	ND	ND	ND	26	ND	ND	112
0+75E 0+87N	.5	3.00	ND	ND	66	7	.25	.2	22	129	119	4.94	.11	1.46	449	3	.01	39	.06	6	ND	ND	ND	ND	16	ND	ND	77
0+75E 1+00N	.6	2.37	ND	ND	35	6	.17	.2	16	87	112	4.73	.12	1.08	462	6	.01	22	.05	7	ND	ND	ND	2	9	ND	ND	58
0+75E 1+12N	.4	3.72	ND	ND	53	ND	.18	.9	37	70	224	4.79	.13	.82	479	3	.01	38	.06	6	ND	ND	ND	ND	12	ND	ND	111
0+75E 1+25N	.6	1.82	ND	ND	31	3	.13	.1	11	32	86	4.15	.11	.38	142	4	.01	11	.04	9	ND	ND	ND	ND	7	ND	ND	34
0+75E 1+37N	.8	2.47	3	ND	55	6	.12	.4	17	87	99	4.66	.11	1.01	375	2	.01	15	.05	5	ND	ND	ND	1	8	ND	ND	78
0+75E 1+50N	.8	2.38	ND	ND	95	4	.15	.1	17	68	187	5.57	.16	1.14	312	2	.01	17	.05	7	ND	ND	ND	2	8	ND	ND	58
0+87E 0+00N	.2	2.63	4	ND	75	ND	.65	1.0	37	36	173	4.26	.12	.80	1149	ND	.01	90	.07	9	ND	ND	ND	ND	41	ND	ND	178
0+87E 0+12N	.3	1.85	ND	ND	68	ND	1.82	.9	35	30	226	3.97	.15	.59	1083	1	.01	83	.10	11	ND	ND	ND	ND	85	ND	ND	173
0+87E 0+25N	.4	1.89	5	ND	48	ND	1.00	1.0	24	58	210	3.66	.13	.37	824	2	.01	77	.10	9	ND	ND	ND	ND	45	ND	ND	140
0+87E 0+50N	.3	1.63	5	ND	69	ND	.55	.5	39	41	245	4.59	.13	.36	1150	4	.01	39	.10	11	ND	ND	ND	ND	28	ND	ND	135
0+87E 0+62N	.4	3.42	ND	ND	40	5	.35	.2	29	117	197	5.86	.14	.90	751	5	.01	51	.07	6	ND	ND	ND	ND	17	ND	ND	111
0+87E 0+75N	.6	4.00	3	ND	104	7	.34	.3	32	198	142	5.53	.15	2.12	592	3	.01	80	.05	5	ND	ND	ND	ND	23	ND	ND	106
0+87E 0+87N	1.1	2.34	3	ND	91	8	.10	.1	14	144	202	4.89	.17	2.05	201	3	.01	26	.05	4	ND	ND	ND	3	7	ND	4	48
0+87E 1+00N	.6	2.27	4	ND	60	4	.13	.1	26	70	185	4.85	.13	.86	397	7	.01	31	.06	5	ND	ND	ND	ND	9	ND	ND	63
0+87E 1+12N	.4	1.38	3	ND	82	ND	.53	1.0	40	40	148	4.62	.13	.49	545	4	.01	37	.07	8	ND	ND	ND	ND	32	ND	ND	106
1+00E 0+00N	.3	2.37	4	ND	131	ND	1.38	.8	31	34	114	3.68	.15	.84	1041	ND	.01	79	.06	11	ND	ND	ND	ND	64	ND	ND	148
1+00E 1+12N	.8	2.74	ND	ND	290	7	.55	.3	28	87	148	4.53	.20	1.85	441	ND	.01	59	.04	4	ND	ND	ND	2	38	ND	ND	99
1+00E 1+25N	.5	2.93	ND	ND	71	ND	.61	.5	29	44	323	5.38	.14	.75	1023	3	.01	46	.07	9	ND	ND	ND	ND	32	ND	ND	132
1+00E 1+37N	.5	2.11	4	ND	70	3	.46	.5	29	33	249	4.90	.14	.53	1286	3	.01	39	.06	9	ND	ND	ND	ND	26	3	ND	163
1+00E 1+50N	.3	2.41	ND	ND	60	ND	.68	1.0	40	32	191	4.98	.15	.35	1288	2	.01	58	.08	9	ND	ND	ND	ND	37	5	ND	162
1+00E 1+62N	.2	2.31	ND	ND	61	ND	.31	.6	59	39	258	5.04	.13	.49	1295	4	.01	40	.09	8	ND	ND	ND	ND	20	ND	ND	134
1+00E 0+75N	.3	3.47	3	ND	43	5	.28	.1	30	98	197	5.52	.13	1.06	625	8	.01	85	.07	9	ND	ND	ND	ND	12	ND	ND	112
1+12E 0+00N	.9	3.04	6	ND	161	8	.46	.1	39	95	59	4.97	.17	2.09	429	ND	.01	77	.05	4	ND	ND	ND	4	20	ND	ND	91
1+12E 0+12N	.3	2.59	3	ND	40	ND	.81	1.0	33	32	315	4.79	.14	.64	945	2	.01	74	.06	6	ND	ND	ND	ND	43	4	ND	173
1+12E 0+25	.6	2.57	3	ND	55	3	.79	1.1	29	36	406	4.41	.15	.67	951	2	.01	54	.08	4	ND	ND	ND	ND	42	ND	ND	159
1+12E 0+37N	.3	2.17	4	ND	48	ND	.47	.6	24	29	221	4.17	.12	.51	947	3	.01	26	.07	10	ND	ND	ND	ND	26	ND	ND	139
1+12E 0+50N	.1	2.25	5	ND	43	ND	.51	.8	53	32	355	6.08	.14	.48	2108	4	.01	41	.12	7	ND	ND	ND	ND	26	ND	ND	182
1+12E 0+62N	.1	2.56	ND	ND	57	ND	.25	.5	65	40	294	5.35	.12	.45	1479	4	.01	44	.09	7	ND	ND	ND	ND	17	ND	ND	140
1+12E 0+75N	.1	1.53	5	ND	74	ND	.42	.2	46	62	161	3.71	.10	.73	1359	4	.01	32	.11	28	ND	ND	ND	ND	23	ND	ND	81
1+12E 0+87N	.1	1.16	ND	ND	43	ND	1.15	.1	17	25	108	10.30	.23	.20	2836	12	.01	37	.11	10	ND	ND	ND	ND	27	7	ND	100
1+12E 1+00N	.8	2.56	3	ND	21	7	.13	.1	15	101	159	6.28	.13	.67	163	8	.01	23	.04	7	ND	ND	3	5	5	ND	ND	57
1+12E 1+12N	.6	2.04	4	ND	34	8	.11	.1	15	98	130	4.51	.09	1.06	134	6	.01	31	.03	5	ND	ND	ND	3	8	ND	ND	35
1+12E 1+25N	.5	.68	5	ND	29	6	.12	.4	30	55	75	3.60	.07	.31	639	4	.01	34	.06	9	ND	ND	ND	ND	5	7	ND	42
1+12E 1+37N	.1	.53	5	ND	33	ND	.17	.1	7	16	74	4.46	.09	.14	117	6	.01	12	.10	21	ND	ND	ND	ND	14	ND	ND	42
1+12E 1+50N	.1	1.93	ND	ND	23	ND	.13	.1	20	28	76	6.40	.11	.31	321	4	.01	14	.06	7	ND	ND	ND	ND	9	ND	ND	62
1+25E 0+00N	.1	1.82	4	ND	43	ND	.63	.8	23	18	92	3.56	.10	.33	1543	2	.01	52	.06	10	ND	ND	ND	ND	27	ND	ND	173
1+25E 1+12N	.1	.76	7	ND	40	ND	.49	.8	12	16	77	2.56	.05	.18	412	4	.01	29	.07	24	ND	ND	ND	ND	29	ND	ND	102
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CO PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MM PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	U PPM	M PPM	ZN PPM
1425E 0+25M	.2	1.60	3	ND	60	ND	.70	.6	27	43	240	3.70	.10	.54	1830	4	.01	40	.07	7	ND	ND	3	ND	48	ND	ND	147
1425E 0+37M	.4	3.00	3	ND	45	ND	.34	.2	26	33	272	4.51	.11	.54	759	3	.01	37	.07	6	ND	ND	6	ND	20	ND	ND	145
1425E 0+50M	.3	1.58	6	ND	26	ND	.68	.4	22	11	136	3.24	.11	.20	1115	2	.01	25	.08	10	ND	ND	3	ND	46	6	ND	123
1425E 0+62M	.6	2.41	ND	ND	91	6	.48	.1	20	131	293	8.26	.19	2.20	484	4	.01	12	.08	3	ND	ND	3	10	19	ND	8	69
1425E 0+75M	.1	2.12	ND	ND	60	ND	.28	.1	101	33	398	6.48	.08	.30	2986	5	.01	39	.10	3	ND	ND	3	ND	19	ND	ND	135
1425E 0+87M	.3	2.29	ND	ND	75	4	.46	.1	23	138	122	5.79	.08	1.95	488	2	.01	25	.05	1	ND	ND	3	5	25	ND	ND	93
1425E 1+00M	.1	2.95	ND	ND	62	ND	.43	.1	131	108	177	6.41	.08	1.20	1866	4	.01	44	.07	11	ND	ND	ND	MD	23	ND	ND	396
1425E 1+12M	.3	1.01	6	ND	21	ND	.16	.1	9	55	40	3.12	.03	.48	140	4	.01	13	.03	6	ND	ND	ND	6	9	ND	ND	45
1425E 1+25M	.4	.80	ND	ND	25	ND	.07	.1	7	57	40	4.10	.04	.40	78	3	.01	5	.03	7	ND	ND	ND	7	4	ND	ND	34
1425E 1+37M	.1	2.87	ND	ND	21	ND	.34	.6	6	12	123	1.29	.01	.14	62	5	.01	5	.08	ND	ND	ND	ND	ND	17	ND	ND	61
1426E 1+50M	.3	2.58	ND	ND	29	ND	.15	.1	15	12	57	4.05	.07	.30	183	4	.01	8	.03	8	ND	ND	3	1	11	ND	ND	84
1437E 0+00M	.1	2.08	ND	ND	32	ND	.86	1.5	19	15	71	3.18	.08	.32	1451	ND	.01	48	.06	11	ND	ND	ND	ND	39	ND	ND	178
1437E 0+12M	.1	2.09	ND	ND	60	ND	1.06	.8	28	18	223	3.97	.10	.44	1969	2	.01	50	.08	4	ND	ND	ND	ND	83	ND	ND	197
1437E 0+25M	.1	1.37	ND	ND	39	ND	.54	.4	22	19	247	3.85	.08	.34	1184	9	.01	19	.07	6	ND	ND	ND	ND	27	ND	ND	122
1437E 0+37M	.4	2.43	ND	ND	46	ND	.39	.2	30	30	289	4.94	.10	.43	1226	4	.01	22	.11	4	ND	ND	3	ND	16	ND	ND	155
1437E 0+50M	.1	1.02	3	ND	28	ND	.16	.2	62	9	240	4.49	.10	.12	2904	5	.01	23	.14	10	ND	ND	ND	ND	9	4	ND	117
1437E 0+75M	.4	.93	5	ND	46	ND	.56	.3	15	23	69	3.35	.08	.27	739	4	.01	16	.06	17	ND	ND	ND	5	32	ND	ND	89
1450E 0+00M	.2	1.86	ND	ND	27	ND	.81	1.2	23	15	187	3.07	.11	.32	1207	1	.01	61	.06	12	ND	ND	ND	ND	39	5	ND	182
1450E 0+12M	.2	2.43	ND	ND	33	ND	.77	.3	43	26	537	5.97	.15	.41	1596	4	.01	60	.06	10	ND	ND	4	ND	32	4	ND	250
1450E 0+37M	.5	1.53	ND	ND	34	ND	.19	.1	21	24	172	5.59	.11	.30	658	10	.01	21	.07	10	ND	ND	3	3	14	ND	ND	118
1450E 0+50M	.3	2.02	ND	ND	48	ND	.14	.2	43	20	290	5.54	.11	.24	1768	6	.01	22	.17	9	ND	ND	3	MD	13	ND	ND	164
1450E 0+75M	.5	1.01	ND	ND	41	ND	.15	.1	11	17	108	3.62	.08	.20	360	5	.01	11	.05	12	ND	ND	ND	4	15	ND	ND	59
1450E 0+87M	.6	.71	ND	ND	31	ND	.12	.1	6	9	42	4.29	.08	.12	74	5	.01	6	.05	14	ND	ND	ND	8	9	ND	ND	51
1450E 1+00M	.6	.94	4	ND	22	3	.05	.1	7	61	54	3.80	.07	.48	92	4	.01	6	.03	9	ND	ND	ND	10	3	ND	ND	33
1450E 1+12M	.5	1.45	ND	ND	27	ND	.08	.2	9	44	60	3.75	.07	.41	240	8	.01	8	.03	10	ND	ND	ND	5	9	ND	ND	70
1450E 1+25M	.4	1.12	ND	ND	40	ND	.36	.5	6	5	33	1.56	.05	.17	147	3	.01	6	.05	10	ND	ND	ND	2	23	ND	ND	45
1450E 1+37M	.6	2.34	ND	ND	22	ND	.17	.1	6	5	23	3.40	.08	.11	127	2	.01	1	.03	10	ND	ND	ND	1	9	ND	ND	30
1450E 1+50M	.8	.60	4	ND	13	ND	.08	.1	5	9	27	3.09	.07	.06	92	4	.01	2	.02	15	ND	ND	ND	9	5	ND	ND	21
1462E 0+00M	.1	1.60	ND	ND	30	ND	1.50	.8	10	5	39	1.77	.10	.17	1110	ND	.01	32	.11	11	ND	ND	ND	ND	139	ND	ND	105
1462E 0+12M	.2	.81	ND	ND	21	ND	1.06	.8	9	7	45	1.54	.08	.15	920	1	.01	26	.05	13	ND	ND	ND	MD	54	ND	ND	129
1462E 0+25M	.5	2.25	ND	ND	40	ND	.17	.3	22	45	261	4.58	.10	.56	637	5	.01	17	.06	8	ND	ND	ND	MD	11	ND	ND	73
1462E 0+37M	.4	.60	5	ND	25	ND	.13	.1	3	13	97	2.38	.06	.08	58	5	.01	7	.08	19	ND	ND	ND	4	16	ND	ND	43
1462E 0+50M	.6	2.13	ND	ND	23	ND	.11	.1	14	20	244	4.70	.10	.32	220	8	.01	11	.07	8	ND	ND	ND	1	8	ND	ND	86
1462E 0+62M	.3	1.56	ND	ND	22	ND	.10	.1	10	8	437	4.25	.10	.14	388	3	.01	6	.10	10	ND	ND	ND	ND	8	ND	ND	55
1462E 0+75M	.3	1.29	5	ND	40	ND	.40	1.1	41	9	198	2.22	.08	.15	1723	3	.01	19	.08	13	ND	ND	ND	MD	25	ND	ND	111
1462E 0+87M	.4	.41	5	ND	62	ND	.32	.1	5	23	34	1.70	.07	.17	712	2	.01	8	.05	29	ND	ND	ND	5	22	ND	ND	47
1462E 1+00M	.8	.63	5	ND	30	ND	.06	.1	5	50	20	2.70	.08	.44	61	2	.01	1	.03	9	ND	ND	ND	9	3	ND	ND	19
1462E 1+12M	.4	.34	4	ND	49	ND	.59	1.1	6	6	45	.79	.06	.10	67	5	.01	16	.05	9	ND	ND	ND	3	43	ND	ND	69
1462E 1+25M	.3	1.48	5	ND	24	ND	.30	.6	36	12	75	2.99	.08	.19	881	8	.01	8	.05	8	ND	ND	ND	MD	13	ND	ND	73
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

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SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
1+42E 1+37N	.3	.78	ND	ND	11	ND	.05	.1	4	5	45	3.27	.08	.06	92	3	.01	3	.03	12	ND	ND	ND	2	3	ND	ND	16
1+42E 1+50N	.8	.58	7	ND	49	ND	.13	.3	6	6	44	.86	.05	.08	75	4	.01	3	.02	15	ND	ND	ND	9	10	ND	ND	29
1+75E 0+00N	.1	.88	4	ND	25	ND	.50	.6	11	6	40	1.77	.08	.12	885	1	.01	24	.05	11	ND	ND	ND	ND	31	ND	ND	127
1+75E 0+12N	.1	1.98	ND	ND	20	ND	.61	.5	26	23	210	4.14	.12	.36	1580	3	.01	51	.08	9	ND	ND	ND	ND	37	ND	ND	197
1+75E 0+25N	.1	1.31	5	ND	32	ND	.27	.2	28	24	248	4.02	.10	.34	1297	5	.01	20	.06	9	ND	ND	ND	ND	14	ND	ND	109
1+75E 0+37N	.3	2.06	ND	ND	31	ND	.08	.2	13	35	200	3.99	.08	.41	335	4	.01	11	.05	8	ND	ND	ND	ND	8	ND	ND	55
1+75E 0+50N	.3	3.00	ND	ND	39	ND	.12	.1	26	36	309	4.41	.10	.50	424	5	.01	26	.07	6	ND	ND	ND	ND	10	ND	7	122
1+75E 0+62N	.3	1.89	ND	ND	24	ND	.11	.2	14	19	95	4.47	.10	.20	366	4	.01	11	.04	10	ND	ND	ND	ND	7	ND	ND	94
1+75E 0+75N	.5	1.16	4	ND	33	ND	.17	.1	14	24	95	4.41	.11	.22	366	7	.01	6	.04	9	ND	ND	ND	6	10	ND	ND	67
1+75E 0+87N	.6	1.31	3	ND	22	ND	.06	.1	7	66	58	4.41	.08	.51	177	3	.01	4	.04	6	ND	ND	ND	6	4	ND	ND	31
1+75E 1+00N	.5	1.45	4	ND	24	ND	.10	.1	7	77	69	4.58	.10	.63	198	2	.01	4	.04	6	ND	ND	ND	5	6	ND	ND	34
1+75E 1+12N	.6	1.10	5	ND	34	4	.11	.2	7	64	57	3.64	.08	.46	191	5	.01	9	.03	8	ND	ND	ND	5	7	ND	ND	46
1+75E 1+25N	.1	3.20	ND	ND	39	ND	.34	.6	8	7	114	3.52	.08	.22	579	1	.01	6	.06	5	ND	ND	ND	ND	18	ND	ND	54
1+75E 1+37N	.1	4.49	ND	ND	41	ND	.28	.1	26	7	71	2.22	.08	.22	329	ND	.01	14	.08	3	ND	ND	ND	ND	18	ND	ND	53
1+75E 1+50N	.3	.50	6	ND	57	ND	.17	.2	3	4	42	.76	.04	.03	46	2	.01	7	.03	15	ND	ND	ND	3	22	ND	ND	53
1+87E 0+00N	.1	1.48	5	ND	8	ND	.68	.3	12	6	41	2.08	.08	.08	579	ND	.01	22	.08	13	ND	ND	ND	ND	67	ND	ND	78
1+87E 0+12N	.1	2.11	ND	ND	46	ND	.94	.8	42	29	364	5.83	.15	.43	2376	7	.01	69	.13	13	ND	ND	ND	ND	40	ND	ND	273
1+87E 0+25N	.1	2.54	ND	ND	49	ND	.68	.6	33	14	438	4.60	.13	.44	1374	4	.01	36	.07	6	ND	ND	ND	ND	31	ND	ND	198
1+87E 0+37N	.3	3.74	ND	ND	43	ND	.08	.1	17	51	327	4.55	.10	.63	383	4	.01	18	.07	5	ND	ND	ND	ND	8	ND	ND	61
1+87E 0+50N	.3	2.99	ND	ND	40	ND	.11	.1	19	29	260	4.50	.10	.35	418	6	.01	19	.06	7	ND	ND	ND	ND	8	ND	ND	78
1+87E 0+62N	.6	1.56	6	ND	27	ND	.10	.1	12	52	128	4.17	.10	.44	348	4	.01	17	.05	8	ND	ND	ND	1	5	ND	ND	62
1+87E 0+75N	.5	2.22	ND	ND	73	ND	.20	.1	20	20	121	4.58	.11	.32	920	3	.01	16	.06	9	ND	ND	ND	ND	12	ND	ND	95
1+87E 0+87N	.8	2.04	3	ND	37	ND	.14	.1	9	83	72	4.83	.11	.68	270	2	.01	8	.04	7	ND	ND	3	4	8	ND	ND	42
1+87E 1+00N	.5	2.22	3	ND	41	ND	.16	.1	9	61	143	4.33	.10	.41	158	2	.01	13	.04	4	ND	ND	ND	ND	10	ND	ND	43
1+87E 1+12N	.5	2.77	ND	ND	29	5	.06	.1	11	99	150	4.55	.10	.85	187	4	.01	13	.04	6	ND	ND	ND	ND	3	ND	ND	74
1+87E 1+37N	.5	.56	5	ND	45	ND	.22	.5	3	4	49	1.00	.06	.14	72	2	.01	8	.05	12	ND	ND	ND	2	18	ND	ND	44
2+00E 0+00N	.1	1.18	4	ND	33	ND	1.39	1.3	17	10	79	2.52	.12	.22	2302	2	.01	37	.11	11	ND	ND	ND	ND	50	10	ND	191
2+00E 0+12N	.1	2.40	4	ND	49	ND	.56	.6	44	22	550	6.51	.16	.53	1627	6	.01	40	.06	7	ND	ND	ND	ND	24	ND	3	237
2+00E 0+25N	.3	2.97	4	ND	45	ND	.17	.1	32	71	323	5.83	.12	.77	849	7	.01	19	.07	9	ND	ND	3	ND	12	ND	ND	85
2+00E 0+37N	.6	1.88	3	ND	72	ND	.10	.1	13	69	203	5.58	.12	.80	384	5	.01	10	.05	7	ND	ND	3	4	11	ND	ND	51
2+00E 0+50N	.5	2.11	5	ND	49	3	.35	.4	31	29	203	4.97	.12	.44	958	5	.01	22	.07	10	ND	ND	3	ND	17	ND	ND	128
2+00E 0+62N	1.1	1.33	6	ND	33	ND	.17	.1	15	33	173	4.79	.11	.39	232	6	.01	15	.07	11	ND	ND	3	5	9	ND	ND	68
2+00E 0+75N	1.1	1.04	7	ND	45	5	.11	.1	10	55	61	4.94	.11	.28	304	5	.01	9	.06	13	ND	ND	3	8	10	ND	ND	45
2+00E 0+87N	.5	2.12	5	ND	41	3	.06	.1	10	88	127	4.75	.12	.86	174	2	.01	9	.04	6	ND	ND	3	1	3	ND	ND	38
2+00E 1+00N	.8	2.41	4	ND	37	4	.08	.3	15	80	144	4.50	.11	.71	509	5	.01	13	.05	8	ND	ND	3	1	5	ND	ND	77
2+00E 1+12N	.3	4.01	4	ND	38	ND	.16	1.2	44	33	248	5.08	.11	.38	1683	3	.01	29	.10	8	ND	ND	7	ND	10	ND	ND	314
2+00E 1+25N	.5	1.39	6	ND	43	ND	.14	.6	16	15	110	3.75	.08	.20	962	3	.01	6	.08	11	ND	ND	3	ND	14	ND	ND	62
2+00E 1+37N	.3	1.68	6	ND	65	ND	.28	.3	18	24	110	3.79	.10	.32	958	2	.01	10	.08	11	ND	ND	ND	ND	21	ND	ND	44
2+00E 1+50N	.3	2.09	3	ND	56	ND	.26	.5	17	5	76	3.34	.08	.20	961	1	.01	6	.10	9	ND	ND	3	ND	19	ND	ND	69
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



