ASSESSMENT REPORT

ON THE

MURRAY 90 AND INGRAM 90 GROUPS

NTS 82E/2W

Lat: 49° 02' N
Long: 118° ~~40~~ 48' W

20,536

Part 1 of 2

Minnova Inc.
Vancouver, B.C.

Linda Lee
October, 1990

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDICES

1.0 SUMMARY

The Murray 90 and Ingram 90 Groups, part of the Rainbow - Tam O'Shanter property, contain a total of 20 mineral claims (186 units), located about 4 kilometres northwest of Midway, B.C. This report describes the summer 1990 work program on the Murray 90 and Ingram 90 Groups, covering geological mapping, rock and soil sampling, and geophysics of the Rainbow grid area.

The claims are underlain by volcanics and lesser sediments of the late Paleozoic (?) Knob Hill Group, intruded by Cretaceous and Jurassic dykes and stocks, and covered by Tertiary (Eocene) sediments and volcanics (plus related intrusives). The Tertiary volcanics and sediments form the western part of the Toroda Creek Graben in this portion of the property. A large southeast trending belt of altered serpentine occurs on the property, marking a pre-Triassic thrust fault. This belt of rocks is offset by a series of northeast trending Tertiary faults.

Alteration consists of listwanite alteration of the serpentine related to thrusting, probable Jurassic alteration and sulfide mineralization in the quartz-feldspar porphyry, and chalcedonic veining and pervasive alteration related to northeast trending Tertiary faults.

Rock sampling showed that mineralization related to the quartz-feldspar porphyry at the Midway Mine is the most attractive target to date on the property. Values to 2.8 g/t Au, 218 g/t Ag, 0.29% Pb and 0.33% Zn were returned from samples across a 4.5 metre zone of altered quartz-feldspar porphyry which included the Midway Mine shear zone.

Soil sampling revealed a large, northeast trending multielement (Au, Ag, As, Zn, Pb) anomaly to the east of the Midway Mine which has yet to be explained.

No significant conclusions resulted from the geophysical survey of the claims.

2.0 INTRODUCTION

2.1 Location, Access and Terrain

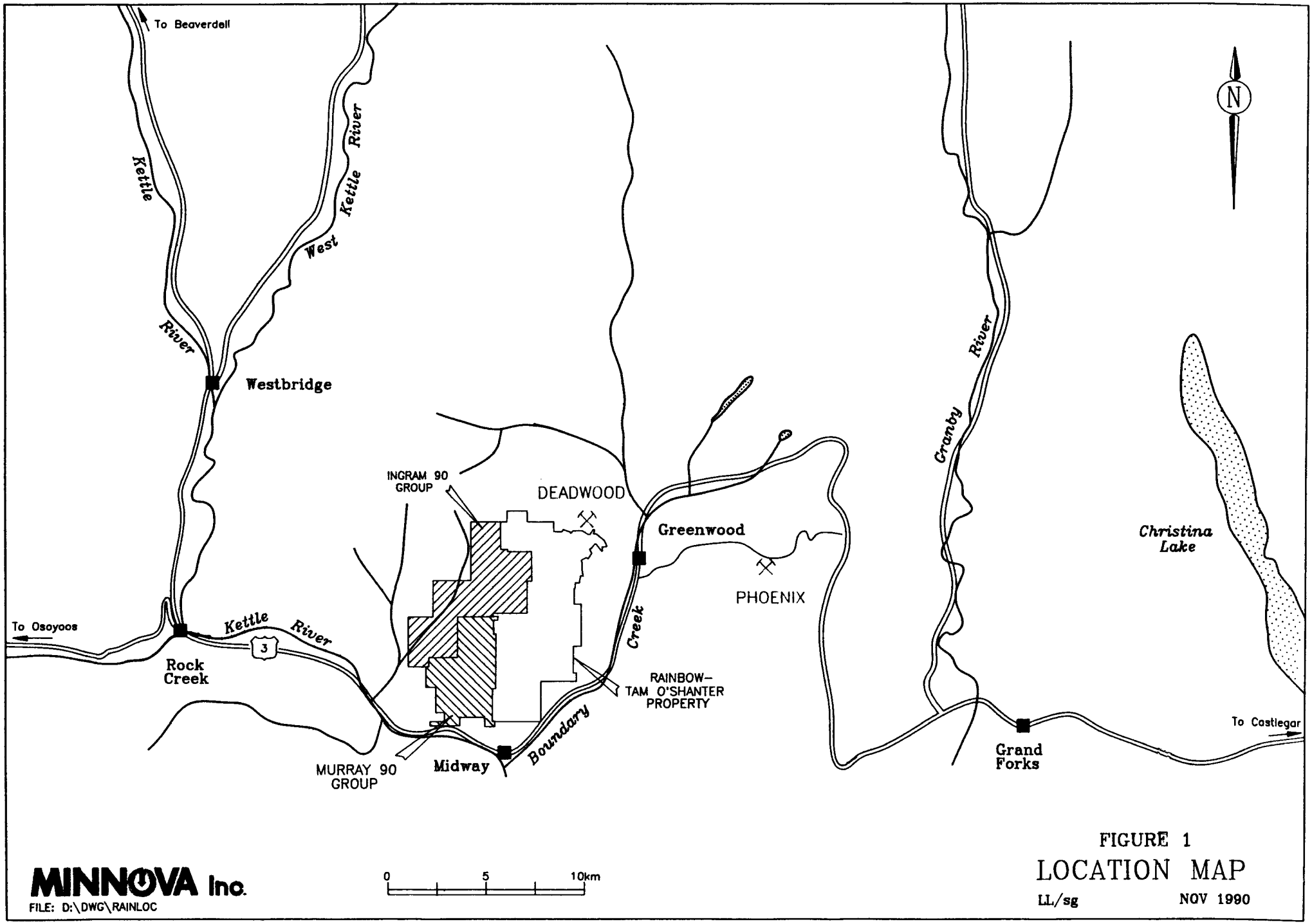
The Murray 90 and Ingram 90 Groups are located about 4 kilometres northwest of Midway, B.C. (see Figure 1). Access to the property is either via the Ingram Creek Road, which leaves Highway 3 just east of the Kettle Valley bridge or via the Murray Gulch road, which is accessed by turning north on Murray St. at the sharp highway curve in Midway, and passing through the Olsen and Bejoux farms. Numerous ranching and logging roads provide good access to the property.

The claims are situated on the south facing slope of the Kettle River valley and on the west facing slope of the Ingram Creek valley. Elevations range from 1470 metres in the north to 610 metres in the southern portion of the claim group. The terrain is hilly, with several steep cliffy sections. In the south, the property consists of open grassy slopes with little tree cover. To the north, the forest cover is moderate with mature pine and fir forest and minimal underbrush.

The climate is generally very dry, with hot summers and little rainfall. Snowfall is quite minimal, generally less than 0.75 metres. Water for drilling is available from Ingram Creek, or in wet years, from "Dry" Lake and several other small ponds on the Midway and MF claims.

2.2 Property and Ownership

The Murray 90 Group consists of 13 mineral claims (94 units), and the Ingram 90 Group 7 claims (92 units), as shown in Figure 2. Details of the claims and claim ownership are listed below.



MINNOVA Inc.

FILE: D:\DWG\RAINLOC

FIGURE 1

LOCATION MAP

LL/sg NOV 1990

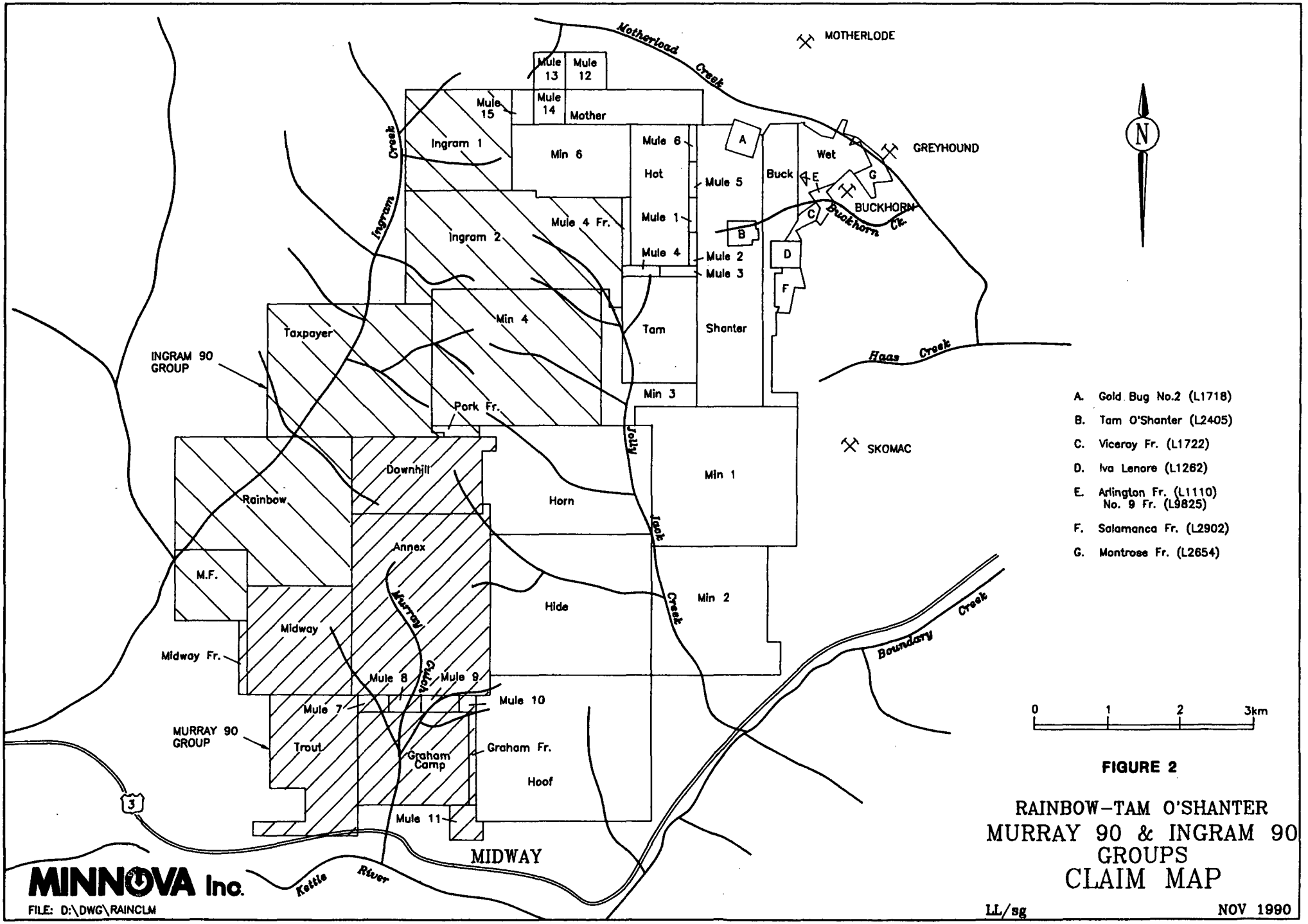


FIGURE 2

RAINBOW–TAM O'SHANTER MURRAY 90 & INGRAM 90 GROUPS CLAIM MAP

MINNOVA Inc.

FILE: D:\DWG\RAINCLM

LL/sg

NOV 1990

MURRAY 90 GROUP:

Claim Name	Units	Record #	Owner	Expiry Date *
Midway	9	472	D. Moore	08/16/95
Midway Fr.	1	3401	D. Moore	01/14/95
Annex	20	3402	Dentonia Res.	01/14/95
Graham Camp	18	3403	Dentonia Res.	01/14/95
Downhill	8	3405	Dentonia Res.	01/14/95
Trout	12	5206	Dentonia Res.	07/15/95
Hoof	20	5355	Dentonia Res.	02/18/95
Mule 7	1	5625	Kettle River Res.	01/08/95
Mule 8	1	5626	Kettle River Res.	01/08/95
Mule 9	1	5627	Kettle River Res.	01/08/95
Mule 10	1	5628	Kettle River Res.	01/08/95
Mule 11	1	5633	Kettle River Res.	01/08/95
Graham Fr.	1	5634	Kettle River Res.	01/11/95
	94			

INGRAM 90 GROUP:

Claim Name	Units	Record #	Owner	Expiry Date
MF	4	769	D. Moore	05/16/95
Rainbow	20	3404	Dentonia Res.	01/14/93
Ingram 1	9	5334	Dentonia Res.	01/06/93
Ingram 2	18	5335	Dentonia Res.	01/06/93
Taxpayer	20	5336	Dentonia Res.	01/10/93
Pork Fr.	1	5354	Dentonia Res.	02/17/93
Min 4	20	5618	Dentonia Res.	12/28/93
	92			

* after acceptance of this report

All claims are currently under option to Minnova Inc.

2.3 History

Although several known showings occur on the property, exploration in the past has been limited. The following is a summary of the history of work done on the claims.

pre 1950 - numerous pits are evidence of prospecting activity.

1960-1970 - D. Moore, of Greenwood, mines 19 tonnes of ore from the Midway Mine. Recoverable grades are 14 g/t Au, 1506 g/t Ag, 15% Pb, and 16% Zn. Underground development consists of 75 metres of drifting on 3 levels with 15 metres of raise and a small amount of open stoping.

1983 - Dentonia Resources/Kettle River Resources stake claims and option MF and Midway claims from D. Moore. Minor geological mapping, geochemistry and magnetometry done (Assessment Reports 11,466; 11,953).

1984 - Kerr Addison Mines options claims. Geological mapping and geochemistry done over a small part of the property (Assessment Report 13,561).

1987 - BP Resources Canada Ltd. options claims and completes program of mapping, geochemistry and 160 metres of diamond drilling in 2 holes (Assessment Report 17,162).

1988 - BP Resources Canada Ltd. continues work on claims. Detailed mapping done as well as geochemistry, mag, VLF/EM, and diamond drilling (302 metres in 2 holes). Only a small portion of the claims were tested by this program (Assessment Report 18,381).

1989 - BP Resources Canada Ltd. drops option on Rainbow property. Minnova Inc. examines property and completes small heavy mineral and rock sampling program (work filed for assessment, Lee, 1990).

1990 - Minnova Inc. signs option deal with Dentonia Resources, Kettle River Resources and D. Moore for the Rainbow and Tam O'Shanter properties. Work program described in this report is completed on the Murray 90 and Ingram 90 groups, within the Rainbow-Tam O'Shanter property, in the summer of 1990.

In addition to the above exploration for precious and base metals, over the years a small amount of ornamental chalcedony has been removed from the Picture Rock Quarry for lapidary purposes.

2.4 Summary of Work Done, 1990

Work done on the Murray 90 and Ingram 90 Groups during the summer of 1990 included geological mapping of 40.2 line kilometres of pre-cut grid (the Rainbow grid) and collection of 227 rock samples from the grid and from the Midway Mine - Picture Rock Quarry area. 1,825 soil samples were collected from the grid and analyzed for 31 elements plus gold, and 37 line kilometres of magnetometry and VLF-EM was run over the grid. Geological mapping and rock chip sampling was done by L. Lee, with assistance from G. Duso, M. Kirker, and R. Young. Soil sampling was done by G.Duso, M. Holmes, and M. Kirker, and geophysical data was collected by S. Lowe, of Quest Canada Exploration Services Inc. All work was done between May 10 and August 10, 1990. A total of 128 man days was spent on the property carrying out the above work program.

3.0 GEOLOGY

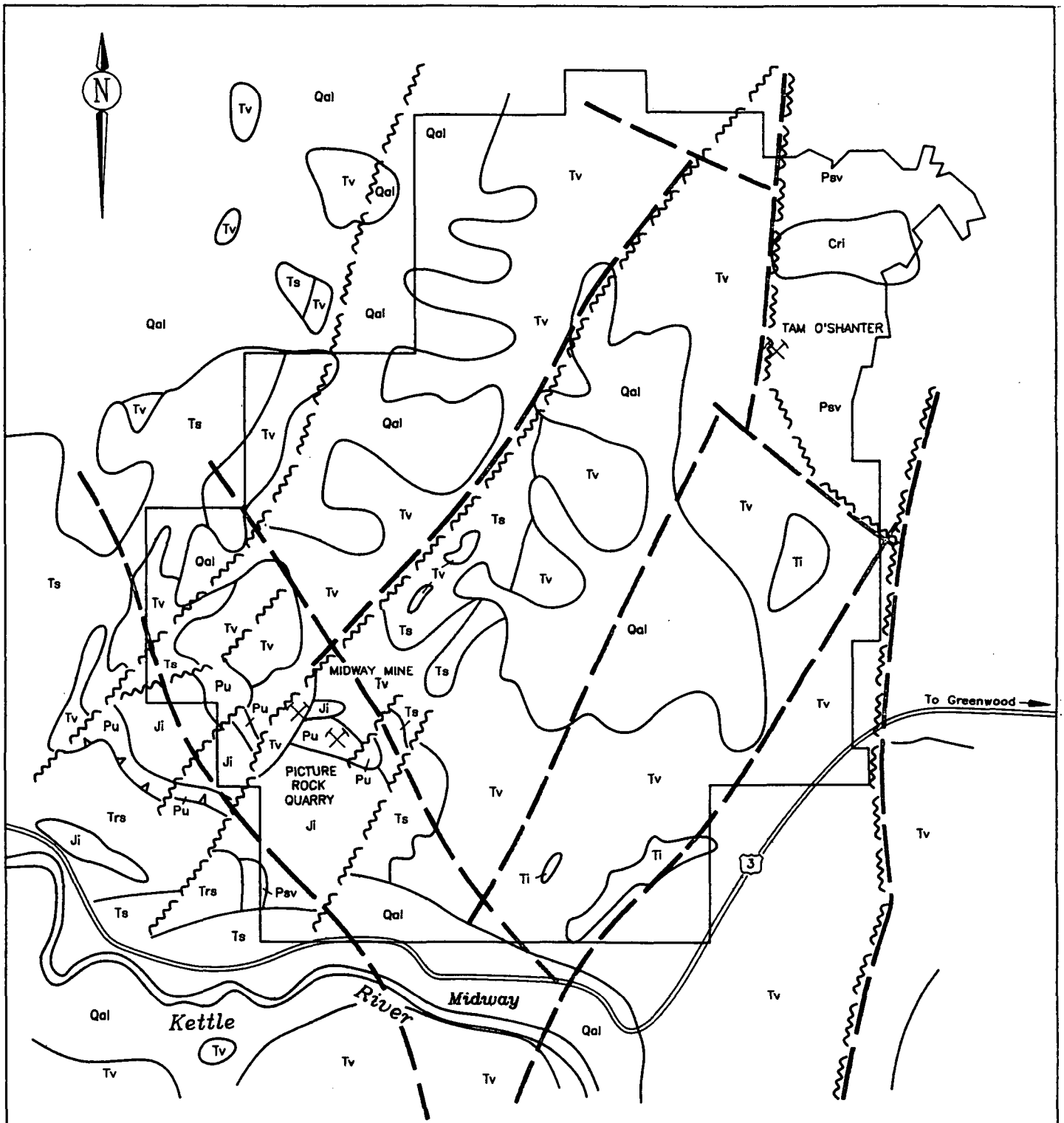
3.1 Regional Geology

The Greenwood area has been mapped on a regional basis by a number of people, most recently by Fyles (1990), and prior to this by Little (1983) and Church (1986). Although all these authors generally agree on the ages and distribution of the geological units, Fyles' work is the first to give an adequate interpretation explaining this distribution. His mapping shows that the pre-Tertiary rocks form a series of thrust slices, which lie above a basement high grade metamorphic complex. A total of five thrust slices are recognized, all dipping gently to the north, and bounded in many places by lenses and bodies of serpentine. While earlier mapping has interpreted these serpentinite bodies as ultramafic intrusions, Fyles shows them to belong to the Knob Hill Group of late Paleozoic age, and to represent part of a disrupted ophiolite suite. The common Fe-carbonate alteration of these serpentinites to listwanite is a result of the thrusting event.

The Knob Hill and Attwood Groups comprise the late Paleozoic rocks in the Greenwood Camp and consist of mainly chert, greenstone and serpentine, and argillite and limestone, respectively. Fyles interprets all these rocks to represent part of a disrupted ophiolite suite. Rocks of the Knob Hill and Attwood Groups are unconformably overlain by the Triassic Brooklyn Formation, represented largely by limestone, clastic sediments and pyroclastics. The majority of the skarn deposits in the Greenwood area are hosted within this unit.

Two separate intrusive events cut the above sequence, the probable Jurassic aged Lexington porphyry, and the Cretaceous Nelson Intrusions. Tertiary sediments and volcanics unconformably overly the older rocks, their distribution largely controlled by a series of extension faults.

The Rainbow property covers a portion of the Toroda Creek graben and is largely underlain by mid-Eocene volcanics and sediments (see Figure 3). In the southwest area of the property,



LEGEND

Qal	Quaternary Alluvium	~~~ ~~~	Major Faults
Tv	Tertiary Volcanics	——— ———	Airomag Structures
Ts	Tertiary Sediments		
Cri	Cretaceous (Nelson) Intrusives		
Ji	Jurassic Intrusives		
Trs	Triassic Sediments (Brooklyn Formation)		
Psv	Permian Sediments & Volcanics (Knob Hill Group)		
Pu	Permian Ultramafics (Knob Hill Group)		

FIGURE 3

0 1 2 3 4 5km

RAINBOW–TAM O'SHANTER
PROPERTY GEOLOGY

MINNOVA Inc.

FILE: D:\DWG\GEOTAMO

LL/sg

NOVEMBER 1990

a large intrusion shown regionally as the Lexington quartz-feldspar porphyry occurs, flanked on the north and south by roughly east-west trending, north dipping bodies of serpentine. A number of steeply NE dipping, NE trending Tertiary faults cut the above strata (Fyles, 1990).

3.2 Property Geology

The Rainbow grid was mapped at a scale of 1:2500, as shown in Figure 4. More detailed mapping was done in the area of the Picture Rock Quarry and Midway Mine. A 1:1000 map of this area is included as Figure 5.

3.2.1 Lithologies

During the course of mapping, six distinct geological units, and a number of sub-units, were recognized. A geological legend of the property is shown below, listing these rock types.

TERTIARY - EOCENE
Unit 6 Marron Formation
- 6b - Marron intrusives
- 6a - Marron volcanics

Unit 5 Kettle River Formation
- 5b - sandstone/tuff
- 5a - conglomerate

CRETACEOUS
Unit 4 Nelson Plutonic Complex

JURASSIC
Unit 3
- 3d - Quartz Feldspar Porphyry intrusive
- 3c - Coarse Feldspar Porphyry intrusive
- 3b - Crowded Feldspar Porphyry intrusive
- 3a - Microdiorite intrusive

LATE PALEOZOIC - CARBONIFEROUS OR PERMIAN

Unit 2 Knob Hill Group, mainly intermediate to mafic volcanics, lesser cherts and tuffs.