SAMPLE NAME	AG PPH	AL I	AS PPH	AU PPH	BA PPH	B1 PPH	CA I	CO PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	MN PPH	MO PPH	NA I	NI PPH	P I	PB PPH	PD PPH	PT PPH	SB PPH	SK PPH	SR PPH	U PPH	V PPH	ZN PPH	
3+50E 0+00N(A)	.1	1.48	8	ND	95	ND	.30	.5	51	18	81	4.91	.07	.15	5061	7	.01	25	.15	14	ND	ND	ND	ND	84	5	ND	69	
3+50E 0+00N(B)	.1	2.79	11	ND	60	ND	.38	.1	8	5	44	3.64	.04	.17	588	1	.01	7	.07	9	ND	ND	ND	ND	47	ND	ND	27	
3+50E 0+25N	.5	1.37	8	ND	44	ND	.14	.1	8	11	47	3.84	.05	.08	237	3	.01	8	.02	9	ND	ND	ND	2	16	ND	ND	35	
3+50E 0+50N	.1	6.27	9	ND	77	ND	.41	.4	37	6	180	4.12	.07	.15	584	ND	.01	28	.08	9	ND	ND	4	ND	55	ND	ND	69	
3+50E 0+75N	.1	1.29	7	ND	72	ND	.96	.6	13	9	47	2.56	.07	.22	935	1	.01	42	.05	11	ND	ND	ND	ND	82	3	ND	107	
3+50E 1+00N	.1	4.66	7	ND	97	ND	.60	.6	16	5	104	2.87	.06	.64	1114	ND	.01	82	.11	12	ND	ND	ND	ND	67	ND	ND	130	
3+50E 1+25N	.1	.65	5	ND	45	ND	.17	.1	3	2	31	1.82	.01	.11	138	1	.01	6	.06	11	ND	ND	ND	ND	39	ND	ND	42	
3+50E 1+50N	.1	3.67	8	ND	81	ND	.75	.1	12	2	55	1.19	.01	.21	1707	ND	.01	5	.04	7	ND	ND	ND	ND	49	ND	ND	89	
3+50E 2+00N	.1	4.48	6	ND	102	ND	.08	.2	19	5	27	3.34	.03	.25	2117	ND	.01	5	.08	8	ND	ND	ND	ND	18	ND	ND	121	
3+50E 2+25N	.1	.78	6	ND	53	ND	.06	.1	4	1	14	1.54	.03	.14	700	1	.01	2	.02	7	ND	ND	ND	1	28	ND	ND	22	
3+50E 2+50N	.1	4.65	4	ND	45	ND	.08	.1	7	4	30	4.42	.07	.17	247	1	.01	3	.03	13	ND	ND	ND	4	ND	8	ND	ND	33
3+50E 0+25E	.1	2.29	7	ND	59	ND	.16	.1	13	12	61	4.37	.06	.16	987	2	.01	9	.05	8	ND	ND	ND	ND	18	ND	ND	45	
3+50E 0+50E	.1	3.70	3	ND	215	ND	.34	.1	13	5	24	3.77	.08	.63	739	ND	.01	5	.08	5	ND	ND	ND	ND	38	ND	ND	71	
3+50E 0+75E	.1	2.97	3	ND	147	ND	.24	.1	12	15	31	3.47	.06	.61	562	ND	.01	24	.08	6	ND	ND	ND	ND	30	ND	ND	56	
3+50E 1+00E	.1	2.36	4	ND	173	ND	.22	.1	60	4	58	3.92	.06	.39	5628	7	.01	5	.14	2	ND	ND	ND	ND	35	ND	ND	66	
3+50E 1+50E	.2	1.73	9	ND	86	ND	.26	.5	15	8	28	4.41	.06	.27	1008	2	.01	11	.04	9	ND	ND	ND	ND	16	ND	ND	143	
3+50E 1+75E	.6	2.37	8	ND	390	ND	.17	.1	79	118	138	8.00	.37	1.72	145	ND	.01	28	.84	4	ND	ND	ND	ND	8	12	ND	4	91
3+50E 2+00E	.1	8.1	9	ND	54	ND	.11	.1	6	8	58	8.11	.04	.66	111	1	.01	2	.04	8	ND	ND	ND	ND	2	4	ND	30	
3+50E 2+25E	.1	1.61	4	ND	77	ND	.11	.1	8	6	62	3.29	.04	.33	882	ND	.01	4	.08	11	ND	ND	ND	ND	13	ND	ND	49	
4+50E 0+25N	.1	2.87	4	ND	33	ND	.08	.1	6	7	18	3.04	.04	.22	248	ND	.01	12	.04	5	ND	ND	ND	ND	8	ND	ND	30	
4+50E 0+50N	.1	3.00	5	ND	28	ND	.07	.1	6	5	14	3.57	.03	.17	156	2	.01	5	.04	11	ND	ND	ND	ND	6	ND	ND	24	
4+50E 0+75N	.1	2.04	ND	ND	119	ND	.24	.1	8	5	15	2.79	.05	.40	693	ND	.01	6	.03	4	ND	ND	ND	ND	38	ND	ND	59	
4+50E 1+00N	.1	3.65	3	ND	41	ND	.14	.2	6	6	14	3.80	.04	.16	173	ND	.01	2	.04	13	ND	ND	3	ND	12	ND	ND	45	
4+50E 1+25N	.1	4.67	5	ND	70	4	.14	.1	9	7	17	6.23	.08	.29	226	3	.01	3	.05	13	ND	ND	3	ND	19	ND	ND	45	
4+50E 1+50N	.1	5.10	4	ND	102	3	.22	.1	19	5	25	5.24	.08	.44	789	6	.01	3	.04	11	ND	ND	4	ND	45	ND	ND	61	
4+50E 1+75N	.1	2.68	ND	ND	44	ND	.08	.1	15	2	11	4.01	.05	.07	411	2	.01	1	.04	7	ND	ND	ND	ND	26	ND	ND	27	
4+50E 2+00N	.3	1.00	7	ND	34	ND	.07	.1	8	5	12	3.59	.04	.15	249	3	.01	3	.01	11	ND	ND	ND	ND	3	20	ND	ND	24
4+50E 2+25N	.2	.28	3	ND	26	ND	.05	.1	3	2	8	1.64	.01	.04	70	2	.01	1	.02	9	ND	ND	ND	ND	2	4	ND	ND	15
4+50E 2+50N	.1	4.85	ND	ND	59	ND	.11	.1	14	6	18	4.33	.04	.26	386	ND	.01	4	.05	9	ND	ND	ND	ND	11	ND	ND	66	
4+50E 0+25E	.1	4.42	ND	ND	144	ND	.24	.2	15	5	24	4.26	.07	.50	3434	1	.01	5	.11	4	ND	ND	ND	ND	22	ND	ND	60	
4+50E 0+50E	.3	2.57	ND	ND	73	ND	.07	.1	12	6	23	5.08	.06	.20	750	1	.01	4	.04	11	ND	ND	ND	2	11	ND	ND	35	
4+50E 0+75E	.1	1.48	5	ND	45	4	.14	.1	8	11	50	2.99	.01	.40	189	ND	.01	7	.02	7	ND	ND	ND	1	17	ND	ND	30	
4+50E 1+00E	.1	1.08	9	ND	44	ND	.14	.1	8	6	40	3.72	.04	.15	528	1	.01	6	.05	16	ND	ND	ND	1	11	ND	ND	30	
4+50E 1+25E	.1	2.20	ND	ND	55	ND	.08	.1	16	11	63	2.83	.03	.16	316	1	.01	13	.05	11	ND	ND	ND	ND	11	ND	ND	38	
4+50E 1+50E	.3	1.12	6	ND	29	3	.08	.1	8	6	55	4.57	.04	.12	170	3	.01	7	.03	9	ND	ND	ND	ND	2	7	ND	ND	29
4+50E 1+75E	.1	1.21	4	ND	42	ND	.22	.3	24	28	85	4.37	.04	.26	735	6	.01	16	.08	4	ND	ND	ND	ND	16	ND	ND	66	
4+50E 2+00E	.2	2.59	5	ND	66	ND	.32	1.2	26	82	107	5.48	.07	.80	649	3	.01	40	.07	7	ND	ND	ND	ND	16	ND	3	358	
4+50E 2+25E	.1	1.47	4	ND	48	ND	.13	.2	11	53	80	4.00	.03	.60	223	3	.01	17	.05	4	ND	ND	ND	1	9	ND	ND	73	
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1	

SAMPLE NAME	AG PPH	AL I	AS PPH	AJ PPH	BA PPH	BI PPH	CA I	CD PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	MN PPH	MO PPH	NA I	NI PPH	P I	PB PPH	PD PPH	PT PPH	SB PPH	SN PPH	SR PPH	U PPH	W PPH	ZN PPH	
4+50E 2+50S	.3	1.54	ND	ND	77	ND	.28	.4	18	42	70	4.12	.08	.48	1188	3	.01	24	.06	6	ND	ND	ND	2	16	ND	ND	109	
5+00E 0+00	.3	2.47	ND	ND	52	ND	.17	.1	7	6	16	4.45	.06	.13	166	2	.01	3	.03	10	ND	ND	ND	3	14	ND	ND	28	
5+00E 0+25N	.1	3.45	3	ND	62	ND	.12	.1	6	3	8	2.83	.04	.22	277	ND	.01	2	.05	13	ND	ND	ND	ND	17	ND	ND	29	
5+00E 0+50N	.1	.14	6	ND	32	ND	.61	.1	ND	1	4	.17	.01	.05	20	ND	.01	1	.04	ND	ND	ND	ND	ND	24	ND	ND	32	
5+00E 0+75N	.1	2.84	ND	ND	69	ND	.13	.1	9	4	5	3.37	.04	.29	303	1	.01	2	.05	9	ND	ND	ND	ND	14	ND	ND	51	
5+00E 1+00N	.1	2.65	ND	ND	58	ND	.12	.1	9	2	2	3.02	.05	.22	766	ND	.01	2	.05	9	ND	ND	ND	ND	21	ND	ND	40	
5+00E 1+25N	.1	2.04	ND	ND	113	ND	.22	.1	8	4	5	2.47	.04	.19	781	ND	.01	2	.05	13	ND	ND	ND	ND	28	ND	ND	47	
5+00E 1+50N	.1	4.90	3	ND	93	ND	.11	.1	10	3	15	3.74	.07	.28	333	ND	.01	2	.06	14	ND	ND	ND	ND	28	ND	ND	47	
5+00E 1+75N	.3	1.10	ND	ND	46	ND	.10	.1	12	9	14	3.64	.06	.17	496	3	.01	2	.03	12	ND	ND	ND	5	8	ND	ND	53	
5+00E 2+00N	.1	2.65	ND	ND	59	ND	.07	.1	8	4	35	3.12	.04	.24	415	1	.01	ND	.05	56	ND	ND	ND	ND	8	9	ND	ND	35
5+00E 0+25S	.6	1.97	ND	ND	79	ND	.11	.1	8	4	17	3.60	.05	.22	252	1	.01	2	.03	9	ND	ND	ND	3	12	ND	ND	68	
5+00E 0+50S	.1	.27	8	ND	23	ND	.08	.1	1	2	ND	.38	.01	.04	46	1	.01	2	.04	5	ND	ND	ND	ND	10	ND	ND	25	
5+00E 0+75S	.2	.77	ND	ND	36	ND	.11	.1	5	20	57	2.75	.04	.08	232	11	.01	9	.06	7	ND	ND	ND	ND	11	ND	ND	25	
5+00E 1+25S	.3	1.62	ND	ND	76	ND	.14	.1	22	17	113	4.58	.08	.22	923	4	.01	15	.08	10	ND	ND	ND	2	12	ND	ND	74	
5+00E 1+50S	.3	1.48	ND	ND	43	ND	.08	.1	17	38	79	4.09	.07	.40	346	3	.01	18	.05	15	ND	ND	ND	4	9	ND	ND	52	
5+00E 1+75S	.1	1.21	ND	ND	38	ND	.11	.1	7	26	131	2.95	.06	.36	119	4	.01	12	.06	8	ND	ND	ND	1	9	ND	ND	51	
5+00E 2+00S	.3	1.76	ND	ND	26	ND	.16	.1	11	24	76	4.14	.07	.30	155	4	.01	8	.04	8	ND	ND	ND	2	8	ND	ND	35	
5+00E 2+25S	.3	1.62	ND	ND	70	3	.29	.1	13	65	72	4.09	.08	.83	760	6	.01	14	.05	8	ND	ND	ND	3	14	ND	ND	67	
5+00E 2+50S	.1	3.20	ND	ND	43	ND	.30	.1	29	88	114	5.42	.10	.88	794	4	.01	58	.07	9	ND	ND	ND	ND	14	ND	ND	95	
5+50E 0+00N	.2	2.41	3	ND	92	ND	.11	.1	9	4	13	3.16	.06	.25	428	ND	.01	ND	.10	10	ND	ND	ND	ND	12	ND	ND	53	
5+50E 0+25N	.4	3.15	ND	ND	62	3	.11	.1	12	11	10	4.23	.08	.20	512	4	.01	11	.05	11	ND	ND	ND	ND	13	ND	ND	33	
5+50E 0+50N	.1	3.55	ND	ND	115	ND	.17	.1	9	4	9	2.95	.08	.34	498	ND	.01	4	.06	13	ND	ND	ND	ND	23	ND	ND	46	
5+50E 0+75N	.1	3.41	ND	ND	164	ND	.22	.1	11	2	6	3.18	.08	.44	834	ND	.01	1	.07	10	ND	ND	ND	ND	32	ND	ND	55	
5+50E 1+00N	.2	2.47	ND	ND	59	ND	.10	.1	7	3	7	3.24	.06	.24	187	ND	.01	2	.04	9	ND	ND	ND	ND	10	ND	ND	40	
5+50E 1+25N	.1	1.61	ND	ND	71	ND	.14	.1	8	5	3	2.70	.07	.22	516	1	.01	3	.06	14	ND	ND	ND	ND	19	ND	ND	47	
5+50E 1+50N	.1	2.52	4	ND	29	ND	.10	.1	8	4	3	2.38	.06	.22	238	3	.01	1	.04	12	ND	ND	ND	ND	8	14	4	37	
5+50E 1+75N	.3	1.62	ND	ND	52	ND	.06	.1	10	3	5	3.45	.06	.14	337	3	.01	ND	.03	9	ND	ND	ND	3	17	ND	ND	27	
5+50E 2+00N	.4	.86	ND	ND	39	3	.07	.1	7	4	6	2.77	.05	.10	375	3	.01	ND	.03	11	ND	ND	ND	4	13	ND	ND	26	
5+50E 0+25S	.1	.46	ND	ND	44	ND	.14	.1	1	2	10	.86	.02	.05	43	ND	.01	1	.07	7	ND	ND	ND	ND	15	ND	ND	32	
5+50E 0+50S	.4	2.95	ND	ND	42	ND	.12	.1	13	6	22	3.67	.08	.20	247	2	.01	2	.04	14	ND	ND	ND	1	8	ND	ND	30	
5+50E 0+75S	.2	1.18	ND	ND	57	ND	.20	.1	11	14	34	2.70	.05	.15	409	3	.01	8	.05	10	ND	ND	ND	1	18	ND	ND	35	
5+50E 1+00S	.1	3.95	4	ND	59	ND	.30	.2	139	8	160	2.02	.03	.15	1649	ND	.01	18	.14	9	ND	ND	ND	ND	27	ND	ND	53	
5+50E 1+25S	.2	2.66	ND	ND	54	4	.10	.1	21	32	87	3.72	.07	.68	267	2	.01	20	.04	8	ND	ND	ND	ND	10	ND	ND	70	
5+50E 1+50S	.5	.51	ND	ND	20	3	.07	.1	6	6	37	2.79	.05	.11	73	4	.01	1	.03	5	ND	ND	ND	5	4	ND	ND	25	
5+50E 1+75S	.4	1.33	ND	ND	15	ND	.08	.1	12	22	43	5.01	.08	.28	109	5	.01	7	.03	9	ND	ND	ND	6	3	ND	ND	42	
6+00E 0+00N	.2	2.18	ND	ND	48	ND	.07	.1	7	8	11	3.27	.06	.20	226	ND	.01	1	.04	9	ND	ND	ND	ND	7	ND	ND	38	
6+00E 0+25N	.1	.64	7	ND	40	ND	.05	.1	2	2	4	1.37	.01	.06	51	1	.01	1	.06	13	ND	ND	ND	1	9	ND	ND	38	
6+00E 0+50N	.8	.86	3	ND	28	6	.04	.1	7	2	3	2.50	.04	.06	69	3	.01	ND	.01	12	ND	ND	ND	12	5	ND	ND	16	
6+00E 0+75N	.1	2.42	ND	ND	202	ND	.30	.1	10	3	10	2.75	.08	.58	675	ND	.01	ND	.07	9	ND	ND	ND	ND	35	ND	ND	72	
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1	

CLIENT: RAM EXPLORATIONS

JOB#: 870066

PROJECT:

REPORT: 870066PA DATE: 87/01/29

PAGE 7 OF 10

SAMPLE NAME	AG PPH	AL I	AS PPH	AU PPH	BA PPH	BI PPH	CA I	CD PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	NN PPH	NO PPH	NA I	NI PPH	P I	PB PPH	PD PPH	PT PPH	SB PPH	SM PPH	SR PPH	U PPH	W PPH	ZN PPH
6+00E 1+00N	.1	3.62	4	ND	99	ND	.46	.2	8	4	18	2.81	.02	.28	332	ND	.01	2	.05	8	ND	ND	ND	ND	61	ND	ND	71
6+00E 1+25N	.2	2.91	ND	ND	153	4	.22	.1	12	1	34	4.59	.05	.58	420	2	.01	ND	.04	8	ND	ND	ND	3	38	ND	ND	52
6+00E 1+50N	.2	2.22	3	ND	35	3	.10	.1	8	6	13	4.11	.03	.14	366	3	.01	ND	.03	9	ND	ND	ND	1	10	ND	5	36
6+00E 1+75N	.1	4.08	4	ND	39	ND	.10	.1	8	8	17	4.87	.05	.21	189	1	.01	ND	.04	13	ND	ND	ND	ND	9	ND	ND	36
6+00E 2+25N	.1	3.39	8	ND	61	ND	.09	.1	9	4	16	3.03	.03	.14	265	1	.01	ND	.06	10	ND	ND	ND	ND	24	ND	ND	29
6+00E 2+50N	.1	5.97	9	ND	60	ND	.14	.1	13	6	20	4.81	.06	.22	463	1	.01	ND	.06	16	ND	ND	5	ND	33	ND	ND	38
6+00E 0+25S	.1	.32	4	ND	22	ND	.04	.1	3	3	12	1.75	.01	.05	60	1	.01	ND	.04	11	ND	ND	ND	2	9	ND	ND	19
6+00E 0+50S	.1	1.04	3	ND	39	ND	.13	.1	4	6	19	2.45	.01	.14	175	1	.01	3	.05	12	ND	ND	ND	ND	13	ND	ND	44
6+00E 0+75S	.1	.32	ND	ND	34	ND	.15	.1	3	6	11	1.42	.01	.06	75	1	.01	2	.03	4	ND	ND	ND	ND	21	ND	ND	65
6+00E 1+00S	.1	.06	ND	ND	41	ND	.62	.4	ND	3	13	.10	.01	.04	25	ND	.01	3	.04	8	ND	ND	ND	ND	45	ND	ND	80
6+00E 1+25S	.1	.96	3	ND	73	ND	.99	.4	1	2	31	.92	.01	.05	25	1	.01	14	.08	6	ND	ND	ND	ND	71	ND	ND	58
6+00E 1+50S	.1	.25	ND	ND	29	ND	.30	.4	5	14	30	2.51	.02	.08	177	3	.01	7	.04	20	ND	ND	ND	3	13	ND	ND	69
6+00E 1+75S	.5	.19	ND	ND	16	ND	.10	.1	4	22	20	2.25	.01	.13	31	3	.01	2	.02	3	ND	ND	ND	5	7	ND	ND	20
6+00E 2+00S	.1	.50	3	ND	43	ND	.47	.5	7	7	209	2.11	.01	.08	274	2	.01	11	.06	10	ND	ND	ND	ND	21	ND	ND	66
6+00E 2+25S	.1	2.37	ND	ND	28	ND	.12	.1	18	22	271	6.69	.09	.24	505	9	.01	12	.09	7	ND	ND	ND	ND	7	ND	ND	98
6+00E 2+50S	.1	1.01	5	ND	44	ND	.46	.1	20	13	165	3.67	.04	.23	1672	5	.01	15	.11	23	ND	ND	ND	ND	22	ND	ND	134
6+50E 0+00N	.1	3.95	4	ND	140	ND	.13	.1	10	2	20	3.86	.04	.32	739	ND	.01	1	.09	13	ND	ND	ND	ND	15	ND	ND	67
6+50E 0+25N	.1	4.33	ND	ND	97	ND	.13	.1	10	3	24	4.26	.05	.32	629	ND	.01	1	.10	12	ND	ND	ND	ND	16	ND	ND	44
6+50E 0+50N	1.2	.73	ND	ND	44	5	.10	.1	10	3	17	4.26	.05	.04	132	5	.01	ND	.03	16	ND	ND	ND	16	11	ND	ND	24
6+50E 0+75N	.4	.48	4	ND	46	ND	.06	.1	6	5	10	2.19	.02	.04	133	5	.01	1	.02	5	ND	ND	ND	7	8	ND	ND	24
6+50E 1+00N	.1	4.59	5	ND	82	ND	.15	.2	14	4	20	4.65	.06	.28	1044	1	.01	10	.06	15	ND	ND	3	ND	13	ND	ND	83
6+50E 1+50N	.1	3.52	4	ND	169	ND	.45	.2	13	4	13	3.30	.05	.33	1326	ND	.01	5	.07	15	ND	ND	ND	ND	42	ND	ND	91
6+50E 1+75N	.1	2.34	ND	ND	32	ND	.08	.1	6	6	13	3.78	.04	.12	139	ND	.01	1	.03	12	ND	ND	ND	ND	7	ND	ND	29
6+50E 2+00N	.1	4.47	8	ND	36	ND	.06	.1	6	6	15	4.15	.04	.15	106	ND	.01	ND	.05	18	ND	ND	3	ND	6	ND	ND	42
6+50E 2+25N	.5	.72	3	ND	23	ND	.07	.1	6	3	9	2.23	.03	.11	91	1	.01	ND	.02	10	ND	ND	ND	5	5	ND	ND	22
6+50E 0+25S	.6	.20	ND	ND	21	ND	.05	.1	6	5	14	2.83	.03	.02	70	1	.01	ND	.02	9	ND	ND	ND	7	7	ND	ND	21
6+50E 0+50S	.1	.96	ND	ND	41	ND	.19	.3	12	8	91	2.94	.03	.12	680	2	.01	4	.05	9	ND	ND	ND	3	15	ND	ND	46
6+50E 0+75S	.1	4.24	3	ND	38	ND	.12	.1	12	26	236	4.55	.04	.18	520	ND	.01	4	.14	10	ND	ND	ND	ND	11	ND	ND	45
6+50E 1+00S	.1	2.38	3	ND	40	ND	.17	.4	18	15	168	4.01	.04	.21	651	1	.01	10	.07	15	ND	ND	ND	ND	11	ND	ND	47
6+50E 1+25S	.1	1.72	ND	ND	52	ND	.14	.3	20	46	129	4.27	.06	.46	865	3	.01	10	.07	10	ND	ND	ND	ND	10	ND	ND	57
6+50E 1+50S	.4	1.62	ND	ND	29	ND	.09	.1	18	46	98	4.74	.06	.34	576	9	.01	13	.06	10	ND	ND	ND	2	5	ND	ND	79
6+50E 1+75S	.6	1.77	3	ND	22	ND	.05	.1	8	74	77	5.09	.06	.53	170	2	.01	5	.05	6	ND	ND	ND	2	3	ND	3	32
6+50E 2+00S	.1	1.21	ND	ND	42	ND	.28	.1	14	13	121	3.23	.02	.18	393	5	.01	9	.07	9	ND	ND	ND	ND	16	ND	ND	65
6+50E 2+25S	.2	1.54	6	ND	54	3	.12	.2	17	53	105	3.24	.08	1.34	932	20	.01	15	.06	8	ND	ND	ND	ND	14	ND	ND	73
6+50E 2+50S	.1	1.35	ND	ND	32	ND	.34	.1	39	20	350	9.66	.17	.20	1454	53	.01	31	.07	13	ND	ND	ND	ND	18	ND	37	257
6+75E 0+00S	.1	3.30	5	ND	49	ND	.08	.1	11	5	17	3.92	.04	.22	450	ND	.01	ND	.05	9	ND	ND	ND	ND	8	ND	ND	46
6+75E 0+12S	.2	1.43	ND	ND	60	ND	.06	.1	6	6	18	3.20	.03	.12	168	1	.01	1	.03	5	ND	ND	ND	ND	9	ND	ND	23
6+75E 0+25S	.1	2.02	3	ND	88	ND	.26	.1	12	7	25	4.60	.06	.23	2342	1	.01	1	.06	10	ND	ND	ND	ND	19	3	3	61
6+75E 0+50S	.3	.76	ND	ND	22	ND	.08	.1	5	5	33	2.66	.02	.09	120	1	.01	1	.02	9	ND	ND	ND	4	5	ND	ND	21
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPH	AL %	AS PPH	AU PPH	BA PPH	BI PPH	CA %	CO PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	MH PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SN PPH	SR PPH	U PPH	W PPH	ZN PPH	
6+75E 0+638	.3	.68	5	ND	23	3	.08	.1	5	3	21	2.08	.01	.14	78	1	.01	ND	.02	9	ND	ND	ND	2	5	ND	ND	18	
6+75E 0+758	.1	.32	6	ND	12	ND	.10	.1	2	2	28	1.03	.01	.07	55	ND	.01	1	.02	8	ND	ND	ND	ND	5	ND	ND	24	
6+75E 0+878	.2	.20	ND	ND	13	ND	.08	.1	4	9	10	1.98	.01	.06	68	1	.01	1	.01	5	ND	ND	ND	1	6	3	ND	17	
6+75E 1+008	.1	4.69	8	ND	31	ND	.11	.2	11	12	54	3.70	.02	.44	899	ND	.01	9	.08	14	ND	ND	ND	ND	9	ND	ND	112	
6+75E 1+128	.2	1.12	8	ND	18	ND	.16	.1	11	23	108	5.62	.07	.16	344	15	.01	8	.06	9	ND	ND	ND	3	9	ND	ND	171	
6+75E 1+258	.1	2.15	7	ND	33	4	.17	1.2	28	39	101	6.04	.08	.41	2181	9	.01	21	.06	9	ND	ND	ND	ND	6	ND	ND	561	
6+75E 1+368	.5	1.58	5	ND	24	7	.06	.1	12	89	57	4.04	.03	.83	225	8	.01	16	.03	6	ND	ND	ND	3	3	ND	ND	68	
6+75E 1+508	.4	2.54	7	ND	50	10	.03	.1	9	116	89	4.05	.05	1.52	184	2	.01	6	.03	5	ND	ND	ND	1	3	ND	ND	45	
6+75E 1+638	.1	1.33	3	ND	123	4	.07	.1	8	98	219	9.71	.22	1.06	168	2	.01	3	.16	4	ND	ND	ND	1	24	ND	ND	24	
6+75E 1+758	.1	3.64	6	ND	51	ND	.16	.3	60	14	397	5.70	.07	.28	1911	3	.01	11	.08	10	ND	ND	ND	ND	14	ND	7	142	
6+75E 1+878	.4	2.12	4	ND	43	4	.08	.1	14	15	142	5.91	.05	.32	434	16	.01	5	.06	8	ND	ND	ND	ND	9	ND	ND	52	
6+75E 2+008	.1	3.29	3	ND	41	ND	.12	.1	41	20	758	8.61	.11	.36	942	8	.01	9	.11	4	ND	ND	ND	ND	11	ND	ND	61	
7+00E 0+00N	.1	.68	3	ND	108	5	.22	.2	3	4	33	1.11	.01	.14	88	ND	.01	2	.04	6	ND	ND	ND	ND	20	ND	ND	50	
7+00E 0+25N A	.1	4.58	4	ND	171	5	.11	.1	11	2	24	4.33	.04	.32	727	ND	.01	ND	.08	10	ND	ND	ND	ND	18	ND	ND	49	
7+00E 0+25N B	.1	.19	ND	ND	56	ND	.05	.2	ND	2	5	.30	.01	.07	52	ND	.01	ND	.04	5	ND	ND	ND	ND	29	ND	ND	97	
7+00E 0+50N A	.1	2.56	4	ND	73	ND	.10	.1	10	3	17	5.17	.05	.28	1835	1	.01	ND	.20	8	ND	ND	ND	ND	13	ND	ND	40	
7+00E 0+50N B	.2	3.04	ND	ND	33	3	.04	.1	7	4	22	3.84	.02	.08	209	ND	.01	ND	.04	14	ND	ND	ND	ND	5	ND	ND	37	
7+00E 0+75N A	.2	3.04	ND	ND	28	3	.06	.1	6	5	20	4.17	.04	.08	138	2	.01	ND	.04	14	ND	ND	ND	ND	6	ND	ND	25	
7+00E 0+75N B	.6	1.77	ND	ND	50	8	.06	.1	8	3	15	3.55	.03	.06	276	3	.01	ND	.04	14	ND	ND	ND	5	6	ND	ND	47	
7+00E 1+00N A	.1	1.72	3	ND	57	5	.08	.1	9	4	17	4.00	.03	.15	419	2	.01	4	.04	9	ND	ND	ND	1	12	ND	ND	38	
7+00E 1+00N B	.1	3.20	ND	ND	162	4	.17	.1	11	2	15	3.52	.05	.44	891	1	.01	2	.07	9	ND	ND	ND	ND	26	ND	ND	58	
7+00E 1+25N A	.1	3.16	3	ND	173	5	.22	.4	13	4	16	3.35	.06	.43	956	1	.01	4	.06	12	ND	ND	ND	ND	28	ND	ND	94	
7+00E 1+25N B	.1	5.87	5	ND	67	ND	.40	1.2	13	9	38	3.72	.06	.20	1836	ND	.01	12	.08	24	ND	ND	ND	ND	12	4	ND	220	
7+00E 1+50N A	.1	6.51	8	ND	70	6	.19	.1	9	9	17	4.24	.05	.39	214	3	.01	3	.06	17	ND	ND	ND	ND	15	ND	ND	61	
7+00E 1+50N B	.2	2.37	5	ND	97	3	.10	.1	14	3	29	5.72	.08	.20	956	3	.01	ND	.08	13	ND	ND	ND	ND	17	4	ND	46	
7+00E 1+75N	.1	2.59	3	ND	160	5	.58	.1	19	5	36	3.57	.08	.38	3555	4	.01	1	.08	10	ND	ND	ND	ND	74	8	ND	81	
7+00E 2+00N A	.5	.89	ND	ND	26	7	.06	.1	5	5	8	3.30	.04	.04	100	2	.01	ND	.01	10	ND	ND	ND	ND	2	8	4	ND	21
7+00E 2+00N B	.5	1.18	ND	ND	46	7	.08	.1	7	19	12	3.12	.05	.12	147	5	.01	1	.02	11	ND	ND	ND	3	13	ND	ND	20	
7+00E 2+25N A	.1	1.50	3	ND	40	ND	.08	.1	4	3	9	2.99	.03	.11	106	2	.01	ND	.02	9	ND	ND	ND	ND	11	ND	ND	27	
7+00E 2+25N B	.1	1.03	ND	ND	30	4	.06	.1	2	1	6	1.60	.02	.06	71	ND	.01	ND	.01	5	ND	ND	ND	ND	9	ND	ND	19	
7+00E 2+50N	.1	.29	ND	ND	14	6	.04	.1	2	3	3	1.20	.01	.04	65	ND	.01	ND	.01	4	ND	ND	ND	ND	4	ND	ND	6	
7+00E 0+128	.1	5.43	3	ND	165	6	.08	.1	9	5	22	4.07	.02	.30	310	ND	.01	1	.08	10	ND	ND	ND	ND	23	ND	ND	41	
7+00E 0+258	.1	1.88	ND	ND	35	4	.10	.3	5	9	19	2.58	.02	.08	149	1	.01	2	.03	12	ND	ND	ND	ND	11	ND	ND	32	
7+00E 0+378	.3	3.02	ND	ND	40	4	.14	.3	22	9	46	4.12	.04	.22	2392	2	.01	3	.06	13	ND	ND	ND	ND	10	ND	ND	85	
7+00E 0+508	.8	.41	ND	ND	17	6	.12	.1	6	10	230	2.88	.02	.03	110	3	.01	1	.03	22	ND	ND	ND	17	8	ND	ND	27	
7+00E 0+638	.1	1.08	ND	ND	18	ND	.36	.1	16	11	170	14.71	.22	.06	1098	10	.01	2	.10	8	ND	ND	ND	ND	13	ND	14	74	
7+00E 0+758	.1	2.12	ND	ND	9	ND	.10	.1	48	13	1407	22.33	.36	.08	1379	8	.01	2	.13	1	ND	ND	3	ND	6	ND	ND	59	
7+00E 0+878	.1	2.00	ND	ND	53	ND	.34	.1	66	32	650	13.08	.20	.44	8226	10	.01	13	.15	9	ND	ND	ND	ND	13	ND	ND	325	
7+00E 0+1008	.1	1.45	ND	ND	16	ND	.15	.1	49	28	432	12.25	.17	.19	3666	11	.01	7	.11	5	ND	ND	ND	ND	5	ND	ND	131	
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1	



SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	U PPM	V PPM	ZN PPM
7+00E 0+1250	.1	5.14	17	ND	19	ND	.20	2.7	86	28	266	5.75	.11	.27	1551	9	.01	67	.08	12	ND	ND	ND	ND	8	ND	ND	928
7+00E 0+1500	.6	1.37	3	ND	7	ND	.04	.1	8	37	50	5.07	.07	.14	112	7	.01	9	.03	8	ND	ND	3	2	1	ND	ND	58
7+00E 0+1750	.2	2.77	8	ND	61	ND	.17	.1	28	13	220	6.66	.13	.55	909	4	.01	8	.07	12	ND	ND	ND	ND	8	ND	ND	246
7+00E 0+2250	.1	.94	ND	ND	16	ND	.29	.1	25	17	578	21.42	.35	.10	908	14	.01	8	.16	2	ND	ND	4	ND	6	ND	10	133
7+00E 0+2500	.1	1.29	3	ND	33	ND	.60	1.1	16	6	31	2.75	.07	.15	1609	1	.01	14	.05	7	ND	ND	ND	ND	25	4	ND	270
7+00E 1+120	.1	3.13	ND	ND	59	ND	.44	5.4	52	29	662	5.90	.10	.44	11743	5	.01	55	.12	10	ND	ND	ND	ND	21	7	ND	961
7+00E 1+370	.6	1.27	5	ND	12	ND	.07	.3	8	47	63	4.76	.07	.27	412	5	.01	10	.04	8	ND	ND	ND	1	3	ND	ND	78
7+00E 1+630	.6	1.06	ND	ND	12	ND	.10	.1	7	20	85	5.87	.10	.14	221	9	.01	5	.04	7	ND	ND	ND	ND	4	ND	ND	62
7+50E 1+070	.6	2.59	5	ND	55	ND	.16	.4	19	16	163	5.24	.13	.86	543	3	.01	7	.06	7	ND	ND	ND	ND	6	ND	ND	144
7+50E 0+000	.1	4.05	7	ND	390	ND	.17	.3	12	3	31	3.34	.08	.38	693	ND	.01	2	.13	14	ND	ND	ND	ND	76	ND	ND	75
7+50E 0+250	.1	4.08	8	ND	145	ND	.13	.5	10	2	23	3.67	.06	.34	660	ND	.01	1	.08	13	ND	ND	ND	ND	20	ND	ND	59
7+50E 0+500	.3	3.65	5	ND	171	ND	.16	.1	10	4	27	3.60	.06	.30	586	ND	.01	2	.07	13	ND	ND	ND	ND	26	ND	ND	53
7+50E 0+750	.1	3.45	5	ND	163	ND	.15	.2	10	2	18	3.40	.08	.39	723	ND	.01	ND	.05	11	ND	ND	ND	ND	32	4	ND	51
7+50E 1+000	.1	3.47	7	ND	119	ND	.26	.4	14	8	25	3.77	.08	.34	1094	1	.01	5	.06	11	ND	ND	ND	ND	20	ND	ND	112
7+50E 1+250	.5	1.67	ND	ND	50	3	.17	.1	12	23	15	3.83	.06	.27	316	4	.01	5	.02	11	ND	ND	ND	1	13	ND	ND	50
7+50E 1+500	.8	.70	3	ND	47	ND	.08	.1	7	3	11	2.74	.04	.08	104	4	.01	ND	.02	9	ND	ND	ND	7	10	6	ND	29
7+50E 1+750	.8	1.21	3	ND	47	3	.10	.1	8	3	14	3.50	.06	.14	182	6	.01	ND	.03	13	ND	ND	ND	5	12	3	ND	32
7+50E 2+000	.6	1.43	4	ND	112	3	.22	.1	15	4	16	3.79	.08	.27	1417	7	.01	1	.03	10	ND	ND	ND	2	18	3	ND	57
7+50E 2+250	.6	2.29	3	ND	74	3	.08	.1	10	6	11	4.47	.08	.20	243	3	.01	2	.02	13	ND	ND	ND	2	10	ND	ND	45
7+50E 0+250	.5	.61	3	ND	32	ND	.07	.1	5	8	16	2.40	.03	.06	80	2	.01	4	.03	9	ND	ND	ND	4	10	ND	ND	40
7+50E 0+500	.2	2.33	4	ND	45	ND	.20	.5	10	7	31	3.49	.06	.16	890	2	.01	14	.06	11	ND	ND	ND	ND	15	ND	ND	65
7+50E 0+750	.3	1.48	4	ND	28	ND	.39	.8	7	10	15	2.70	.04	.48	523	4	.01	13	.02	11	ND	ND	ND	ND	46	ND	ND	209
7+50E 0+1000	.1	1.62	4	ND	26	ND	.46	.6	14	9	47	4.24	.07	.20	1331	3	.01	10	.03	10	ND	ND	ND	ND	15	ND	ND	444
7+50E 0+1250	.1	2.22	ND	ND	25	ND	.46	1.5	16	10	126	5.10	.12	.15	1260	4	.01	22	.05	26	ND	ND	ND	ND	33	ND	ND	1138
7+50E 0+1500	.1	1.82	3	ND	18	ND	.41	.8	18	8	37	5.29	.11	.10	1714	3	.01	7	.06	33	ND	ND	ND	ND	18	7	ND	779
7+50E 0+1750	1.1	.81	ND	ND	12	4	.28	.2	10	10	28	5.85	.11	.05	374	4	.01	3	.03	16	ND	ND	ND	6	7	4	ND	196
7+50E 0+2000	.2	.08	ND	ND	5	ND	.04	.2	2	2	9	.53	.01	.02	51	1	.01	ND	.01	3	ND	ND	ND	ND	1	5	ND	25
7+50E 0+2250	.1	7.20	12	ND	17	ND	.05	.4	5	12	22	4.08	.05	.12	122	ND	.01	2	.11	20	ND	ND	5	ND	4	ND	ND	62
8+00E 0+2500	.1	3.25	5	ND	32	ND	.12	.2	9	25	25	4.05	.05	.19	266	2	.01	8	.05	13	ND	ND	ND	ND	10	ND	ND	94
8+00E 0+000	.1	.65	8	ND	33	ND	.19	.4	2	12	16	1.11	.02	.14	225	1	.01	4	.10	18	ND	ND	ND	ND	16	ND	ND	60
8+00E 0+250	.2	3.74	3	ND	181	ND	.10	.1	9	2	21	2.87	.05	.32	431	ND	.01	1	.10	13	ND	ND	ND	ND	31	ND	ND	50
8+00E 0+500	.2	3.12	ND	ND	168	ND	.12	.1	9	2	19	3.42	.06	.34	924	ND	.01	ND	.08	8	ND	ND	ND	ND	20	3	ND	52
8+00E 0+750	.1	4.75	4	ND	232	ND	.20	.1	11	1	10	3.00	.08	.41	773	ND	.01	ND	.06	12	ND	ND	ND	ND	42	ND	ND	69
8+00E 1+000	.5	.98	ND	ND	56	3	.12	.2	5	3	13	2.56	.05	.10	133	3	.01	ND	.02	8	ND	ND	ND	1	11	5	ND	26
8+00E 1+250	.3	3.12	ND	ND	166	ND	.20	.1	18	3	17	5.20	.10	.50	541	6	.01	ND	.03	9	ND	ND	ND	ND	28	ND	ND	74
8+00E 1+500	.5	.51	ND	ND	30	3	.06	.1	5	2	10	2.41	.04	.05	61	2	.01	ND	.01	7	ND	ND	ND	2	6	4	ND	26
8+00E 1+750	.1	1.21	ND	ND	133	ND	.69	.3	18	2	10	2.17	.07	.14	2137	2	.01	ND	.07	19	ND	ND	ND	ND	54	8	ND	108
8+00E 2+000	.6	.68	ND	ND	66	6	.13	.1	9	2	8	1.98	.04	.13	279	5	.01	ND	.01	9	ND	ND	ND	4	21	ND	ND	20
8+00E 2+250	.6	.35	ND	ND	37	5	.08	.1	5	2	8	1.14	.01	.07	73	3	.01	ND	.01	7	ND	ND	ND	4	10	ND	ND	19
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPH	AL I	AS PPH	AU PPH	BA PPH	BI PPH	CA I	CD PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	KN PPH	MO PPH	NA I	NI PPH	P I	PB PPH	PD PPH	PT PPH	SB PPH	SM PPH	SR PPH	U PPH	W PPH	ZN PPH
8+00E 2+50N	.1	2.34	ND	ND	95	ND	.13	.1	12	3	8	3.44	.07	.29	750	1	.01	4	.03	8	ND	ND	ND	ND	18	ND	ND	63
8+00E 0+25S	.4	.25	ND	ND	16	ND	.08	.1	3	10	16	1.08	.03	.05	64	1	.01	5	.03	7	ND	ND	ND	ND	7	3	ND	20
8+00E 0+50S	.2	.94	ND	ND	23	ND	.13	.1	5	4	22	2.11	.04	.15	380	1	.01	3	.10	14	ND	ND	ND	ND	1	8	ND	25
8+00E 0+75S	.2	.35	3	ND	29	ND	.51	.2	ND	2	19	.29	.02	.04	182	1	.01	3	.10	36	ND	ND	ND	ND	ND	27	ND	73
8+00E 1+00S	.1	.28	ND	ND	34	ND	.14	.3	ND	4	13	.22	.01	.03	35	ND	.01	5	.07	14	ND	ND	ND	ND	38	ND	ND	92
8+00E 1+25S	.1	.64	ND	ND	19	ND	.08	.1	3	7	16	2.74	.05	.06	92	1	.01	4	.05	10	ND	ND	ND	ND	11	ND	ND	27
8+00E 1+50S	.1	2.86	ND	ND	26	ND	.08	.4	3	5	12	2.32	.04	.08	389	ND	.01	2	.08	15	ND	ND	4	ND	22	ND	ND	30
8+00E 1+75S	.1	2.65	4	ND	75	ND	.50	1.1	26	105	142	3.27	.05	1.20	2568	1	.01	68	.07	12	ND	ND	ND	ND	37	ND	ND	543
8+00E 2+00S	.1	.22	ND	ND	8	ND	.10	.1	2	7	80	4.24	.07	.05	117	4	.01	2	.04	9	ND	ND	ND	ND	6	ND	ND	32
8+00E 2+25S	.1	4.16	5	ND	24	ND	.10	.4	6	9	13	3.06	.04	.26	291	ND	.01	4	.06	12	ND	ND	7	ND	8	ND	ND	69
8+00E 2+50S	.1	1.77	ND	ND	21	ND	.15	.1	6	7	18	3.62	.06	.15	110	ND	.01	2	.04	8	ND	ND	ND	ND	10	ND	ND	28
8+50E 0+00N	.2	2.75	5	ND	83	ND	.12	.1	11	7	39	3.34	.06	.28	938	ND	.01	4	.06	10	ND	ND	ND	ND	14	ND	ND	72
8+50E 0+25N	.1	1.45	5	ND	186	ND	.17	.1	5	6	18	2.11	.06	.28	238	ND	.01	4	.08	20	ND	ND	ND	ND	43	ND	ND	58
8+50E 0+50N	.1	4.08	3	ND	134	ND	.28	.1	9	5	20	3.39	.08	.51	815	ND	.01	1	.08	14	ND	ND	5	ND	28	ND	ND	65
8+50E 0+75N	.1	2.70	6	ND	148	ND	.16	.1	9	9	15	2.97	.07	.40	504	1	.01	2	.07	15	ND	ND	ND	ND	27	ND	ND	53
8+50E 1+25N	.1	2.33	ND	ND	167	ND	1.11	.1	9	5	8	2.61	.08	.26	1020	2	.01	2	.07	13	ND	ND	ND	ND	52	3	ND	54
8+50E 1+50N	1.1	.71	ND	ND	39	4	.17	.1	8	6	11	4.22	.08	.06	107	11	.01	ND	.02	14	ND	ND	ND	10	10	ND	ND	24
8+50E 1+75N	.6	1.87	ND	ND	97	ND	.10	.1	9	5	13	5.22	.11	.17	133	8	.01	ND	.02	12	ND	ND	ND	5	17	3	ND	30
8+50E 2+25N	.6	.98	ND	ND	72	ND	.20	.1	7	5	12	2.99	.06	.16	120	5	.01	ND	.02	9	ND	ND	ND	6	23	ND	ND	35
8+50E 2+50N	.6	.85	ND	ND	77	ND	.28	.1	7	6	8	1.76	.05	.25	212	4	.01	3	.03	11	ND	ND	ND	5	16	ND	ND	39
8+50E 0+25S	.3	.35	ND	ND	55	ND	.24	.2	2	9	9	1.01	.04	.07	50	2	.01	13	.04	11	ND	ND	ND	1	22	3	ND	55
8+50E 0+50S	.4	2.50	5	ND	116	ND	.27	.1	14	6	51	3.04	.10	.65	1414	ND	.01	8	.07	20	ND	ND	ND	ND	17	ND	ND	83
8+50E 0+75S	.4	2.25	ND	ND	50	ND	.27	.1	11	35	28	2.66	.06	.39	435	1	.01	14	.06	9	ND	ND	ND	ND	22	ND	ND	44
8+50E 1+00S	.3	1.68	3	ND	83	ND	.55	.3	21	31	46	2.83	.08	.56	1690	1	.01	15	.08	13	ND	ND	ND	ND	40	ND	ND	66
8+50E 1+25S	.1	.29	ND	ND	31	ND	.34	.2	2	14	12	.86	.04	.08	180	1	.01	10	.07	22	ND	ND	ND	2	28	ND	ND	54
8+50E 1+50S	.2	2.40	ND	ND	16	ND	.08	.1	4	8	16	2.82	.06	.11	166	ND	.01	3	.07	13	ND	ND	ND	ND	6	ND	ND	26
8+50E 1+75S	.1	.20	ND	ND	20	ND	.13	.1	1	6	6	.88	.02	.02	39	1	.01	3	.05	7	ND	ND	ND	ND	13	ND	ND	37
8+50E 2+00S	.1	2.54	ND	ND	64	ND	.08	.1	6	13	23	3.75	.06	.41	627	1	.01	8	.12	15	ND	ND	ND	ND	7	ND	ND	48
8+50E 2+25S	.1	6.23	16	ND	10	ND	.05	.1	4	8	15	3.25	.05	.11	259	ND	.01	1	.13	18	ND	ND	13	ND	5	ND	ND	31
8+50E 2+50S	.1	4.54	11	ND	22	ND	.07	.1	4	13	9	2.92	.04	.17	169	ND	.01	3	.11	13	ND	ND	8	ND	7	ND	ND	25
9+00E 0+00N	.5	1.58	4	ND	26	ND	.20	.1	10	13	47	3.12	.05	.34	234	2	.01	6	.04	15	ND	ND	ND	4	14	ND	ND	96
9+00E 0+25N	.5	1.47	ND	ND	241	4	.14	.1	8	3	24	2.56	.07	.28	258	1	.01	2	.06	7	ND	ND	ND	3	53	ND	ND	37
9+00E 0+50N	.5	2.87	3	ND	140	ND	.15	.1	10	4	21	3.41	.06	.30	639	ND	.01	3	.06	10	ND	ND	ND	ND	23	ND	ND	44
9+00E 1+00N	.6	1.16	4	ND	81	ND	.12	.1	8	4	10	3.04	.07	.35	259	6	.01	1	.02	21	ND	ND	ND	3	23	ND	ND	33
9+00E 1+25N	.4	1.56	ND	ND	90	ND	.14	.1	8	9	9	2.95	.07	.48	277	3	.01	5	.03	13	ND	ND	ND	ND	18	ND	ND	61
9+00E 1+50N	.5	.93	ND	ND	64	ND	.08	.1	6	6	6	2.54	.05	.08	170	5	.01	2	.02	10	ND	ND	ND	ND	4	12	ND	36
9+00E 1+75N	.1	.34	ND	ND	83	ND	.13	.1	1	5	2	.52	.02	.03	50	1	.01	3	.04	15	ND	ND	ND	2	22	ND	ND	55
9+00E 2+00N	.1	.96	3	ND	111	ND	.40	.3	2	2	6	.58	.04	.11	98	2	.01	ND	.07	6	ND	ND	ND	ND	44	ND	ND	53
9+00E 0+25S	.4	3.57	5	ND	47	ND	.15	.2	10	11	54	3.35	.06	.15	286	ND	.01	4	.05	13	ND	ND	6	ND	12	ND	ND	55
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SH PPM	SR PPM	U PPM	V PPM	ZN PPM
9+00E 0+50B	.4	.95	ND	ND	17	ND	.07	.1	6	9	9	3.46	.02	.10	97	2	.01	1	.01	12	ND	ND	3	3	6	4	ND	
9+00E 0+75B	.1	.50	8	ND	48	ND	.26	.2	2	7	17	.62	.01	.07	92	1	.01	5	.07	15	ND	ND	ND	ND	21	ND	ND	26
9+00E 1+00B	.2	4.19	ND	ND	159	ND	.31	.3	16	71	235	4.82	.07	1.25	525	2	.01	35	.10	15	ND	ND	ND	1	34	ND	ND	111
9+00E 1+50B	.1	3.50	9	ND	14	ND	.07	.8	3	6	9	2.41	.01	.07	78	ND	.01	ND	.05	18	ND	ND	3	ND	6	ND	ND	81
9+00E 2+00B	.1	.61	7	ND	152	ND	.53	3.1	4	4	7	.43	.01	.10	135	2	.01	6	.10	38	ND	ND	ND	ND	82	ND	ND	240
9+00E 2+25B	9.1	1.37	6	ND	42	21	1.72	270.6	24	8	36	1.83	.02	.64	2165	3	.01	6	.05	688	ND	ND	ND	ND	59	ND	46	10502
9+00E 2+50B	.1	1.81	8	ND	44	ND	.10	.3	7	5	12	2.54	.01	.16	218	4	.01	2	.15	15	ND	ND	ND	2	16	ND	ND	53
9+00E 2+75B	.1	1.43	ND	ND	37	ND	1.20	.2	10	4	19	3.16	.05	.27	876	3	.01	3	.07	8	ND	ND	ND	ND	71	ND	ND	88
9+00E 3+00B	.1	2.11	ND	ND	269	ND	1.93	2.4	19	7	49	3.87	.05	1.75	2828	1	.01	13	.10	62	ND	ND	ND	ND	660	ND	3	403
9+50E 0+00H	.6	.51	ND	ND	16	ND	.20	.1	5	8	15	2.96	.01	.10	131	4	.01	3	.03	8	ND	ND	ND	7	7	ND	ND	41
9+50E 0+25H	.1	1.95	ND	ND	42	ND	4.94	3.2	15	8	95	8.12	.16	.43	3651	1	.01	28	.03	11	ND	ND	ND	21	10	ND	34	879
9+50E 0+50H	.1	5.57	8	ND	94	ND	.21	.1	11	12	32	4.22	.01	.30	612	ND	.01	9	.07	17	ND	ND	MS	ND	17	ND	ND	63
9+50E 0+75H	.1	5.43	5	ND	175	ND	.16	.1	10	1	24	4.11	.02	.41	993	ND	.01	ND	.50	17	ND	ND	ND	ND	22	ND	ND	67
9+50E 1+25H	.1	4.43	4	ND	158	ND	.21	.1	12	5	10	4.59	.07	.78	452	4	.01	3	.03	14	ND	ND	ND	1	28	ND	ND	54
9+50E 1+50H	.1	3.00	ND	ND	145	ND	.23	.1	14	6	10	4.91	.07	.55	820	5	.01	1	.05	23	ND	ND	3	5	39	ND	ND	58
9+50E 0+50B	.5	2.54	ND	ND	148	ND	.10	.1	13	216	105	7.83	.33	2.99	317	2	.01	9	.07	5	ND	ND	ND	13	14	ND	9	196
9+50E 0+75B	.8	3.58	ND	ND	175	ND	.16	.1	15	118	251	6.75	.07	1.75	407	2	.01	29	.10	10	ND	ND	ND	4	29	ND	ND	60
9+50E 1+00B	.3	2.86	3	ND	46	ND	.19	.1	11	27	44	3.90	.03	.31	290	1	.01	12	.05	12	ND	ND	ND	3	12	ND	ND	33
9+50E 1+25B	.1	6.08	5	ND	34	ND	.07	.1	8	10	36	3.96	.02	.30	188	8	.01	7	.11	18	ND	ND	ND	ND	7	ND	ND	27
9+50E 1+50B	.4	1.22	3	ND	21	ND	.13	.1	6	21	9	2.12	.01	.20	110	1	.01	14	.01	8	ND	ND	ND	6	5	ND	ND	24
9+50E 1+75B	.4	.47	4	ND	19	3	.07	.1	4	3	4	1.18	.01	.10	64	2	.01	1	.01	8	ND	ND	ND	5	6	ND	ND	13
9+50E 2+00B	.3	1.70	ND	ND	13	4	.07	.1	6	10	18	2.33	.01	.15	84	2	.01	2	.02	10	ND	ND	ND	5	3	ND	ND	15
9+50E 2+50B	.1	3.16	ND	ND	21	ND	.11	.1	8	12	15	4.41	.03	.25	140	1	.01	3	.07	15	ND	ND	ND	ND	7	ND	ND	31
9+50E 3+00B	.3	.93	ND	ND	39	3	.10	.1	6	7	15	2.20	.01	.16	81	2	.01	2	.02	8	ND	ND	ND	4	16	ND	ND	29
10+00E 0+00H	.1	.20	ND	ND	50	ND	.30	.3	ND	5	20	.56	.01	.05	50	1	.01	4	.03	7	ND	ND	ND	ND	30	ND	ND	69
10+00E 0+25H A	+	3.70	ND	ND	126	ND	.11	.1	11	3	23	4.30	.02	.44	359	ND	.01	5	.07	18	ND	ND	ND	1	16	ND	ND	50
10+00E 0+25H B	.6	3.83	ND	ND	86	5	.10	.1	13	3	22	5.69	.05	.27	222	ND	.01	5	.07	16	ND	ND	ND	9	9	ND	ND	34
10+00E 0+50H A	+	5.43	ND	ND	103	ND	.10	.1	16	2	37	5.16	.05	.28	929	ND	.01	1	.15	18	ND	ND	ND	ND	10	ND	ND	41
10+00E 0+50H B	.1	3.38	ND	ND	74	ND	.15	.1	10	2	24	4.19	.01	.16	399	ND	.01	3	.16	11	ND	ND	ND	3	12	ND	ND	40
10+00E 0+75H A	+	5.66	6	ND	116	ND	.25	.1	10	ND	22	3.33	.02	.21	824	ND	.01	1	.14	20	ND	ND	ND	ND	19	ND	ND	64
10+00E 0+75H B	.1	2.76	ND	ND	113	ND	.21	.1	17	1	12	4.19	.02	.28	8113	12	.01	1	.20	12	ND	ND	ND	ND	32	ND	ND	68
10+00E 1+00H A	.2	3.26	ND	ND	245	ND	.58	.1	18	2	29	4.68	.15	1.14	1105	1	.01	3	.14	11	ND	ND	ND	3	51	ND	4	85
10+00E 1+00H B	+	1.89	ND	ND	76	ND	.16	.1	6	6	7	3.40	.01	.15	760	3	.01	4	.07	17	ND	ND	ND	2	21	ND	ND	45
10+00E 1+25H A	.1	4.93	9	ND	201	ND	.26	.1	9	1	4	2.95	.05	.51	534	ND	.01	1	.05	20	ND	ND	ND	ND	35	ND	ND	68
10+00E 1+25H B	+	5.39	4	ND	153	ND	.21	.1	12	1	14	4.75	.05	.27	349	2	.01	ND	.05	18	ND	ND	ND	ND	29	ND	ND	48
10+00E 1+50H A	.1	8.71	21	ND	90	ND	.10	.1	57	ND	7	2.87	.05	.35	2147	5	.01	1	.07	30	ND	ND	5	ND	9	ND	ND	86
10+00E 1+50H B	+	4.36	7	ND	182	ND	.23	.1	9	2	7	3.16	.05	.53	460	1	.01	3	.07	22	ND	ND	3	ND	36	ND	ND	56
10+00E 1+75H A	.5	2.37	ND	ND	92	ND	.10	.1	10	4	8	4.00	.05	.30	602	15	.01	1	.02	16	ND	ND	3	8	17	5	ND	33
10+00E 1+75H B	+	.13	4	ND	32	ND	.35	.1	ND	2	7	.11	.01	.03	116	1	.01	3	.07	23	ND	ND	ND	ND	21	ND	ND	75
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPH	AL I	AS PPH	AU PPH	BA PPH	BI PPH	CA I	CD PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	MM PPH	NO PPH	NA I	NI PPH	P I	PB PPH	PD PPH	PT PPH	SB PPH	SN PPH	SR PPH	U PPH	V PPH	ZN PPH
10+00E 2+00N	.1	2.08	3	ND	146	ND	.40	.2	6	3	8	1.70	.04	.22	1121	3	.01	2	.05	18	ND	ND	ND	ND	37	6	ND	84
10+00E 0+25S	.8	2.42	ND	ND	442	4	.13	.1	14	121	69	4.87	.20	2.24	307	1	.01	11	.06	19	ND	ND	ND	14	17	ND	7	67
10+00E 0+50S	.1	2.58	ND	ND	131	ND	.60	.4	29	23	248	3.97	.08	.78	2005	2	.01	20	.11	17	ND	ND	ND	ND	48	ND	ND	209
10+00E 0+75S	.2	3.22	ND	ND	148	ND	.12	.1	14	128	136	5.16	.12	2.49	369	2	.01	21	.05	8	ND	ND	ND	7	20	ND	ND	73
10+00E 1+00S	.1	2.90	4	ND	43	ND	.13	.1	10	27	44	3.25	.01	.30	177	1	.01	10	.07	14	ND	ND	ND	2	10	ND	ND	34
10+00E 1+25S	.1	.81	3	ND	46	ND	.11	.1	3	2	15	1.38	.01	.15	106	2	.01	2	.06	13	ND	ND	ND	1	13	ND	ND	34
10+00E 1+50S	.1	1.43	ND	ND	30	ND	.12	.1	11	45	20	1.98	.02	.40	155	1	.01	19	.02	8	ND	ND	ND	3	10	ND	ND	29
10+00E 1+75S	.1	.91	ND	ND	35	ND	.12	.1	1	4	6	1.18	.01	.07	69	1	.01	2	.03	11	ND	ND	ND	1	11	5	ND	38
10+00E 2+00S	.5	1.58	ND	ND	54	ND	.14	.1	9	6	14	2.67	.05	.40	139	1	.01	4	.01	8	ND	ND	ND	4	19	8	ND	27
10+00E 2+25S	.1	.24	ND	ND	53	ND	.29	.3	ND	3	3	.53	.01	.07	44	1	.01	2	.03	5	ND	ND	ND	ND	35	ND	ND	69
10+00E 2+50S	.1	.96	3	ND	20	ND	.15	.1	8	10	7	2.36	.02	.51	142	1	.01	3	.01	14	ND	ND	ND	4	23	ND	ND	28
10+00E 2+75S	.3	1.72	ND	ND	38	ND	.15	.1	9	12	17	3.00	.05	.35	134	2	.01	6	.02	12	ND	ND	ND	5	16	ND	ND	33
10+00E 3+00S	.1	.41	6	ND	59	ND	.10	.3	1	5	12	.71	.01	.06	82	2	.01	4	.04	12	ND	ND	ND	1	31	6	ND	48
10+50E 0+00N A	+	8.26	6	ND	184	ND	.06	.1	13	ND	79	6.53	.08	.52	283	ND	.01	ND	.08	33	ND	ND	6	ND	7	ND	4	88
10+50E 0+00N B	.3	1.70	ND	ND	99	ND	.14	.1	10	72	74	4.49	.08	.96	183	2	.01	21	.07	10	ND	ND	ND	5	21	ND	ND	41
10+50E 0+25N A	.2	1.48	ND	ND	72	ND	.17	.1	7	21	73	4.12	.04	.15	116	1	.01	12	.08	8	ND	ND	ND	4	17	ND	ND	22
10+50E 0+25N B	+	3.90	ND	ND	96	ND	.08	.1	6	1	13	3.42	.03	.17	737	ND	.01	ND	.08	17	ND	ND	ND	ND	48	ND	ND	35
10+50E 0+50N A	.1	5.89	5	ND	62	3	.07	.1	10	2	31	4.98	.06	.32	201	ND	.01	4	.12	20	ND	ND	ND	4	1	6	ND	43
10+50E 0+50N B	+	6.05	4	ND	113	ND	.08	.1	9	3	13	4.19	.05	.30	730	ND	.01	3	.25	23	ND	ND	ND	ND	10	ND	ND	65
10+50E 0+75N A	.1	4.83	ND	ND	258	ND	.13	.1	10	3	26	4.22	.06	.29	466	ND	.01	10	1.36	17	ND	ND	3	ND	28	ND	ND	41
10+50E 0+75N B	+	6.80	6	ND	130	ND	.10	.1	11	2	14	3.77	.04	.28	687	ND	.01	1	.14	25	ND	ND	4	ND	25	ND	ND	61
10+50E 1+00N A	.1	4.33	ND	ND	159	ND	.13	.1	10	1	33	3.25	.05	.40	892	ND	.01	1	.07	17	ND	ND	ND	ND	27	ND	ND	61
10+50E 1+00N B	+	5.62	ND	ND	167	ND	.11	.3	13	1	42	4.05	.08	.51	620	ND	.01	1	.16	21	ND	ND	ND	ND	18	ND	ND	76
10+50E 1+25N A	.1	2.79	ND	ND	116	ND	.19	.1	8	4	11	4.10	.06	.35	917	ND	.01	1	.06	10	ND	ND	ND	ND	24	ND	ND	46
10+50E 1+25N B	+	1.56	ND	ND	50	ND	.06	.1	8	3	13	3.91	.03	.12	356	1	.01	33	.04	13	ND	ND	ND	5	15	ND	ND	33
10+50E 1+50N A	.3	.54	ND	ND	34	ND	.06	.1	5	2	6	2.15	.03	.16	130	1	.01	1	.02	7	ND	ND	ND	5	7	9	ND	13
10+50E 1+50N B	+	3.84	ND	ND	313	ND	.52	.1	20	4	41	4.80	.17	1.18	1058	ND	.01	2	.15	15	ND	ND	ND	3	35	9	3	64
10+50E 1+75N A	.4	.71	ND	ND	18	ND	.06	.1	5	2	6	2.31	.03	.10	110	1	.01	ND	.01	7	ND	ND	ND	7	5	4	ND	13
10+50E 1+75N B	+	4.34	ND	ND	189	ND	.45	.1	6	2	6	2.04	.03	.26	977	ND	.01	2	.10	36	ND	ND	ND	ND	41	ND	ND	56
10+50E 2+00N A	.3	1.70	ND	ND	63	4	.17	.1	5	3	11	3.50	.04	.13	119	2	.01	1	.02	11	ND	ND	ND	4	17	3	ND	30
10+50E 2+00N B	+	1.37	ND	ND	115	ND	.13	.1	5	2	7	2.70	.02	.17	173	1	.01	1	.04	10	ND	ND	ND	5	24	ND	ND	33
10+50E 0+25S	.2	1.79	ND	ND	173	ND	.72	3.7	18	4	66	5.25	.17	1.20	855	ND	.01	22	.17	3	ND	ND	ND	5	14	ND	ND	527
10+50E 0+50S A	.1	.58	ND	ND	7	ND	.10	.1	4	50	14	3.07	.06	.07	81	1	.01	4	.02	5	ND	ND	ND	2	3	10	ND	11
10+50E 0+50S B	.6	2.77	ND	ND	145	4	.15	.1	23	87	256	4.74	.08	1.53	718	3	.01	26	.06	14	ND	ND	ND	3	20	ND	ND	82
10+50E 0+75S A	.1	2.25	ND	ND	41	ND	.17	.1	13	45	59	2.59	.03	.44	314	1	.01	22	.05	9	ND	ND	ND	ND	11	3	ND	36
10+50E 0+75S B	.1	.58	ND	ND	11	ND	.08	.1	4	28	8	1.73	.01	.08	115	1	.01	5	.03	7	ND	ND	ND	ND	6	5	ND	45
10+50E 1+00S A	.1	1.06	ND	ND	32	ND	.13	.1	5	10	11	2.06	.02	.20	99	1	.01	4	.03	5	ND	ND	ND	ND	11	ND	ND	31
10+50E 1+00S B	.3	1.18	ND	ND	10	ND	.08	.1	6	44	32	3.94	.05	.26	61	1	.01	9	.03	7	ND	ND	ND	4	5	3	ND	47
10+50E 1+25S A	.3	2.50	ND	ND	45	ND	.14	.1	13	9	45	3.77	.05	.70	332	1	.01	5	.11	12	ND	ND	ND	5	8	ND	ND	45
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	3	3	1