Unit 1 Serpentine - Knob Hill Group
1c - carbonate altered serpentine (listwanite)
1b - talc altered serpentine
1a - dark green unaltered serpentine

The following table gives average chemical compositions for the major rock types.

	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOTAL %	LOI %
Unit 6b – Marron intrusives														
Subvolc	14.62	0.138	8.33	5.5	3.31	3.35	0.1	3.38	0.36	55.83	0.84	0.04	95.74	3.2
Dykes	15.98	0.13	3.66	5.07	2.97	3.08	0.09	3.7	0.33	58.26	0.81	0.03	94.1	4.8
Unit 6a – Marron volcanics														
Lower flow	15.64	0.285	3.96	5.72	6.59	2.48	0.1	3.04	0.37	56.3	0.96	0.03	95.49	3.35
Middle flow	15.79	0.283	6.26	6.3	4.65	4.13	0.13	3.69	0.78	51.44	0.94	0.06	94.43	4.45
Upper flow	15.81	0.15	5.95	7	3.37	3.32	0.12	2.83	0.5	53.65	0.95	0.05	93.68	5.5
Unit 5b – Kettle River Formation														
Tuff/sst	14.86	0.138	0.84	2.23	3.36	0.53	0.04	4.63	0.1	69.7	0.41	0.01	96.82	2.2
Unit 4 – Nelson intrusives														
Dior dyke	16.3	0.11	5.31	4.44	2.09	1.76	0.14	2.16	0.18	58.87	0.46	0.05	91.86	7.3
Unit 3d – Quartz Feldspar Porphyry														
	16.88	0.05	3.59	4.01	0.61	2.29	0.08	4.9	0.11	62.24	0.37	0.03	95.16	3.9
Unit 3c – Coarse Feldspar Porphyry														
	16.94	0.035	4.2	5.57	1.7	2.42	0.14	5.32	0.25	55.4	0.7	0.05	92.71	6.5
Unit 3a – Microdiorite														
	15.5	0.09	7.26	5.62	2.11	2.8	0.14	2.94	0.25	53.95	0.66	0.08	91.4	7.6
Unit 2 (?) – Knob Hill volcanics														
	15.11	0.04	7.04	8.68	0.93	5.98	0.19	3.57	0.4	46.57	0.99	0.09	89.57	9.5
Unit 1c – Strong carbonate altered serpentine (listwanite)														
	0.85	0.005	18.39	5.15	0.13	13.54	0.19	0.07	0.21	21.14	0.02	0.2	67.88	30.8
Unit 1a – Dark green, unaltered serpentine														
	0.94	0.005	0.14	9.66	0.34	34.14	0.13	0.05	0.22	37.46	0.04	0.03	83.17	15.1

The oldest rocks exposed on the grid belong to the Carboniferous or Permian Knob Hill group. While large areas of Knob Hill Group chert and greenstone (Unit 2) are known on the property, immediately south of the Rainbow grid, and to the northeast on the Tam O'Shanter grid, surface mapping of the Rainbow grid identified only isolated pods of fine grained volcanics which may belong to this group. These pods occur within the microdiorite intrusive and are thought to represent large xenoliths or roof pendants caught up in the intrusion.

Rocks belonging to Unit 1 are very common in the grid area, however. The serpentine forms a well defined zone, striking northwest and dipping gently north, which runs diagonally through the grid. Generally the rocks in this belt show a very well developed foliation parallel to the trend of the zone. For the most part, this belt is composed of listwanite (Unit 1c) and is readily identifiable by the prominent orange coloured outcrops. Within the main listwanite belt are zones of less altered serpentine, either grey, banded talc-altered serpentine (Unit 1b), or dark green, strongly magnetic serpentine (Unit 1a). A large body of this dark green serpentine located on the bluff northeast of the Midway Mine contains small poddy zones of chromite. Numerous other zones of serpentine occur, generally tectonically emplaced along fault zones.

The belt of serpentine is thought to represent a major thrust contact, with the listwanite alteration a result of the thrusting event. The lower contact of the listwanite belt is now intrusive in nature, however, with sills of feldspar porphyry and quartz-feldspar porphyry intruding along the foliation. These intrusives are Jurassic in age and postdate the thrusting event. Tertiary sediments and volcanics unconformably overly the serpentine to the north.

Chemically and physically, the green, unaltered serpentines of Unit 1a are very distinct. The volatile content is high, giving a characteristically high Loss on Ignition. Magnesium content is

also very high, while the percentages of Al, Na, and Ca are low. Silica content tends to be in the range 35-38%. Alteration of the serpentine is gradational, from weak talc alteration to a rusty, orange listwanite. Typically, there is little, if any, magnetism left in the highly altered rocks. Alteration to listwanite is characterized by a marked decrease in MgO and Fe2O3 content, and an increase in CaO content. In the field, these rocks may be very fine grained and dense and appear to be silicified, however chemical analysis shows that silica is actually depleted. In intensely altered rocks, any signs of remnant foliation is a useful tool in identification.

A large intrusion of probable Jurassic age is exposed in the southern part of the grid. The main body is a fine grained microdiorite (unit 3a), dark grey to green in colour, with about 20% fine mafics, probably pyroxene, and rare feldspar phenocrysts, in a fine grained matrix. Locally, and especially near the borders, the intrusive grades into a coarser grained feldspar porphyry (3c) or to a crowded feldspar porphyry (3b). Dykes of Unit 3c are also seen intruding the serpentine, both along foliation and at steeper angles. The gradation in crystal size is felt to be largely a function of the cooling rate of the magma; no field evidence for a chronological order of emplacement was seen. Compositionally the coarser grained phases are similar to the microdiorite, but tend to be enriched in Na2O and depleted in K2O compared to the main body, a result of the increase in plagioclase content. All of the above phases may be weakly to moderately altered (propyllitic, silicified, clay altered); the alteration seems to be structurally controlled and postdates emplacement of the intrusion.

Cross-cutting the main intrusive body and occurring as sheet-like bodies intruding along the foliation in the serpentines, is a coarse grained quartz-feldspar porphyry (unit 3d). This intrusive is likely a late stage pulse from the same source as the microdiorite. Compositionally the quartz-feldspar porphyry is much

higher in SiO2 than the microdiorite, and shows the same Na2O enrichment and K2O depletion as the feldspar porphyry. In hand specimen, unit 3d is typically coarse grained with approximately 5% quartz eyes and 10-20% feldspar phenocrysts, averaging 3-4 mm in size, hosted in a fine grained, pale grey-green matrix. Very commonly the rocks are altered, often intensely as at the Midway Mine. Typically this alteration consists of strong saussuritization of the feldspars and pervasive clay or quartz-pyrite-sericite alteration, and less commonly, strong silicification. The strong correlation between the alteration and the quartz-feldspar porphyry suggests that the intrusion of the porphyry is responsible for the alteration. At the Midway Mine, high grade massive sulfide shear zones are hosted within this unit. A probable Jurassic age is assigned to the porphyry because of its similarity to the Lexington porphyry, for which Church (1986) had a uranium-lead-zircon age date of early Jurassic.

Rocks belonging to Unit 4, intrusives of the Cretaceous Nelson Plutonic Complex, are rare in the grid area. One dyke(?) of medium grained diorite was seen cutting the microdiorite intrusion described above. Compositionally this dyke appears to be distinguishable from the older intrusion, being slightly lower in CaO, MgO and Fe2O3, and higher in SiO2 content.

Kettle River sediments of mid-Eocene age are exposed to the north of the main serpentine belt. Both coarse grained conglomerate (Unit 5a) and fine sandstone and tuffaceous sandstone (Unit 5b) are known. Unit 5a is typically a coarse conglomerate composed primarily of round to subround cobbles of microdiorite (about 30%) in a fine grained tuffaceous matrix containing 25% fine feldspar crystals. Compositionally, the conglomerate mimics the chemistry of the dominant clast type. Unit 5a represents the base of the Tertiary rocks in the area and is seen in several places unconformably overlying the serpentine.

Tuffaceous sediments belonging to the Kettle River Formation form a long, north trending, linear belt, bounded on either side

by Tertiary volcanics. The distribution of the sediments suggests a topographic control to deposition, possibly a channel fill deposit. The sediments are generally recessive and poorly exposed. Bedding is rare but where seen is gently to the east. In hand specimen, these rocks appear very felsic; chemical analysis suggests a rhyolite to rhyodacitic composition.

The youngest rocks exposed on the grid belong to the Tertiary Marron Formation. These rocks occur as dykes and subvolcanic intrusives (Unit 6b) and as fine grained mafic volcanics (Unit 6a), covering most of the northern part of the grid. The intrusive rocks of the Marron Formation are typically pale grey-brown, fine to medium grained, with 20-50% plagioclase, 15-25% mafics (pyroxene?), and 5% biotite visible in hand sample, and locally interstitial Kspar. Compositionally, these rocks are monzonites to syenites, bordering on nepheline syenites in large areas of subvolcanic intrusives.

The intrusives are gradational into the overlying Marron volcanic rocks. Several different flows can be recognized in the field, all andesitic to trachyandesitic in composition. The lowermost of these flows is pale brown in colour, fine grained and pyroxene (+minor feldspar and biotite) phyric. This flow is overlain by a coarser grained, grey-brown, pyroxene (?) phyric volcanic. Typically, this unit is andesitic in composition, although locally a pink Kspar rich matrix was observed. These volcanics are significantly higher in K_2O and CaO and lower in SiO_2 than the main flow. The uppermost flow seen in the grid area is a fine grained, dark grey-brown, locally feldspar phyric volcanic.

The Marron volcanics appear to postdate any mineralization or significant alteration, and as a result the breakdown of the volcanics into different flows is probably not important.

3.2.2 Structure

The Rainbow grid is cut diagonally by a southeast trending belt of serpentinite. As described above, within this belt the serpentine has largely been altered to listwanite. This alteration is presumed to be a result of a major thrusting event, where the base of the serpentine marks the basal thrust contact. Foliation in the listwanite indicates that the thrust fault dips gently to the northeast, about 10-25 degrees. Because of Jurassic intrusive activity postdating this thrusting event, the original nature of the contact cannot, however, be observed. Regional work in the Greenwood camp by Fyles (1990) suggests a pre-Triassic age to the thrusting event.

The other main structural feature of the grid area is a series of near vertical, northeast trending faults, all of which appear to down drop rocks on the west. These faults are Tertiary in age, probably mid-Eocene and predating the extrusion of the volcanics, but reactivated in part during and after volcanic activity.

A main arcuate fault, east-west to southeast trending, occurs in the draw to the west and north of the Picture Rock Quarry. This fault appears to postdate the northeast trending structures and down drops rocks on the southern side relative to those on the north.

Numerous smaller faults of various orientations are known, including one near vertical, east-west fault at the Midway Mine which is associated with the mineralization at the mine. This fault appears to be pre-Tertiary in age, being truncated by a large Marron dyke.

3.2.3 Alteration and Mineralization

Three main styles of alteration and mineralization are known within the grid area, Tertiary mineralization and chalcedonic veining such as that at the Picture Rock quarry, alteration and mineralization in Jurassic intrusives at the Midway Mine, and the alteration of the serpentine to form listwanite.

Alteration of the serpentine to listwanite is the earliest of the alteration events known on the property. This alteration is presumed to be a result of a major southeast trending, north dipping trust fault, pre-Triassic in age. A by-product of the listwanite alteration is the formation of quartz veins. Such white, crystalline quartz veins are common on the property but, to date, do not appear to be mineralized.

In the Midway Mine area, Jurassic quartz-feldspar porphyry sills and dykes intrude the serpentinite. Very commonly, these intrusives are altered, with saussuritized feldspars, pervasive clay or quartz-pyrite-sericite alteration, and less often, silicification. The very strong correlation between this alteration and the presence of the quartz-feldspar porphyry, not only at this location but elsewhere on the grid and in the Greenwood Camp, suggests that the emplacement of the intrusion was responsible for the alteration. Anomalous gold, silver, arsenic and antimony are common in strongly altered quartz-feldspar porphyry, as described in the following section. At the Midway Mine, steep massive sulfide (pyrite-arsenopyrite-galena-sphalerite-stibnite) shear zones are hosted within the altered intrusion, probably related to the above alteration event.

At the Picture Rock Quarry, epithermal chalcedonic quartz veins occur within feldspar porphyry intrusives and altered serpentinite. The veins are generally narrow, always less than 1 metre in width. Veins generally trend north to northeasterly, with dips commonly shallow to the east, although other orientations are known. Wall rock alteration adjacent to the veins is negligible. Typically the veins are banded, with white, grey and blue-green chalcedony and often contain large breccia clasts of the host rock. As described in the following section, the veins have a typical epithermal signature, with anomalous Au, Ag, As and Sb. Precious metal values tend to be sub-economic, however.

Similar chalcedonic veining is known elsewhere on the grid, the main occurrences being the ridge west of the Midway Mine, the

south nose of this ridge, and the ridge south of Dry Lake. Numerous other minor occurrences occur. Chalcedonic veins are known to cut all rocks of pre-Tertiary age. Although they have not been observed within sediments of the Kettle River Formation, similarities with other veins in the district (ie. Tam O'Shanter, Republic) suggest an Early Tertiary age to the mineralization, postdating the sediments but pre extrusion of the Marron volcanics.

Northeast trending Tertiary faults appear to largely control the location of the chalcedonic veining. Where these faults pass through the listwanite belt, the listwanite appears to be more intensely altered, possibly the result of Tertiary alteration superimposed on the earlier alteration of the serpentine.

4.0 ROCK GEOCHEMISTRY

A total of 227 rock samples was collected from the Rainbow grid area during this program. One hundred and twenty-six of these samples were collected from detailed sampling of outcrops, pits and underground workings in the Midway Mine and Picture Rock Quarry areas, as shown of Figure 5. The remaining 101 samples were collected from outcrops and old trenches and workings elsewhere on the grid (see Figure 4). Sample descriptions and tabulated results are contained in Appendix I. Complete analytical results are included in Appendix II.

An orientation study was done on the Rainbow property early in the season. From this study, 8 samples were collected from the Picture Rock Quarry - Midway Mine area, as shown in Figure 5 and described in Appendix I. Samples were sent to Min-En Laboratories in North Vancouver and analyzed for a 31 element ICP suite plus gold. In addition, a whole rock chemical analysis was done, as well as analysis for Hg, F, Te, Pt, Pd. The results of this study showed that a 12 element ICP package, consisting of Ag, As, Sb, Cu, Pb, Zn, Mo, Ni, Cr, K, Na, and Mn, plus analysis for gold, would adequately test for alteration and mineralization of the property.

All rock samples were shipped to Min-En Laboratories in North Vancouver, for preparation and analysis. Samples were dried and crushed by a jaw crusher and then pulverized on a ring mill pulverizer. For the 12 element ICP package, a 0.5 gram sample was digested for 2 hours in a hot aqua regia mixture, then diluted with water to obtain a standard volume. The solutions were then analyzed by either a Jarrall Ash 9000 ICAP or a Jobin Yvon 90 Type II Inductively Coupled Plasma Spectrometer. For whole rock analyses, a 0.5 gram sample was fused with lithium tetraborate and diluted to volume. Solutions were analyzed using the machines described above. For gold analyses, a 5 gram sample was cindered at 800 degrees C for 3 hours and then digested in aqua regia and treated with Methyl Iso-butyl Ketone (MIBK). The MIBK solutions were then analyzed on an atomic absorption spectrometer.

Detection limits for the above analytical procedures are as follows:

Ag	0.1 ppm
As, Sb, Cu, Pb, Zn, Mo, Ni, Cr, Mn	1 ppm
K, Na	10 ppm
Au	5 ppb

Detailed sampling was done of outcrops, underground workings, trenches and quarry faces in the Midway Mine and Picture Rock Quarry areas (see Figure 5). Sample results for this area (for Au, Ag, Zn, Pb) are plotted on Figure 7.

In the Picture Rock Quarry, continuous chip samples were collected from exposed rock faces which showed signs of veining or alteration. Of the 25 samples collected from the area, all contained anomalous As (up to 444 ppm) and most were anomalous in Sb (to 79 ppm) and weakly anomalous in Mo (to 17 ppm). Gold values were spotty, but reach a maximum of 580 ppb in a 2 metre chip along strike on a narrow, flat lying, banded chalcedony vein (sample BCS 16831). The narrow size of these veins, low grades and lack of values in the wall rock, do not make this an attractive exploration target.

Fifteen samples were collected from continuous chip samples in the upper level of the Midway Mine. Samples of highly altered (qtz-py-seric) quartz-feldspar porphyry were anomalous in gold and silver (to 388 ppb and 24.1 ppm, respectively). Arsenic values were also very high (to 565 ppm), and lead and zinc values were elevated. A 0.5 metre sample (BCS 16871) taken across a fault zone from this level ran 6600 ppb Au, 320.4 ppm Ag, 4071 ppm As, 225 ppm Sb, 958 ppm Pb and 3760 ppm Zn.

In the upper trench at the Midway Mine, a further nine samples were collected, again continuous chip samples. As in the upper level, samples across the main east-west fault zone were strongly anomalous and those of altered wall rock weakly or moderately anomalous. An average grade calculated across a 4.5 metre width at the east end of the pit (which included the fault zone),

returned 2.8 g/t Au, 218 g/t Ag, 0.29% Pb and 0.33% Zn, making this target worth pursuing.

The lower adit at the Midway Mine was sampled by continuous chip samples and a total of seventeen samples were collected. In the altered serpentine exposed near the entrance, both base and precious metal values were very low. Throughout the remainder of the adit, an altered quartz-feldspar porphyry is exposed, within which occur narrow quartz veins and shear zones. Gold and silver values are anomalous throughout the porphyry (to 1900 ppb and 17.1 ppm, respectively), and locally As, Pb and Zn values are elevated. Within narrow quartz veins, values are much higher. One 20 cm sample (BCS 16899) across such a vein returned values of 4250 ppb Au, 434.8 ppm Ag, 5643 ppm Pb, and 4067 ppm Zn.

No significant results were obtained from samples of outcrops or old trenches elsewhere in the Midway Mine - Picture Rock Quarry area.

A number of interesting results did occur from sampling elsewhere of the Rainbow grid. Results for Au, Ag, Zn and Pb for these samples are plotted on Figure 6.

At the Murray digs, located due west of Dry Lake, one sample of strongly silicified serpentine with quartz veining plus minor galena and mariposite returned values of 580 ppb Au, 46.5 ppm Ag, 6767 ppm Pb and 5531 ppm Zn, plus anomalous As, Cu and Sb (BCS 13903). On the ridge west of the Midway Mine, known locally as Lone Boulder Hill, one sample (BCS 17775) of strongly silicified quartz-feldspar porphyry containing 5% white chalcedony veinlets, ran 1010 ppb Au. A second sample from this area (BCS 17776), of blue-green chalcedonic veining hosted in listwanite, returned a value of 2640 ppb Au, with anomalous As and Sb.

To the northeast of the Picture Rock Quarry, in an area of complex faulting and geology, a number of samples of various rock types returned anomalous silver values. Sample BCS 13915 was collected from weakly silicified and sericitized quartz-feldspar porphyry, and ran 11.6 ppm Ag and 600 ppm Mo. About 100 metres

northwest of this, a sample of dark green serpentine (BCS 13916) returned 18.2 ppm Ag. A grab sample of quartz vein float from nearby gave 22.6 ppm AG (BCS 13917) and a sample of weakly altered feldspar porphyry with minor pyrite in a road cut just south of the previous samples gave 13.4 ppm Ag. None of these samples contained anomalous gold, arsenic or base metals.

In summary, the Midway Mine and surrounding area continues to be the most promising area discovered to date on the grid. Results to 2.8 g/t Au, 218 g/t Ag, 0.29% Pb and 0.33% Zn were calculated for a 4.5 metre average over the Midway Mine shear zone and adjacent wall rock, at the east end of the upper pit. Over narrow widths, higher grades have been obtained from this zone (to 6.6 g/t Au and 320.4 g/t Ag).

5.0 SOIL GEOCHEMISTRY

A total of 1825 soil samples was collected from the Rainbow grid. Samples were collected at 25 metre intervals on lines spaced 100 metres apart. After initial results were received, an infill grid was established in the Midway Mine area. Samples were collected at 25 metre intervals on lines spaced 25 metres apart from this infill grid.

After air drying in the field, samples were shipped to Acme Analytical Laboratories in Vancouver, for preparation and analysis. Samples were dried at 60 degrees C and then sieved to obtain 30 grams of -80 mesh material. A 0.5 gram split of this material was digested in 3 mls of 3-1-2 HCl-HNO3-H2O at 95 degrees C for one hour, and diluted to 10 mls with water. A 30 element ICP analysis was then done. All samples were also analyzed for gold. Preparation for gold analysis involved igniting 10 grams of -80 mesh material at 600 degrees C and digesting with hot aqua regia. This was followed by MIBK extraction and analysis by graphite furnace AA.

Detection limits for the above analyses are as follows:

Ag	0.1 ppm
Cd, Co, Cr, Cu, Mo, Mn, Ni, Sr, Zn	1 ppm
As, B, Ba, Bi, La, Pb, Sb, Th, V, W	2 ppm
U	5 ppm
Al, Ca, Fe, K, Mg, Na, P, Ti	0.01%
Au	1 ppb

Duplicate samples were collected at random and sent to Min-En Laboratories in North Vancouver.

Complete analytical results for the soil samples are contained in Appendix III. Of the 31 elements analyzed for, visual analysis showed 15 of these to be of interest. Histograms of the analytical data were prepared for these elements and basic statistical calculations were done (see Appendix IV). Anomalous levels were determined visually from the histograms, as indicated. From these histograms and from comparison of soil results with geological information, seven elements were felt to be significant as

indicators of mineralization. Sample results for these elements (Au, Ag, Zn, Pb, Cu, As, Sb) are shown on Figures 8 - 14, respectively.

Anomalous results are identified on the maps by three sizes of circles, increasing in size with the anomalous level. These anomalous levels are given on the individual plots and are listed below.

	Au ppb	Ag ppm	Zn ppm	Pb ppm	Cu ppm	As ppm	Sb ppm
Background	<10	<0.3	<80	<20	<30	<10	<3
Weakly Anomalous	10-20	0.3	80-100	20-40	30-50	10-20	3
Anomalous	21-40	0.4	101-140	41-60	51-80	21-40	4
Strongly Anomalous	>40	>0.4	>140	>60	>80	>40	>4

Au (Figure 8)

Gold values are generally less than 10 ppb throughout the grid area. Using an anomalous threshold of 10 ppb, a large, northeast trending soil anomaly, approximately 300 m x 100 m in size, occurs immediately east of the Midway Mine. Gold values reach a maximum of 470 ppb within this anomalous zone. This area is underlain by Jurassic age quartz-feldspar porphyry and by altered serpentinite. The location of the anomaly and the topography of the area is such that known mineralization at the Midway Mine cannot explain the zone. A number of other single station gold anomalies, to 290 ppb, occur on the grid. One high value on line 8300 N suggests that the geochemical coverage should be extended to the south.

Ag (Figure 9)

A large silver anomaly, with values to 7.6 ppm, occurs in the Midway Mine area, coincident with the gold anomaly described above. Elsewhere of the grid, silver values are quite low, generally less than 0.5 ppm. One single station anomaly of 1.4 ppm Ag occurs in the Dry Lake area, near the old workings. The geology of this area is similar to that of the Midway Mine area, consisting of quartz-feldspar porphyry and altered serpentine. Several narrow shear zones and quartz veins are known in the area to explain this anomaly.

Zn (Figure 10)

Zinc values are generally low throughout the grid area. One large anomaly does occur, roughly coinciding with the main Au-Ag soil anomaly in the Midway Mine area, described above. Whereas gold and silver values defined an elongate zone trending northeast, the zinc anomaly is more equidimensional, measuring about 200 metres in diameter with values up to 321 ppm. Anomalous values of lines 9300 E and 9200 E suggest the possibility of a continuation of this zone to the west.

Pb (Figure 11)

Two populations of lead values occur on the grid, with background levels in areas underlain by Marron volcanics higher that elsewhere on the property. Except for a large, northeast trending zone in the Midway Mine area, lead values tend to be very low. Within this zone, however, values reach a maximum of 268 ppm Pb. Two spot anomalies of lines 9300 E and 9200 E suggest the presence of a parallel zone to the multielement anomaly east of the mine. Detailed infill gridding and sampling should be done in this area to test for such an anomaly.

Cu (Figure 12)

Copper values are generally low in the grid area; background levels tend to be slightly higher in the northeast corner of the grid, in the area underlain by Tertiary volcanics. Copper is notably absent in the large multielement anomaly in the Midway Mine area. Two minor copper anomalies do occur, one about 500 metres northeast of the mine and the other just south of Dry Lake. The first anomaly occurs in a well developed fault gully; the lack of any other anomalous elements in this area makes this target unattractive. The second anomaly occurs on a ridge south of Dry Lake, where a major northeast trending fault is interpreted and where both quartz-feldspar porphyry and listwanite are known to occur. Chalcedony veining is associated with the fault zone. The fact that this zone has weakly coincident As, Ag, and Zn values makes this area worth follow-up.

As (Figure 13)

Arsenic values tend to be elevated in the southern portion of the grid, especially is the vicinity of the Midway Mine. Background levels appear to be higher in areas underlain by Jurassic intrusives. Only one strong anomaly occurs of the grid, a northeast trending zone just east of the Midway Mine which also contains anomalous Au, Ag, Zn and Pb. Arsenic values attain a maximum of 445 ppm in this area.

Sb (Figure 14)

Antimony values are generally very low throughout. No large anomalous regions occur, although spotty highs do occur throughout the grid. A small anomalous zone is associated with the multi-element anomaly in the Midway Mine area.

In summary, one large multielement (Au, Ag, As, Zn, Pb) anomaly occurs on the grid. This anomaly measures approximately 300 metres by 100 metres in size, with a northeasterly trend, and is located immediately east of the Midway Mine. Geological mapping has shown this area to be underlain by altered serpentine and quartz-feldspar porphyry. Several single station gold anomalies should be followed up by prospecting; a gold value of 290 ppb on line 8300 N suggests that the grid should be extended to the south. The Cu (+ As, Ag, Zn) anomaly south of Dry Lake should also be explored by prospecting, and possible infill gridding. Anomalous Pb, Zn and As values on lines 9200 E and 9300 E suggest the possibility of extending the Midway anomaly to the west, or of a parallel zone. This should be tested by extending the infill grid lines to the west.

6.0 GEOPHYSICS

A ground magnetometer survey was conducted on the grid to aid in geological mapping and to define any large areas of magnetite-poor alteration (silicification, clay alteration). A VLF survey was done in order to better define geological structures. The surveys were carried out by Steve Lowe of Quest Canada Exploration Services Inc., using a IGS-2. Readings were taken every 25 metres on N-S lines, spaced 100 metres apart. Stations at both Seattle and Hawaii were used for the VLF survey. Raw data for the surveys is contained in Appendix V.

The results of the magnetometer survey are shown on Figures 15 - 17. Contour maps of total field mag and residual mag are included, as well as profiles for residual mag. The most prominent feature of the magnetometer survey is the strong mag-low response of the Jurassic microdiorite intrusion exposed in the southern part of the grid. Any structures or alteration zones which may be present in this area are masked by the non-magnetic nature of the intrusion. While the dark green, unaltered serpentine has a very strong magnetic response, most of the serpentine seen of surface is strongly altered to listwanite and is only weakly, if at all, magnetic. As a result, the well defined southeast trending serpentinite belt is difficult to identify, although it does show up better on the plot of total field mag than on those of residual mag. In the northern part of the grid, areas of Tertiary sediments can be identified by their low magnetic signature relative to the surrounding volcanics.

Although a number of geological features can be identified from the magnetic survey, the survey only confirms the results of geological mapping. No previously unrecognized trends or zones can be identified.

The results of the VLF-EM survey are shown on Figures 18 - 21. Both contour and profile maps are included for stations at Hawaii and at Seattle. There is generally a good correlation in

the data from both stations, although results using the Hawaii station are perhaps more detailed.

On both contour maps, the data is contoured to show a series of parallel, east-west trending zones. There is no evidence, geologically, for such a trend to exist and it is believed that this is largely an error in contouring, aided perhaps by interference in the field (powerlines, fences). One trend which is evident, however, and probably valid, is a northeast trending conductor running from about 9000E, 8800N to 10000E, 9700N. Geological mapping identified two fault structures of this attitude, one at the south and one at the north end of the anomaly. The VLF survey suggests that these faults are actually continuous, although the conductor does appear to be cut, but not offset, by an east-west structure at about 9100 N. Mapping identified a major fault zone in this area, which appears to down drop rocks on the south relative to those on the north, with little lateral movement. At least one parallel northeast trending structure is suggested by the VLF survey, about 300 metres west of the main structure.

No good evidence of thrusting related to the basal serpentine contact was seen, although, as described in the geology section, this contact has been later obscured by intrusive activity.

7.0 SUMMARY AND CONCLUSIONS

1.0 The Rainbow property covers a portion of the Toroda Creek Graben. In the grid area, the claims are underlain largely by a Jurassic microdiorite intrusion, cutting late Paleozoic Knob Hill Group volcanics. A large southeast trending belt of altered serpentine occurs on the property marking a pre-Triassic thrust fault. Tertiary sediments and volcanics overly earlier rocks in the northern part of the grid area.

2.0 Three styles of alteration are recognized on the property as follows:

a. listwanite alteration of the serpentine related to thrusting.

b. probable Jurassic alteration and sulfide mineralization in the quartz-feldspar porphyry, and

c. chalcedonic veining and pervasive alteration related to northeast trending Tertiary faults.

3.0 Rock sampling was completed in the Midway mine area, and throughout the grid, testing all the above types of alteration. Mineralization related to the quartz-feldspar porphyry at the Midway Mine is the most attractive target to date. A 4.5 metre interval of the altered porphyry and sulfide shears, returned values of 2.8 g/t Au, 218 g/t Ag, 0.29% Pb and 0.33% Zn.

4.0 A large multi-element (Au, Ag, As, Zn, Pb) soil anomaly occurs to the east of the Midway Mine. The zone has a northeasterly trend and measures approximately 300 m x 100 m in size. Known mineralization in the mine area cannot explain the anomaly.

5.0 No significant conclusions resulted from mag and VLF surveys of the grid.

8.0 RECOMMENDATIONS

1.0 The present Rainbow grid should be extended to the south to cover continuations of Tertiary structures and known anomalous gold values.

2.0 Detailed infill gridding and geochemical sampling should be continued west of the current infill grid to test for the possibility of continuations of the multielement soil anomaly to the west.

3.0 Prospecting should be done to explore areas of single station gold anomalies. Infill sampling and prospecting should also be done to test the Cu (+ Ag, As, Zn) anomaly to the south of Dry Lake.

4.0 The large multielement geochemical anomaly to the east of the Midway Mine should be tested by backhoe trenching. Approximately six trenches totally 500 metres would adequately test the zone.

5.0 The Midway Mine shear zone should be tested at depth by several diamond drill holes. Northeast trending Tertiary faults in the vicinity of the mine should also be drill tested to determine the extent of any associated alteration, as well as their relationship to the Midway structures.

9.0 REFERENCES

Chow, F., 1985.
Geology and Geochemistry Report of the Rainbow Group. Assessment Report 13,561.

Church, B.N., 1986.
Geological Setting and Mineralization in the Mount Attwood-Phoenix area of the Greenwood Mining Camp. BCDM Paper 1986-2.

Fyles, J.T., 1983.
Assessment Report of Geology of Part of the Rainbow Group. Assessment Report 11,466.

Fyles, J.T., 1990.
Geology of the Greenwood-Grand Forks Area, British Columbia, NTS 82E/1,2. B.C. Geological Survey Branch Open File 1990-25.

Lee, L.J., 1990.
Assessment Report on the Rainbow Group, for Minnova Inc. filed for assessment.

Little, H.W., 1983.
Geology of the Greenwood Map-Area, British Columbia. GSC Paper 79-29.

Reid, R. and P.P. Nielsen, 1983.
Assessment Report on Geology and Ground Magnetometer Survey of Midway Mine Area, Greenwood Mining Division, for Dentonia Resources. Assessment Report 11,953.

Wong, R.H., S.J. Hoffman, and W.D. Harris, 1988.
Geological, Geophysical, Geochemical and Diamond Drilling Report on the Rainbow Group, Midway, B.C., Assessment Report 18,381.

Wong, R.H. and S.J. Hoffman, 1987.
Geological, Geochemical and Diamond Drilling Report on the Rainbow Group, Midway, B.C. Assessment Report 17,162.

APPENDIX I

ROCK SAMPLE DESCRIPTIONS AND RESULTS

RAINBOW GRID - ROCK SAMPLE DESCRIPTIONS

GEOCHEM SAMPLES:

SAMPLE #	WIDTH	DESCRIPTION
BCS 13876	GRAB	green unalt'd serp
BCS 13879	GRAB	silic'd listwanite, ribbon chalc qtz parallel to fol'n
BCS 13880	GRAB	hem, silic'd listwanite, min qtz strngrs, min sphal
BCS 13881	GRAB	fsp porph dyke, min qtz vning to 1 cm
BCS 13882	GRAB	silic'd listwanite
BCS 13885	1.0 m	fault zone in listwanite, 5-15% mariposite
BCS 13886	GRAB	sheared chl-clay alt'd fsp porph, min py
BCS 13887	GRAB	weak silic'd listwanite, min hem,5% maripos,from old pit
BCS 13889	GRAB	weak silic in listwanite, min qtz stkwrk,hem stn,from pit
BCS 13891	GRAB	listwanite, qtz strngrs and vns to 5 cm
BCS 13892	GRAB	silic'd listwanite, qtz vning, from old trench
BCS 13893	GRAB	listwanite, ribbon-like silic par to fol'n, min py+sphal
BCS 13895	GRAB	micordior - str sheared, weak clay-silic, min py + sphal
BCS 13897	GRAB	Qtz fsp porphyry near Midway Mine - over soil anomaly
BCS 13898	GRAB	Qtz fsp porphyry near Midway Mine,min py,over soil anom
BCS 13899	GRAB	Qtz fsp porphyry near Midway Mine - over soil anomaly
BCS 13902	GRAB	str talc alt'd serp from E-W shear in old trench
BCS 13903	GRAB	Murray Digs, str silic'd serp + min qtz vning, gal+marip
BCS 13904	GRAB	Murray Digs, old trench, silic'd serp + qtz fsp porph
BCS 13905	GRAB	Murray Digs, silic'd qtz eye porph + 5% py
BCS 13906	0.1 m	white chalc vn, 10 cm wide, in alt'd serp
BCS 13908	GRAB	white chalc bx vn flt, 3-5cm, in listwanite; adit dump
BCS 13909	GRAB	large boulder with 10 cm white chalc bx vn, adit dump
BCS 13912	GRAB	listwanite, 10% mariposite, silic'd, minor qtz vnlts
BCS 13913	GRAB	listwanite, 5 cm white qtz vnlts
BCS 13914	0.2 m	20 cm white qtz vn in listwanite
BCS 13915	GRAB	weak silic-seric alt'n of qtz eye porph
BCS 13916	GRAB	dark green serpentine
BCS 13917	GRAB	qtz vn flt, white, to 10 cm, in talus
BCS 13919	GRAB	weak seric/chl/silic + min py of fsp porph
BCS 17746	GRAB	carb alt'd microdior + qtz vning
BCS 17747	GRAB	carb alt'd microdior + qtz vning
BCS 17748	GRAB	white chalc vn float
BCS 17751	GRAB	str carb alt'd serp + qtz vning
BCS 17753	GRAB	qtz vn float from shaft dump near Dry Lake
BCS 17754	GRAB	alt'd serp from old trench near Dry Lake
BCS 17755	GRAB	dark green serp from fault zn in trench, Dry Lake area
BCS 17756	GRAB	qtz-py-ser alt'd QFP from pit, Dry Lake area
BCS 17761	GRAB	chalcedonic vn flt/subcrop @ 88E, 86N
BCS 17762	GRAB	same as 17761
BCS 17764	GRAB	carb-prop alt'd microdiorite, minor qtz vnlts
BCS 17768	GRAB	silic'd QFP, minor py - near Midway Mine
BCS 17769	2.5 m	silic'd, carb alt'd serp, min qtz vning
BCS 17771	GRAB	silic/talc alt'd serp, min qtz vning
BCS 17772	2.0 m	shear zone in silic'd listwanite, 10% mariposite
BCS 17773	1.0 m	shear zone in silic'd listwanite, min py, 10% mariposite
BCS 17775	GRAB	v str silic'd QFP, 5% white chalc vning to 1 cm
BCS 17776	GRAB	blue-green - white chalc vning in listwanite
BCS 17777	GRAB	str silic'd fst porph, min qtz/chalc vning
BCS 17778	0.2 m	chip across chalcedony vein
BCS 17779	0.3 m	same as 17778

BCS 17780	2.0 m	weak silic listwanite + qtz vn, N wall of shaft
BCS 17781	GRAB	silic'd listwanite in old pit
BCS 17783	GRAB	silic'd listwanite, weak fol'n, from old pit
BCS 17784	GRAB	silic'd listwan, 10-20% blue-green clay/mica?, min chalc
BCS 17786	GRAB	qtz vn flt from dump of old pit in alt'd listwanite
BCS 17787	GRAB	silic'd listwanite with white qtz vns to 10 cm
BCS 17789	GRAB	silic'd listwanite, 20% fine qtz vning, avg 3 mm
BCS 17790	GRAB	listwanite, 3-5% blue-green clay/mica??, min qtz vning
BCS 17795	GRAB	v. alt'd (clay/chl) fsp porph adj to serp contact
BCS 17796	GRAB	str perv clay alt'd fsp porph, steep NE fault
BCS 17797	GRAB	str silic microdior, qtz vnlts, perv hem, rusty, fault zn
BCS 17800	GRAB	listwanite, min qtz vning to 4 cm

LITHO SAMPLES:

BCS 13877	GRAB	green unalt'd serp
BCS 13878	GRAB	qtz fsp porph, weak silic'n
BCS 13883	GRAB	str carb alt'n in listwanite, 10% stockwork qtz, old pit
BCS 13884	GRAB	Conglomerate, unalt'd, microdior clasts
BCS 13888	GRAB	large bx zone in fsp porph
BCS 13890	GRAB	Marron volc, fng, grey-brown, px phyric
BCS 13894	GRAB	silic'd microdior, qtz vnlts, min py - from old trench
BCS 13896	GRAB	Marron intrusive
BCS 13900	GRAB	Marron volc? fng px phyric volc
BCS 13901	GRAB	Marron intrus, med-coarse grained, min hem
BCS 13907	GRAB	listwanite, silic'd
BCS 13910	GRAB	fng grey volc/int, 20% fsp, minor bio + px
BCS 13911	GRAB	Marron volc, 30% hnbld in fng Kspar rich mtrx
BCS 13918	GRAB	pale grey-buff, qtz eye felsic xtal tuff
BCS 17744	GRAB	microdiorite - fng, 30% fsp, 20% px
BCS 17745	GRAB	Knob Hill volc, fng, purple-green, hnbld phyric, pendant?
BCS 17749	GRAB	fng microdior/cr fsp porph, weak perv silic'n
BCS 17750	GRAB	str silic'd serp
BCS 17752	GRAB	unalt'd Qtz Fsp Porphyry
BCS 17757	GRAB	microdiorite from o/c in field by Dry Lake
BCS 17758	GRAB	med grained diorite, weak hem-carb alt'n
BCS 17759	GRAB	microdiorite, perv prop alt'n
BCS 17760	GRAB	silic'd QFP, min diss py
BCS 17763	GRAB	Knob Hill mafic volc?, fng, 10% mafics, perv chl-hem
BCS 17765	GRAB	Marron intrusive, med-coarse, 70% plag, 25% mafics, 5% bi
BCS 17766	GRAB	fsp porph, 35% fsp in fng mafic gmass, rare large Kspar
BCS 17767	GRAB	Marron intrusive, fresh, bio phyric
BCS 17770	GRAB	clay-carb alt'd QFP, on ridge W of Midway Mine
BCS 17774	GRAB	Knob Hill volc? maroon coloured, 20% acicular mafics
BCS 17782	GRAB	silic'd listwanite, 5% qtz vnlts
BCS 17785	GRAB	fng silic'd listwanite from pit
BCS 17788	GRAB	silic'd listwanite
BCS 17791	GRAB	Conglomerate, 30% cobble size dior clasts in tuff mtrx
BCS 17792	GRAB	Marron volc, dark grey, fng, fsp rich
BCS 17793	GRAB	Felsic tuff, fng-med grained, fsp rich, xtal tuff
BCS 17794	GRAB	fine grained micordior, perv carb
BCS 17798	GRAB	Marron volc, grey-br, 10% large mafics, fsp rich gmass
BCS 17799	GRAB	Marron volc, coarse hnbld phyric

RAINBOW GRID - ROCK SAMPLE RESULTS

GEOCHEMICAL RESULTS:

	AG PPM	AS PPM	CU PPM	K PPM	MN PPM	MO PPM	NA PPM	NI PPM	PB PPM	SB PPM	ZN PPM	CR PPM	AU PPB
BCS 13876	2.4	1	47	50	708	1	10	2154	12	1	20	563	2
BCS 13879	1.4	1	22	50	562	1	20	1742	12	1	15	249	2
BCS 13880	0.6	1	12	120	1097	1	50	1373	13	1	17	266	1
BCS 13881	0.6	1	20	1820	683	1	170	30	50	1	29	71	2
BCS 13882	1.6	1	10	130	1528	1	30	680	13	1	13	174	2
BCS 13885	0.8	1	23	180	612	1	70	1621	13	1	17	351	1
BCS 13886	0.1	1	10	3770	440	1	220	62	27	1	50	50	1
BCS 13887	0.8	1	14	130	420	1	60	1261	13	1	20	502	4
BCS 13889	0.9	1	12	110	688	1	20	1408	13	1	27	656	2
BCS 13891	0.7	1	10	50	458	1	10	781	13	1	20	617	1
BCS 13892	1.6	1	9	80	769	1	10	746	13	1	14	184	3
BCS 13893	1.1	1	19	70	470	1	10	1023	13	1	22	421	2
BCS 13895	0.4	10	9	2230	573	2	290	13	28	1	40	42	14
BCS 13897	0.6	16	9	2040	595	1	450	9	26	1	35	49	2
BCS 13898	0.6	25	20	2780	837	3	400	4	29	1	31	54	20
BCS 13899	1.1	48	10	2360	993	1	420	95	34	1	48	153	54
BCS 13902	1	166	7	100	547	1	20	656	20	4	17	637	10
BCS 13903	46.5	990	571	110	5182	1	30	492	6767	92	5531	417	580
BCS 13904	1.9	41	32	120	1212	1	80	1061	51	8	216	471	2
BCS 13905	0.5	23	9	3020	1177	2	280	13	48	1	58	45	1
BCS 13906	0.1	56	8	190	94	2	30	187	25	1	11	239	2
BCS 13908	0.7	470	10	110	358	4	20	861	22	9	12	243	210
BCS 13909	0.1	75	8	50	133	2	20	101	22	1	7	188	19
BCS 13912	1	206	8	160	952	2	20	1070	27	1	10	409	4
BCS 13913	0.1	129	7	240	471	4	10	1009	26	1	13	507	22
BCS 13914	0.9	1	4	70	187	1	10	589	10	1	11	382	1
BCS 13915	11.6	1	41	700	10240	600	630	102	25	1	24	691	1
BCS 13916	18.2	1	81	120	24184	2	50	7382	11	1	20	4701	1
BCS 13917	22.6	1	54	710	15964	2	60	1208	11	1	7	1651	1
BCS 13919	13.4	1	44	5510	16679	2	490	141	21	1	21	426	4
BCS 17746	1.1	58	16	520	3037	2	30	5	34	1	23	24	5
BCS 17747	0.4	67	5	990	541	1	50	6	10	1	25	47	5
BCS 17748	0.2	7	4	80	95	2	10	4	7	1	5	66	10
BCS 17751	0.8	85	19	50	834	1	10	507	12	8	5	245	5
BCS 17753	0.6	45	6	40	604	4	10	375	18	1	14	494	75
BCS 17754	0.7	1	5	70	625	1	10	1487	4	1	9	587	5
BCS 17755	1.4	1	4	60	546	1	10	138	4	1	32	35	5
BCS 17756	0.7	21	22	1440	312	2	560	10	40	1	70	55	5
BCS 17761	0.3	1	4	560	230	2	10	5	7	1	9	80	5
BCS 17762	0.4	16	11	560	351	1	20	8	10	1	10	115	5
BCS 17764	0.3	6	4	1120	904	2	40	3	15	1	54	54	5
BCS 17768	2.4	81	15	2640	1168	3	600	7	32	1	30		25
BCS 17769	2.4	110	8	120	949	1	20	1268	10	1	16	696	15
BCS 17771	1.3	59	17	120	2576	5	30	374	30	1	26	317	20
BCS 17772	2.5	1	20	70	2862	1	30	683	12	1	14	145	5
BCS 17773	2.3	1	174	40	2003	1	20	768	10	1	25	343	10
BCS 17775	0.4	103	8	1860	52	3	150	19	25	1	15	84	1010
BCS 17776	1.3	607	5	120	454	2	20	838	24	18	8	252	2640
BCS 17777	0.8	32	7	270	1612	4	60	22	28	1	15	168	37
BCS 17778	0.1	34	5	1310	135	3	40	32	18	1	18	184	3
BCS 17779	0.2	27	9	1260	182	4	40	27	21	1	22	137	8