SAMPLE NAME	AG PPH	AL I	AS PPH	AU PPH	BA PPH	BI PPH	CA I	CD PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	MN PPH	MO PPH	NA I	NI PPH	P I	PB PPH	PD PPH	PT PPH	SB PPH	SN PPH	SR PPH	U PPH	V PPH	ZN PPH
10+50E 1+25S B	2.83		ND	ND	37	ND	.14	.1	23	130	140	4.60	.12	1.60	157	5	.01	61	.02	20	ND	ND	6	18	14	ND	3	67
10+50E 1+50S	1.95	4	ND	ND	10	4	.29	.1	8	40	68	3.24	.13	.22	116	4	.01	17	.04	17	ND	ND	9	8	6	ND	ND	22
10+50E 1+75S A	1.86	ND	ND	ND	13	ND	.28	.1	10	19	74	3.12	.03	.19	180	2	.01	15	.06	11	ND	ND	6	3	9	ND	ND	35
10+50E 1+75S B	1.48	ND	ND	ND	6	ND	.50	.1	2	7	8	1.47	.01	.06	239	ND	.01	4	.01	1	ND	ND	8	2	8	ND	ND	44
10+50E 2+00S	3.75	3	ND	ND	122	ND	.35	.1	19	11	100	2.75	.01	.60	702	ND	.01	29	.04	13	ND	ND	ND	ND	41	ND	ND	54
10+50E 2+25S A	6.46	8	ND	ND	122	ND	.32	.1	55	12	251	3.82	.03	.48	634	3	.01	37	.11	11	ND	ND	ND	ND	53	ND	ND	86
10+50E 2+25S B	1.61	ND	ND	ND	26	ND	.19	.1	8	5	17	2.67	.01	.25	126	ND	.01	4	.01	4	ND	ND	4	1	12	ND	ND	26
10+50E 2+50S	2.25	ND	ND	ND	141	ND	.26	.1	13	2	47	2.70	.01	.64	232	ND	.01	6	.02	7	ND	ND	3	2	57	ND	ND	62
10+50E 2+75S	2.77	ND	ND	ND	53	ND	.13	.1	11	4	25	3.70	.01	.30	126	ND	.01	7	.02	7	ND	ND	ND	1	11	ND	ND	42
11+00E 0+00N	3.50	ND	ND	ND	65	ND	.06	.1	15	4	378	12.76	.22	.51	295	23	.01	5	.14	42	ND	ND	ND	13	7	ND	102	78
11+00E 0+25N	3.72	ND	ND	ND	64	ND	.11	.1	10	ND	24	5.29	.01	.17	701	ND	.01	2	.17	11	ND	ND	ND	ND	12	ND	ND	36
11+00E 0+50N	2.62	ND	ND	ND	51	ND	.08	.1	7	1	14	3.45	.01	.15	864	ND	.01	1	.10	5	ND	ND	ND	ND	7	ND	ND	33
11+00E 0+75N	5.15	ND	ND	ND	89	ND	.17	.3	7	ND	17	3.40	.01	.29	511	ND	.01	1	.08	9	ND	ND	ND	ND	22	ND	ND	51
11+00E 1+00N	.98	ND	ND	ND	86	ND	.16	.1	5	2	19	2.45	.01	.12	176	ND	.01	2	.03	4	ND	ND	6	8	24	ND	ND	23
11+00E 1+25N	6.94	5	ND	ND	54	ND	.03	.3	10	ND	8	1.92	.01	.11	1045	ND	.01	ND	.08	1	ND	ND	ND	ND	7	ND	ND	30
11+00E 1+50N	1.10	ND	ND	ND	69	ND	.08	.1	7	2	7	3.40	.01	.19	562	ND	.01	2	.06	11	ND	ND	5	4	17	ND	ND	29
11+00E 1+75N	.91	ND	ND	ND	76	ND	.16	.1	5	3	5	2.81	.01	.14	134	ND	.01	2	.02	6	ND	ND	7	9	25	ND	ND	13
11+00E 2+00N	1.01	ND	ND	ND	76	ND	.08	.1	8	4	8	3.11	.01	.22	329	ND	.01	1	.03	8	ND	ND	7	13	13	ND	ND	26
11+00E 0+00S	4.73	3	ND	ND	81	ND	.13	.1	16	22	179	5.42	.01	.38	235	1	.01	48	.07	10	ND	ND	ND	ND	13	13	ND	ND
11+00E 0+25S	.88	ND	ND	ND	11	ND	.19	.1	4	38	20	3.54	.04	.07	101	ND	.01	9	.11	10	ND	ND	9	6	14	ND	ND	18
11+00E 0+50S	.88	ND	ND	ND	18	ND	.13	.1	5	28	42	6.02	.11	.08	90	3	.01	14	.12	27	ND	ND	9	7	9	ND	ND	26
11+00E 0+75S	2.88	6	ND	ND	41	ND	.08	.1	11	63	100	4.82	.10	.60	89	1	.01	19	.05	14	ND	ND	7	4	4	ND	3	36
11+50E 0+00N	8.16	19	ND	ND	184	ND	.06	.1	14	ND	69	7.79	.12	.50	275	1	.01	3	.10	23	ND	ND	ND	ND	6	ND	ND	73
11+50E 0+25N	6.33	16	ND	ND	100	ND	.08	.4	9	ND	14	4.05	.05	.19	658	1	.01	3	.12	15	ND	ND	ND	ND	14	ND	ND	38
11+50E 0+50N	3.95	8	ND	ND	78	ND	.08	.1	12	1	17	4.64	.03	.26	1323	ND	.01	3	.10	13	ND	ND	ND	ND	10	ND	ND	50
11+50E 0+75N	3.80	8	ND	ND	60	ND	.08	.1	8	1	9	3.92	.06	.16	747	ND	.01	3	.08	15	ND	ND	4	ND	15	ND	ND	40
11+50E 1+00N	2.56	4	ND	ND	115	3	.08	.1	24	3	32	3.40	.04	.30	949	ND	.01	4	.08	12	ND	ND	7	ND	20	ND	ND	43
11+50E 1+25N	2.31	ND	ND	ND	55	ND	.08	.1	13	2	8	4.55	.01	.14	1618	ND	.01	1	.05	10	ND	ND	4	1	16	ND	ND	31
11+50E 1+50N	.77	3	ND	ND	49	ND	.06	.1	4	3	7	2.22	.01	.10	183	ND	.01	2	.08	10	ND	ND	10	6	12	ND	ND	30
11+50E 1+75N	1.20	3	ND	ND	23	ND	.05	.1	5	2	6	3.18	.01	.14	132	ND	.01	2	.02	9	ND	ND	10	7	4	ND	ND	13
11+50E 2+00N	.40	ND	ND	ND	23	ND	.05	.1	3	3	4	1.58	.01	.06	83	ND	.01	2	.01	4	ND	ND	13	8	7	ND	ND	7
12+00E 0+00N	.79	ND	ND	ND	75	ND	.08	.1	6	3	8	2.59	.01	.17	106	1	.01	2	.04	11	ND	ND	10	9	15	ND	ND	24
12+00E 0+25N	3.16	ND	ND	ND	233	ND	.20	.1	10	1	38	4.23	.08	.80	429	ND	.01	3	.08	6	ND	ND	4	ND	45	ND	ND	55
12+00E 0+50N	5.91	10	ND	ND	92	ND	.08	.1	11	ND	19	5.12	.05	.34	364	ND	.01	3	.11	15	ND	ND	ND	ND	11	ND	ND	51
12+00E 0+75N	1.12	3	ND	ND	153	ND	.11	.1	60	5	7	3.16	.07	.23	5349	ND	.01	6	.06	16	ND	ND	12	ND	36	ND	ND	37
12+00E 1+00N	4.66	10	ND	ND	52	ND	.04	.4	10	1	6	2.15	.01	.08	682	ND	.01	3	.10	11	ND	ND	4	ND	9	ND	ND	37
12+00E 1+25N	3.54	10	ND	ND	43	ND	.05	.1	6	ND	6	3.77	.01	.16	361	ND	.01	2	.06	12	ND	ND	4	ND	7	ND	ND	33
12+00E 1+50N	3.18	7	ND	ND	52	ND	.05	.1	8	ND	10	4.72	.06	.26	174	ND	.01	1	.06	14	ND	ND	7	ND	8	ND	ND	34
12+00E 1+75N	2.50	4	ND	ND	61	3	.06	.1	7	3	8	4.72	.03	.17	148	ND	.01	2	.06	11	ND	ND	8	4	7	ND	ND	35
DETECTION LIMIT	.01	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AS PPH	AL I	AR PPH	AU PPH	BA PPH	BI PPH	CA I	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	NI PPH	NO PPH	NA I	NI PPH	P I	PD PPH	PE PPH	PI PPH	SR PPH	SM PPH	SR PPH	U PPH	V PPH	ZN PPH	
12+00E 2+00N	.8	.69	3	ND	36	4	.07	.1	8	3	10	1.87	.03	.17	189	2	.01	1	.01	11	ND	ND	ND	6	9	ND	ND	13
12+00E 0+25S	.1	.69	ND	ND	9	ND	.03	.1	4	3	2	2.17	.04	.06	66	1	.01	ND	.01	5	ND	ND	ND	ND	2	ND	ND	3
12+00E 0+75S	.1	3.40	ND	ND	31	ND	.05	.1	5	6	12	4.50	.07	.13	69	ND	.01	1	.04	19	ND	ND	ND	ND	7	ND	ND	14
12+00E 1+00S	.1	.88	ND	ND	19	4	.10	.1	4	2	23	1.48	.03	.17	128	4	.01	2	.01	22	ND	ND	ND	ND	7	ND	ND	19
12+50E 0+25N	.1	.75	4	ND	21	ND	.07	.1	5	5	6	2.42	.06	.20	118	1	.01	1	.04	11	ND	ND	ND	ND	6	ND	ND	20
12+50E 0+50N	.3	.31	ND	ND	20	ND	.05	.1	3	3	4	1.72	.06	.06	91	1	.01	1	.01	8	ND	ND	ND	ND	9	ND	ND	8
12+50E 0+75N	.1	.30	ND	ND	16	ND	.07	.1	3	3	3	1.45	.06	.04	75	1	.01	1	.01	5	ND	ND	ND	ND	11	ND	ND	3
12+50E 1+00N	.1	.81	3	ND	35	ND	.07	.1	4	2	14	2.75	.06	.07	90	1	.01	1	.02	10	ND	ND	ND	ND	14	ND	ND	15
12+50E 1+25N	.1	1.45	3	ND	78	ND	.20	.1	8	4	18	2.59	.06	.54	386	1	.01	3	.07	18	ND	ND	ND	ND	30	ND	ND	52
12+50E 1+50N	.6	.72	ND	ND	59	ND	.07	.1	6	1	9	1.86	.07	.26	180	1	.01	1	.05	11	ND	ND	ND	ND	18	ND	ND	25
12+50E 1+75N	.1	.29	5	ND	36	ND	.10	.1	1	3	2	1.33	.06	.05	51	1	.01	3	.04	16	ND	ND	ND	ND	10	ND	ND	22
12+50E 2+00N	.3	.40	3	ND	13	ND	.02	.1	4	2	6	2.68	.07	.07	86	1	.01	1	.01	6	ND	ND	ND	ND	3	ND	ND	9
12+50E 0+25S	.1	.13	4	ND	10	ND	.03	.1	2	4	1	1.54	.05	.04	43	1	.01	1	.01	5	ND	ND	ND	ND	5	3	ND	8
12+50E 0+50S	.3	.44	6	ND	25	ND	.03	.1	4	3	4	1.66	.07	.14	102	1	.01	1	.01	5	ND	ND	ND	ND	6	ND	ND	12
12+50E 1+25S	.3	.77	ND	ND	21	ND	.03	.1	5	6	6	3.50	.08	.08	83	1	.01	1	.02	14	ND	ND	ND	ND	4	ND	ND	12
12+50E 1+50S	.3	.21	4	ND	7	ND	.05	.1	4	3	5	2.36	.06	.03	66	1	.01	ND	.02	6	ND	ND	ND	ND	4	ND	ND	4
P1-016	.1	1.45	ND	ND	29	ND	.05	.1	4	7	11	3.22	.07	.07	79	1	.01	3	.03	13	ND	ND	ND	ND	6	ND	ND	12
P1-017	.1	2.83	3	ND	18	ND	.03	.1	3	6	13	2.75	.06	.06	77	ND	.01	2	.04	54	ND	ND	ND	ND	5	ND	ND	13
P1-018	.1	5.15	ND	ND	41	ND	.11	.2	9	10	22	3.34	.07	.50	293	ND	.01	9	.05	21	ND	ND	ND	ND	10	ND	ND	39
P1-019	.1	3.21	ND	ND	21	ND	.05	.1	4	6	12	2.79	.06	.11	123	ND	.01	7	.04	16	ND	ND	ND	ND	4	ND	ND	26
P1-020	.1	.11	8	ND	22	ND	.05	.1	ND	2	6	.12	.04	.04	16	1	.01	3	.02	4	ND	ND	ND	ND	27	3	ND	37
P1-021	.3	2.50	ND	ND	25	ND	.05	.1	4	7	12	3.62	.10	.08	137	ND	.01	3	.03	19	ND	ND	ND	ND	7	4	ND	19
P1-022	.1	5.83	ND	ND	34	ND	.07	.1	6	7	13	3.44	.08	.26	289	ND	.01	4	.07	22	ND	ND	ND	ND	9	ND	ND	30
P1-023	.3	.99	3	ND	24	ND	.05	.1	4	7	7	3.39	.08	.03	75	1	.01	2	.01	13	ND	ND	ND	ND	7	ND	ND	9
P1-024	.1	4.33	5	ND	37	ND	.07	.1	5	6	17	3.02	.08	.20	195	ND	.01	2	.04	20	ND	ND	ND	ND	12	ND	ND	29
P1-025	.1	4.83	ND	ND	39	ND	.05	.1	4	5	12	2.72	.07	.17	141	ND	.01	2	.05	20	ND	ND	ND	ND	6	ND	ND	26
P1-026	.1	2.05	ND	ND	46	ND	.11	.1	18	11	19	3.27	.08	.22	453	1	.01	7	.04	14	ND	ND	ND	ND	19	ND	ND	29
P1-027	.1	.95	ND	ND	103	ND	.29	.3	22	10	23	2.33	.08	.19	418	1	.01	9	.04	24	ND	ND	ND	ND	44	ND	ND	33
P1-028	.1	2.21	3	ND	67	ND	.30	.1	10	21	26	3.37	.08	.68	205	1	.01	25	.03	14	ND	ND	ND	ND	39	ND	ND	62
P1-029	.1	3.30	ND	ND	71	ND	.75	.3	13	22	26	3.11	.10	.89	440	ND	.01	37	.06	10	ND	ND	ND	ND	92	ND	ND	92
P1-030	.1	2.15	ND	ND	81	ND	.92	.5	11	20	26	2.94	.08	1.01	466	1	.01	32	.06	10	ND	ND	ND	ND	126	ND	3	85
P1-031	.1	1.97	ND	ND	86	ND	1.27	.4	10	18	27	2.91	.10	1.00	500	ND	.01	30	.07	11	ND	ND	ND	ND	166	ND	ND	82
P1-032	.1	2.00	ND	ND	77	ND	.80	.2	12	25	25	4.41	.10	1.00	424	1	.01	33	.06	6	ND	ND	ND	ND	104	ND	ND	91
P1-033	.1	1.87	ND	ND	69	ND	.68	.1	10	22	22	3.54	.08	.88	326	1	.01	29	.04	8	ND	ND	ND	ND	96	ND	ND	80
P1-034	.1	1.91	ND	ND	73	ND	.81	.1	11	23	22	4.01	.10	.93	397	1	.01	29	.05	8	ND	ND	ND	ND	111	ND	ND	77
P1-035	.1	1.83	ND	ND	76	ND	.77	.1	10	19	22	3.97	.10	.85	437	1	.01	24	.06	7	ND	ND	ND	ND	105	ND	ND	72
P1-036	.1	1.95	ND	ND	79	ND	.77	.3	10	16	23	3.72	.11	.83	439	ND	.01	19	.06	9	ND	ND	ND	ND	100	ND	ND	65
P1-037	.1	1.87	4	ND	88	ND	.80	.4	12	21	22	3.44	.10	1.04	459	1	.01	31	.07	9	ND	ND	ND	ND	113	ND	ND	90
P1-038	.1	1.87	ND	ND	80	ND	.90	.6	10	19	24	3.11	.08	.91	418	ND	.01	29	.06	9	ND	ND	ND	ND	121	ND	ND	79
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPH	AL I	AS PPH	AU PPH	BA PPH	BI PPH	CA I	CD PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	NN PPH	MO PPH	NA I	NI PPH	P I	PB PPH	PD PPH	PT PPH	SB PPH	SH PPH	SR PPH	U PPH	V PPH	ZN PPH
P1-039	.1	1.97	ND	ND	90	ND	.89	.1	11	24	25	4.62	.10	1.04	488	1	.01	30	.07	9	ND	ND	ND	ND	122	ND	ND	82
P1-040	.1	2.24	4	ND	96	ND	1.20	.4	12	27	30	3.62	.08	1.08	562	1	.01	36	.07	11	ND	ND	ND	ND	165	ND	ND	100
P1-041	.1	2.34	3	ND	80	ND	.88	.4	12	26	28	3.11	.06	1.04	435	1	.01	38	.06	9	ND	ND	ND	ND	122	ND	ND	93
P1-042	.1	2.16	ND	ND	81	4	.93	.1	12	26	26	3.72	.08	1.02	446	1	.01	37	.06	9	ND	ND	ND	ND	126	ND	ND	86
P1-043	.1	2.11	3	ND	93	3	1.08	.5	11	23	28	3.20	.08	1.12	466	1	.01	35	.06	9	ND	ND	ND	ND	151	ND	ND	89
P1-044	.1	3.83	12	ND	77	ND	.48	.4	49	286	46	5.00	.06	3.18	1646	3	.01	166	.06	22	ND	ND	3	ND	41	ND	3	170
P1-046	.1	2.27	5	ND	112	ND	.40	.3	14	18	31	2.40	.04	.39	772	2	.01	26	.11	38	ND	ND	ND	ND	41	ND	ND	98
P1-048	.1	2.22	ND	ND	70	ND	.98	.3	9	19	25	3.25	.06	.68	464	ND	.01	23	.06	9	ND	ND	ND	ND	119	ND	ND	80
P1-049	.3	2.25	ND	ND	93	ND	1.01	.2	12	26	27	3.55	.06	1.20	455	1	.01	37	.07	8	ND	ND	ND	ND	149	ND	ND	89
P1-050	.1	2.12	ND	ND	98	ND	.79	.4	11	19	27	3.25	.07	.86	532	1	.01	30	.06	11	ND	ND	ND	ND	102	ND	ND	92
P2-001	1.7	1.73	ND	ND	156	ND	.50	.1	9	5	14	3.02	.08	.60	512	1	.01	5	.07	10	ND	ND	ND	ND	51	ND	15	56
P2-002	.1	2.32	ND	ND	157	ND	.79	.1	10	7	17	3.52	.12	.64	570	ND	.01	6	.08	10	ND	ND	ND	ND	46	ND	ND	68
P2-003	.1	1.88	ND	ND	173	ND	.46	.1	10	8	16	3.29	.08	.68	576	1	.01	6	.07	7	ND	ND	ND	ND	42	ND	ND	66
P2-004	.1	1.77	ND	ND	163	ND	.50	.1	10	6	18	3.08	.08	.68	505	1	.01	10	.06	9	ND	ND	ND	ND	45	ND	ND	63
P2-005	.1	2.25	ND	ND	157	ND	.53	.1	10	9	16	4.67	.08	.52	643	1	.01	6	.08	9	ND	ND	ND	ND	57	ND	ND	55
P2-006	.1	2.17	ND	ND	191	ND	.41	.1	12	6	16	3.85	.10	.81	628	ND	.01	4	.07	9	ND	ND	ND	1	39	ND	ND	70
P2-007	.1	1.92	ND	ND	173	ND	.39	.1	11	5	16	3.62	.08	.75	567	1	.01	3	.07	8	ND	ND	ND	ND	37	ND	ND	65
P2-008	.1	1.81	ND	ND	161	ND	.41	.1	9	7	14	3.47	.08	.61	526	1	.01	6	.07	8	ND	ND	ND	ND	43	ND	ND	65
P2-009	.1	1.58	3	ND	156	ND	.34	.1	9	4	13	2.95	.07	.63	468	1	.01	3	.06	6	ND	ND	ND	ND	43	ND	ND	57
P2-010	.1	1.97	ND	ND	177	5	.41	.1	11	6	15	3.45	.08	.73	574	1	.01	6	.06	8	ND	ND	ND	ND	41	ND	ND	65
P2-011	.1	1.97	ND	ND	145	ND	.43	.1	10	7	17	3.52	.08	.56	627	1	.01	13	.07	11	ND	ND	ND	ND	35	ND	ND	62
P2-012	.1	2.16	ND	ND	168	3	.40	.1	11	10	16	4.20	.11	.72	592	1	.01	9	.08	10	ND	ND	ND	ND	35	ND	ND	63
P2-013	.1	2.29	ND	ND	200	ND	.40	.1	12	5	17	3.66	.10	.84	632	ND	.01	5	.07	9	ND	ND	ND	ND	40	ND	ND	69
P2-014	.1	1.81	ND	ND	157	ND	.41	.1	9	7	15	3.04	.08	.65	482	1	.01	4	.07	9	ND	ND	ND	ND	37	ND	4	59
P2-015	.1	2.09	ND	ND	205	ND	.48	.1	11	9	17	3.37	.08	.76	560	1	.01	5	.08	20	ND	ND	ND	ND	55	ND	ND	62
P2-016	.4	2.24	ND	ND	192	ND	.41	.1	13	8	17	3.69	.12	.88	617	1	.01	8	.07	11	ND	ND	ND	ND	38	ND	ND	66
P2-017	.1	2.07	ND	ND	151	ND	.41	.1	10	12	13	4.42	.11	.64	562	1	.01	7	.08	9	ND	ND	ND	ND	36	ND	ND	62
P2-018	.1	2.12	3	ND	182	ND	.45	.1	11	5	15	3.41	.11	.78	581	ND	.01	5	.07	9	ND	ND	ND	ND	44	ND	ND	62
P2-019	.2	2.07	ND	ND	151	3	.40	.1	10	6	13	3.50	.12	.61	542	1	.01	4	.07	12	ND	ND	ND	ND	37	4	ND	53
P2-020	.3	1.93	ND	ND	164	ND	.40	.1	10	7	14	3.59	.12	.69	531	1	.01	5	.07	10	ND	ND	ND	ND	38	ND	ND	54
P2-021	.1	2.08	ND	ND	156	ND	.39	.1	10	7	14	3.52	.08	.63	567	1	.01	4	.07	9	ND	ND	ND	ND	39	ND	ND	59
P2-022	.1	2.58	ND	ND	184	ND	.45	.1	12	7	16	4.05	.12	.76	671	1	.01	4	.08	12	ND	ND	ND	ND	43	ND	ND	69
P2-023	.2	2.32	ND	ND	207	3	.44	.1	12	7	16	3.52	.10	.85	611	1	.01	5	.07	11	ND	ND	ND	ND	46	ND	ND	68
P2-024	.1	2.77	ND	ND	188	ND	.48	.1	12	9	17	3.97	.10	.79	703	ND	.01	6	.08	11	ND	ND	ND	ND	42	ND	ND	70
P2-025	.1	2.37	ND	ND	156	ND	.41	.1	11	11	15	4.25	.10	.60	595	1	.01	8	.08	12	ND	ND	ND	ND	37	ND	ND	54
P2-026	.4	1.97	4	ND	155	ND	.39	.1	11	9	15	3.37	.13	.64	543	1	.01	6	.07	12	ND	ND	ND	ND	38	4	ND	60
P2-027	.2	2.36	ND	ND	196	ND	.44	.1	12	7	16	3.92	.12	.83	614	1	.01	4	.08	12	ND	ND	ND	ND	43	ND	ND	69
P2-028	.1	1.91	ND	ND	134	ND	.39	.1	9	10	13	4.44	.11	.52	508	1	.01	3	.08	10	ND	ND	ND	ND	32	ND	ND	46
P2-029	.3	2.37	ND	ND	198	5	.44	.1	12	7	16	3.77	.12	.86	599	1	.01	6	.07	9	ND	ND	ND	ND	41	ND	ND	69
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AS PPH	AL %	AS PPH	AU PPH	BA PPH	BI PPH	CA %	CO PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	MN PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SM PPH	SR PPH	U PPH	V PPH	ZN PPH
P2-030	.1	2.00	10	ND	146	ND	.40	.1	12	8	18	3.65	.12	.59	539	1	.01	7	.08	12	ND	ND	ND	ND	35	4	ND	56
P2-031	.1	2.41	3	ND	201	ND	.52	.1	16	12	20	3.95	.12	.88	655	1	.01	10	.08	14	ND	ND	3	2	55	ND	ND	75
P2-032	.1	2.12	5	ND	185	ND	.45	.6	13	8	17	3.65	.13	.72	555	1	.01	5	.08	11	ND	ND	ND	ND	47	ND	5	71
P2-033	.1	1.62	12	ND	155	ND	.45	.1	11	5	16	2.77	.13	.60	447	1	.01	5	.07	12	ND	ND	ND	4	61	3	ND	55
P2-034	.1	1.92	6	ND	180	ND	.43	.1	14	9	19	4.16	.13	.72	600	1	.01	7	.08	9	ND	ND	ND	ND	37	ND	3	64
P2-035	.1	2.32	ND	ND	192	ND	.52	.2	13	12	20	3.72	.13	.64	697	1	.01	8	.10	13	ND	ND	3	ND	42	ND	ND	67
P2-036	.1	1.97	3	ND	205	ND	.40	.1	15	11	19	4.09	.14	.78	667	2	.01	10	.10	12	ND	ND	ND	2	35	ND	ND	72
P2-037	.1	1.92	4	ND	191	ND	.38	.1	14	7	19	3.84	.14	.80	585	1	.01	7	.08	9	ND	ND	ND	ND	32	ND	ND	61
P2-038	.1	2.06	4	ND	170	ND	.59	.4	12	8	21	3.25	.12	.64	760	1	.01	6	.10	13	ND	ND	ND	ND	39	ND	ND	60
P2-039	.4	1.87	6	ND	177	ND	.35	.1	15	8	20	3.52	.14	.83	629	1	.01	9	.11	9	ND	ND	ND	1	24	ND	ND	67
P2-040	.1	1.87	4	ND	197	ND	.39	.1	13	6	18	3.75	.15	.72	522	1	.01	5	.10	8	ND	ND	ND	ND	36	ND	ND	69
P2-041	.2	2.16	4	ND	207	ND	.40	.3	14	8	18	3.34	.15	.83	578	1	.01	9	.08	13	ND	ND	ND	ND	36	ND	ND	71
P2-042	.1	2.17	7	ND	209	ND	.43	.1	15	9	18	3.59	.15	.83	580	1	.01	8	.10	11	ND	ND	ND	ND	36	ND	ND	68
P2-043	.4	2.08	3	ND	184	ND	.39	.1	13	8	18	3.16	.15	.71	536	1	.01	8	.08	11	ND	ND	ND	ND	32	ND	ND	71
P2-044	.2	2.32	ND	ND	171	ND	.40	.4	13	8	17	3.52	.16	.65	579	ND	.01	6	.10	12	ND	ND	ND	ND	31	ND	ND	65
P2-045	.1	2.15	ND	ND	133	ND	.39	.3	12	12	16	4.83	.16	.52	501	1	.01	7	.11	11	ND	ND	ND	ND	26	ND	ND	54
P2-046	.4	2.08	4	ND	173	ND	.38	.5	14	9	17	3.64	.14	.79	548	1	.01	8	.10	9	ND	ND	ND	ND	27	ND	ND	68
P2-047	.2	2.27	ND	ND	198	ND	.40	.2	13	6	19	3.77	.14	.70	598	1	.01	5	.08	12	ND	ND	ND	ND	37	ND	3	74
P2-048	.2	2.49	ND	ND	224	3	.40	.1	15	7	19	3.77	.15	.83	683	1	.01	6	.08	12	ND	ND	ND	ND	40	ND	ND	86
P2-049	.1	2.47	ND	ND	216	ND	.40	.1	13	6	18	3.50	.13	.68	675	1	.01	7	.07	13	ND	ND	ND	ND	43	ND	ND	83
P2-050	.1	2.74	ND	ND	219	ND	.44	.1	14	7	21	4.48	.13	.68	726	1	.01	14	.08	14	ND	ND	ND	ND	43	ND	ND	80
P3-001	.2	1.27	7	ND	93	ND	.20	.2	10	6	10	2.40	.11	.40	464	2	.01	8	.02	9	ND	ND	ND	ND	23	ND	ND	58
P3-002	.2	1.56	6	ND	99	ND	.20	.2	10	5	10	2.77	.11	.44	498	1	.01	6	.02	10	ND	ND	ND	ND	23	ND	ND	63
P3-003	.2	1.77	6	ND	116	ND	.28	.2	11	6	17	2.66	.10	.45	627	2	.01	5	.02	13	ND	ND	ND	ND	25	ND	ND	66
P3-004	.2	1.75	3	ND	107	ND	.20	.4	12	5	12	3.04	.11	.58	580	2	.01	6	.02	11	ND	ND	ND	ND	21	ND	ND	71
P3-005	.2	1.45	4	ND	85	ND	.17	.2	11	5	10	2.65	.10	.44	500	2	.01	7	.01	9	ND	ND	ND	ND	20	ND	ND	35
P3-006	.4	1.97	ND	ND	100	ND	.24	.1	12	7	11	3.45	.10	.43	651	2	.01	7	.04	17	ND	ND	ND	ND	23	ND	ND	69
P3-007	.2	1.41	7	ND	95	ND	.20	.3	11	7	10	2.75	.09	.56	517	2	.01	7	.02	10	ND	ND	ND	ND	18	ND	ND	65
P3-008	.1	1.62	3	ND	102	ND	.28	.1	10	7	11	2.95	.08	.40	765	1	.01	6	.03	11	ND	ND	ND	ND	26	ND	ND	72
P3-009	.2	1.47	4	ND	90	ND	.19	.4	10	6	10	2.56	.09	.44	458	2	.01	6	.02	8	ND	ND	ND	ND	20	ND	ND	52
P3-010	.1	2.17	ND	ND	113	ND	.26	.1	12	8	13	3.54	.08	.45	674	2	.01	6	.04	13	ND	ND	ND	ND	25	ND	ND	63
P3-011	.2	1.67	ND	ND	115	ND	.22	.1	11	5	13	2.82	.06	.56	553	2	.01	6	.02	10	ND	ND	ND	ND	23	ND	ND	64
P3-012	.1	1.52	ND	ND	108	ND	.24	.1	10	5	12	2.67	.06	.44	542	2	.01	5	.03	9	ND	ND	ND	ND	31	ND	ND	54
P3-013	.2	2.00	ND	ND	118	ND	.22	.1	11	5	14	2.81	.06	.45	480	1	.01	5	.02	10	ND	ND	ND	ND	28	ND	ND	60
P3-014	.2	1.60	3	ND	110	ND	.20	.2	10	5	13	2.66	.06	.48	460	2	.01	5	.02	9	ND	ND	ND	ND	24	ND	ND	59
P3-015	.1	1.20	5	ND	84	ND	.17	.2	10	6	12	2.37	.03	.44	431	2	.01	7	.01	7	ND	ND	ND	ND	21	ND	ND	50
P3-016	.1	1.45	ND	ND	90	ND	.19	.3	9	5	11	2.41	.03	.40	420	2	.01	6	.02	7	ND	ND	ND	ND	23	ND	ND	44
P3-017	.1	1.82	ND	ND	116	ND	.20	.2	12	5	13	2.91	.03	.56	535	1	.01	6	.02	8	ND	ND	ND	ND	24	ND	ND	59
P3-018	.1	1.95	ND	ND	114	ND	.27	.1	11	6	14	2.86	.03	.45	573	1	.01	6	.03	9	ND	ND	ND	ND	32	ND	ND	63
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPH	AL I	AS PPH	AU PPH	BA PPH	BI PPH	CA I	CD PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	MN PPH	MO PPH	NA I	NI PPH	P I	PB PPH	PB PPH	PT PPH	SB PPH	SM PPH	SR PPH	U PPH	V PPH	ZN PPH
P3-019	.1	2.16	5	ND	118	ND	.26	.1	9	5	10	3.12	.05	.44	566	1	.01	4	.03	9	ND	ND	ND	1	35	ND	ND	61
P3-020	.1	2.29	7	ND	128	ND	.29	.1	10	5	8	3.37	.05	.40	642	1	.01	2	.04	11	ND	ND	ND	1	38	ND	ND	58
P3-021	.1	1.56	ND	ND	103	ND	.20	.1	7	3	6	2.45	.04	.40	389	1	.01	1	.02	7	ND	ND	ND	2	28	ND	ND	46
P3-022	.1	1.43	ND	ND	101	ND	.22	.1	7	4	7	2.41	.03	.43	362	1	.01	3	.02	6	ND	ND	ND	2	29	ND	ND	46
P3-023	.1	1.43	ND	ND	101	ND	.22	.1	7	6	8	2.52	.03	.44	384	1	.01	4	.02	7	ND	ND	ND	1	27	ND	ND	51
P3-024	.1	2.25	7	ND	118	ND	.27	.1	9	6	9	3.11	.05	.44	541	1	.01	3	.04	11	ND	ND	ND	ND	32	ND	ND	53
P3-025	.1	2.08	7	ND	121	ND	.30	.1	9	5	9	2.92	.05	.40	602	1	.01	3	.04	12	ND	ND	ND	ND	33	ND	ND	57
P3-026	.1	2.02	4	ND	120	ND	.32	.1	9	5	9	2.87	.04	.35	611	1	.01	4	.04	13	ND	ND	ND	ND	34	ND	ND	45
P3-027	.1	1.61	ND	ND	126	ND	.24	.1	9	5	8	2.62	.04	.45	458	1	.01	2	.03	8	ND	ND	ND	1	33	ND	ND	60
P3-028	.1	1.52	ND	ND	112	ND	.22	.1	8	5	8	2.47	.03	.45	426	1	.01	5	.02	7	ND	ND	ND	1	32	ND	ND	50
P3-029	.2	1.38	ND	ND	109	ND	.22	.1	9	5	7	2.56	.03	.51	444	1	.01	5	.02	8	ND	ND	ND	2	30	ND	ND	50
P3-030	.1	2.08	13	ND	143	ND	.28	.1	11	4	9	2.95	.05	.56	571	1	.01	3	.03	11	ND	ND	ND	2	37	ND	ND	64
P3-031	.1	1.38	ND	ND	133	ND	.30	.2	7	4	9	2.37	.03	.44	382	1	.01	3	.03	8	ND	ND	ND	2	52	ND	ND	47
P3-032	.1	1.92	6	ND	152	ND	.35	.1	11	5	36	3.34	.05	.55	570	1	.01	4	.04	11	ND	ND	ND	1	54	ND	ND	62
P3-033	.1	1.43	ND	ND	127	ND	.25	.1	8	4	8	2.41	.03	.44	441	1	.01	4	.03	9	ND	ND	ND	1	44	ND	ND	54
P3-034	.1	1.51	ND	ND	121	ND	.28	.1	10	4	35	2.87	.04	.48	533	1	.01	4	.03	10	ND	ND	ND	2	34	ND	ND	53
P3-035	.1	1.54	ND	ND	119	ND	.29	.1	9	6	10	2.75	.04	.44	547	1	.01	3	.03	10	ND	ND	ND	2	32	ND	ND	52
P3-036	.1	1.61	ND	ND	124	ND	.29	.1	9	5	12	2.62	.04	.48	532	1	.01	4	.03	10	ND	ND	3	ND	36	ND	ND	54
P3-037	.1	1.51	ND	ND	121	ND	.29	.1	9	5	14	2.77	.04	.48	512	1	.01	3	.03	10	ND	ND	ND	2	36	ND	ND	64
P4-001	.1	1.50	4	ND	104	ND	.56	.1	10	7	15	2.95	.04	.65	554	2	.01	8	.06	10	ND	ND	ND	3	46	ND	ND	65
P4-002	.1	1.47	5	ND	100	ND	.63	.1	10	8	15	2.91	.04	.65	560	2	.01	18	.06	11	ND	ND	ND	2	48	ND	3	68
P4-003	.1	1.70	9	ND	114	3	.70	.1	12	9	16	3.22	.04	.76	642	2	.01	13	.06	12	ND	ND	5	2	53	ND	3	72
P4-004	.1	1.28	4	ND	83	4	.72	.1	9	7	12	2.90	.04	.59	512	2	.01	9	.06	9	ND	ND	3	3	47	ND	ND	62
P4-005	.1	1.31	ND	ND	94	4	.60	.1	10	9	32	2.95	.04	.58	505	2	.01	9	.07	10	ND	ND	3	2	70	ND	ND	62
P4-006	.1	1.37	ND	ND	87	3	.68	.1	9	6	12	2.67	.04	.59	512	1	.01	6	.06	10	ND	ND	3	2	50	ND	ND	62
P4-007	.1	1.45	7	ND	103	ND	.51	.1	9	6	9	2.79	.04	.58	488	1	.01	5	.05	11	ND	ND	4	ND	55	ND	ND	52
P4-008	.1	1.77	ND	ND	122	ND	1.12	.1	10	13	21	4.50	.06	.68	583	ND	.01	10	.06	11	ND	ND	ND	ND	89	ND	ND	69
P4-009	.1	1.37	ND	ND	97	ND	.56	.1	5	4	6	2.70	.04	.60	540	ND	.01	1	.05	9	ND	ND	ND	ND	45	ND	ND	51
P4-010	.1	1.58	ND	ND	119	ND	.55	.1	7	4	7	2.82	.04	.68	594	ND	.01	1	.05	10	ND	ND	ND	ND	45	ND	ND	63
P4-011	.1	.91	ND	ND	57	ND	.40	.1	2	22	4	1.88	.02	.39	357	ND	.01	2	.03	6	ND	ND	ND	ND	39	ND	ND	30
P4-012	.1	.86	ND	ND	58	ND	.44	.1	1	15	1	1.63	.02	.35	322	ND	.01	ND	.03	5	ND	ND	ND	ND	45	ND	ND	24
P4-013	.1	1.77	ND	ND	123	ND	.48	.1	7	6	7	3.04	.04	.64	677	ND	.01	2	.06	14	ND	ND	ND	ND	49	ND	ND	62
P4-014	.1	1.77	ND	ND	121	ND	.44	.1	6	4	7	3.04	.04	.60	578	ND	.01	2	.04	13	ND	ND	ND	ND	45	ND	ND	51
P4-015	.1	1.37	ND	ND	105	ND	.48	.1	6	4	6	3.15	.04	.60	566	ND	.01	1	.06	9	ND	ND	ND	ND	44	ND	ND	53
P4-016	.1	1.50	ND	ND	92	ND	.51	.1	7	7	9	4.74	.06	.60	590	ND	.01	2	.06	12	ND	ND	ND	ND	43	ND	ND	61
P4-017	.1	1.45	ND	ND	102	ND	.52	.1	6	8	7	4.19	.05	.60	547	ND	.01	3	.05	12	ND	ND	ND	ND	56	ND	ND	62
P4-018	.1	1.54	ND	ND	110	ND	.60	.1	6	4	6	3.22	.04	.64	587	ND	.01	ND	.06	9	ND	ND	ND	ND	51	ND	ND	65
P4-019	.1	.96	ND	ND	67	ND	.40	.1	3	11	5	1.92	.02	.40	371	ND	.01	ND	.04	6	ND	ND	ND	ND	38	ND	ND	31
P4-020	.1	.93	ND	ND	63	ND	.40	.1	3	11	4	2.06	.02	.43	386	ND	.01	ND	.04	5	ND	ND	ND	ND	35	ND	ND	34
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