BCS 17780	5.2	29	160	260	4133	1	70	538	66	6	64	235	28
BCS 17781	2.7	94	11	100	1623	1	20	1261	12	8	23	379	6
BCS 17783	1.4	1195	5	150	737	5	20	1483	28	205	10	408	9
BCS 17784	1.8	527	11	190	733	1	20	1460	12	24	14	389	11
BCS 17786	1.9	135	5	230	878	1	40	345	13	4	14	303	2
BCS 17787	2.4	24	7	70	1144	1	20	331	12	4	11	326	3
BCS 17789	2.8	22	25	80	2696	1	40	1093	12	4	30	602	2
BCS 17790	1.3	198	10	120	516	3	20	1092	20	12	20	575	1
BCS 17795	0.5	7	7	1950	757	1	130	61	23	1	33	47	2
BCS 17796	3.3	925	12	330	1220	11	20	1867	35	42	24	412	73
BCS 17797	0.9	637	7	320	659	4	20	907	25	27	10	238	26
BCS 17800	2.3	28	27	60	6526	1	20	588	16	3	13	279	3

LITHO RESULTS:

	AL2O3	BAT	CAO	FE2O3	K2O	MGO	MNO2	NA2O	P2O5	SIO2	TIO2	S	TOTAL	LOI
	%	%	%	%	%	%	%	%	%	%	%	%	%	%
BCS 13877	0.94	0.005	0.14	9.66	0.34	34.14	0.13	0.05	0.22	37.46	0.04	0.03	83.17	15.1
BCS 13878	14.31	0.06	4.2	4.06	1.91	5.54	0.09	3.19	0.21	56	0.34	0.05	89.97	9.2
BCS 13883	0.78	0.005	20.8	5.36	0.02	10.32	0.12	0.05	0.04	34.86	0.02	0.19	72.59	25.5
BCS 13884	15.8	0.035	8.38	5.75	3.04	4.45	0.13	4.28	0.19	47.25	0.73	0.08	90.12	8.8
BCS 13888	12.9	0.015	4.94	7.37	0.54	9.36	0.16	2.92	0.07	49.92	0.35	0.05	88.61	10.7
BCS 13890	15.64	0.285	3.96	5.72	6.59	2.48	0.1	3.04	0.37	56.3	0.96	0.03	95.49	3.35
BCS 13894	14.82	0.07	9.19	5.11	1.28	3.53	0.15	3.84	0.09	51.51	0.59	0.09	90.27	8.8
BCS 13896	14.58	0.14	8.21	5.5	3.17	3.47	0.11	3.31	0.43	54.8	0.88	0.05	94.67	4.4
BCS 13900	16.39	0.205	6.13	4.75	5.31	1.68	0.09	3.78	0.24	55.75	0.79	0.04	95.15	3.6
BCS 13901	14.66	0.135	8.44	5.4	3.44	3.22	0.09	3.45	0.28	56.85	0.79	0.03	96.8	2
BCS 13907	0.66	0.005	4.29	4.98	0.09	23	0.13	0.07	0.02	35.38	0.02	0.1	68.76	30.1
BCS 13910	19.36	0.325	4.57	4.27	5.78	1.38	0.09	5.11	0.32	53.55	0.6	0.01	95.37	3.25
BCS 13911	14.46	0.235	8.1	7.28	4.53	4.36	0.13	4.32	0.72	49.3	0.86	0.01	94.31	3.9
BCS 13918	14.41	0.125	0.98	2.77	3.44	0.54	0.05	4.53	0.01	69.63	0.37	0.01	96.87	2.15
BCS 17744	16.28	0.08	4.3	4.75	1.52	1.87	0.13	3.64	0.2	58.76	0.5	0.04	92.06	6.9
BCS 17745	14.12	0.03	7.05	9.34	0.38	7.1	0.2	3.55	0.44	45.51	1.14	0.09	88.94	10
BCS 17749	16.43	0.085	3.65	4.49	1.39	2.11	0.1	3.99	0.18	60.77	0.46	0.04	93.68	5.7
BCS 17750	0.68	0.005	20.59	4.46	0.09	12.84	0.23	0.07	0.3	24.82	0.01	0.19	64.28	34.6
BCS 17752	16.88	0.05	3.59	4.01	0.61	2.29	0.08	4.9	0.11	62.24	0.37	0.03	95.16	3.9
BCS 17757	18.88	0.06	3.45	5.6	2.74	2.09	0.17	6.67	0.24	57.93	0.74	0.05	98.62	0.6
BCS 17758	16.3	0.11	5.31	4.44	2.09	1.76	0.14	2.16	0.18	58.87	0.46	0.05	91.86	7.3
BCS 17759	15.81	0.07	5.96	4.97	2.04	1.61	0.13	2.14	0.18	57.14	0.47	0.06	90.59	8.5
BCS 17760	16.63	0.08	4.26	3.92	2.94	2.1	0.11	1.24	0.17	60.51	0.37	0.17	92.51	6.8
BCS 17763	16.09	0.05	7.03	8.02	1.47	4.86	0.17	3.58	0.36	47.63	0.84	0.08	90.19	9
BCS 17765	16.32	0.12	3.3	5.07	2.97	3.09	0.1	3.99	0.28	58.91	0.81	0.02	94.98	3.9
BCS 17766	16.94	0.035	4.2	5.57	1.7	2.42	0.14	5.32	0.25	55.4	0.7	0.05	92.71	6.5
BCS 17767	15.64	0.13	4.02	5.06	2.97	3.06	0.08	3.41	0.38	57.61	0.81	0.04	93.21	5.7
BCS 17770	16.09	0.05	5.04	3.79	2.65	2.41	0.1	0.75	0.25	58.01	0.35	0.12	89.62	9.6
BCS 17774	16.95	0.04	3.92	6.61	0.54	4.03	0.14	6.59	0.37	51.77	1.06	0.07	92.11	6.8
BCS 17782	0.79	0.005	17.62	5.84	0.14	15.19	0.2	0.06	0.25	25.87	0.03	0.25	66.23	32.5
BCS 17785	1.14	0.005	14.54	4.95	0.27	15.79	0.2	0.08	0.24	31	0.03	0.17	68.41	30.6
BCS 17788	0.76	0.005	5.02	5.8	0.21	23.43	0.18	0.01	0.2	32.7	0.01	0.25	68.57	30.1
BCS 17791	15.75	0.04	0.55	7.39	2.14	3.2	0.11	3.3	0.26	60.85	0.67	0.03	94.3	4.75
BCS 17792	15.81	0.15	5.95	7	3.37	3.32	0.12	2.83	0.5	53.65	0.95	0.05	93.68	5.5
BCS 17793	15.3	0.15	0.69	1.68	3.28	0.52	0.03	4.72	0.18	69.76	0.45	0.01	96.76	2.25
BCS 17794	15.87	0.14	6.63	6.77	3.02	3.27	0.13	2.84	0.48	53.21	0.91	0.08	93.35	5.6
BCS 17798	15.82	0.295	6.1	6.08	4.95	3.37	0.13	3.48	0.77	51.21	0.93	0.06	93.2	5.7
BCS 17799	15.76	0.27	6.42	6.51	4.34	4.89	0.12	3.9	0.78	51.67	0.95	0.05	95.66	3.2

	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCS 13877	1.9	1	17	13	13	1	20	5
BCS 13878	0.6	1	78	9	13	1	29	5
BCS 13883	2.2	10	19	15	29	5	28	10
BCS 13884	0.5	8	56	35	32	1	38	5
BCS 13888	0.4	1	25	54	12	1	31	5
BCS 13890	1.2	1	99	48	37	1	57	5
BCS 13894	0.3	3	68	90	29	1	45	5
BCS 13896	0.8	1	319	18	24	1	57	5
BCS 13900	0.6	1	216	11	33	1	51	5
BCS 13901	0.9	1	339	18	28	1	49	5
BCS 13907	0.9	1	20	12	12	1	8	5
BCS 13910	1.4	1	276	24	29	1	60	5
BCS 13911	2.7	1	117	45	37	1	72	5
BCS 13918	0.5	1	92	7	28	1	34	5
BCS 17744	0.3	27	69	1	21	1	52	5
BCS 17745	1	19	124	53	16	2	50	5
BCS 17749	0.4	33	95	1	23	1	28	5
BCS 17750	1.9	1	8	10	5	1	18	5
BCS 17752	0.5	33	67	10	26	1	27	5
BCS 17757	1.3	23	80	31	25	1	40	5
BCS 17758	0.5	29	85	1	22	1	42	10
BCS 17759	0.6	29	58	1	23	1	43	5
BCS 17760	0.6	32	65	1	25	1	38	5
BCS 17763	0.7	37	226	64	25	4	53	5
BCS 17765	1.3	25	305	12	22	1	55	5
BCS 17766	0.6	32	180	4	26	1	48	10
BCS 17767	1.1	36	456	20	21	1	49	10
BCS 17770	0.8	22	47	6	22	1	26	5
BCS 17774	0.3	1	245	19	16	1	49	5
BCS 17782	2.1	58	12	11	13	8	28	5
BCS 17785	2.1	1	29	28	13	2	16	5
BCS 17788	1.9	1	8	11	13	1	31	5
BCS 17791	0.2	1	120	46	15	1	90	5
BCS 17792	1.4	1	140	23	17	1	65	5
BCS 17793	0.1	7	62	8	22	1	23	5
BCS 17794	1	1	144	22	22	1	68	10
BCS 17798	2.1	1	163	46	34	1	76	5
BCS 17799	2.2	1	120	43	30	1	72	5

RAINBOW MINI-GRID - ROCK SAMPLE DESCRIPTIONS

GEOCHEM SAMPLES:

SAMPLE #	WIDTH	DESCRIPTION
BCS 16826	1.0 m	Carb alt Serp with minor chalced vns 5%
BCS 16828	0.5 m	Talc/Carb alt Serp, Talc 50%, Carb veins 20%
BCS 16829	1.5 m	Fault zone, chalced vns 30%, alt Serp + Fsp porph clasts
BCS 16830	2.0 m	Chalcedony v, 1cm thick, banded with clasts of serp
BCS 16831	2.0 m	Chalcedony v, poorly banded, clasts alt Serp 20%
BCS 16832	1.5 m	Carb alt Serp, highly silic'd, chalced vns 10%
BCS 16833	2.0 m	Carb alt Serp, highly silic'd, chalced vns 15%
BCS 16834	3.0 m	Fault zone, highly sheared Fsp Porph dyke, chalced vn
BCS 16835	4.0 m	Carb alt Serp, highly silic'd, chalced vns 10%
BCS 16836	1.5 m	Carb alt Serp, mod foliated, chalced vns 5%
BCS 16837	1.0 m	Chalced vn, banded, clasts of alt Serp 10%
BCS 16838	1.0 m	Carb alt Serp, chalced vns 10%, clast of less alt Serp
BCS 16840	3.0 m	Chalced vn, banded with clasts of Fsp Porph
BCS 16841	1.5 m	Fsp Porph, chalcedony vns 5%
BCS 16843	2.0 m	Chalcedony vn, 2cm thick in Fsp Porph 50%
BCS 16844	1.5 m	Carb alt Serp, chalcedony vn 10%,
BCS 16846	0.5 m	Fault zone at contact of andesite and carb alt serp
BCS 16847	1.0 m	Carb alt Serp, chalced vn 1%, clast of less alt serp 15%
BCS 16848	1.0 m	Chalced vn, banded, 5mm thick, clasts of alt serp 10%
BCS 16850	3.0 m	Carb alt Serp, chalced vn 15%, clast of less alt serp 10%
BCS 16851	GRAB	Carb alt Serp, foliated and jointed
BCS 16853	GRAB	Carb alt Serp, Qtz vns 5%, vuggy qtz xtals to 1mm long
BCS 16855	1.0 m	Carb alt Serp, well foliated, some silicification
BCS 16857	2.0 m	Carb alt Serp, Qtz vn <1%, well foliated
BCS 16858	1.0 m	Carb alt Serp, above contact with Fsp porph, Qtz vn 10%
BCS 16859	0.2 m	Qtz vn, py <1%, at contact of alt Serp and Fsp Porph
BCS 16860	1.0 m	Fsp Porph, highly silicified, well fractured
BCS 16861	1.0 m	Carb alt Serp, well foliated, Qtz vn <1%
BCS 16862	1.5 m	Talc alt Serp, Qtz vn 5%, barite vn? 5%
BCS 16864	3.5 m	Fsp Bio Qtz Diorite?, well fratured dyke
BCS 16865	3.5 m	Fsp Bio Qtz Diorite?, well fratured dyke
BCS 16866	1.0 m	Fault zone, highly sheared and weathered, py 1%
BCS 16867	2.0 m	Qtz eye Porph, highly alt (phyllic alt), py <1%
BCS 16868	2.5 m	Qtz eye Porph, highly alt (phyllic alt), py <1%
BCS 16869	2.0 m	Qtz eye Porph, highly alt (phyllic alt), py <1%
BCS 16870	2.2 m	Qtz eye Porph, highly alt (phyllic alt), py <1%
BCS 16871	0.5 m	Fault zone, Qtz vn 20%, sheared and weathered rock
BCS 16872	1.7 m	Qtz eye Porph, highly alt, py <1%, minor Qtz vns
BCS 16873	0.3 m	Fault zone, highly sheared and weathered
BCS 16874	1.3 m	Qtz eye Porph, highly alt (phyllic alt), py <1%
BCS 16875	1.0 m	Fault zone, highly sheared and weathered
BCS 16876	1.3 m	Qtz eye Porph, highly alt, fractured, py 1%
BCS 16877	3.0 m	Qtz eye Porph, highly alt (phyllic alt), py <1%
BCS 16878	2.0 m	Qtz eye Porph, highly alt
BCS 16879	2.0 m	Qtz eye Porph, highly alt
BCS 16880	0.8 m	Fault zone, highly sheared, weathered, py and fg galena
BCS 16881	3.5 m	Qtz eye Porph, highly alt (phyllic alt), py <1%

BCS	16883 2.0 m	Qtz eye Porph, highly alt, py <1%, fractured
BCS	16884 2.0 m	Fault zone, highly sheared and weathered, py and fg ga
BCS	16885 2.5 m	Qtz eye Porph, highly alt, py <1%, fractured
BCS	16886 1.5 m	Qtz eye Porph, highly alt, py <1%, well fractured
BCS	16888 4.0 m	Alt Serp, slight talc alt, at contact with Qtz eye Porph
BCS	16889 4.0 m	Alt Serp, slight talc alt
BCS	16891 GRAB	Talc alt Serp, minor alt in some areas
BCS	16892 GRAB	Silicified Serp, alt light grey
BCS	16893 GRAB	Biotite Porph, 1% biotite, well fractured
BCS	16894 GRAB	Silicified Serp, alt light gray
BCS	16895 GRAB	Alt Qtz eye Porph, well fractured
BCS	16896 3.5 m	Alt Serp, mod talc alt, at contact with Qtz eye Porph
BCS	16897 0.3 m	Qtz eye Porph, py 5%, possible fault zone
BCS	16898 3.5 m	Qtz eye Porph, py <1%, at contact with alt Serp
BCS	16899 0.2 m	Qtz veining, av 5mm wide, in Qtz eye Porph, py 3%
BCS	16900 0.5 m	Qtz eye Porph, py <1%, btw two zones of Qtz veining
BCS	16901 0.1 m	Qtz veining, av 5mm wide, in Qtz eye Porph, py 3%
BCS	16902 0.7 m	Qtz eye Porph, py <1%, btw two zones of Qtz veining
BCS	16903 0.2 m	Qtz veining, av 5mm wide, in Qtz eye Porph, py 3%
BCS	16904 1.5 m	Qtz eye Porph, py 1%
BCS	16905 1.5 m	Qtz eye Porph, py 1%
BCS	16906 1.0 m	Fault zone, cuts Qtz eye Porph, py 3%
BCS	16907 2.0 m	Qtz eye Porph, py 2%, may be part of fault zone
BCS	16908 2.5 m	Qtz eye Porph, py <1%, Qtz v 1%
BCS	16909 2.0 m	Qtz eye Porph, py <1%, Qtz v 1%
BCS	16910 2.0 m	Qtz eye Porph, py <1%, Qtz v 1%
BCS	16911 GRAB	Alt Serp, silicified, Qtz v 10%
BCS	16914 GRAB	Fault zone, junction of two faults
BCS	16915 GRAB	Silicified Serp, minor foliation, py <1%
BCS	16919 GRAB	Marron volc, coarse grained, weathered
BCS	16920 GRAB	Marron volc, coarse grained, weathered
BCS	16921 GRAB	Marron volc, coarse grained, weathered
BCS	16922 GRAB	Marron volc, coarse grained, slight Mn staining
BCS	16923 GRAB	Marron volc, coarse grained, extensive Mn staining
BCS	16924 GRAB	Marron volc, coarse grained, extensive Mn staining
BCS	16925 GRAB	Marron volc, coarse grained, minor Mn staining
BCS	16926 GRAB	Marron volc, coarse grained, weathered
BCS	16927 GRAB	Marron volc, coarse grained biotite and fsp
BCS	16928 GRAB	Marron volc, coarse grained, slight Mn staining
BCS	16929 GRAB	Marron volc, coarse grained, Mn staining
BCS	16930 GRAB	Marron volc, coarse grained, Mn staining
BCS	16931 GRAB	Marron volc, coarse grained, Mn staining
BCS	16933 GRAB	Fsp Qtz intrusive, equigranular, phaneritic
BCS	16936 GRAB	Marron volc, large bi xtals in fng matrix
BCS	16938 GRAB	Marron volc, Qtz filled vugs, large biotite phenocrysts

LITHO SAMPLES:

BCS	16827 1.5 m	Fsp Porph with Fsp Xtals 2mm long, chalcedony vns 5%
BCS	16839 0.7 m	Talc alt Serp, talc 40%, minor celadonite
BCS	16842 2.0 m	Fsp Porph, chalcedony vns 5%

BCS	16845 1.0 m	Andesite, chalcedony vns 3%, well fractured
BCS	16849 1.5 m	Fsp Porph, chalcedony vns 3%, well fractured
BCS	16852 GRAB	Fsp Biotite Porph, minor Qtz phenos, fng grey matrix
BCS	16854 GRAB	Fsp Porph, fsp xtals 2mm long, well frac, homogeneous
BCS	16856 GRAB	Fsp Porph, Fsp xtals up to 5mm long, fng black matrix
BCS	16863 3.0 m	Fsp Biotite Qtz Diorite?, well fratured dyke
BCS	16882 3.5 m	Qtz eye Porph, highly alt (phyllic alt), py <1%
BCS	16887 1.5 m	Unaltered Qtz Fsp Porph, above shallow fault, fractured
BCS	16890 GRAB	Biotite Porph, 1% biotite, well fractured
BCS	16912 GRAB	Microdiorite, fng homogeneous unit
BCS	16913 GRAB	Rounded Fsp Porph, 60% rounded fsp clasts in grey matrix
BCS	16916 GRAB	Biotite Porph, fng, biotite phenocrysts
BCS	16917 GRAB	Chert/silic'd serp?, very fng, Mn? stain on fracs
BCS	16918 GRAB	Marron volc, very coarse grained biotite and Fsp Xtals
BCS	16932 GRAB	Fsp Qtz intrusive, equigranular, phaneritic
BCS	16934 GRAB	Sandstone, some large Fsp xtals
BCS	16935 GRAB	Marron volc, large bi xtals in fng matrix
BCS	16937 GRAB	Microdiorite, forms dyke
BCS	16939 GRAB	Hornblend Porph, up to 4mm long hnbld xtals
BCS	16940 GRAB	Hornblend Porph, up to 4mm long hnbld xtals
BCS	17730 GRAB	strong Fe-carb alt'd serp, mod magnetic
BCS	17735 GRAB	silic'd, clay alt'd QFP from Midway Mine, 5% py
BCS	17737 GRAB	Marron intrusive, bi-px phyric dyke? at Midway Mine

ORIENTATION STUDY:

BCS	17730 GRAB	strong Fe-carb alt'd serp, mod magnetic
BCS	17735 GRAB	silic'd, clay alt'd QFP from Midway Mine, 5% py
BCS	17737 GRAB	Marron intrusive, bi-px phyric dyke? at Midway Mine
BCS	17731 GRAB	blue-green chalc vn from Picture Rx Quarry
BCS	17732 GRAB	white chalc vn from Picture Rx Quarry
BCS	17733 GRAB	chalc bx - 30% serp clasts in grey chalc from PRQ
BCS	17734 GRAB	sulfide shear from Midway Mine. 25% sulfs in alt'd intrus
BCS	17736 GRAB	phyllic alt'n (qtz,py,seric) of QFP from Midway Mine

RAINBOW MINI-GRID - ROCK SAMPLE RESULTS

GEOCHEM SAMPLES:

	AG PPM	AS PPM	CU PPM	K PPM	MN PPM	MO PPM	NA PPM	NI PPM	PB PPM	SB PPM	ZN PPM	CR PPM	AU PPB
BCS 16826	1.6	97	3	200	1001	1	20	106	10	4	39	65	5
BCS 16828	1.7	1	3	120	810	1	10	50	10	1	50	30	5
BCS 16829	1.6	444	8	130	545	6	30	1072	20	45	18	537	205
BCS 16830	0.9	145	2	60	111	8	10	237	15	14	3	175	120
BCS 16831	0.7	68	2	50	68	2	10	98	14	2	2	169	580
BCS 16832	1.9	22	3	40	550	1	10	1010	10	2	15	710	10
BCS 16833	2	146	3	40	542	1	10	991	8	20	10	412	55
BCS 16834	1.4	312	23	210	811	8	20	1173	20	53	20	694	10
BCS 16835	1.5	275	10	510	492	2	20	606	14	21	16	365	15
BCS 16836	2.1	153	6	70	918	1	10	944	10	10	15	611	5
BCS 16837	2.6	30	4	320	760	8	20	169	9	1	34	78	5
BCS 16838	1.9	32	6	60	809	1	10	948	11	7	13	423	5
BCS 16840	1.2	51	3	2480	547	4	30	36	26	1	32	86	15
BCS 16841	1.2	35	3	2870	646	4	40	23	28	1	40	70	50
BCS 16843	1.3	225	9	170	229	6	10	446	21	24	8	423	405
BCS 16844	2.1	637	8	140	486	7	20	1126	10	79	8	301	20
BCS 16846	2.5	98	86	170	1545	1	50	421	23	1	72	386	10
BCS 16847	2.2	140	168	90	1188	1	20	1645	84	2	60	927	10
BCS 16848	0.3	32	6	80	65	5	10	56	13	1	2	107	5
BCS 16850	2.5	122	7	60	546	17	10	1061	10	16	9	368	40
BCS 16851	1.5	1	4	60	483	1	10	1197	9	1	15	729	15
BCS 16853	1.1	1	4	30	379	1	10	935	8	1	8	291	5
BCS 16855	1.9	1	15	70	759	1	20	454	10	1	12	505	10
BCS 16857	2	1	6	90	691	1	20	513	10	1	12	434	5
BCS 16858	2.1	1	16	60	889	1	20	949	11	1	11	521	15
BCS 16859	2.5	65	7	120	3271	1	20	625	10	1	16	500	35
BCS 16860	1.1	51	4	3010	1224	4	100	32	28	1	39	75	30
BCS 16861	1.3	1	14	180	513	1	20	639	14	1	15	489	2
BCS 16862	2.2	1	8	120	538	1	40	1095	14	1	22	775	1
BCS 16864	1.5	1	16	3680	606	1	600	52	25	1	65	118	4
BCS 16865	1.4	1	13	3810	655	1	580	24	26	1	63	103	18
BCS 16866	2.7	114	19	2850	482	4	110	25	150	1	150	71	357
BCS 16867	7.3	529	13	2480	1920	2	180	193	144	6	335	119	213
BCS 16868	3.7	214	6	2930	1613	2	170	24	68	2	207	32	83
BCS 16869	10.4	386	15	2470	1546	2	160	9	243	9	922	41	388
BCS 16870	6.4	565	8	2790	1229	2	180	6	128	7	156	47	380
BCS 16871	320.4	4071	215	2240	2553	2	170	114	958	225	3760	102	6600
BCS 16872	6.7	1140	6	2180	1715	2	150	11	85	6	262	44	375
BCS 16873	6.6	961	8	2570	1642	3	140	6	110	5	406	58	405
BCS 16874	24.1	546	27	2450	1279	3	150	9	130	20	1178	51	308
BCS 16875	10.5	480	8	2380	2052	3	140	6	200	6	219	42	199
BCS 16876	18.8	1869	13	1910	1078	2	140	1	355	17	2547	46	1500
BCS 16877	8.8	531	6	2190	1345	1	170	2	119	5	103	41	338
BCS 16878	169	3542	82	1850	1448	4	130	4	1792	112	6270	49	2650
BCS 16879	4.7	251	6	2920	1412	2	200	2	76	2	223	40	111
BCS 16880	285.1	4313	70	2500	1114	3	150	1	1688	218	2556	56	2850
BCS 16881	11.5	360	7	2830	1261	1	150	3	182	7	149	35	103
BCS 16883	11	103	16	2430	1263	2	160	4	186	11	501	38	37
BCS 16884	342.2	4913	148	1960	1922	6	130	3	2946	194	5394	60	4200
BCS 16885	118.4	2422	37	2540	1454	3	180	9	2919	61	1655	48	1690

BCS 16886	6.7	484	8	2550	1206	1	140	1	187	6	268	38	195
BCS 16888	3.8	1	10	280	861	1	70	1011	14	1	41	1015	2
BCS 16889	2.2	1	16	100	1411	1	30	874	14	1	19	576	1
BCS 16891	1.9	1	75	80	793	1	10	877	14	1	14	169	1
BCS 16892	0.8	1	4	1820	588	2	390	12	21	1	24	66	2
BCS 16893	1.3	1	13	3660	621	2	770	19	23	1	65	116	12
BCS 16894	1.1	15	4	2790	1028	1	160	24	27	1	35	56	20
BCS 16895	0.6	1	3	1720	553	1	580	2	21	1	29	36	2
BCS 16896	2.2	1	5	180	737	1	50	1292	11	1	20	883	6
BCS 16897	17.1	715	57	2160	998	1	120	21	896	15	1752	54	1900
BCS 16898	1.4	19	7	2870	1003	1	200	6	40	1	38	35	59
BCS 16899	434.8	637	117	2180	1852	3	140	7	5643	91	4067	82	4250
BCS 16900	6.1	228	9	3670	1174	2	210	4	108	1	101	57	580
BCS 16901	7.1	356	10	2810	1593	2	150	7	187	5	254	57	393
BCS 16902	2.3	62	6	3550	1273	1	210	6	37	1	79	45	148
BCS 16903	5.8	290	9	2950	1453	2	170	14	71	3	126	68	660
BCS 16904	1.7	32	19	2960	1269	1	180	27	27	1	66	27	21
BCS 16905	1.5	14	16	1970	1238	1	130	31	30	1	71	29	2
BCS 16906	13.6	504	19	2460	2107	1	150	16	572	4	515	55	518
BCS 16907	2.3	167	9	3290	1351	1	250	5	43	1	92	49	446
BCS 16908	11.8	587	13	22850	1657	1	190	3	320	7	402	41	708
BCS 16909	10.7	154	10	2800	1761	1	250	10	151	5	192	47	303
BCS 16910	1.8	35	4	2430	988	1	250	2	33	1	35	44	37
BCS 16911	2.4	133	13	180	1433	1	30	1214	11	1	132	662	1
BCS 16914	13.3	915	21	2830	1321	1	170	13	501	9	899	86	1100
BCS 16915	2.6	2	22	160	1957	1	20	664	11	1	23	508	22
BCS 16919	0.4	1	20	1150	550	2	1600	7	24	1	51	69	2
BCS 16920	1.1	1	18	3130	358	1	1110	22	23	1	38	91	4
BCS 16921	0.7	1	18	1130	441	1	1230	8	25	1	57	68	1
BCS 16922	0.8	1	15	2860	420	1	1220	13	25	1	48	83	1
BCS 16923	0.7	1	19	1070	302	1	1510	6	23	1	49	63	2
BCS 16924	0.8	1	20	920	486	1	1260	12	25	1	47	64	1
BCS 16925	0.4	1	18	1030	257	1	1430	7	23	1	46	59	3
BCS 16926	1.4	1	17	3270	428	1	900	15	33	1	58	75	1
BCS 16927	1.5	1	17	1650	456	1	830	11	30	1	54	77	1
BCS 16928	1.6	1	16	2130	574	1	980	8	26	1	57	73	5
BCS 16929	1	1	21	1150	394	1	940	6	28	1	54	68	2
BCS 16930	0.8	1	24	1060	299	1	1420	6	22	1	52	81	1
BCS 16931	0.8	1	21	730	435	1	1190	10	28	1	54	67	1
BCS 16933	0.3	3	17	970	574	1	830	10	30	1	65	79	1
BCS 16936	1	1	21	850	438	2	1440	9	23	1	55	88	2
BCS 16938	1.4	1	41	6410	611	1	25120	13	63	7	59	36	1

LITHO SAMPLES:

	AL2O3	BAT	CAO	FE2O3	K2O	MGO	MNO2	NA2O	P2O5	SIO2	TIO2	S	TOTAL	LOI
	%	%	%	%	%	%	%	%	%	%	%	%	%	%
BCS 16827	16.46	0.035	1.54	4.43	1.79	6.45	0.08	0.08	0.33	59.89	0.43	0.01	91.53	7.4
BCS 16839	18.59	0.005	1.58	8.44	0.01	23.47	0.13	0.01	0.46	32.69	0.83	0.02	86.22	12.7
BCS 16842	16.11	0.04	3.26	4.58	2.63	3.51	0.11	0.29	0.25	59.01	0.46	0.01	90.26	9.1
BCS 16845	10.86	0.05	9.39	5.69	1.28	9.44	0.19	1.42	0.29	42.6	0.67	0.07	81.94	17.1
BCS 16849	15.23	0.045	3.51	4.76	2.11	3.7	0.13	0.07	0.28	59.62	0.4	0.03	89.89	9.2
BCS 16852	15.32	0.195	2.62	4.32	3.75	3.37	0.07	2.59	0.36	59.99	0.71	0.04	93.33	5.9
BCS 16854	17.32	0.09	5.22	5.11	3.12	2.7	0.13	4.82	0.32	54.07	0.52	0.03	93.45	5.6
BCS 16856	17.62	0.095	4.6	5.25	2.93	2.86	0.13	5.51	0.33	55.41	0.54	0.02	95.3	3.65

BCS 16863	15.47	0.115	3.73	5.16	3.16	3.7	0.09	3.03	0.35	57.8	0.79	0.04	93.43	5.5
BCS 16882	12.14	0.045	6.76	3.21	2.83	3.87	0.23	0.27	0.21	58.04	0.24	1.03	88.87	11.5
BCS 16887	17.61	0.07	3.32	3.79	2.46	2.1	0.13	0.99	0.01	62.34	0.36	0.12	93.3	5.8
BCS 16890	15.7	0.115	3.45	5.03	3.39	3.55	0.08	3.3	0.39	57.71	0.79	0.06	93.56	55.5
BCS 16912	15.35	0.12	5.67	5.94	3.09	3.14	0.1	2.95	0.45	56.44	0.91	0.05	94.22	5.1
BCS 16913	18.03	0.055	5.04	5.68	1.84	1.42	0.16	6.1	0.31	53.81	0.75	0.05	93.23	5.9
BCS 16916	16.94	0.21	5.5	5.05	6.46	1.5	0.07	3.92	0.34	55.35	0.98	0.05	96.37	2.35
BCS 16917	16.41	0.19	9.04	6.92	4.12	1.97	0.15	3.26	0.41	51.94	0.92	0.05	95.37	3.5
BCS 16918	14.27	0.145	8.53	4.84	3.42	3.07	0.08	3.44	0.3	56.34	0.75	0.03	95.22	3.8
BCS 16932	14.65	0.085	6	4.4	2.34	2.14	0.07	4.83	0.13	60.32	0.65	0.04	95.66	3.25
BCS 16934	16.61	0.165	6.29	4.9	5.92	1.81	0.09	3.81	0.33	55.37	0.9	0.06	96.25	2.8
BCS 16935	15.22	0.085	8.62	4.75	2.24	2.32	0.09	4.05	0.14	58.1	0.7	0.03	96.36	2.6
BCS 16937	15.31	0.09	10.51	5.01	2.37	2.15	0.11	3.95	0.16	56.76	0.74	0.05	97.2	1.85
BCS 16939	17.11	0.42	9.36	5.78	5.67	2.35	0.11	3.79	0.64	49.43	0.84	0.04	95.55	3.3
BCS 16940	17.26	0.425	9.9	5.54	5.33	2.61	0.11	4.2	0.61	48.78	0.82	0.05	95.65	3.1
BCS 17730	0.9	0.005	1.07	6.26	0.07	27.56	0.17	0.08	0.26	25.46	0.02	0.04	61.88	36.7
BCS 17735	14.43	0.05	5.38	3.84	3.17	3.46	0.23	0.4	0.23	55.41	0.31	1.32	88.22	12.2
BCS 17737	15.42	0.105	4.15	5.01	2.92	3.44	0.09	2.88	0.34	57.65	0.8	0.06	92.86	6.2

	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCS 16827	1.9	38	18	2	20	2	26	10
BCS 16839	1.8	1	30	61	8	1	119	5
BCS 16842	0.9	18	56	2	15	1	34	5
BCS 16845	2	1	36	40	9	1	73	5
BCS 16849	1.2	15	68	6	21	1	46	185
BCS 16852	1.4	1	981	11	19	1	54	5
BCS 16854	0.9	9	139	11	17	1	36	5
BCS 16856	1.1	1	233	94	17	1	35	5
BCS 16863	1.1	1	386	18	17	1	60	5
BCS 16882	3.9	80	67	10	52	4	72	25
BCS 16887	1.8	23	80	9	30	1	56	5
BCS 16890	1.2	1	562	31	28	1	79	5
BCS 16912	1.5	1	367	21	21	1	65	5
BCS 16913	0.7	19	96	21	24	1	54	5
BCS 16916	0.2	7	102	21	33	1	49	5
BCS 16917	1.9	1	166	11	31	1	72	5
BCS 16918	1.6	1	445	20	30	1	54	5
BCS 16932	1.6	1	70	20	28	1	55	10
BCS 16934	1	11	98	31	44	1	65	5
BCS 16935	1	1	67	20	21	1	56	5
BCS 16937	0.7	13	63	19	34	1	61	5
BCS 16939	1	1	367	41	46	1	60	5
BCS 16940	1.4	1	394	41	45	1	67	5
BCS 17730	1.3	1	11	10	5	1	10	5
BCS 17735	32.6	323	38	21	260	18	529	285
BCS 17737	1.4	41	322	11	28	1	64	5

APPENDIX II

ANALYTICAL RESULTS - ROCK SAMPLES

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OV-0494-RA1

Company: MINNOVA INC.
Project: 661 RAINBOW-TAM
Attn: I.PIRIE/L.LEE

Date: MAY-25-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., GREENWOOD, B.C.

We hereby certify the following Assay of 30 ROCK samples submitted MAY-14-90 by L.LEE.

Sample Number	LOI %
BCS17744	6.90
BCS17745	10.00
BCS17749	5.70
BCS17750	34.60
BCS17752	3.90
BCS17757	0.60
BCS17758	7.30
BCS17759	8.50
BCS17760	6.80
BCS17763	9.00
BCS17765	3.90
BCS17766	6.50
BCS17767	5.70
[redacted]	
[redacted]	
[redacted]	
BCS17730	36.70
BCS17735	12.20
BCS17737	6.20
[redacted]	

Certified by _____

MIN-EN LABORATORIES

MIN
•EN
LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GECCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0494-RG2

Company: MINNOVA INC.
Project: 661 RAINBOW-TAM
Attn: I.PIRIE/L.LEE

Date: MAY-25-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., GREENWOOD, B.C.

We hereby certify the following Geochemical Analysis of 17 ROCK samples submitted MAY-14-90 by L.LEE.

Sample Number	HG PPB	F PPM	TE PPM	PT-FIRE PPB	PD-FIRE PPB
[redacted]					
BCS17730	220	5	0.01	<1	<1
BCS17735	25	265	0.01	<1	<1
BCS17737	5	550	0.01	<1	<1
[redacted]					

Certified by _____

MIN-EN LABORATORIES

MIN
• EN
LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0494-RG3

Company: MINNOVA INC.
Project: 661 RAINBOW-TAM
Attn: I.PIRIE/L.LEE

• Date: MAY-25-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., GREENWOOD, B.C.

We hereby certify the following Geochemical Analysis of 15 ROCK samples submitted MAY-14-90 by L.LEE.

Sample Number	HG PPB	F PPM	TE PPM	PT-FIRE PPB	PD-FIRE PPB
[redacted]					
BCS17731	5	[illegible]	0.01	<1	<1
BCS17732	5	65	0.01	3	<1
BCS17733	75	75	0.01	1	<1
BCS17734	4875	85	0.21	1	<1
BCS17736	180	215	0.01	2	<1
[redacted]					
BCS18481	120	55	3.41	<1	<1
BCS18486	5	90	0.31	<1	<1
BCS18487	5	160	0.01	4	<1

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 661 RAINBOW-TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0494-RJ2
DATE: 90/05/25
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
[redacted]																																
BCS17730	1.3	1970	1	4	12	1.9	1	6530	10.4	48	7	34280	90	2	205710	901	1	10	1547	10	5	1	27	1	1	21.6	6	1	2	1	513	2
BCS17735	34.4	4510	315	3	49	1.2	4	27450	7.3	8	17	23950	2370	1	21290	1543	4	150	48	510	257	18	54	1	1	10.8	530	1	1	1	55	302
BCS17737	1.2	16860	31	3	297	1.6	7	21260	1.6	12	6	29820	2640	18	20060	552	3	390	21	1350	29	1	71	1	1	72.5	55	3	1	1	83	6

COMP: MINNOVA INC.
PROJ: 661 RAINBOW-TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0494-RJ1
DATE: 90/05/25
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCS17744	.3	27	69	1	21	1	52	5
BCS17745	1.0	19	124	53	16	2	50	5
BCS17749	.4	33	95	1	23	1	28	5
BCS17750	1.9	1	8	10	5	1	18	5
BCS17752	.5	33	67	10	26	1	27	5
BCS17757	1.3	23	80	31	25	1	40	5
BCS17758	.5	29	85	1	22	1	42	10
BCS17759	.6	29	58	1	23	1	43	5
BCS17760	.6	32	65	1	25	1	38	5
BCS17763	.7	37	226	64	25	4	53	5
BCS17765	1.3	25	305	12	22	1	55	5
BCS17766	.6	32	180	4	26	1	48	10
BCS17767	1.1	36	456	20	21	1	49	10
[redacted]								
BCS17730	1.3	1	11	10	5	1	10	5
BCS17735	32.6	323	38	21	260	18	529	285
BCS17737	1.4	41	322	11	28	1	64	5
[redacted]								

COMP: MINNOVA INC.
PROJ: 661 RAINBOW-TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-0494-RL1
DATE: 90/05/25
* ROCK * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%) %
BCS17744	16.28	.080	4.30	4.75	1.52	1.87	.13	3.64	.20	58.76	.50	.04	92.06
BCS17745	14.12	.030	7.05	9.34	.38	7.10	.20	3.55	.44	45.51	1.14	.09	88.94
BCS17749	16.43	.085	3.65	4.49	1.39	2.11	.10	3.99	.18	60.77	.46	.04	93.68
BCS17750	.68	.005	20.59	4.46	.09	12.84	.23	.07	.30	24.82	.01	.19	64.28
BCS17752	16.88	.050	3.59	4.01	.61	2.29	.08	4.90	.11	62.24	.37	.03	95.16
BCS17757	18.88	.060	3.45	5.60	2.74	2.09	.17	6.67	.24	57.93	.74	.05	98.62
BCS17758	16.30	.110	5.31	4.44	2.09	1.76	.14	2.16	.18	58.87	.46	.05	91.86
BCS17759	15.81	.070	5.96	4.97	2.04	1.61	.13	2.14	.18	57.14	.47	.06	90.59
BCS17760	16.63	.080	4.26	3.92	2.94	2.10	.11	1.24	.17	60.51	.37	.17	92.51
BCS17763	16.09	.050	7.03	8.02	1.47	4.86	.17	3.58	.36	47.63	.84	.08	90.19
BCS17765	16.32	.120	3.30	5.07	2.97	3.09	.10	3.99	.28	58.91	.81	.02	94.98
BCS17766	16.94	.035	4.20	5.57	1.70	2.42	.14	5.32	.25	55.40	.70	.05	92.71
BCS17767	15.64	.130	4.02	5.06	2.97	3.06	.08	3.41	.38	57.61	.81	.04	93.21
[redacted]													
BCS17730	.90	.005	1.07	6.26	.07	27.56	.17	.08	.26	25.46	.02	.04	61.88
BCS17735	14.43	.050	5.38	3.84	3.17	3.46	.23	.40	.23	55.41	.31	1.32	88.22
BCS17737	15.42	.105	4.15	5.01	2.92	3.44	.09	2.88	.34	57.65	.80	.06	92.86

COMP: MINNOVA INC.
PROJ: 661 RAINBOW-TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-0494-RJ3
DATE: 90/05/25
• ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
[redacted]																																
BCS17731	.1	3040	47	1	27	.2	1	3390	.5	5	5	3580	80	3	2770	76	1	10	73	30	8	9	8	1	1	4.5	5	1	1	1	115	726
BCS17732	.1	1520	13	1	7	.1	2	3080	.6	1	5	2630	50	2	1850	49	5	10	14	20	6	3	5	1	1	3.0	5	1	1	1	159	56
BCS17733	1.3	2910	173	1	497	.4	2	10300	2.3	9	6	6770	60	2	8700	168	4	10	191	60	15	14	41	1	1	7.6	5	1	1	1	150	4
BCS17734	499.7	1440	12400	7	48	1.5	5	14090	229.2	12	580	91580	700	1	8640	2583	6	30	1	190	11958	617	24	1	1	3.2	21383	1	1	1	69	7000
BCS17736	6.1	4250	368	3	48	.9	2	25720	4.1	8	12	22330	2260	1	12050	909	1	120	5	550	104	12	40	1	1	8.6	118	1	1	1	36	40
[redacted]																																

COMP: MINNOVA INC.
PROJ: 661 RAINBOW TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0676-RL1
DATE: 90/06/20
* ROCK * (ACT:FIRE)

SAMPLE NUMBER	AL203 %	BAT %	CAO %	FE203 %	K20 %	MGO %	MNO2 %	NA20 %	P205 %	SIO2 %	TIO2 %	S %	TOT(%) %
BCS16827	16.46	.035	1.54	4.43	1.79	6.45	.08	.08	.33	59.89	.43	.01	91.53
BCS16839	18.59	.005	1.58	8.44	.01	23.47	.13	.01	.46	32.69	.83	.02	86.22
BCS16842	16.11	.040	3.26	4.58	2.63	3.51	.11	.29	.25	59.01	.46	.01	90.26
BCS16845	10.86	.050	9.39	5.69	1.28	9.44	.19	1.42	.29	42.60	.67	.07	81.94
BCS16849	15.23	.045	3.51	4.76	2.11	3.70	.13	.07	.28	59.62	.40	.03	89.89
BCS16852	15.32	.195	2.62	4.32	3.75	3.37	.07	2.59	.36	59.99	.71	.04	93.33
BCS16854	17.32	.090	5.22	5.11	3.12	2.70	.13	4.82	.32	54.07	.52	.03	93.45
BCS16856	17.62	.095	4.60	5.25	2.93	2.86	.13	5.51	.33	55.41	.54	.02	95.30
BCS17770	16.09	.050	5.04	3.79	2.65	2.41	.10	.75	.25	58.01	.35	.12	89.62

MIN
• EN
LABORATORIES [redacted].

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OV-0676-RA1

Company: MINNOVA INC.
Project: 661 RAINBOW TAM
Attn: I.PIRIE/L.LEE

• Date: JUN-20-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., GREENWOOD, B.C.

We hereby certify the following Assay of 9 ROCK samples submitted JUN-12-90 by LINDA LEE.