SAMPLE NAME	AB PPH	AL %	AS PPH	AU PPH	BA PPH	BI PPH	CA %	CD PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	MN PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SN PPH	SR PPH	U PPH	W PPH	ZN PPH
P4-021	.1	2.25	ND	ND	153	ND	.80	.1	12	11	16	4.84	.12	.86	763	2	.01	12	.07	15	ND	ND	ND	1	103	ND	ND	87
P4-022	.1	1.33	ND	ND	97	ND	.48	.1	8	15	8	2.67	.07	.63	518	2	.01	5	.05	7	ND	ND	ND	1	40	ND	ND	51
P4-023	.6	1.14	ND	ND	77	ND	.46	.1	7	14	7	2.43	.08	.53	460	1	.01	5	.05	8	ND	ND	ND	ND	38	ND	ND	39
P4-024	.1	1.06	4	ND	73	ND	.44	.1	6	24	6	2.12	.07	.44	387	1	.01	4	.04	4	ND	ND	ND	ND	38	ND	ND	29
P4-025	.1	1.06	ND	ND	69	ND	.51	.1	8	26	8	4.66	.12	.45	494	1	.01	4	.05	6	ND	ND	ND	1	59	ND	ND	36
P4-026	.1	1.14	5	ND	66	ND	.54	.1	7	30	8	2.95	.08	.45	451	1	.01	5	.04	5	ND	ND	ND	ND	41	4	ND	31
P4-027	.1	1.06	ND	ND	75	ND	.58	.1	6	20	6	2.38	.08	.44	416	1	.01	4	.04	6	ND	ND	ND	ND	33	ND	ND	32
P4-028	.1	1.38	ND	ND	88	ND	.32	.1	8	8	7	4.48	.10	.43	524	2	.01	3	.06	8	ND	ND	ND	ND	28	ND	ND	45
P4-029	.1	.93	ND	ND	83	ND	.34	.1	5	15	6	2.07	.06	.41	370	1	.01	2	.04	6	ND	ND	ND	ND	29	ND	ND	30
P4-030	.3	1.16	ND	ND	79	ND	.41	.1	8	32	9	4.44	.12	.44	498	2	.01	5	.05	7	ND	ND	ND	1	34	ND	ND	38
P4-031	.1	1.03	ND	ND	77	ND	.36	.1	6	19	4	1.93	.08	.44	385	1	.01	3	.03	6	ND	ND	ND	ND	32	3	ND	32
P4-032	1.2	1.00	4	ND	65	ND	.41	.1	6	24	6	2.37	.10	.41	396	1	.01	4	.04	7	ND	ND	ND	ND	36	4	ND	29
P4-033	.1	1.08	4	ND	72	ND	.39	.1	7	15	7	2.99	.11	.48	463	1	.01	2	.05	7	ND	ND	ND	ND	30	5	ND	41
P4-034	.1	.93	ND	ND	65	ND	.35	.1	5	18	4	1.89	.08	.40	362	1	.01	2	.04	6	ND	ND	ND	ND	30	5	ND	28
P4-035	.1	1.08	ND	ND	74	ND	.43	.1	6	27	6	2.08	.08	.44	401	1	.01	4	.04	7	ND	ND	ND	ND	37	5	ND	29
P4-036	.1	1.01	3	ND	63	ND	.41	.1	6	16	8	2.11	.08	.44	386	1	.01	2	.05	8	ND	ND	ND	ND	29	ND	ND	32
P4-037	.1	1.03	3	ND	71	ND	.38	.1	6	20	5	2.31	.11	.44	409	1	.01	3	.03	7	ND	ND	ND	1	32	7	ND	33
P4-038	.1	.98	ND	ND	65	ND	.40	.1	7	19	7	3.80	.12	.43	457	1	.01	3	.05	6	ND	ND	ND	1	31	8	ND	30
P4-039	.1	1.06	3	ND	69	ND	.44	.1	7	16	9	3.04	.10	.48	443	1	.01	3	.06	13	ND	ND	ND	ND	32	4	ND	35
P4-040	.1	1.00	ND	ND	74	ND	.44	.1	7	21	8	2.93	.11	.45	430	2	.01	7	.04	7	ND	ND	ND	1	30	3	ND	30
S-001	.1	2.70	3	ND	43	ND	.30	.1	18	37	27	3.95	.08	.80	600	4	.01	44	.07	20	ND	ND	ND	ND	28	ND	3	72
S-002	.1	4.72	ND	ND	187	ND	.59	.5	16	29	32	3.67	.07	1.77	624	1	.01	47	.07	29	ND	ND	ND	ND	138	ND	3	114
S-003	.8	2.54	ND	ND	81	3	.35	.1	14	7	16	4.09	.08	.69	356	3	.01	15	.05	19	ND	ND	ND	3	30	ND	ND	58
S-004	.1	3.35	ND	ND	66	ND	1.01	.3	11	11	10	3.22	.08	.30	251	6	.01	35	.08	22	ND	ND	ND	ND	140	ND	ND	55
S-005	.1	4.66	ND	ND	71	ND	1.35	1.1	16	11	32	2.84	.08	1.18	425	3	.01	86	.07	26	ND	ND	ND	ND	133	ND	3	64
S-006	.1	3.12	ND	ND	364	ND	.55	.4	6	7	9	2.74	.06	.60	260	1	.01	4	.03	17	ND	ND	ND	ND	222	ND	ND	38
S-007	.1	5.52	ND	ND	105	ND	.44	.1	11	11	14	3.45	.08	.93	302	ND	.01	11	.05	29	ND	ND	3	ND	44	ND	ND	54
S-008	.4	2.70	3	ND	47	ND	.12	.1	7	9	7	3.34	.08	.27	119	1	.01	7	.02	21	ND	ND	ND	2	18	5	ND	22
S-009	.2	2.95	4	ND	32	ND	.08	.1	4	6	7	2.97	.08	.17	142	ND	.01	2	.03	19	ND	ND	ND	ND	8	4	ND	19
S-010	.1	5.16	ND	ND	87	ND	.20	.2	8	7	20	2.91	.06	.56	325	ND	.01	8	.05	26	ND	ND	3	ND	16	ND	ND	65
S-011	.1	5.05	5	ND	61	ND	.13	.1	7	6	12	2.91	.06	.40	263	ND	.01	5	.05	25	ND	ND	3	ND	13	ND	ND	40
S-012	.1	5.84	3	ND	30	ND	.10	.1	7	7	12	3.65	.08	.26	196	ND	.01	3	.05	31	ND	ND	5	ND	10	ND	ND	33
S-013	.1	4.91	ND	ND	33	ND	.15	.1	6	7	13	3.25	.07	.22	309	ND	.01	2	.06	28	ND	ND	3	ND	15	ND	ND	35
S-014	.1	4.22	ND	ND	28	ND	.08	.1	5	6	9	2.79	.05	.17	161	ND	.01	2	.05	24	ND	ND	ND	ND	10	ND	ND	26
S-015	.1	3.87	3	ND	401	ND	.51	.6	10	11	16	2.07	.06	2.54	763	ND	.01	12	.08	23	ND	ND	ND	ND	181	ND	6	85
S-016	.4	2.87	ND	ND	37	ND	.14	.1	6	8	19	3.52	.08	.28	159	1	.01	2	.02	18	ND	ND	ND	1	19	ND	ND	30
S-017	.2	2.95	ND	ND	25	ND	.05	.1	3	5	9	2.31	.05	.12	69	ND	.01	2	.04	19	ND	ND	ND	ND	8	ND	ND	26
S-018	.3	5.00	3	ND	23	ND	.06	.1	5	6	8	3.12	.07	.15	119	ND	.01	2	.04	30	ND	ND	4	ND	7	4	ND	24
S-019	.1	3.29	3	ND	79	ND	.22	.4	5	6	9	2.61	.06	.50	174	ND	.01	3	.03	19	ND	ND	ND	ND	47	ND	ND	29
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPH	AL %	AS PPH	AU PPH	BA PPH	BI PPH	CA %	CO PPH	CU PPH	CR PPH	CU PPH	FE %	K %	MG %	MN PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SN PPH	GR PPH	U PPH	V PPH	ZN PPH
B-020	.6	1.77	ND	ND	56	ND	.29	.1	8	7	18	4.19	.08	.46	204	2	.01	8	.02	13	ND	ND	ND	3	60	ND	ND	28
B-022	.1	5.10	4	ND	129	ND	.48	.1	14	8	18	3.47	.08	1.06	1159	ND	.01	9	.06	10	ND	ND	ND	ND	63	ND	ND	28
B-023	.2	1.70	ND	ND	62	4	.22	.1	6	7	16	3.72	.06	.40	182	1	.01	4	.03	10	ND	ND	ND	ND	35	ND	ND	29
B-024	.2	1.33	4	ND	22	ND	.15	.1	5	11	10	3.30	.05	.17	123	2	.01	4	.03	9	ND	ND	ND	1	14	ND	ND	19
B-025	.5	.48	5	ND	23	ND	.12	.1	5	14	9	2.59	.10	.11	87	2	.01	5	.02	10	ND	ND	4	ND	11	7	ND	14
B-026	.1	2.41	3	ND	54	ND	.17	.1	4	8	16	2.06	.04	.29	244	ND	.01	5	.08	6	ND	ND	ND	ND	19	ND	ND	48
B-027	.1	1.91	3	ND	34	ND	.08	.1	3	7	10	.66	.01	.20	128	1	.01	5	.05	6	ND	ND	ND	ND	10	ND	ND	51
B-028	.1	3.42	ND	ND	50	ND	.13	.1	4	8	11	1.67	.04	.27	130	ND	.01	5	.06	5	ND	ND	ND	ND	15	ND	ND	32
B-029	.1	1.41	3	ND	56	ND	.19	.1	6	6	10	2.20	.07	.36	269	1	.01	5	.02	6	ND	ND	ND	ND	21	ND	ND	30
B-030	.2	1.08	ND	ND	32	ND	.13	.1	5	7	13	3.02	.08	.32	229	1	.01	2	.02	6	ND	ND	ND	ND	12	ND	ND	26
B-031	.4	1.62	5	ND	36	ND	.10	.1	5	7	7	2.75	.08	.19	104	1	.01	4	.02	8	ND	ND	ND	ND	12	ND	ND	17
B-032	.5	2.04	ND	ND	68	ND	.19	.1	7	8	11	3.74	.11	.40	236	1	.01	3	.03	9	ND	ND	ND	ND	21	ND	ND	37
B-033	.1	3.70	ND	ND	87	ND	.22	.1	7	4	16	3.07	.08	.48	330	ND	.01	3	.05	3	ND	ND	ND	ND	20	ND	ND	33
B-034	.3	7.16	4	ND	68	ND	.08	.1	9	2	10	3.64	.11	.28	264	ND	.01	ND	.03	10	ND	ND	ND	ND	13	ND	ND	26
B-035	.5	4.10	ND	ND	81	ND	.16	.1	6	7	15	2.57	.12	.44	252	ND	.01	3	.04	9	ND	ND	ND	ND	17	9	ND	39
SM-1 001	.7	2.13	ND	ND	116	ND	.39	.1	18	15	20	4.24	.14	.78	734	1	.01	7	.05	15	ND	ND	ND	ND	42	ND	ND	69
SM-1 002	.2	1.82	ND	ND	117	ND	.48	.1	14	13	21	3.29	.13	.91	805	1	.01	9	.07	9	ND	ND	ND	ND	47	ND	ND	61
SM-1 003	.3	1.53	3	ND	84	ND	.48	.1	10	16	15	2.57	.12	.81	508	1	.01	6	.05	5	ND	ND	ND	ND	41	ND	ND	48
SM-1 004	.2	1.45	ND	ND	74	3	.48	.1	10	19	14	2.68	.11	.72	565	1	.01	7	.04	8	ND	ND	ND	ND	44	ND	ND	49
SM-1 005	.3	1.54	ND	ND	87	ND	.53	.1	12	20	18	3.00	.13	.85	601	1	.01	11	.05	7	ND	ND	ND	ND	51	ND	ND	51
SM-1 006	.3	1.56	3	ND	81	ND	.52	.1	11	17	15	2.62	.12	.76	612	1	.01	9	.05	7	ND	ND	ND	ND	52	ND	ND	49
SM-1 007	.3	1.54	ND	ND	73	ND	.52	.1	11	22	16	2.68	.12	.85	614	1	.01	8	.05	8	ND	ND	ND	ND	48	ND	ND	53
SM-1 008	.4	1.45	3	ND	70	3	.51	.1	10	18	14	2.50	.12	.78	524	1	.01	7	.05	8	ND	ND	ND	ND	44	ND	ND	46
SM-1 009	.4	1.51	4	ND	72	ND	.51	.1	11	18	14	2.72	.13	.83	593	1	.01	6	.06	7	ND	ND	ND	ND	50	ND	ND	50
SM-1 010	.4	1.54	4	ND	66	3	.50	.1	12	20	16	2.72	.12	.91	617	1	.01	8	.05	7	ND	ND	ND	ND	48	ND	ND	55
SM-1 011	.2	1.66	ND	ND	88	3	.56	.1	12	18	16	2.84	.12	.86	660	1	.01	7	.06	5	ND	ND	ND	ND	51	ND	ND	56
SM-1 012	.1	1.56	ND	ND	81	ND	.52	.1	11	18	17	2.66	.11	.81	625	1	.01	6	.05	6	ND	ND	ND	ND	55	ND	ND	52
SM-1 013	.2	1.67	3	ND	77	ND	.65	.1	11	26	18	2.62	.12	.83	579	1	.01	7	.05	6	ND	ND	ND	ND	54	ND	ND	50
SM-1 014	.1	1.56	ND	ND	99	ND	.53	.1	10	26	18	2.58	.11	.77	582	1	.01	7	.05	6	ND	ND	ND	ND	48	ND	ND	57
SM-1 015	.3	1.87	5	ND	105	ND	.76	.1	9	21	23	2.49	.14	.79	370	ND	.01	5	.06	2	ND	ND	ND	ND	46	ND	ND	36
SM-1 016	.4	1.56	4	ND	77	ND	.56	.1	11	23	16	2.82	.15	.85	569	1	.01	7	.05	8	ND	ND	ND	ND	50	ND	ND	50
SM-1 017	.2	1.72	3	ND	90	ND	.64	.1	11	19	16	2.87	.12	.88	641	1	.01	6	.05	6	ND	ND	ND	ND	56	ND	ND	54
SM-1 018	.2	1.62	4	ND	87	3	.56	.1	12	22	16	2.81	.12	.83	649	1	.01	6	.04	8	ND	ND	ND	ND	57	ND	ND	49
SM-1 019	.2	1.67	ND	ND	82	4	.58	.1	12	19	18	2.75	.12	.86	605	1	.01	5	.05	6	ND	ND	ND	ND	50	ND	ND	53
SM-1 020	.5	1.56	6	ND	83	ND	.53	.1	12	18	16	2.66	.12	.80	635	1	.01	5	.05	9	ND	ND	ND	ND	59	ND	ND	52
SM-1 021	.5	1.85	6	ND	88	3	.68	.1	12	33	18	2.82	.14	.91	622	1	.01	6	.05	6	ND	ND	ND	ND	63	ND	ND	51
SM-1 022	.4	1.98	6	ND	103	ND	.70	.1	13	29	19	3.02	.13	1.02	658	1	.01	7	.05	7	ND	ND	ND	ND	66	ND	ND	60
SM-1 023	.4	1.53	4	ND	91	ND	.53	.1	11	17	16	2.52	.12	.83	528	1	.01	7	.05	4	ND	ND	ND	ND	42	ND	ND	46
SM-1 024	.6	4.72	ND	ND	371	ND	.39	.4	23	5	185	3.30	.19	1.12	628	ND	.01	6	.13	7	ND	ND	ND	ND	59	ND	ND	98
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AB PPH	AL %	AS PPH	AJ PPH	BA PPH	BI PPH	CA %	CB PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	MM PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SM PPH	SR PPH	U PPH	V PPH	ZN PPH
BH1-025	.4	2.34	ND	ND	254	ND	.83	.1	18	17	45	5.02	.22	1.29	521	1	.01	7	.11	6	ND	ND	ND	3	46	ND	ND	134
BH1-026	.2	1.61	ND	ND	100	ND	.52	.1	11	21	14	2.75	.10	.89	569	1	.01	6	.06	4	ND	ND	ND	ND	44	ND	ND	52
BH1-027	.1	1.95	ND	ND	101	ND	.65	.1	12	29	18	3.00	.11	.96	665	1	.01	5	.05	9	ND	ND	ND	1	71	ND	ND	61
BH1-028	.2	1.95	ND	ND	114	4	.68	.1	13	22	15	3.02	.11	1.03	648	1	.01	7	.06	7	ND	ND	ND	2	69	ND	ND	60
BH1-029	.2	2.27	ND	ND	113	ND	.83	.1	14	42	20	3.40	.12	1.06	779	1	.01	6	.05	7	ND	ND	ND	1	71	ND	ND	61
BH1-030	.2	2.04	ND	ND	109	ND	.69	.1	13	25	19	3.11	.12	1.04	663	1	.01	7	.06	5	ND	ND	ND	ND	56	ND	ND	59
BH1-031	.2	1.95	ND	ND	97	ND	.69	.1	13	27	16	3.12	.12	.97	711	1	.01	6	.05	8	ND	ND	ND	ND	64	ND	ND	58
BH1-032	.1	1.82	ND	ND	89	ND	.60	.1	12	23	14	2.90	.08	.93	691	1	.01	6	.05	15	ND	ND	ND	ND	56	ND	ND	57
BH1-033	.1	1.82	3	ND	120	ND	.64	.1	12	22	13	2.77	.11	.91	645	1	.01	6	.05	4	ND	ND	ND	ND	71	ND	ND	53
BH1-034	.1	1.70	ND	ND	83	ND	.59	.1	11	22	15	2.79	.08	.89	639	1	.01	4	.05	5	ND	ND	ND	1	52	ND	ND	51
BH1-035	.2	2.02	ND	ND	118	ND	.75	.1	13	30	17	3.16	.13	.98	672	1	.01	7	.06	6	ND	ND	ND	ND	61	ND	ND	58
BH1-036	.2	2.02	3	ND	95	ND	.72	.1	13	32	17	2.88	.11	.93	713	1	.01	5	.05	8	ND	ND	ND	1	64	ND	ND	55
BH1-037	.3	1.92	6	ND	94	ND	.68	.1	13	25	15	2.99	.12	.93	718	1	.01	6	.05	8	ND	ND	ND	ND	61	ND	ND	57
BH1-038	.4	2.11	3	ND	95	ND	.77	.1	15	34	21	3.25	.14	1.08	740	1	.01	10	.05	9	ND	ND	ND	1	62	4	ND	62
BH1-039	.3	2.00	ND	ND	104	ND	.72	.1	13	26	17	3.24	.14	1.04	716	1	.01	7	.06	6	ND	ND	ND	ND	64	ND	ND	60
BH1-040	.3	2.02	ND	ND	97	ND	.68	.1	14	21	15	3.18	.12	1.10	772	1	.01	7	.06	8	ND	ND	ND	ND	71	ND	ND	70
BH1-041	.2	2.08	ND	ND	90	3	.80	.1	14	26	15	3.22	.12	1.01	762	1	.01	6	.06	9	ND	ND	ND	ND	70	ND	ND	63
BH1-042	.4	2.13	4	ND	108	ND	.80	.1	15	45	27	3.47	.15	1.14	772	1	.01	9	.07	9	ND	ND	ND	1	61	ND	ND	67
BH1-44	.3	1.92	4	ND	90	ND	.66	.1	13	29	16	2.92	.11	.96	744	1	.01	6	.05	8	ND	ND	ND	ND	62	ND	ND	65
BH1-45	.2	1.82	ND	ND	93	ND	.63	.1	13	26	16	3.15	.12	.93	696	1	.01	5	.05	8	ND	ND	ND	ND	57	ND	ND	55
BH1-46	.2	2.00	ND	ND	101	ND	.65	.1	14	23	16	3.13	.11	.91	822	2	.01	12	.05	11	ND	ND	ND	ND	62	ND	ND	59
BH1-47	.2	2.02	ND	ND	91	ND	.69	.1	14	32	19	3.24	.11	1.02	813	1	.01	10	.06	8	ND	ND	ND	ND	58	ND	ND	67
BH1-48	.4	2.02	3	ND	86	ND	.76	.1	13	31	18	3.16	.13	.96	770	1	.01	8	.05	9	ND	ND	ND	1	65	ND	ND	64
BH1-49	.1	2.74	ND	ND	79	4	.85	.1	14	27	19	3.40	.08	1.33	660	ND	.01	7	.05	5	ND	ND	ND	ND	66	ND	ND	84
BH1-50	.1	3.34	ND	ND	84	ND	1.12	.1	14	18	25	3.29	.08	.96	757	ND	.01	5	.06	10	ND	ND	ND	ND	71	ND	ND	81
BH2-001	.1	6.30	4	ND	239	ND	1.33	.1	21	10	23	3.80	.12	1.13	950	1	.01	6	.08	10	ND	ND	ND	ND	115	ND	ND	81
BH2-002	.1	4.83	ND	ND	230	ND	1.13	.1	19	11	26	3.50	.11	.77	1029	1	.01	7	.10	14	ND	ND	ND	ND	106	ND	ND	87
BH2-003	.1	5.33	ND	ND	213	ND	1.54	.1	19	9	25	3.69	.13	.85	936	ND	.01	6	.08	11	ND	ND	ND	ND	105	ND	ND	85
BH2-004	.1	5.95	4	ND	231	ND	1.10	.1	23	9	26	3.54	.11	.75	948	1	.01	6	.11	10	ND	ND	ND	ND	102	ND	ND	86
BH2-005	.1	4.55	3	ND	178	ND	1.45	.1	16	10	22	3.58	.14	.79	902	2	.01	5	.07	13	ND	ND	ND	ND	88	4	ND	80
BH2-006	.1	6.29	3	ND	145	ND	2.34	.1	36	4	92	4.67	.17	.63	1130	2	.01	2	.20	13	ND	ND	ND	ND	77	5	ND	91
BH2-007	.1	4.79	ND	ND	160	ND	1.72	.1	13	15	27	3.45	.13	.83	854	1	.01	6	.07	11	ND	ND	ND	ND	82	ND	ND	72
BH2-008	.1	5.37	ND	ND	146	ND	2.17	.1	14	9	24	3.49	.14	.81	813	1	.01	6	.07	10	ND	ND	ND	ND	81	ND	ND	69
BH2-009	.1	6.33	4	ND	180	ND	1.54	.1	24	11	37	3.70	.13	.85	1022	1	.01	6	.13	16	ND	ND	ND	ND	101	ND	ND	85
BH2-010	.1	7.04	4	ND	150	ND	3.09	.1	15	9	24	3.69	.13	1.03	831	1	.01	6	.08	10	ND	ND	ND	ND	108	ND	ND	75
BH2-011	.1	5.33	ND	ND	173	ND	1.89	.1	16	9	19	3.72	.12	.86	988	1	.01	5	.07	11	ND	ND	ND	ND	83	ND	ND	83
BH2-012	.1	6.09	ND	ND	164	ND	2.45	.1	17	11	30	4.14	.14	1.04	963	2	.01	6	.08	10	ND	ND	ND	ND	91	ND	ND	88
BH2-013	.1	6.19	3	ND	119	ND	2.88	.1	13	7	23	3.60	.15	1.04	712	1	.01	3	.06	11	ND	ND	ND	ND	91	ND	ND	67
BH2-014	.1	7.63	10	ND	89	ND	3.57	.3	25	15	57	4.41	.17	1.43	858	4	.01	9	.08	14	ND	ND	ND	ND	129	ND	ND	80
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