Sample Number	LOI %
BCS16827	7.40
BCS16839	12.70
BCS16842	9.10
BCS16845	17.10
BCS16849	9.20
BCS16852	5.90
BCS16854	5.60
BCS16856	3.65
BCS17770	9.60

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 661 RAINBOW TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0676-RJ1
DATE: 90/06/20
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	K PPM	MN PPM	MO PPM	NA PPM	NI PPM	PB PPM	SB PPM	ZN PPM	CR PPM	AU PPB
BCS16827	1.9	38	18	2	660	225	3	20	21	20	2	26	25	10
BCS16839	1.8	1	30	61	160	576	1	20	87	8	1	119	25	5
BCS16842	.9	18	56	2	2390	621	2	50	28	15	1	34	32	5
BCS16845	2.0	1	36	40	490	1167	1	110	43	9	1	73	111	5
BCS16849	1.2	15	68	6	1910	802	1	30	15	21	1	46	36	185
BCS16852	1.4	1	981	11	4640	450	1	550	23	19	1	54	87	5
BCS16854	.9	9	139	11	1640	738	1	510	13	17	1	36	60	5
BCS16856	1.1	1	233	94	1880	644	1	1060	9	17	1	35	76	5
BCS17770	.8	22	47	6	1620	626	1	240	4	22	1	26	37	5

COMP: MINNOVA INC.
PROJ: 661
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0725-RJ2+3
DATE: 90/06/27
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	K PPM	MN PPM	MO PPM	NA PPM	NI PPM	PB PPM	SB PPM	ZN PPM	CR PPM	AU PPB
BCS17775	.4	103	8	1860	52	3	150	19	25	1	15	84	1010
BCS17776	1.3	607	5	120	454	2	20	838	24	18	8	252	2640
BCS17777	.8	32	7	270	1612	4	60	22	28	1	15	168	37
BCS17778	.1	34	5	1310	135	3	40	32	18	1	18	184	3
BCS17779	.2	27	9	1260	182	4	40	27	21	1	22	137	8
BCS17780	5.2	29	160	260	4133	1	70	538	66	6	64	235	28
BCS17781	2.7	94	11	100	1623	1	20	1261	12	8	23	379	6
BCS17783	1.4	1195	5	150	737	5	20	1483	28	205	10	408	9
BCS17784	1.8	527	11	190	733	1	20	1460	12	24	14	389	11
BCS17786	1.9	135	5	230	878	1	40	345	13	4	14	303	2
BCS17787	2.4	24	7	70	1144	1	20	331	12	4	11	326	3
BCS17789	2.8	22	25	80	2696	1	40	1093	12	4	30	602	2
BCS17790	1.3	198	10	120	516	3	20	1092	20	12	20	575	1
BCS17795	.5	7	7	1950	757	1	130	61	23	1	33	47	2
BCS17796	3.3	925	12	330	1220	11	20	1867	35	42	24	412	73
BCS17797	.9	637	7	320	659	4	20	907	25	27	10	238	26
BCS17800	2.3	28	17	60	6526	1	20	588	16	3	13	279	3
BCS13876	2.4	1	47	50	708	1	10	2154	12	1	20	563	2
BCS13879	1.4	1	22	50	562	1	20	1742	12	1	15	249	2
BCS16861	1.3	1	14	180	513	1	20	639	14	1	15	489	2
BCS16862	2.2	1	8	120	538	1	40	1095	14	1	22	775	1
BCS16864	1.5	1	16	3680	606	1	600	52	25	1	65	118	4
BCS16865	1.4	1	13	3810	655	1	580	24	26	1	63	103	18
BCS16866	2.7	114	19	2850	482	4	110	25	150	1	150	71	357
BCS16867	7.3	529	13	2480	1920	2	180	193	144	6	335	119	213
BCS16868	3.7	214	6	2930	1613	2	170	24	68	2	207	32	83
BCS16869	10.4	386	15	2470	1546	2	160	9	243	9	922	41	388
BCS16870	6.4	565	8	2790	1229	2	180	6	128	7	156	47	380
BCS16871	320.4	4071	215	2240	2553	2	170	114	958	225	3760	102	6600
BCS16872	6.7	1140	6	2180	1715	2	150	11	85	6	262	44	375
BCS16873	6.6	961	8	2570	1642	3	140	6	110	5	406	58	405
BCS16874	24.1	546	27	2450	1279	3	150	9	130	20	1178	51	308
BCS16875	10.5	480	8	2380	2052	3	140	6	200	6	219	42	199
BCS16876	18.8	1869	13	1910	1078	2	140	1	355	17	2547	46	1500
BCS16877	8.8	531	6	2190	1345	1	170	2	119	5	103	41	338
BCS16878	169.0	3542	82	1850	1448	4	130	4	1792	112	6270	49	2650
BCS16879	4.7	251	6	2920	1412	2	200	2	76	2	223	40	111
BCS16880	285.1	4313	70	2500	1114	3	150	1	1688	218	2556	56	2850
BCS16881	11.5	360	7	2830	1261	1	150	3	182	7	149	35	103
BCS16883	11.0	103	16	2430	1263	2	160	4	186	11	501	38	37
BCS16884	342.2	4913	148	1960	1922	6	130	3	2946	194	5394	60	4200
BCS16885	118.4	2422	37	2540	1454	3	180	9	2919	61	1655	48	1690
BCS16886	6.7	484	8	2550	1206	1	140	1	187	6	268	38	195
BCS16888	3.8	1	10	280	861	1	70	1011	14	1	41	1015	2
BCS16889	2.2	1	16	100	1411	1	30	874	14	1	19	576	1
BCS16891	1.9	1	75	80	793	1	10	877	14	1	14	169	1
BCS16892	.8	1	4	1820	588	2	390	12	21	1	24	66	2
BCS16893	1.3	1	13	3660	621	2	770	19	23	1	65	116	12
BCS16894	1.1	15	4	2790	1028	1	160	24	27	1	35	56	20

COMP: MINNOVA INC.
PROJ: 661
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-0725-RJ1
DATE: 90/07/03
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCS17774	.3	1	245	19	16	1	49	5
BCS17782	2.1	58	12	11	13	8	28	5
BCS17785	2.1	1	29	28	13	2	16	5
BCS17788	1.9	1	8	11	13	1	31	5
BCS17791	.2	1	120	46	15	1	90	5
BCS17792	1.4	1	140	23	17	1	65	5
BCS17793	.1	7	62	8	22	1	23	5
BCS17794	1.0	1	144	22	22	1	68	10
BCS17798	2.1	1	163	46	34	1	76	5
BCS17799	2.2	1	120	43	30	1	72	5
BCS13877	1.9	1	17	13	13	1	20	5
BCS13878	.6	1	78	9	13	1	29	5
BCS16863	1.1	1	386	18	17	1	60	5
BCS16882	3.9	80	67	10	52	4	72	25
BCS16887	1.8	23	80	9	30	1	56	5
BCS16890	1.2	1	562	31	28	1	79	5
BCS16912	1.5	1	367	21	21	1	65	5
BCS16913	.7	19	96	21	24	1	54	5

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-0725-RA2

Company: MINNOVA INC.
Project: 661
Attn: I.PIRIE/L.LEE

Date: JUL-03-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., GREENWOOD, B.C.

We hereby certify the following Assay of 18 ROCK samples submitted JUN-20-90 by LINDA LEE.

Sample Number	LOI %
BCS17774	6.80
BCS17782	32.50
BCS17785	30.60
BCS17788	30.10
BCS17791	4.75
BCS17792	5.50
BCS17793	2.25
BCS17794	5.60
BCS17798	5.70
BCS17799	3.20
BCS13877	15.10
BCS13878	9.20
BCS16863	5.50
BCS16882	11.50
BCS16887	5.80
BCS16890	5.50
BCS16912	5.10
BCS16913	5.90

Certified by

MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-0725-RA1

Company: MINNOVA INC.
Project: 661
Attn: I.PIRIE/L.LEE

Date: JUL-04-90

Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., GREENWOOD, B.C.

We hereby certify the following Assay of 12 ROCK samples submitted JUN-20-90 by LINDA LEE.

Sample Number	AU g/tonne	AU oz/ton	AG g/tonne	AG oz/ton
BCS17775	1.20	.035	1.6	.05
BCS17776	3.05	.089	2.5	.07
[redacted]				
BCS16871	8.02	.234	340.0	9.92
BCS16876	1.42	.041	22.7	.66
BCS16878	2.60	.076	181.0	5.28
BCS16880	2.97	.087	281.0	8.20
BCS16884	4.85	.141	376.0	10.97
BCS16885	1.62	.047	116.0	3.38
BCS16897	2.60	.076	17.6	.51
BCS16899	5.16	.151	427.0	12.45
BCS16914	1.15	.034	15.8	.46

Certified by

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 661 RAINBOW TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0950-RJ2
DATE: 90/07/24
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCS 13883	2.2	10	19	15	29	5	28	10
BCS 13884	.5	8	56	35	32	1	38	5
BCS 13888	.4	1	25	54	12	1	31	.5
BCS 13890	1.2	1	99	48	37	1	57	5
BCS 13894	.3	3	68	90	29	1	45	5
BCS 13896	.8	1	319	18	24	1	57	5
BCS 13900	.6	1	216	11	33	1	51	5
BCS 13901	.9	1	339	18	28	1	49	5
BCS 13907	.9	1	20	12	12	1	8	5

COMP: MINNOVA INC.
PROJ: 661 RAINBOW TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0950-RL2
DATE: 90/07/24
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL203 %	BAT %	CAO %	FE203 %	K20 %	MGO %	MNO2 %	NA20 %	P205 %	SIO2 %	TIO2 %	S %	TOT(%) %
BCS 13883	.78	.005	20.80	5.36	.02	10.32	.12	.05	.04	34.86	.02	.19	72.59
BCS 13884	15.80	.035	8.38	5.75	3.04	4.45	.13	4.28	.19	47.25	.73	.08	90.12
BCS 13888	12.90	.015	4.94	7.37	.54	9.36	.16	2.92	.07	49.92	.35	.05	88.61
BCS 13890	15.64	.285	3.96	5.72	6.59	2.48	.10	3.04	.37	56.30	.96	.03	95.49
BCS 13894	14.82	.070	9.19	5.11	1.28	3.53	.15	3.84	.09	51.51	.59	.09	90.27
BCS 13896	14.58	.140	8.21	5.50	3.17	3.47	.11	3.31	.43	54.80	.88	.05	94.67
BCS 13900	16.39	.205	6.13	4.75	5.31	1.68	.09	3.78	.24	55.75	.79	.04	95.15
BCS 13901	14.66	.135	8.44	5.40	3.44	3.22	.09	3.45	.28	56.85	.79	.03	96.80
BCS 13907	.66	.005	4.29	4.98	.09	23.00	.13	.07	.02	35.38	.02	.10	68.76

MIN
• EN
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-0950-RA1

Company: MINNOVA INC.
Project: 661 RAINBOW TAM
Attn: I.PIRIE/L.LEE

Date: JUL-24-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., GREENWOOD, B.C.

We hereby certify the following Assay of 10 ROCK samples submitted JUL-19-90 by L.LEE.

Sample Number	LOI %
BCS 13883	25.50
BCS 13884	8.80
BCS 13888	10.70
BCS 13889	NOSAMPLE
BCS 13890	3.35
BCS 13894	8.80
BCS 13896	4.40
BCS 13900	3.60
BCS 13901	2.00
BCS 13907	30.10

Certified by

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 661 RAINBOW TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-0950-RJ1
DATE: 90/07/25
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	K PPM	MN PPM	MO PPM	NA PPM	NI PPM	PB PPM	SB PPM	ZN PPM	CR PPM	AU PPB
BCS 13880	.6	1	12	120	1097	1	50	1373	13	1	17	266	1
BCS 13881	.6	1	20	1820	683	1	170	30	50	1	29	71	2
BCS 13882	1.6	1	10	130	1528	1	30	680	13	1	13	174	2
BCS 13885	.8	1	23	180	612	1	70	1621	13	1	17	351	1
BCS 13886	.1	1	10	3770	440	1	220	62	27	1	50	50	1
BCS 13887	.8	1	14	130	420	1	60	1261	13	1	20	502	4
BCS 13889	.9	1	12	110	688	1	20	1408	13	1	27	656	2
BCS 13891	.7	1	10	50	458	1	10	781	13	1	20	617	1
BCS 13892	1.6	1	9	80	769	1	10	746	13	1	14	184	3
BCS 13893	1.1	1	19	70	470	1	10	1023	13	1	22	421	2
BCS 13895	.4	10	9	2230	573	2	290	13	28	1	40	42	14
BCS 13897	.6	16	9	2040	595	1	450	9	26	1	35	49	2
BCS 13898	.6	25	20	2780	637	3	400	4	29	1	31	54	20
BCS 13899	1.1	48	10	2360	993	1	420	95	34	1	48	153	54
BCS 13902	1.0	166	7	100	547	1	20	656	20	4	17	637	10
BCS 13903	46.5	990	571	110	5182	1	30	492	6767	92	5531	417	580
BCS 13904	1.9	41	32	120	1212	1	80	1061	51	8	216	471	2
BCS 13905	.5	23	9	3020	1177	2	280	13	48	1	58	45	1
BCS 13906	.1	56	8	190	94	2	30	187	25	1	11	239	2
BCS 13908	.7	470	10	110	358	4	20	861	22	9	12	243	210
BCS 13909	.1	75	8	50	133	2	20	101	22	1	7	188	19

COMP: MINNOVA INC
PROJ: 661 RAINBOW TAM
ATTN: IAN PIRIE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-0949-RJ2
DATE: 90/07/25
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	K PPM	MN PPM	MO PPM	NA PPM	NI PPM	PB PPM	SB PPM	ZN PPM	CR PPM	AU PPB
BCS 16919	.4	1	20	1150	550	2	1600	7	24	1	51	69	2
BCS 16920	1.1	1	18	3130	358	1	1110	22	23	1	38	91	4
BCS 16921	.7	1	18	1130	441	1	1230	8	25	1	57	68	1
BCS 16922	.8	1	15	2860	420	1	1220	13	25	1	48	83	1
BCS 16923	.7	1	19	1070	302	1	1510	6	23	1	49	63	2
BCS 16924	.8	1	20	920	486	1	1260	12	25	1	47	64	1
BCS 16925	.4	1	18	1030	257	1	1430	7	23	1	46	59	3
BCS 16926	1.4	1	17	3270	428	1	900	15	33	1	58	75	1
BCS 16927	1.5	1	17	1650	456	1	830	11	30	1	54	77	1
BCS 16928	1.6	1	16	2130	574	1	980	8	26	1	57	73	5
BCS 16929	1.0	1	21	1150	394	1	940	6	28	1	54	68	2
BCS 16930	.8	1	24	1060	299	1	1420	6	22	1	52	81	1
BCS 16931	.8	1	21	730	435	1	1190	10	28	1	54	67	1
BCS 16933	.3	3	17	970	574	1	830	10	30	1	65	79	1
BCS 16936	1.0	1	21	850	438	2	1440	9	23	1	55	88	2
BCS 16938	1.4	1	41	6410	611	1	25120	13	63	7	59	35	1

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-0949-RA1

Company: MINNOVA INC.
Project: 661 RAINBOW TAM
Attn: I.PIRIE/L.LEE

Date: JUL-26-90
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., GREENWOOD, B.C.

We hereby certify the following Assay of 9 ROCK samples submitted JUL-19-90 by LINDA LEE.

Sample Number	LOI %
BCS16916	2.35
BCS16917	3.50
BCS16918	3.80
BCS16932	3.25
BCS16934	2.80
BCS16935	2.60
BCS16937	1.85
BCS16939	3.30
BCS16940	3.10

Certified by

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 661 RAINBOW TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0949-RJ1
DATE: 90/07/26
• • (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCS16916	.2	7	102	21	33	1	49	5
BCS16917	1.9	1	166	11	31	1	72	5
BCS16918	1.6	1	445	20	30	1	54	5
BCS16932	1.6	1	70	20	28	1	55	10
BCS16934	1.0	11	98	31	44	1	65	5
BCS16935	1.0	1	67	20	21	1	56	5
BCS16937	.7	13	63	19	34	1	61	5
BCS16939	1.0	1	367	41	46	1	60	5
BCS16940	1.4	1	394	41	45	1	67	5

COMP: MINNOVA INC.
PROJ: 661 RAINBOW TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0949-RL1
DATE: 90/07/26
• ROCK • (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%) %
BCS 16916	16.94	.210	5.50	5.05	6.46	1.50	.07	3.92	.34	55.35	.98	.05	96.37
BCS 16917	16.41	.190	9.04	6.92	4.12	1.97	.15	3.26	.41	51.94	.92	.05	95.37
BCS 16918	14.27	.145	8.53	4.84	3.42	3.07	.08	3.44	.30	56.34	.75	.03	95.22
BCS 16932	14.65	.085	6.00	4.40	2.34	2.14	.07	4.83	.13	60.32	.65	.04	95.66
BCS 16934	16.61	.165	6.29	4.90	5.92	1.81	.09	3.81	.33	55.37	.90	.06	96.25
BCS 16935	15.22	.085	8.62	4.75	2.24	2.32	.09	4.05	.14	58.10	.70	.03	96.36
BCS 16937	15.31	.090	10.51	5.01	2.37	2.15	.11	3.95	.16	56.76	.74	.05	97.20
BCS 16939	17.11	.420	9.36	5.78	5.67	2.35	.11	3.79	.64	49.43	.84	.04	95.55
BCS 16940	17.26	.425	9.90	5.54	5.33	2.61	.11	4.20	.61	48.78	.82	.05	95.65

COMP: MINNOVA INC.
PROJ: 658/661
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-1074-RJ1+2
DATE: 90/08/09
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	K PPM	MN PPM	MO PPM	NA PPM	NI PPM	PB PPM	SB PPM	ZN PPM	CR PPM	AU PPB
[redacted]													
BCD13912	1.0	206	8	160	952	2	20	1070	27	1	10	409	4
BCD13913	.1	129	7	240	471	4	10	1009	16	1	13	507	2
BCD13914	.9	1	4	70	187	1	10	589	10	1	11	382	1
BCD13915	11.6	1	41	700	10240	600	630	102	25	1	24	691	1
BCD13916	18.2	1	81	120	24184	2	50	7382	11	1	20	4701	1
BCD13917	22.6	1	54	710	15964	2	60	1208	11	1	7	1651	1
BCD13919	13.4	1	44	5510	16679	2	490	141	21	1	21	426	4

Rainbow grid

COMP: MINNOVA INC.
PROJ: 658/661
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-1074-RJ3
DATE: 90/08/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
[redacted]								
BCD13910	1.4	1	276	24	29	1	60	5
BCD13911	2.7	1	117	45	37	1	72	5
BCD13918	.5	1	92	7	28	1	34	5

COMP: MINNOVA INC.
PROJ: 658/661
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-1074-RL3
DATE: 90/08/17
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%) %
[redacted]													
BCD13910	19.36	.325	4.57	4.27	5.78	1.38	.09	5.11	.32	53.55	.60	.01	95.37
BCD13911	14.46	.235	8.10	7.28	4.53	4.36	.13	4.32	.72	49.30	.86	.01	94.31
BCD13918	14.41	.125	.98	2.77	3.44	.54	.05	4.53	.01	69.63	.37	.01	96.87

MIN
• EN
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OV-1074-RA3

Company: MINNOVA INC. • Date: AUG-17-90
Project: 658/661 Copy 1. MINNOVA INC., VANCOUVER, B.C.
Attn: I.PIRIE/L.LEE 2. MINNOVA INC., GREENWOOD, B.C.

We hereby certify the following Assay of 6 ROCK samples submitted AUG-04-90 by L.LEE.