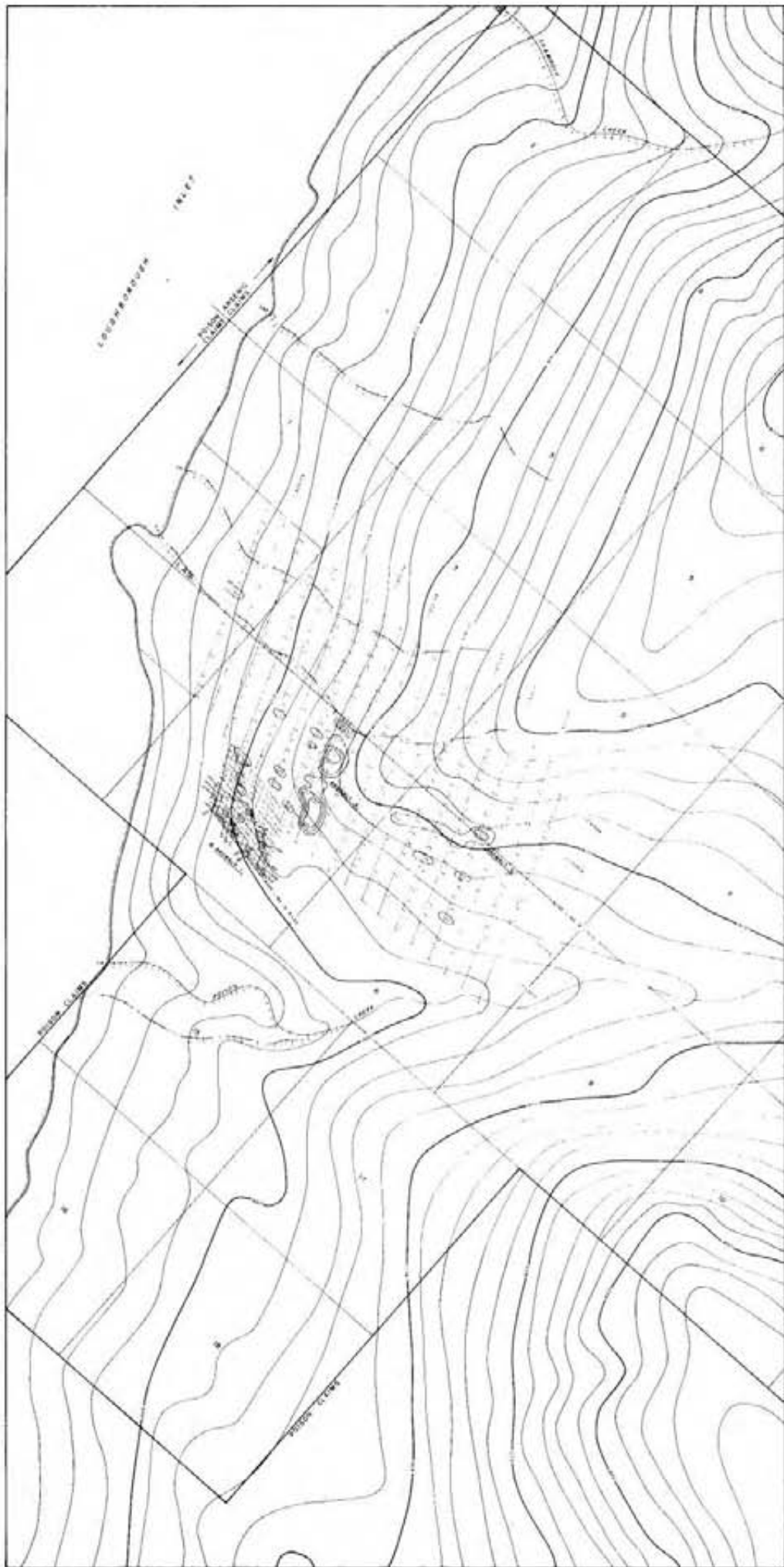
SAMPLE NAME	AG PPH	AL %	AS PPH	AU PPH	BA PPH	BI PPH	CA %	CD PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	NM PPH	NO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SH PPH	SR PPH	U PPH	V PPH	ZN PPH	
SR2-015	.1	3.18	ND	ND	120	ND	.93	.1	12	6	18	2.77	.08	.51	695	1	.01	7	.05	10	ND	ND	ND	ND	52	ND	ND	54	
SR2-016	.1	2.06	ND	ND	122	ND	.32	.1	9	5	7	2.79	.07	.34	808	ND	.01	3	.04	6	ND	ND	ND	ND	35	ND	ND	52	
SR2-017	.1	2.57	3	ND	142	ND	.39	.1	8	3	9	2.12	.06	.30	689	ND	.01	3	.06	10	ND	ND	ND	ND	49	ND	ND	52	
SR2-018	.1	2.45	ND	ND	139	ND	.38	.1	10	3	10	2.83	.07	.36	798	ND	.01	2	.05	9	ND	ND	ND	2	40	ND	ND	59	
SR2-019	.1	2.02	3	ND	133	ND	.41	.3	8	3	14	2.15	.06	.34	448	1	.01	2	.05	8	ND	ND	ND	ND	44	ND	ND	51	
SR2-020	.1	2.16	ND	ND	123	ND	.34	.1	9	3	8	2.54	.07	.41	629	ND	.01	2	.04	8	ND	ND	ND	1	39	ND	ND	53	
SR2-021	.1	3.40	3	ND	74	ND	.29	.1	7	2	16	3.40	.08	.38	310	ND	.01	1	.05	5	ND	ND	ND	ND	28	ND	ND	63	
SR2-022	.1	2.25	ND	ND	120	ND	.32	.1	9	4	7	3.11	.08	.34	879	ND	.01	ND	.05	8	ND	ND	ND	ND	34	ND	ND	61	
SR2-024	.1	2.31	5	ND	143	ND	.34	.1	10	2	7	2.56	.07	.44	841	ND	.01	1	.05	5	ND	ND	ND	ND	40	ND	ND	63	
SR2-025	.1	1.97	ND	ND	144	ND	.34	.1	8	3	7	2.50	.08	.44	644	ND	.01	1	.04	4	ND	ND	ND	1	41	ND	ND	64	
SR2-026	.1	2.09	ND	ND	136	ND	.32	.1	9	5	7	2.70	.08	.45	744	ND	.01	2	.04	7	ND	ND	ND	2	35	ND	ND	58	
SR2-027	.1	4.44	ND	ND	60	ND	.15	.1	7	7	16	3.02	.07	.41	255	ND	.01	2	.04	9	ND	ND	ND	ND	13	ND	ND	27	
SR2-028	.1	3.44	ND	ND	113	ND	.22	.1	14	3	11	2.77	.06	.34	1061	ND	.01	1	.07	6	ND	ND	ND	ND	29	ND	ND	52	
SR2-029	.1	2.08	ND	ND	146	ND	.32	.1	8	3	6	2.65	.08	.44	692	ND	.01	1	.04	4	ND	ND	ND	ND	40	ND	ND	60	
SR2-030	.1	2.20	ND	ND	170	3	.34	.1	9	2	6	2.74	.10	.52	752	ND	.01	1	.05	6	ND	ND	ND	5	47	ND	ND	63	
SR2-031	.1	2.43	5	ND	141	ND	.36	.2	9	2	6	2.56	.08	.38	961	ND	.01	1	.06	10	ND	ND	ND	ND	39	ND	ND	68	
SR2-032	.1	1.98	ND	ND	153	ND	.31	.1	8	1	5	2.46	.08	.46	676	ND	.01	ND	.04	5	ND	ND	ND	4	42	ND	ND	56	
SR2-033	.1	3.09	3	ND	101	ND	.20	.1	12	2	9	2.49	.05	.31	954	ND	.01	ND	.06	6	ND	ND	ND	ND	26	ND	ND	46	
SR2-034	.2	2.20	4	ND	151	ND	.32	.1	9	3	6	3.04	.10	.45	787	ND	.01	1	.05	9	ND	ND	ND	4	44	ND	ND	65	
SR2-035	.2	2.36	6	ND	148	ND	.39	.1	8	2	6	2.61	.10	.34	702	ND	.01	2	.05	10	ND	ND	ND	2	43	ND	ND	60	
SR2-036	.6	2.25	8	ND	144	3	.44	.4	9	3	7	2.06	.14	.30	917	ND	.01	7	.06	20	ND	ND	ND	4	6	44	16	ND	67
SR2-037	.1	2.40	ND	ND	150	ND	.46	.1	8	2	6	2.27	.07	.32	944	ND	.01	4	.06	11	ND	ND	ND	ND	53	ND	ND	61	
SR2-038	.1	2.45	ND	ND	153	ND	.34	.1	10	3	6	3.20	.08	.48	917	ND	.01	2	.05	7	ND	ND	ND	1	39	ND	ND	70	
SR2-039	.1	2.40	ND	ND	138	ND	.30	.1	9	3	5	3.20	.08	.40	886	ND	.01	1	.05	9	ND	ND	ND	2	34	ND	ND	59	
SR2-040	.3	2.40	6	ND	124	ND	.32	.1	9	3	5	2.97	.11	.30	937	ND	.01	1	.05	12	ND	ND	ND	ND	35	ND	ND	62	
SR2-041	.6	1.81	8	ND	128	4	.30	.1	8	3	5	3.00	.16	.44	646	ND	.01	1	.05	11	ND	ND	ND	3	5	33	10	ND	61
SR2-043	.1	2.12	5	ND	136	ND	.44	.1	7	3	5	2.67	.10	.44	664	ND	.01	1	.04	8	ND	ND	ND	7	35	ND	ND	60	
T-001	.1	2.54	ND	ND	160	ND	.35	.1	9	3	6	2.81	.10	.46	817	ND	.01	1	.05	9	ND	ND	ND	1	42	ND	ND	65	
T-002	.3	2.83	4	ND	49	ND	.35	.3	14	35	22	3.50	.08	.50	434	2	.01	28	.05	10	ND	ND	ND	ND	26	ND	ND	71	
T-003	1.2	2.27	7	ND	34	ND	.20	.4	12	27	22	2.47	.17	.41	386	1	.01	23	.03	17	ND	ND	7	4	17	29	ND	56	
T-004	.6	2.87	3	ND	138	5	.36	.5	16	7	25	3.04	.12	.93	613	1	.01	15	.04	9	ND	ND	ND	11	36	ND	ND	59	
T-005	.3	3.37	10	ND	36	ND	.36	.5	11	19	17	2.95	.10	1.31	436	4	.01	47	.04	16	ND	ND	ND	ND	26	ND	ND	66	
T-006	.8	1.91	6	ND	95	ND	.41	.2	8	8	11	3.30	.12	.64	225	2	.01	12	.03	12	ND	ND	3	22	23	ND	3	30	
T-007	.2	5.54	9	ND	55	ND	.10	.1	3	4	9	2.42	.08	.19	131	1	.01	ND	.04	18	ND	ND	ND	18	ND	ND	19	19	
T-008	.1	3.72	ND	ND	1230	4	.79	.6	10	11	26	2.47	.12	2.22	840	ND	.01	18	.06	13	ND	ND	ND	ND	342	ND	4	93	
T-009	.3	5.29	10	ND	38	ND	.13	.1	7	8	18	3.20	.10	.44	235	1	.01	6	.04	20	ND	ND	ND	ND	13	ND	ND	29	
T-010	.8	3.02	5	ND	31	ND	.08	.2	6	5	13	3.00	.08	.22	244	ND	.01	2	.03	12	ND	ND	ND	ND	9	ND	ND	20	
T-011	.1	3.00	6	ND	34	ND	.07	.2	5	4	10	2.58	.06	.19	325	1	.01	ND	.08	11	ND	ND	ND	ND	8	ND	ND	26	
T-012	.4	3.40	10	ND	29	ND	.07	.3	4	4	11	2.33	.08	.15	228	ND	.01	1	.08	14	ND	ND	ND	ND	7	ND	ND	21	
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1	

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BT PPM	CA %	CO PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	BB PPM	BN PPM	BR PPM	V PPM	W PPM	ZN PPM
T-013	.1	5.32	4	ND	28	ND	.10	.1	6	5	16	2.97	.04	.26	236	ND	.01	3	.95	4	ND	ND	ND	ND	9	ND	ND	31
T-014	.3	4.33	6	ND	29	ND	.08	.1	5	4	12	2.77	.07	.17	154	1	.01	2	.04	8	ND	ND	ND	ND	11	ND	ND	29
T-015	.2	5.47	3	ND	44	ND	.11	.1	7	5	18	3.37	.07	.30	269	ND	.01	2	.04	7	ND	ND	ND	ND	11	ND	ND	44
T-016	.9	2.79	4	ND	45	4	.07	.1	6	6	15	4.04	.11	.11	110	ND	.01	3	.03	12	ND	ND	ND	4	13	4	ND	22
T-017	.1	7.14	6	ND	48	ND	.17	.1	6	2	15	3.49	.08	.30	336	1	.01	1	.07	4	ND	ND	4	ND	23	ND	ND	42
T-018	.2	6.50	ND	ND	81	ND	.16	.2	8	6	30	2.87	.08	.34	442	1	.01	4	.00	9	ND	ND	ND	ND	25	ND	ND	46
T-019	.3	6.17	ND	ND	81	ND	.16	.1	7	6	26	2.95	.08	.35	379	ND	.01	2	.07	8	ND	ND	3	ND	24	ND	ND	54
T-020	1.1	2.83	7	ND	82	4	.32	.1	11	10	19	4.52	.14	.74	484	1	.01	5	.04	16	ND	ND	ND	5	41	7	3	55
T-021	.5	2.09	6	ND	32	ND	.19	.1	5	6	15	4.07	.08	.13	117	1	.01	3	.02	8	ND	ND	ND	5	22	ND	ND	25
T-021 <i>T-023</i>	.3	4.08	4	ND	94	ND	.28	.1	10	6	16	3.74	.10	.73	433	ND	.01	4	.04	8	ND	ND	ND	ND	54	ND	ND	50
T-023	.3	3.70	ND	ND	49	ND	.22	.1	9	8	18	4.02	.11	.60	330	ND	.01	7	.03	6	ND	ND	ND	ND	30	ND	ND	47
T-024	.3	2.70	4	ND	42	ND	.22	.1	9	8	17	4.12	.11	.46	260	ND	.01	4	.03	6	ND	ND	ND	2	30	ND	3	40
T-025	.1	2.18	4	ND	49	ND	.22	.1	11	6	10	2.66	.08	.27	1324	ND	.01	1	.05	9	ND	ND	ND	ND	25	ND	ND	46
T-026	.1	1.77	ND	ND	60	ND	.20	.1	11	6	8	2.88	.08	.34	1134	ND	.01	4	.04	6	ND	ND	ND	ND	21	ND	ND	40
T-027	.1	3.66	3	ND	81	ND	.17	.1	11	6	15	3.08	.08	.56	673	ND	.01	3	.05	5	ND	ND	ND	ND	18	ND	ND	50
T-028	.8	1.74	10	ND	93	ND	.20	.2	10	6	13	2.65	.16	.44	623	1	.01	4	.03	14	ND	ND	ND	4	21	18	ND	57
T-029	.2	2.12	6	ND	100	ND	.25	.1	8	6	15	2.17	.10	.55	387	ND	.01	7	.05	7	ND	ND	ND	2	25	ND	ND	50
T-030	.4	2.08	7	ND	104	ND	.27	.2	6	4	12	1.53	.10	.25	451	1	.01	3	.10	15	ND	ND	ND	2	33	ND	ND	56
T-031	.5	1.31	7	ND	98	ND	.28	.1	7	2	9	1.83	.11	.17	1124	ND	.01	3	.05	19	ND	ND	ND	3	29	7	ND	48
T-032	.3	1.45	6	ND	77	ND	.16	.1	9	2	5	2.18	.11	.20	1213	ND	.01	3	.04	11	ND	ND	ND	3	17	ND	ND	49
T-033	.2	5.30	ND	ND	61	ND	.11	.1	6	5	14	3.50	.11	.34	237	1	.01	9	.03	19	ND	ND	3	ND	11	ND	ND	32
T-034	.2	5.33	ND	ND	45	ND	.08	.1	6	5	10	3.12	.10	.29	218	ND	.01	6	.03	11	ND	ND	ND	ND	9	ND	ND	24
T-035	.5	2.42	6	ND	18	ND	.08	.1	5	3	11	3.57	.10	.08	96	ND	.01	2	.02	12	ND	ND	ND	4	9	ND	ND	13
T-036	.3	2.56	7	ND	23	ND	.03	.1	4	3	8	3.02	.10	.12	111	ND	.01	1	.03	14	ND	ND	ND	3	7	ND	ND	19
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



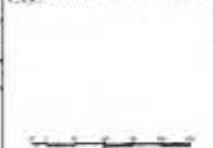






**LEGEND**

- Contour Lines
- Roads
- Water
- Buildings
- Power Lines
- Telephone Lines
- Fences
- Other



STINA RESOURCES LTD  
 ABBOTT & BROWN GROUP  
 1000 WEST 10TH AVENUE, SHERBOURNE, ONTARIO, CANADA  
 COPPER  
 GEOCHEMISTRY









PRECIOUS METALS EXPLORATION SERVICES LTD.  
#5 - 1749 East 17th Avenue  
Vancouver, B.C.

January 28, 1987

INVOICE NO. 1002

Don Pavlovitch  
Stina Resources Ltd.  
10th Floor - 1176 West Georgia St.  
Vancouver, B.C.

Re: Preliminary Exploration Program - Poison Creek Claim Group;  
Field Trip No.2 - December 30, 1986 to January 28, 1987; Line-  
cutting, Geological Mapping, Geochemical Survey, Preparation of  
Technical Reports..

Administration / Liability Insurance	\$ 2,500
Travel Expense / Transportation	
-vehicle rental - 3 week @ 250.	750
-boat rental - 22 days @ 195	4,290
-float plane charter (Cambell River to Poison Creek return; 1 trip)	525
Sub-total	<u>5,565</u>
Field Personnel	
Geologist	
-C. von Einsiedel - 3 days @ 325	975
-T. Briggs - 12 days @ 275	3,300
-T. Smithson - 13 days @ 275	3,575
Technicians	
-B. Stafford - 23 days @ 225	5,175
-S. Simon - 23 days @ 200	4,600
Sub-total	<u>17,625</u>

....2

POSTED

-2-

Contract Line Cutting	
-20 line kilometers @ 600 (surveyed)	\$ 12,000
Accommodation / Meals	
-74 man days @ 55	4,070
Equipment Rental / Field Supplies	
-chainsaw, misc. equipment	1,550
-geochem supplies, sample bags etc.	875
-fuel (diesel)	800
Sub-total	<u>3,225</u>
Geochemical Analysis	
-846 ICP determinations @ 14.50 (26 major and trace elements)	12,267
-32 Gravimetric Copper analyses @ 8.00	256
Sub-total	<u>12,523</u>
Research / Technical Reports	
-M. Magrum - 1 day @ 400	400
-C. von Einsiedel - 5 days @ 325	1,625
-T. Smithson - 5 days @ 275	1,375
-drafting	2,150
-secretarial, printing	775
-map reductions - 10 @ 21	210
Sub-total	<u>6,535</u>

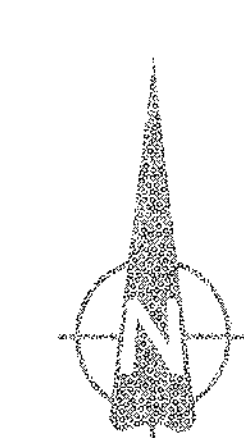
TOTAL THIS INVOICE \$64,043.

PRECIOUS METALS EXPLORATION SERVICES LTD.

  
C. von Einsiedel  
Project Geologist

POSTED





**LEGEND**

KARMUTSEN FORMATION  
META SEDIMENTS  
2a Argillites.

2b Banded Series.  
2c Limestone - Calcareous

PLUTONIC ROCKS  
DIORITES

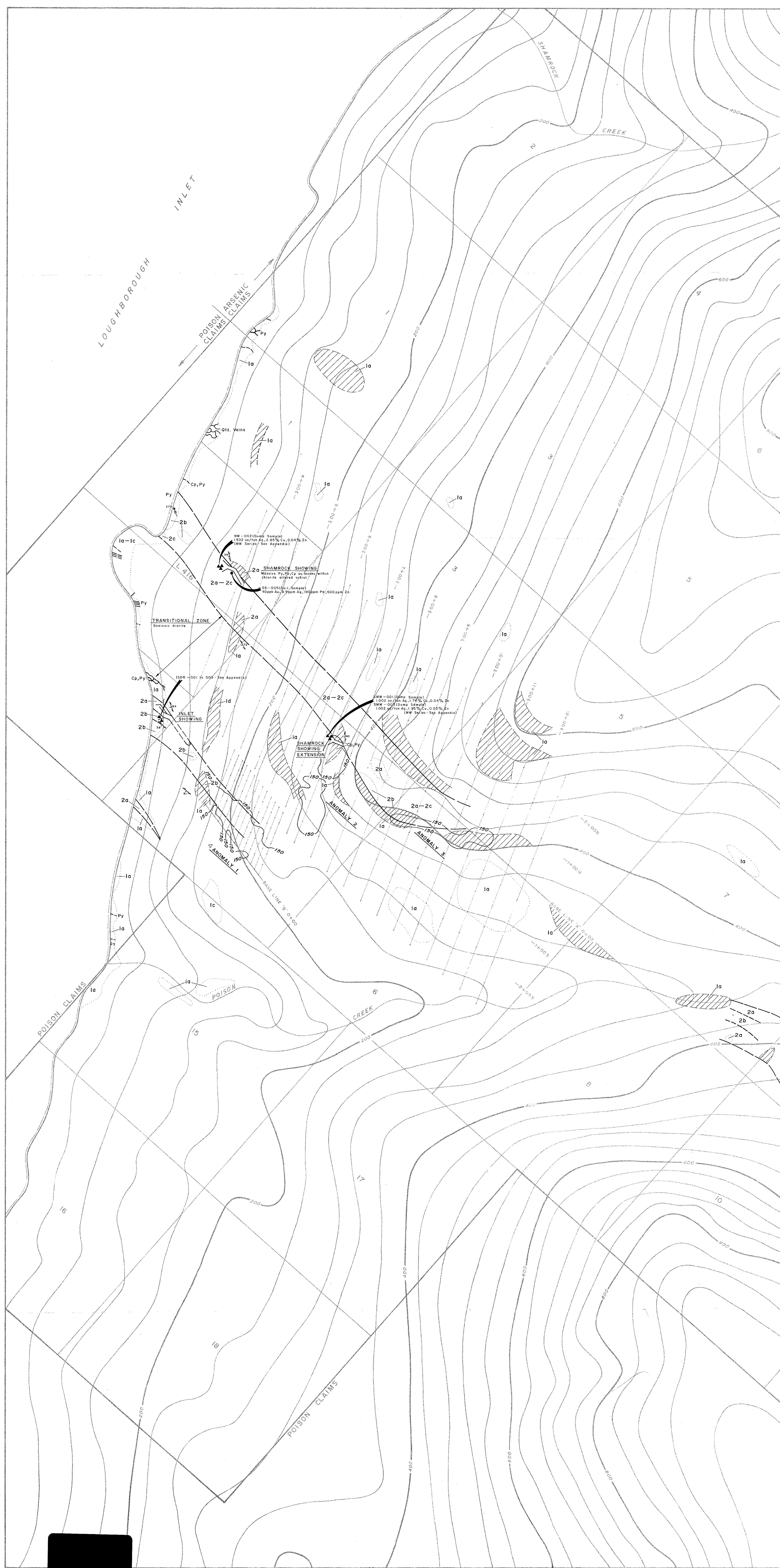
1a Diorites.  
1b Synite.  
1c Augite.  
1d Gneissic.

Diabase Dykes.  
Pegmatite Veins.  
Quartz Veins.

Py. Pyrite.  
Ps. Pyrrhotite.  
Cp. Chalcopyrite.

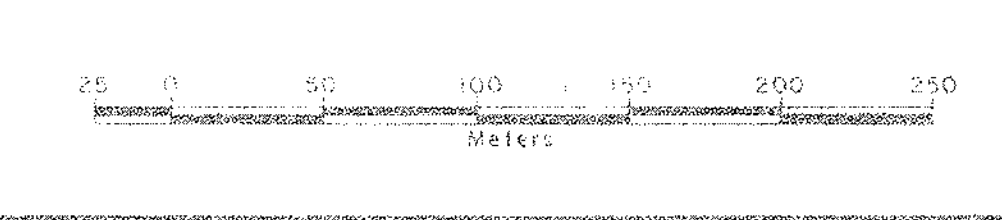
**SYMBOLS**

Geological Boundary - Assumed, Approximate.  
Strike & Dip.  
Outcrop.  
Cliffs.



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**17,161**

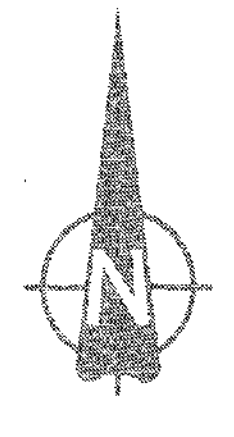


STINA RESOURCES LTD.  
ARSENIC & POISON CLAIM GROUPS  
VANCOUVER MINING DIVISION - BRITISH COLUMBIA

**PROPERTY GEOLOGY  
&  
COMPILATION MAP**

PRECIOUS METALS EXPLORATIONS LTD. VANCOUVER, B.C. DATE: 16th 1987 P.C. No. 4a



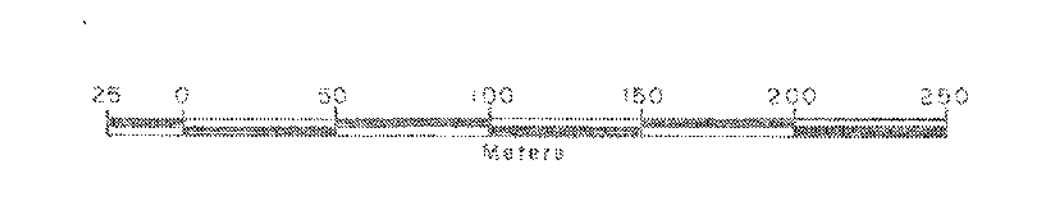


**LEGEND**  
 10 12.15.50  
 Au298 Ag34.2Znppm  
 Single Point Silver Geochron Anomaly

**NOTE**  
 See Figure 4a For Geology Legend.  
 Contour Interval - 100 Feet.

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

**17,161**

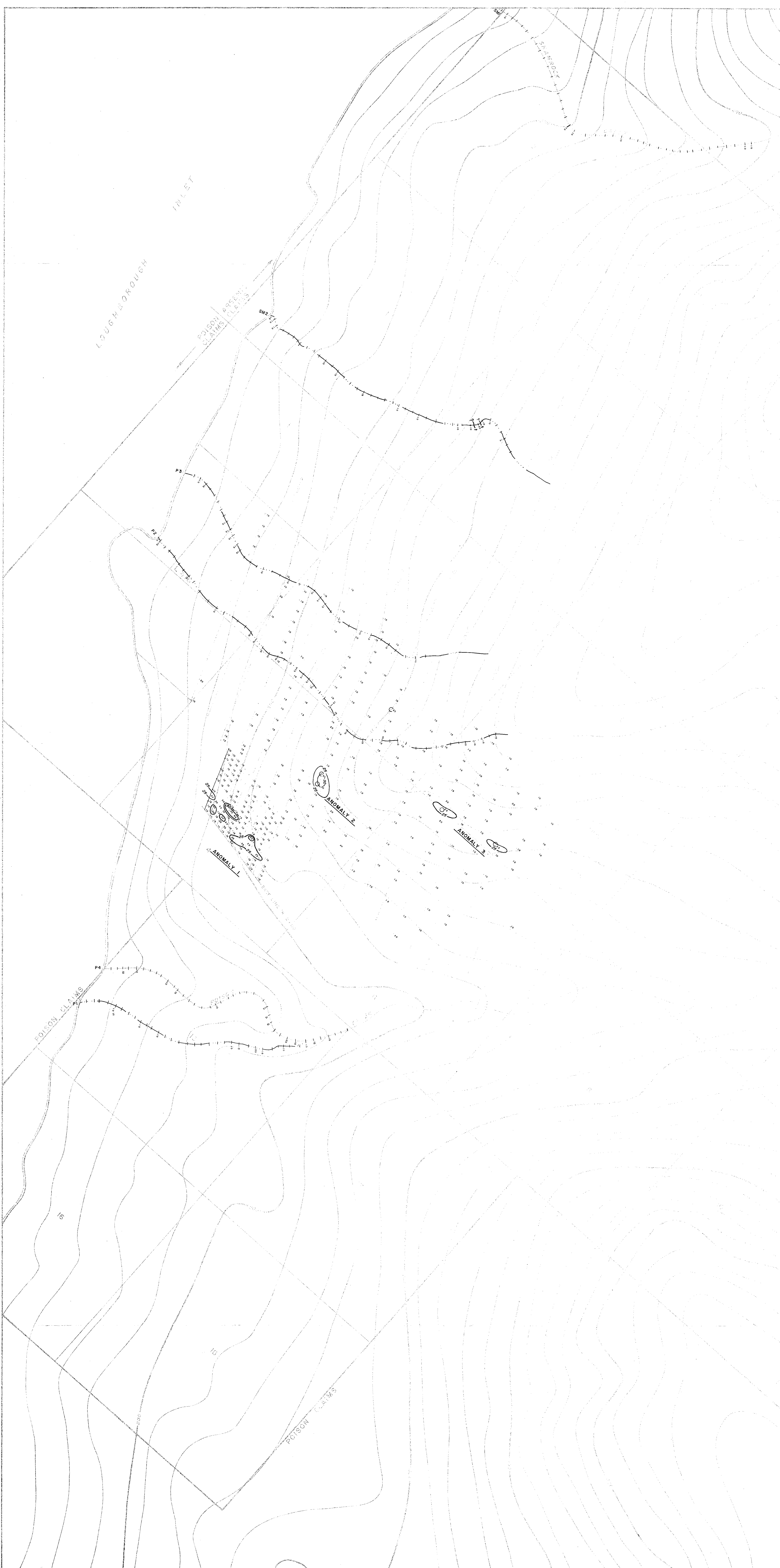


STINA RESOURCES LTD.  
 ARSENIC & POISON CLAIM GROUPS  
 VANCOUVER MINING DIVISION - BRITISH COLUMBIA

**PROPERTY GEOLOGY  
 &  
 COMPILATION MAP**

PRECIOUS METALS EXPLORATIONS LTD. VANCOUVER, B.C.	DRAWN BY: T.V. CHECK BY: DATE: JAN. 1987	FIG. NO. <b>4b</b>
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**LEGEND**

- Point Anomaly
- Possibly Anomalous 25ppb.
- Probably Anomalous 30ppb.
- Definitely Anomalous >30ppb.
- Soil } Sample site, Au plotted > 5 ppb.
- Silt }
- Survey grid line
- +—+— Creek, Sample station
- Claim boundary.
- Topographical contours, (contour interval 40 metres.)

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**17,161**

MINERAL RESOURCES LTD  
AROMATIC - POISON CLAIM GROUP

**GOLD  
GEOCHEMISTRY**



**LEGEND**

- Point Anomaly
- Possibly, Anomalous 150 to 300 ppm.
- Probably, Anomalous 301 to 500 ppm.
- Definitely, Anomalous > 500 ppm.
- Soil } Sample site, Cu ppm.
- x- Silt }
- Survey grid line.
- + + + Creek, Sample station.
- Claim boundary.
- Topographical contours, (contour interval 40 metres.)

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**17,161**

SPINA R SOURCE LTD  
ARSENIC & POISON CLAIM GROUP  
SHEET 17,161

COPPER  
GEOCHEMISTRY



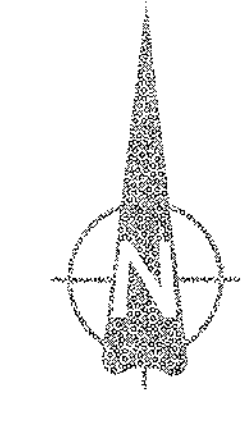
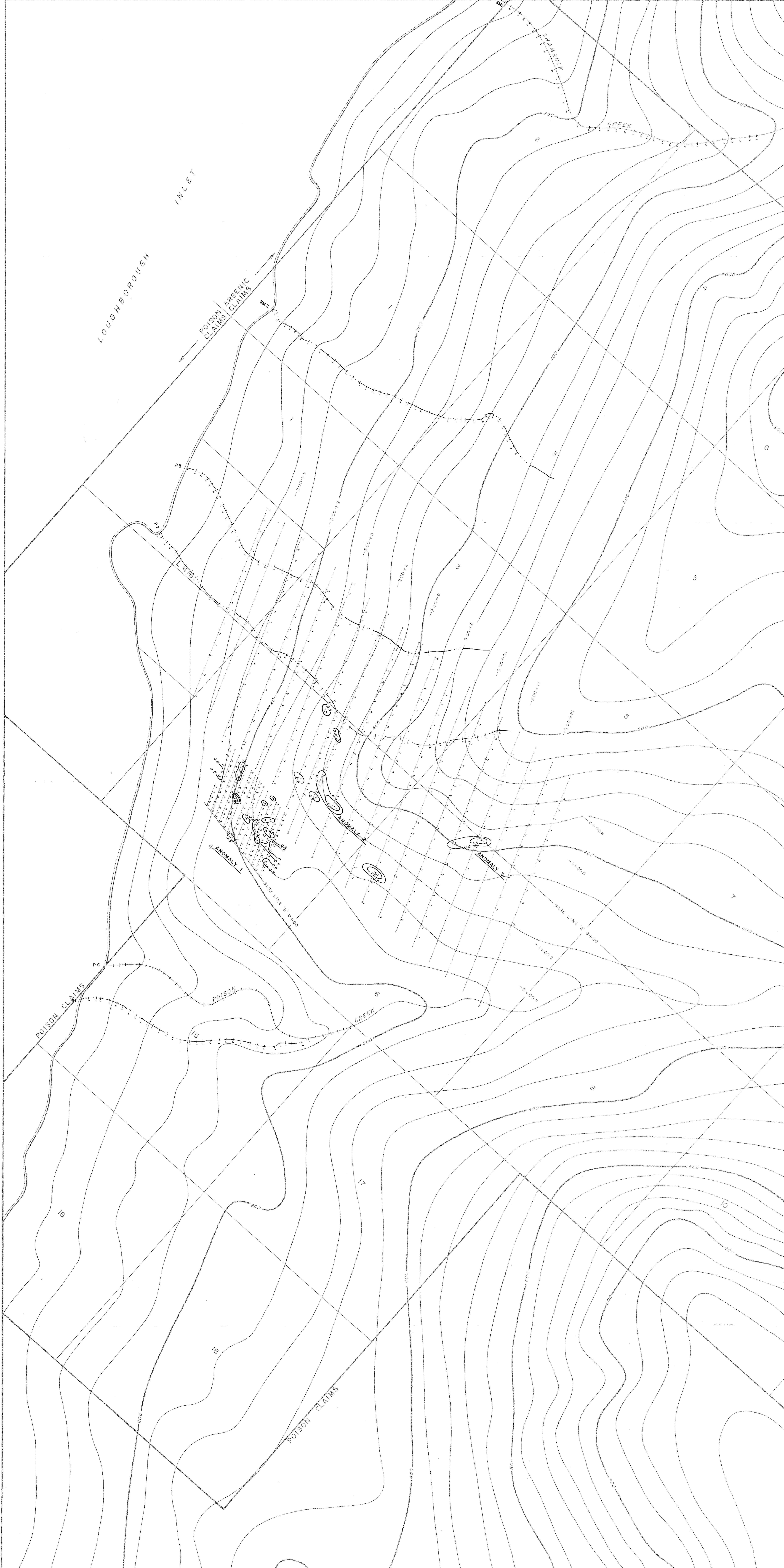


GEOLOGICAL BRANCH  
ASSESSMENT REPORT  
**17,161**

**LEGEND**

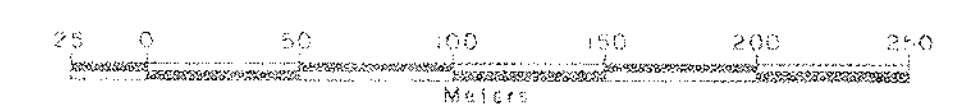
- Point Anomaly
- Possibly, Anomalous 150 to 300 ppm
- Probably, Anomalous 301 to 500 ppm
- Definitely, Anomalous > 500 ppm
- Soil } Sample site, Zn ppm.
- Silt }
- Survey grid line
- Creek, Sample station
- Claim boundary
- Topographical contours, (contour interval 40 metres.)





- LEGEND**
- Point Anomaly
  - Possibly Anomalous 0.5 to 1.0ppm
  - Probably Anomalous 1.1 to 5.0ppm
  - Definitely Anomalous > 5.0 ppm
  - Soil } Sample site, Ag ppm
  - Soil } Sample site, Ag ppm
  - Survey grid line.
  - +—+—+ Creek, Sample station.
  - Claim boundary.
  - Topographical contours, (contour interval 40 metres.)

GEOLOGICAL BRANCH  
ASSESSMENT REPORT  
**17,161**



STINA RESOURCES LTD.  
ARSENIC & POISON CLAIM GROUPS  
VANCOUVER MINING DIVISION - BRITISH COLUMBIA

SILVER  
GEOCHEMISTRY