Sample Number	LOI %
[redacted]	
BCD13910	3.25
BCD13911	3.90
BCD13918	2.15

Certified by _____

MIN-EN LABORATORIES

APPENDIX III

ANALYTICAL RESULTS - SOIL SAMPLES

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Minnova Inc. PROJECT 661 File # 90-1233 Page 1

3rd floor-311 Water St., Vancouver B.C Canada V6B 1B8 Submitted by: LINDA LEE

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
100+00N 75+25E	1	24	20	110	.1	26	13	755	4.59	4	5	ND	2	112	.7	2	5	90	.87	.176	32	100	1.47	401	.34	7	1.63	.03	.48	1	3
100+00N 75+50E	1	20	20	77	.1	23	13	453	4.56	4	5	ND	5	66	.9	2	2	99	.59	.093	39	79	1.27	240	.34	2	1.88	.02	.32	1	3
100+00N 75+75E	1	10	7	34	.1	10	6	321	1.77	6	5	ND	5	58	.5	2	2	40	.22	.026	25	21	.31	98	.11	2	1.01	.02	.11	1	1
100+00N 76+00E	1	13	28	58	.1	7	6	378	1.70	9	5	ND	5	65	.5	2	2	24	.21	.036	44	14	.33	95	.04	2	1.24	.03	.17	1	4
100+00N 76+25E	1	12	19	49	.1	10	5	361	1.94	5	5	ND	7	77	.5	2	2	36	.27	.033	39	22	.36	116	.11	2	1.13	.02	.22	1	5
100+00N 76+50E	1	15	17	43	.2	12	6	405	1.95	7	5	ND	6	65	.5	2	2	39	.28	.044	35	22	.33	102	.12	3	1.03	.03	.15	1	3
100+00N 76+75E	1	13	12	29	.1	9	5	295	1.96	6	5	ND	5	55	.2	2	2	43	.26	.057	30	21	.28	74	.09	2	.84	.02	.11	1	7
100+00N 77+00E	1	16	15	41	.1	12	6	350	2.13	7	5	ND	6	66	.2	2	2	46	.32	.063	34	21	.30	82	.10	2	.94	.01	.14	1	5
100+00N 77+25E	1	14	16	37	.1	10	5	347	2.02	8	5	ND	7	63	.2	2	2	42	.29	.066	34	18	.29	79	.09	2	.78	.02	.16	1	6
100+00N 77+50E	1	14	12	45	.1	11	5	443	2.33	8	5	ND	5	65	.2	2	3	56	.33	.077	35	23	.25	89	.11	2	.98	.02	.14	1	4
100+00N 77+75E	1	10	9	44	.1	8	4	562	1.73	6	5	ND	4	74	.2	2	4	38	.36	.071	30	16	.21	101	.09	2	.81	.01	.10	1	5
100+00N 78+00E	1	12	12	30	.1	7	5	329	1.92	6	5	ND	6	64	.2	2	2	41	.28	.069	32	17	.21	74	.09	2	.88	.02	.14	1	5
100+00N 78+25E	1	14	9	39	.1	8	5	496	1.70	6	5	ND	2	138	.5	2	2	34	.43	.094	29	16	.21	117	.09	2	1.04	.02	.14	2	2
100+00N 78+50E	1	15	11	42	.1	8	5	521	1.60	4	5	ND	2	189	.4	2	2	31	.36	.066	25	16	.27	123	.10	2	1.39	.03	.11	1	1
100+00N 78+75E	1	20	15	42	.1	10	6	539	1.84	12	5	ND	4	209	.5	2	2	34	.48	.090	32	18	.32	130	.11	2	1.31	.02	.20	1	15
100+00N 79+00E	1	14	12	40	.1	8	5	394	1.66	8	5	ND	4	218	.2	2	2	27	.34	.039	27	17	.31	99	.10	2	1.12	.02	.19	1	4
100+00N 79+25E	1	23	8	69	.1	6	4	597	1.09	9	5	ND	1	137	.2	2	2	24	.61	.116	9	9	.16	122	.07	2	.65	.02	.06	1	3
100+00N 79+50E	1	16	13	50	.1	9	5	487	1.54	6	5	ND	2	100	.2	2	2	29	.47	.085	26	15	.23	142	.10	2	1.41	.02	.15	1	143
100+00N 79+75E	1	14	9	55	.1	8	5	503	1.76	9	5	ND	3	77	.4	2	2	33	.32	.054	26	15	.27	131	.13	2	1.74	.02	.14	1	16
100+00N 80+00E	1	26	13	89	.1	13	9	679	2.64	5	5	ND	2	140	.4	2	2	54	.67	.146	24	39	.76	143	.17	2	1.47	.02	.19	1	4
100+00N 80+25E	1	19	12	45	.1	9	6	502	1.85	7	5	ND	3	218	.2	2	2	34	.51	.094	31	22	.33	165	.12	2	1.40	.02	.17	1	3
100+00N 80+50E	1	16	22	45	.1	10	6	460	2.06	6	5	ND	5	128	.3	2	2	39	.46	.084	38	21	.30	161	.14	2	1.77	.02	.17	1	4
100+00N 80+75E	1	18	12	45	.1	9	5	461	1.88	3	5	ND	2	205	.2	2	2	38	.48	.102	28	24	.34	153	.12	2	1.44	.02	.20	1	2
100+00N 81+00E	1	17	9	54	.1	8	6	513	1.61	7	5	ND	1	117	.2	2	2	30	.54	.102	34	14	.24	159	.10	3	1.51	.02	.16	1	4
100+00N 81+25E	1	16	9	45	.1	7	4	423	1.63	6	5	ND	1	110	.2	2	2	31	.51	.095	30	14	.24	174	.11	2	1.76	.02	.15	1	2
100+00N 81+50E	1	16	15	63	.1	10	5	526	1.84	2	5	ND	1	121	.4	2	2	33	.55	.095	26	20	.32	213	.14	4	1.91	.02	.15	1	1
100+00N 81+75E	1	19	9	50	.1	10	5	476	1.69	4	5	ND	2	277	.2	2	2	28	.61	.087	27	17	.31	147	.10	4	1.46	.02	.23	1	4
100+00N 82+00E	1	23	11	91	.1	10	9	888	2.08	22	5	ND	1	260	.3	2	2	34	.71	.119	35	22	.40	126	.10	2	2.00	.02	.12	1	3
100+00N 82+25E	2	23	22	89	.1	11	9	576	2.21	16	5	ND	3	190	.3	2	2	35	.40	.146	60	14	.32	133	.11	2	2.22	.02	.14	1	5
100+00N 82+50E	1	24	22	60	.1	10	7	477	1.92	7	5	ND	7	302	.2	2	2	31	.68	.151	73	15	.33	145	.08	2	1.54	.02	.26	1	1
100+00N 82+75E	1	23	20	54	.1	12	7	539	2.07	7	5	ND	6	317	.2	2	2	38	.63	.112	54	21	.35	152	.12	2	1.73	.02	.20	1	4
75+00E 100+00N	1	19	14	60	.1	10	5	394	1.89	4	5	ND	2	163	.2	2	2	43	.74	.096	32	23	.35	90	.09	2	.87	.02	.10	1	4
75+00E 99+75N	1	9	4	20	.1	4	2	165	1.09	5	5	ND	1	87	.2	2	2	22	.29	.074	7	10	.13	99	.07	2	.51	.03	.08	1	2
75+00E 99+50N	1	16	11	60	.1	19	10	378	2.90	3	5	ND	1	101	.2	2	2	59	.64	.152	24	54	1.03	292	.24	2	.95	.03	.31	1	4
75+00E 99+25N	1	22	19	102	.1	28	15	427	5.99	7	5	ND	4	87	.2	4	2	149	.80	.245	37	107	1.72	119	.31	2	1.30	.02	.37	1	4
75+00E 99+00N	1	18	17	63	.1	12	6	500	2.18	7	5	ND	2	169	.2	2	3	53	.87	.110	32	34	.47	131	.16	2	.84	.02	.12	1	3
STANDARD C/AU-S	18	58	44	130	7.0	67	31	1062	4.13	43	17	7	38	49	18.8	15	21	60	.49	.095	39	56	.89	176	.08	34	1.90	.06	.13	11	53

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 9 1990 **DATE REPORT MAILED:** May 14/90 **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
75+00E 98+75N	1	8	9	42	.1	9	4	602	1.05	2	5	ND	1	49	.2	2	2	19	.28	.024	13	10	.15	87	.07	3	1.01	.02	.09	1	2
75+00E 98+50N	1	8	7	37	.1	6	3	554	.96	2	5	ND	1	48	.2	2	2	20	.29	.024	11	9	.14	91	.07	4	.84	.02	.10	1	1
75+00E 98+25N	1	10	7	48	.1	9	5	634	1.56	2	5	ND	3	55	.2	2	2	30	.36	.025	22	22	.31	111	.11	2	1.24	.02	.15	1	2
75+00E 98+00N	1	16	19	60	.1	16	7	480	2.24	2	5	ND	4	61	.5	2	2	43	.46	.040	30	37	.62	128	.17	3	1.54	.02	.23	1	1
75+00E 97+75N	1	10	8	45	.1	10	5	492	1.49	5	5	ND	3	46	.2	2	3	27	.25	.028	23	19	.31	126	.11	5	1.21	.02	.17	1	2
75+00E 97+50N	1	9	10	41	.1	10	5	220	1.42	2	5	ND	4	32	.2	2	2	28	.14	.028	20	13	.22	83	.10	2	1.41	.01	.08	1	3
75+00E 97+25N	1	19	7	57	.1	15	7	523	2.20	3	5	ND	5	60	.2	2	4	46	.45	.066	41	34	.59	155	.16	2	1.31	.02	.23	1	2
75+00E 97+00N	1	15	10	47	.1	20	6	476	1.87	2	5	ND	6	65	.2	2	3	34	.34	.047	34	26	.46	128	.12	2	1.26	.02	.22	1	3
75+00E 96+75N	1	10	11	57	.2	11	5	380	1.53	4	5	ND	3	68	.3	2	2	29	.28	.038	22	20	.29	138	.12	5	1.26	.02	.17	1	1
75+00E 96+50N	1	8	10	48	.1	10	4	171	1.46	5	5	ND	4	38	.2	2	2	28	.16	.043	19	14	.22	83	.10	2	1.29	.02	.08	1	2
75+00E 96+25N	1	13	11	48	.1	9	5	458	1.58	2	5	ND	6	49	.2	2	2	33	.25	.037	32	17	.25	107	.10	2	1.15	.02	.17	1	1
75+00E 96+00N	1	18	9	47	.1	12	6	530	1.62	9	5	ND	5	76	.2	2	4	35	.39	.087	40	17	.34	102	.09	3	.93	.02	.17	2	2
75+00E 95+75N	1	19	12	54	.1	13	6	457	1.65	9	5	ND	4	89	.2	2	2	36	.51	.092	38	18	.29	107	.09	4	1.02	.02	.17	1	1
75+00E 95+50N	1	17	12	50	.2	11	6	391	1.76	5	5	ND	5	68	.4	2	4	40	.39	.080	39	19	.30	97	.09	5	.98	.02	.14	1	6
75+00E 95+25N	1	27	12	70	.1	21	9	558	2.28	12	5	ND	7	101	.2	2	6	48	.58	.105	49	30	.69	135	.09	2	1.43	.02	.26	1	4
75+00E 95+00N	1	21	14	62	.1	17	7	459	1.97	2	5	ND	6	92	.6	2	4	43	.45	.116	45	25	.46	116	.10	2	1.19	.01	.23	1	1
75+00E 94+75N	1	23	15	67	.1	32	8	454	2.21	3	5	ND	7	96	.2	2	4	44	.55	.107	42	34	.74	125	.12	2	1.38	.02	.19	1	3
75+00E 94+50N	1	15	9	47	.1	17	7	412	2.07	3	5	ND	4	47	.2	2	3	47	.39	.056	26	36	.49	129	.17	6	1.60	.02	.11	1	3
75+00E 94+25N	1	13	11	46	.1	12	6	395	1.68	2	5	ND	1	46	.2	2	3	41	.57	.089	17	38	.61	174	.18	2	.82	.02	.15	1	1
75+00E 94+00N	1	19	7	69	.1	29	14	707	3.06	4	5	ND	2	64	.2	2	2	54	.63	.066	27	79	1.64	121	.15	2	1.73	.02	.25	1	2
75+00E 93+75N	1	9	11	33	.1	66	6	428	1.15	2	5	ND	2	50	.5	2	2	22	.27	.043	14	37	.40	99	.07	2	.62	.02	.14	1	1
75+00E 93+50N	1	19	13	52	.1	17	7	429	2.04	2	5	ND	6	98	.2	2	2	36	.44	.043	39	28	.47	160	.10	2	1.54	.02	.20	1	2
75+00E 93+25N	1	17	17	50	.1	14	7	552	1.75	3	5	ND	6	69	.2	2	4	37	.34	.056	42	21	.38	114	.09	2	1.11	.02	.20	1	2
75+00E 93+00N	1	12	13	40	.1	12	5	449	1.65	7	5	ND	5	55	.2	2	2	33	.28	.043	34	19	.25	114	.11	2	1.36	.02	.17	2	1
75+00E 92+75N	1	21	8	61	.1	14	6	532	1.86	4	5	ND	6	78	.2	2	2	40	.46	.092	46	23	.36	117	.10	3	1.17	.02	.21	1	2
75+00E 92+50N	1	21	14	61	.1	15	7	505	1.92	5	5	ND	7	85	.2	2	2	42	.44	.099	46	21	.35	128	.11	4	1.37	.02	.23	1	3
75+00E 92+25N	1	22	8	63	.1	31	7	521	1.83	4	5	ND	5	89	.2	2	2	39	.44	.102	42	30	.44	132	.10	3	1.30	.02	.21	1	1
75+00E 92+00N	1	20	9	55	.1	63	9	457	2.13	3	5	ND	5	76	.2	2	2	42	.44	.092	38	45	.75	120	.11	2	1.28	.02	.17	1	2
75+00E 91+75N	1	20	14	57	.1	198	14	508	1.74	5	5	ND	2	76	.2	3	2	29	.60	.076	19	81	1.65	135	.07	6	.98	.01	.14	1	2
75+00E 91+50N	1	14	7	47	.1	136	13	546	1.47	2	5	ND	2	86	.2	2	2	23	.39	.037	19	76	.96	137	.07	2	1.04	.02	.12	1	1
75+00E 91+25N	1	13	13	48	.1	60	7	283	1.71	2	5	ND	5	82	.2	2	3	33	.33	.032	34	42	.50	98	.10	2	1.07	.02	.16	1	1
75+00E 91+00N	1	10	12	50	.1	10	4	275	1.24	3	5	ND	4	63	.2	2	2	25	.22	.052	20	12	.19	102	.08	4	1.04	.01	.13	1	2
76+00E 99+00N	1	6	3	42	.1	7	4	666	1.29	2	5	ND	3	46	.2	2	2	26	.20	.029	15	11	.17	122	.10	2	1.31	.02	.11	1	1
76+00E 98+75N	1	9	13	39	.1	9	4	402	1.45	3	5	ND	5	47	.2	2	2	25	.22	.025	23	13	.21	109	.11	2	1.45	.01	.14	1	1
76+00E 98+50N	1	7	9	50	.1	8	4	471	1.18	3	5	ND	3	43	.2	2	2	25	.24	.056	16	11	.16	118	.09	2	1.04	.02	.10	1	3
76+00E 98+25N	1	13	10	47	.1	8	4	458	1.43	2	5	ND	3	67	.2	2	2	31	.37	.116	22	14	.21	119	.09	2	1.12	.02	.11	1	3
STANDARD C/AU-S	17	57	42	128	7.2	67	30	1060	3.76	43	17	8	36	48	18.2	15	21	57	.49	.093	38	58	.88	175	.08	32	1.89	.06	.14	11	52

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
76+00E 98+00N	1	14	10	39	.1	7	4	424	1.16	8	5	ND	1	80	.2	2	2	26	.41	.098	24	10	.19	114	.08	2	.97	.01	.12	1	2
76+00E 97+75N	1	16	8	54	.1	8	5	500	1.38	6	5	ND	1	102	.2	2	2	29	.54	.115	26	13	.24	143	.08	3	1.19	.01	.17	1	2
76+00E 97+50N	1	16	12	57	.1	8	4	523	1.23	6	5	ND	2	117	.6	2	2	25	.55	.099	29	10	.19	160	.08	2	1.21	.01	.15	1	2
76+00E 97+25N	1	16	10	66	.1	6	4	538	1.17	5	5	ND	2	84	.2	2	2	25	.46	.108	24	10	.19	138	.08	2	1.12	.01	.13	1	1
76+00E 97+00N	1	19	14	54	.1	12	6	494	1.79	7	5	ND	2	98	.2	2	2	40	.48	.099	38	23	.32	174	.12	2	1.65	.01	.17	1	2
76+00E 96+75N	1	19	11	55	.1	12	6	531	1.91	6	5	ND	4	78	.3	2	2	47	.45	.104	43	23	.37	154	.13	2	1.30	.01	.19	1	60
76+00E 96+50N	1	21	19	68	.1	12	8	698	1.89	8	5	ND	4	79	.2	2	2	45	.48	.091	41	22	.36	139	.14	2	1.48	.02	.18	1	1
76+00E 96+25N	1	21	10	72	.1	9	6	572	1.54	4	5	ND	3	94	.2	2	2	33	.57	.094	37	16	.31	141	.10	2	1.35	.01	.17	1	29
76+00E 96+00N	1	17	14	66	.2	9	5	452	1.46	4	5	ND	2	91	.2	2	2	32	.51	.084	33	13	.23	141	.10	2	1.40	.01	.16	1	3
76+00E 95+75N	1	18	13	67	.1	9	5	468	1.49	6	5	ND	3	102	.2	2	2	32	.45	.078	33	15	.27	138	.10	2	1.42	.01	.19	1	1
76+00E 95+50N	1	19	12	60	.1	12	6	506	1.62	7	5	ND	3	114	.4	2	3	35	.49	.079	36	16	.30	152	.10	2	1.45	.01	.21	1	2
76+00E 95+25N	1	17	15	60	.1	10	5	466	1.47	3	5	ND	3	90	.3	3	2	32	.43	.080	31	14	.26	131	.09	4	1.28	.01	.18	1	1
76+00E 95+00N	1	23	17	62	.1	16	8	550	2.08	8	5	ND	7	89	.2	3	2	49	.42	.095	46	26	.45	122	.10	2	1.19	.01	.27	1	8
76+00E 94+75N	1	23	10	60	.1	14	7	542	1.82	6	5	ND	6	84	.6	2	2	40	.46	.080	40	20	.37	137	.12	2	1.55	.02	.24	1	3
76+00E 94+50N	1	21	14	58	.2	10	6	495	1.49	9	5	ND	2	97	.2	2	2	32	.51	.083	36	15	.28	150	.10	3	1.51	.02	.21	1	1
76+00E 94+25N	1	21	14	64	.1	12	6	500	1.75	6	5	ND	5	100	.2	3	2	40	.54	.103	47	18	.34	127	.09	2	1.24	.01	.24	1	5
76+00E 94+00N	1	21	16	56	.2	15	7	495	2.00	5	5	ND	7	70	.4	2	2	44	.38	.080	45	25	.42	115	.12	2	1.55	.01	.21	1	2
76+00E 93+75N	1	24	14	62	.1	23	10	889	2.57	9	5	ND	7	98	.2	2	3	55	.76	.166	62	34	.73	133	.14	5	1.60	.02	.34	1	5
76+00E 93+50N	1	20	17	53	.1	22	7	588	1.71	6	5	ND	6	87	.2	2	2	37	.55	.077	45	24	.36	128	.11	2	1.38	.01	.22	1	1
76+00E 93+25N	1	16	13	50	.1	18	6	438	1.60	6	5	ND	5	100	.3	2	2	34	.44	.051	39	23	.37	114	.09	4	1.00	.01	.22	1	1
76+00E 93+00N	1	11	8	41	.1	12	4	448	1.22	4	5	ND	2	77	.3	2	2	23	.31	.056	21	12	.20	119	.09	2	1.26	.02	.12	1	1
76+00E 92+75N	1	16	12	50	.1	13	5	424	1.45	8	5	ND	5	93	.3	2	2	30	.43	.100	36	14	.23	130	.09	3	1.26	.01	.17	1	5
76+00E 92+50N	1	14	14	51	.1	21	5	446	1.47	7	5	ND	3	75	.3	2	3	33	.38	.078	33	20	.26	120	.09	3	1.23	.01	.14	1	3
76+00E 92+25N	1	20	11	54	.1	16	6	471	1.73	6	5	ND	4	92	.2	2	2	43	.51	.096	46	19	.28	100	.10	2	1.01	.02	.14	1	70
76+00E 92+00N	1	18	7	45	.1	18	6	425	1.53	4	5	ND	5	78	.2	2	2	37	.35	.062	41	16	.30	92	.10	2	1.05	.02	.12	1	4
76+00E 91+75N	1	17	14	52	.1	15	6	519	1.42	6	5	ND	4	111	.2	2	2	32	.47	.060	37	14	.27	107	.09	2	.98	.02	.12	1	1
76+00E 91+50N	1	16	9	48	.1	14	5	431	1.39	5	5	ND	4	116	.2	2	2	31	.45	.084	34	15	.24	98	.09	3	.96	.02	.13	1	1
76+00E 91+25N	1	13	12	42	.1	38	6	387	1.76	3	5	ND	7	60	.2	2	2	40	.28	.048	39	27	.35	86	.11	4	1.10	.02	.15	1	1
76+00E 91+00N	1	13	10	39	.1	9	4	369	1.52	4	5	ND	7	72	.2	2	2	37	.34	.071	40	15	.23	79	.10	2	.78	.02	.12	1	2
77+00E 99+75N	1	20	2	36	.1	15	4	253	1.05	3	5	ND	1	1063	.2	4	2	27	5.42	.085	20	17	.45	78	.05	15	.54	.03	.07	1	1
77+00E 99+50N	1	12	4	41	.1	11	4	222	1.30	3	5	ND	4	71	.2	2	2	30	.29	.066	22	13	.20	101	.09	2	1.06	.02	.08	1	1
77+00E 99+25N	1	14	6	64	.1	9	4	461	1.36	6	5	ND	3	57	.3	2	2	35	.27	.176	12	11	.20	122	.13	3	1.54	.02	.06	1	2
77+00E 99+00N	1	11	10	42	.1	9	4	403	1.24	5	5	ND	4	58	.4	2	2	28	.25	.072	18	11	.18	136	.09	2	1.21	.02	.09	1	1
77+00E 98+75N	1	11	12	50	.1	8	4	498	1.22	8	5	ND	3	77	.2	2	2	26	.33	.079	18	11	.18	141	.09	2	1.17	.02	.09	1	5
77+00E 98+50N	1	9	4	41	.1	7	4	445	1.05	3	5	ND	3	68	.2	2	2	23	.27	.080	15	9	.15	124	.08	4	1.01	.01	.13	1	1
77+00E 98+25N	1	10	8	36	.1	8	3	435	1.19	4	5	ND	3	68	.2	2	2	27	.28	.081	18	11	.17	138	.09	2	1.13	.02	.09	1	1
STANDARD C/AU-S	18	58	43	131	6.8	68	30	1060	3.81	41	19	8	38	49	18.2	16	22	60	.49	.094	40	56	.89	174	.08	34	1.89	.06	.13	11	45

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
77+00E 98+00N	1	13	13	45	.1	8	4	431	1.34	5	5	ND	4	83	.3	2	2	30	.37	.096	22	14	.20	134	.10	2	1.28	.02	.09	2	2
77+00E 97+75N	1	11	4	37	.1	8	4	478	1.06	5	5	ND	3	79	.2	2	2	23	.38	.100	17	10	.16	128	.08	2	1.08	.02	.10	1	3
77+00E 97+50N	1	10	6	42	.1	5	3	521	.94	3	5	ND	3	75	.2	2	2	21	.36	.076	13	8	.15	146	.08	3	.85	.02	.11	1	1
77+00E 97+25N	1	13	11	52	.1	9	4	530	1.21	5	5	ND	4	81	.2	2	2	26	.42	.091	21	12	.20	158	.09	2	1.15	.02	.13	1	3
77+00E 97+00N	1	13	15	46	.1	9	4	468	1.21	3	5	ND	3	70	.6	2	2	27	.37	.085	20	11	.19	135	.09	2	1.11	.02	.12	1	4
77+00E 96+75N	1	12	8	47	.1	7	4	461	1.16	5	5	ND	3	58	.2	2	2	26	.32	.086	16	11	.19	122	.09	2	1.04	.02	.09	1	2
77+00E 96+50N	1	12	12	45	.1	10	4	487	1.27	4	5	ND	3	74	.4	2	2	27	.42	.090	18	13	.22	147	.10	2	1.38	.02	.11	1	3
77+00E 96+25N	1	12	12	42	.1	9	4	527	1.22	5	5	ND	1	57	.3	2	2	26	.38	.070	15	12	.24	143	.11	2	1.39	.02	.08	1	4
77+00E 96+00N	1	22	20	93	.1	18	10	728	2.47	12	5	ND	2	75	.5	2	3	57	.66	.136	25	34	.78	171	.22	2	1.59	.02	.31	1	2
77+00E 95+75N	1	17	14	62	.1	12	6	528	1.88	5	5	ND	4	68	.6	2	2	44	.41	.084	35	20	.33	140	.14	2	1.79	.01	.12	1	1
77+00E 95+50N	1	23	17	96	.1	25	12	725	3.30	4	5	ND	4	54	.6	2	2	76	.62	.143	32	58	.99	165	.30	2	2.33	.02	.25	1	1
77+00E 95+25N	1	19	11	62	.1	13	6	483	1.95	5	5	ND	5	63	.5	2	2	44	.40	.089	39	21	.36	142	.14	2	1.70	.01	.17	1	3
77+00E 95+00N	1	17	15	57	.1	11	6	509	1.66	4	5	ND	3	69	.2	2	2	35	.43	.084	29	18	.29	167	.13	2	1.90	.02	.15	1	6
77+00E 94+75N	1	18	15	63	.1	13	6	569	1.86	4	5	ND	4	58	.4	2	3	41	.41	.093	33	22	.39	175	.15	2	1.79	.02	.19	1	4
77+00E 94+50N	1	16	14	54	.1	8	4	435	1.34	2	5	ND	1	98	.2	2	2	28	.53	.106	26	13	.23	146	.08	2	1.30	.02	.14	1	3
77+00E 94+25N	1	17	19	60	.1	10	5	445	1.22	9	5	ND	1	99	.2	2	2	26	.57	.100	24	12	.20	134	.08	4	1.33	.01	.12	1	1
77+00E 94+00N	1	17	10	57	.1	9	5	486	1.31	7	5	ND	1	99	.2	2	2	28	.57	.103	29	12	.22	142	.08	2	1.23	.01	.12	1	1
77+00E 93+75N	1	17	10	58	.1	9	5	423	1.20	3	5	ND	1	106	.2	2	2	24	.57	.115	24	10	.21	146	.07	5	1.30	.02	.13	1	1
77+00E 93+50N	1	20	12	56	.1	12	5	442	1.47	5	5	ND	2	103	.2	2	2	31	.52	.102	36	14	.25	127	.09	3	1.28	.02	.15	1	2
77+00E 93+25N	1	17	13	55	.1	11	5	437	1.28	4	5	ND	1	114	.4	2	2	29	.60	.099	29	14	.21	138	.08	2	1.16	.01	.12	1	2
77+00E 93+00N	1	18	10	47	.1	40	6	460	1.31	3	5	ND	1	115	.3	2	4	26	.61	.079	28	24	.35	146	.08	2	1.32	.02	.12	1	1
77+00E 92+75N	1	16	11	48	.1	108	10	459	1.43	5	5	ND	2	73	.3	2	2	26	.44	.081	22	61	.81	141	.09	4	1.40	.02	.11	1	3
77+00E 92+50N	1	12	12	40	.1	117	11	471	1.40	2	5	ND	1	58	.2	2	2	25	.37	.067	20	49	.84	152	.09	5	1.57	.02	.11	1	1
77+00E 92+25N	1	20	14	66	.1	27	8	571	2.05	2	5	ND	3	55	.2	2	2	44	.52	.103	33	32	.62	194	.14	3	1.72	.02	.22	1	4
77+00E 92+00N	1	17	13	52	.1	65	8	470	1.45	4	5	ND	1	73	.4	2	3	30	.45	.085	30	27	.56	141	.08	5	1.31	.02	.12	1	13
77+00E 91+75N	1	14	8	36	.1	113	10	440	1.25	4	5	ND	1	67	.2	2	2	23	.37	.064	22	34	.75	137	.08	6	1.28	.02	.09	1	1
77+00E 91+50N	1	13	7	39	.1	231	17	451	1.43	3	5	ND	2	94	.3	2	2	21	.42	.046	15	85	1.80	108	.07	5	.98	.01	.11	1	3
77+00E 91+25N	1	14	14	36	.1	579	32	470	2.27	9	5	ND	4	60	.3	9	4	31	.21	.048	24	193	4.94	95	.07	11	1.19	.01	.11	1	3
77+00E 91+00N	1	12	2	40	.1	36	5	482	1.22	8	5	ND	2	135	.3	2	2	25	.52	.111	21	22	.36	142	.08	5	1.09	.02	.13	1	3
78+00E 99+75N	1	12	4	41	.1	7	4	428	1.45	3	5	ND	5	67	.2	2	2	33	.27	.054	26	14	.20	93	.09	2	.78	.01	.12	1	1
78+00E 99+50N	1	11	13	49	.1	10	5	403	1.65	2	5	ND	4	73	.4	2	3	39	.28	.084	27	15	.22	101	.09	5	.97	.01	.11	1	3
78+00E 99+25N	1	16	3	52	.1	11	6	519	1.59	3	5	ND	5	107	.2	2	2	34	.43	.058	35	16	.33	115	.10	2	.93	.02	.16	1	2
78+00E 99+00N	1	12	2	38	.1	11	4	238	1.30	2	5	ND	3	519	.5	2	2	26	.97	.049	24	17	.56	74	.08	22	.81	.02	.17	1	2
78+00E 98+75N	1	8	8	42	.1	7	4	202	1.12	3	5	ND	3	79	.2	2	2	25	.21	.059	14	10	.16	76	.08	2	.72	.02	.07	1	5
78+00E 98+50N	1	12	7	63	.1	9	4	399	1.32	4	5	ND	3	75	.3	2	2	30	.32	.115	22	13	.20	115	.09	2	1.09	.01	.09	1	1
78+00E 98+25N	1	9	9	51	.1	8	4	397	1.10	2	5	ND	3	54	.5	2	2	25	.22	.103	15	11	.16	119	.08	4	.94	.02	.08	1	3
STANDARD C/AU-S	18	58	35	130	6.6	68	31	1051	3.80	38	17	8	37	48	19.1	14	23	58	.50	.096	39	56	.89	175	.08	34	1.90	.06	.14	11	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
78+00E 98+00N	1	13	9	64	.1	8	4	427	1.45	3	5	ND	4	66	.2	2	3	31	.33	.127	20	16	.22	162	.11	2	1.34	.02	.11	1	2
78+00E 97+75N	1	10	9	65	.1	8	4	513	1.44	6	5	ND	3	59	.2	2	2	29	.31	.161	16	15	.21	155	.11	4	1.53	.03	.11	1	2
78+00E 97+50N	1	9	4	51	.1	7	4	399	1.27	5	5	ND	4	53	.2	2	2	29	.27	.085	18	16	.18	120	.10	5	1.10	.03	.11	2	3
78+00E 97+25N	1	36	10	224	.1	15	10	1759	2.77	4	5	ND	2	107	.2	2	3	60	.57	.268	23	46	.74	378	.22	4	1.70	.03	.15	1	3
78+00E 97+00N	1	10	3	54	.1	5	3	457	.95	2	5	ND	1	38	.2	2	2	25	.25	.067	6	13	.15	106	.09	2	.74	.03	.06	1	5
78+00E 96+75N	1	13	6	57	.1	7	4	573	1.33	6	5	ND	2	96	.2	2	2	27	.55	.111	20	14	.19	162	.11	2	1.45	.02	.12	1	2
78+00E 96+50N	1	11	11	50	.1	7	5	535	1.50	2	5	ND	4	81	.2	2	2	30	.46	.066	25	16	.23	162	.12	2	1.63	.02	.13	1	3
78+00E 96+25N	1	14	9	61	.1	8	4	565	1.47	6	5	ND	2	83	.2	2	2	30	.55	.103	23	16	.21	149	.11	3	1.52	.02	.10	1	2
78+00E 96+00N	1	14	15	65	.1	8	5	713	1.48	5	5	ND	3	95	.2	2	3	30	.52	.092	23	14	.22	152	.11	3	1.63	.02	.13	1	2
78+00E 95+75N	1	15	11	75	.1	10	4	533	1.34	6	5	ND	3	74	.2	2	2	29	.48	.098	22	17	.20	138	.10	3	1.37	.02	.11	1	1
78+00E 95+50N	1	13	11	45	.1	8	5	371	1.34	4	5	ND	4	69	.2	2	2	30	.37	.079	27	13	.21	112	.10	3	1.24	.02	.09	1	2
78+00E 95+25N	1	12	10	53	.1	6	4	487	1.36	5	5	ND	4	82	.2	2	2	28	.43	.106	21	15	.19	146	.11	3	1.46	.02	.15	1	1
78+00E 95+00N	1	13	8	49	.1	8	4	428	1.47	3	5	ND	3	58	.2	2	3	29	.31	.069	22	14	.20	128	.11	2	1.68	.03	.11	1	2
78+00E 94+75N	1	14	6	46	.1	9	4	505	1.39	3	5	ND	3	82	.2	2	2	28	.45	.087	22	15	.21	138	.11	2	1.50	.03	.11	1	3
78+00E 94+50N	1	14	16	51	.1	9	5	525	1.66	4	5	ND	3	97	.2	2	4	34	.55	.090	29	18	.23	165	.12	3	1.77	.02	.12	1	1
78+00E 94+25N	1	16	13	55	.1	10	5	478	1.52	2	5	ND	2	98	.2	2	2	30	.56	.109	26	17	.24	153	.10	2	1.50	.02	.16	1	1
78+00E 94+00N	1	17	11	58	.1	14	4	461	1.28	3	5	ND	1	105	.2	2	2	26	.63	.144	19	17	.23	155	.08	4	1.29	.02	.13	1	2
78+00E 93+75N	1	17	8	53	.1	13	5	522	1.23	5	5	ND	1	84	.2	2	2	24	.55	.117	20	15	.21	143	.08	3	1.08	.02	.13	1	1
78+00E 93+50N	1	18	12	49	.1	13	5	510	1.26	2	5	ND	1	97	.2	2	3	24	.60	.104	20	16	.23	143	.08	4	1.35	.02	.09	1	3
78+00E 93+25N	1	18	9	58	.1	25	5	477	1.25	3	5	ND	1	104	.2	2	2	25	.70	.108	21	23	.29	156	.08	5	1.42	.02	.17	1	1
78+00E 93+00N	1	18	10	60	.1	14	5	469	1.54	4	5	ND	2	89	.2	2	2	31	.59	.095	31	22	.28	159	.10	2	1.46	.02	.15	1	2
78+00E 92+75N	1	20	13	60	.1	12	5	508	1.49	5	5	ND	1	130	.2	2	3	30	.76	.128	28	19	.26	167	.08	2	1.51	.02	.13	1	2
78+00E 92+50N	1	19	16	63	.1	12	5	477	1.54	4	5	ND	2	110	.2	2	4	31	.69	.107	30	22	.30	167	.09	4	1.42	.02	.17	1	1
78+00E 92+25N	1	18	14	63	.1	12	5	472	1.45	4	5	ND	1	125	.2	2	3	29	.73	.130	25	16	.25	170	.08	3	1.56	.02	.14	1	1
78+00E 92+00N	1	18	14	59	.1	22	6	499	1.64	3	5	ND	1	118	.2	2	2	32	.64	.127	33	23	.28	187	.09	4	1.96	.02	.15	1	2
78+00E 91+75N	1	15	17	48	.1	29	6	453	1.79	2	5	ND	4	78	.2	2	4	35	.42	.094	34	26	.33	161	.13	2	1.94	.03	.15	1	1
78+00E 91+50N	1	14	13	39	.1	91	10	499	1.75	5	5	ND	4	68	.2	2	2	29	.37	.067	26	49	.75	142	.12	4	1.84	.03	.19	1	2
78+00E 91+25N	1	24	16	49	.1	61	7	405	1.64	9	5	ND	4	163	.2	2	4	33	.62	.082	27	34	.66	111	.11	10	1.58	.04	.16	1	1
78+00E 91+00N	1	11	12	35	.1	22	5	403	1.36	4	5	ND	3	76	.2	2	2	27	.38	.095	23	26	.30	129	.10	2	1.19	.02	.13	1	1
79+00E 100+00N	1	16	10	39	.1	9	6	367	1.66	2	5	ND	4	156	.2	2	2	31	.41	.030	24	19	.39	90	.11	2	1.39	.02	.16	1	1
79+00E 99+75N	1	11	7	45	.1	8	4	367	1.46	2	5	ND	3	81	.2	2	3	29	.27	.093	19	15	.25	115	.10	4	1.20	.03	.11	1	1
79+00E 99+25N	1	17	12	40	.1	8	5	371	1.49	4	5	ND	4	254	.2	2	4	28	.43	.061	24	17	.30	118	.10	2	1.24	.02	.19	1	1
79+00E 99+00N	1	14	12	50	.1	9	6	432	1.89	3	5	ND	4	119	.2	2	2	38	.38	.071	27	23	.36	141	.14	2	1.72	.02	.15	1	1
79+00E 98+75N	1	14	15	51	.1	10	6	442	1.85	2	5	ND	4	115	.2	2	4	39	.39	.069	25	22	.35	137	.14	2	1.64	.02	.15	1	2
79+00E 98+50N	1	20	18	99	.1	17	10	654	3.19	2	5	ND	3	93	.2	3	5	67	.59	.100	27	53	.80	251	.31	2	2.98	.03	.20	1	1
79+00E 98+25N	1	14	15	76	.1	15	8	524	2.55	2	5	ND	3	93	.2	3	3	54	.42	.061	21	39	.63	162	.22	4	2.10	.03	.22	1	1
STANDARD C/AU-S	17	57	44	129	7.1	68	30	1034	3.83	36	16	7	36	48	17.1	15	22	56	.50	.097	36	55	.90	175	.08	33	1.91	.06	.14	12	53

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
79+00E 98+00N	1	11	16	38	.1	8	5	357	1.24	4	5	ND	2	90	.2	2	2	23	.24	.037	15	11	.22	89	.10	5	1.33	.02	.10	1	5
79+00E 97+75N	1	21	7	66	.1	10	2	207	.72	3	5	ND	1	1152	.5	3	2	17	3.81	.113	8	11	.49	98	.05	29	.50	.05	.10	1	4
79+00E 97+50N	1	13	11	46	.1	11	4	445	1.49	5	5	ND	4	133	.2	2	2	31	.46	.046	21	16	.27	130	.11	7	1.13	.02	.13	1	1
79+00E 97+25N	1	13	12	72	.1	12	5	588	1.52	5	5	ND	5	82	.2	2	2	31	.38	.096	28	14	.24	176	.11	7	1.54	.02	.15	1	3
79+00E 97+00N	1	12	8	61	.1	11	5	480	1.50	4	5	ND	4	69	.2	2	2	35	.31	.108	22	14	.21	151	.10	4	1.19	.02	.12	1	5
79+00E 96+75N	1	12	8	53	.1	9	4	354	1.20	3	5	ND	3	65	.3	2	2	26	.29	.112	18	11	.19	113	.10	6	1.27	.02	.12	1	3
79+00E 96+50N	1	11	14	71	.1	11	5	521	1.34	4	5	ND	4	83	.2	2	2	27	.39	.097	23	14	.23	161	.10	5	1.30	.02	.13	1	4
79+00E 96+25N	1	12	10	71	.1	9	4	533	1.15	7	5	ND	3	67	.2	2	2	22	.33	.075	22	11	.19	160	.09	5	1.30	.02	.14	1	4
79+00E 96+00N	1	11	11	64	.1	10	5	433	1.20	5	5	ND	3	67	.6	2	2	24	.26	.145	19	11	.20	166	.09	6	1.17	.02	.13	1	1
79+00E 95+75N	1	13	13	64	.1	11	5	441	1.37	6	5	ND	5	60	.2	2	2	29	.27	.101	21	15	.22	167	.11	5	1.44	.02	.14	1	3
79+00E 95+50N	1	11	16	71	.1	10	4	700	1.30	6	5	ND	3	96	.2	2	2	29	.47	.082	20	12	.21	173	.10	4	1.20	.02	.12	1	4
79+00E 95+25N	1	11	8	54	.1	11	4	514	1.19	5	5	ND	3	72	.2	2	2	24	.37	.117	15	11	.19	164	.10	9	1.36	.02	.12	1	1
79+00E 95+00N	1	12	13	66	.1	10	4	647	1.12	4	5	ND	2	85	.2	2	2	23	.36	.110	15	11	.18	194	.09	5	1.23	.02	.12	1	4
79+00E 94+75N	1	9	14	44	.1	24	5	402	1.20	4	5	ND	2	67	.2	2	2	26	.33	.080	15	18	.27	129	.09	4	1.14	.02	.11	1	4
79+00E 94+50N	1	11	8	46	.1	70	7	358	1.15	8	5	ND	3	58	.3	2	2	21	.25	.071	14	37	.43	130	.09	9	1.16	.02	.10	1	3
79+00E 94+25N	1	12	4	39	.1	32	5	425	1.08	8	5	ND	3	79	.4	2	2	21	.33	.098	13	20	.27	133	.09	2	1.22	.02	.10	1	1
79+00E 94+00N	1	16	12	70	.1	22	6	728	1.57	3	5	ND	2	70	.2	2	2	34	.38	.137	22	25	.39	167	.12	2	1.43	.02	.10	1	2
79+00E 93+75N	1	11	7	50	.1	19	4	501	1.17	3	5	ND	2	61	.2	2	2	26	.30	.131	13	21	.34	179	.10	3	1.09	.02	.10	1	1
79+00E 93+50N	1	22	12	100	.1	13	7	762	2.02	4	5	ND	1	95	.7	2	2	53	.95	.167	19	35	.59	150	.10	4	1.76	.02	.12	1	2
79+00E 93+25N	1	21	10	86	.1	13	8	721	2.06	3	5	ND	1	84	.7	2	2	50	.75	.142	18	34	.59	171	.10	2	1.82	.02	.13	1	1
79+00E 93+00N	1	17	19	69	.1	12	8	836	2.24	2	5	ND	1	62	.5	2	2	44	.44	.105	19	24	.41	167	.13	4	2.60	.02	.10	1	2
79+00E 92+75N	1	22	18	91	.1	250	21	1065	2.56	9	5	ND	2	62	1.0	2	2	39	.43	.129	18	60	.97	136	.11	10	2.09	.02	.13	1	1
79+00E 92+50N	1	12	9	43	.1	172	14	585	1.57	6	5	ND	1	73	.6	2	2	24	.45	.066	10	59	.72	103	.08	6	1.33	.02	.10	1	2
79+00E 92+25N	1	12	5	40	.1	22	5	335	1.16	3	5	ND	2	69	.2	2	2	23	.37	.110	13	15	.25	107	.09	2	1.26	.02	.10	1	1
79+00E 92+00N	1	12	10	55	.1	17	6	460	1.62	3	5	ND	2	55	.6	2	2	38	.37	.082	15	25	.42	127	.15	3	1.48	.02	.10	1	4
79+00E 91+75N	1	19	10	101	.1	26	8	663	2.32	6	5	ND	2	60	.3	2	2	64	.59	.143	18	45	.63	202	.20	3	1.67	.02	.19	1	5
79+00E 91+50N	1	18	6	68	.1	14	7	426	1.80	7	5	ND	1	53	.6	2	2	49	.52	.158	14	32	.57	109	.13	2	1.11	.02	.09	1	1
79+00E 91+25N	1	13	2	30	.1	26	4	244	.92	4	5	ND	1	58	.2	2	2	16	.59	.023	12	16	.23	80	.07	2	.96	.02	.12	1	2
79+00E 91+00N	1	14	10	38	.1	14	4	386	.99	5	5	ND	2	79	.2	2	2	18	.38	.189	10	15	.22	137	.09	3	1.26	.02	.11	1	2
80+00E 99+75N	1	17	12	84	.1	18	9	560	2.71	4	5	ND	4	90	.4	2	2	70	.48	.123	28	47	.63	178	.22	3	2.04	.02	.23	1	1
80+00E 99+50N	1	16	5	40	.1	10	6	415	1.43	2	5	ND	1	199	.5	2	2	32	.58	.074	19	22	.37	154	.13	2	1.39	.02	.15	1	1
80+00E 99+25N	1	18	6	74	.1	14	8	510	2.00	3	5	ND	3	99	.6	2	2	45	.52	.079	25	28	.52	169	.19	2	2.11	.02	.20	1	2
80+00E 99+00N	1	18	7	46	.1	9	6	474	1.44	5	5	ND	2	124	.2	2	2	31	.57	.094	29	13	.26	166	.11	5	1.64	.02	.24	1	1
80+00E 98+75N	1	19	18	72	.1	13	7	568	1.60	3	5	ND	2	159	.4	2	2	35	.70	.095	43	17	.33	131	.12	2	1.47	.02	.15	1	2
80+00E 98+50N	1	20	12	46	.1	11	5	440	1.54	4	5	ND	4	277	.6	2	2	34	.52	.065	31	15	.28	128	.11	2	1.41	.02	.16	1	1
80+00E 98+25N	1	17	13	58	.1	11	6	564	1.59	4	5	ND	5	113	.4	2	2	33	.51	.059	37	16	.28	159	.12	3	1.56	.02	.18	1	1
STANDARD C/AU-S	18	58	37	129	6.7	68	31	1051	3.71	39	18	7	37	48	18.8	16	19	58	.50	.095	38	53	.89	171	.08	33	1.85	.06	.14	12	46

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
80+00E 98+00N	1	11	7	51	.1	8	5	440	1.61	3	5	ND	3	71	.2	2	2	34	.32	.054	24	17	.30	137	.14	2	1.54	.02	.13	1	2
80+00E 97+75N	1	12	8	46	.1	9	4	572	1.43	4	5	ND	3	143	.3	2	2	27	.43	.067	22	14	.24	167	.11	4	1.41	.02	.17	1	3
80+00E 97+50N	1	11	4	46	.1	7	4	487	1.33	2	5	ND	3	105	.2	2	2	25	.26	.060	16	13	.21	132	.10	2	1.42	.02	.13	1	4
80+00E 97+25N	1	11	11	41	.1	8	4	387	1.38	2	5	ND	3	208	.3	2	2	25	.33	.044	23	13	.26	94	.09	3	1.27	.03	.12	1	1
80+00E 97+00N	1	15	9	35	.1	15	4	263	.98	3	5	ND	2	469	.3	2	2	17	.87	.044	20	13	.38	83	.06	9	.86	.05	.14	1	3
80+00E 96+75N	1	57	6	41	.1	84	3	105	.87	2	5	ND	1	850	.3	2	2	19	2.48	.079	16	22	.68	93	.05	17	.82	.04	.09	1	1
80+00E 96+50N	1	50	12	46	.1	93	4	120	.97	3	5	ND	1	468	.3	2	2	17	.93	.061	16	25	.93	101	.06	16	.98	.05	.11	1	2
80+00E 96+25N	1	34	9	47	.1	13	3	276	1.01	5	5	ND	2	414	.3	2	2	18	1.38	.040	21	14	.63	111	.07	30	.96	.05	.12	1	3
80+00E 96+00N	1	11	10	46	.1	14	4	377	1.44	3	5	ND	4	107	.2	2	2	26	.35	.045	22	16	.31	101	.10	12	1.20	.02	.18	1	3
80+00E 95+75N	1	13	8	63	.1	14	4	388	1.40	5	5	ND	4	112	.2	2	2	24	.33	.083	21	15	.30	147	.10	6	1.45	.02	.13	1	4
80+00E 95+50N	1	11	11	45	.1	16	4	340	1.43	4	5	ND	4	69	.2	2	2	26	.25	.054	29	16	.28	104	.09	4	1.12	.02	.12	1	2
80+00E 95+25N	1	9	8	40	.1	19	4	365	1.26	4	5	ND	2	74	.3	2	2	24	.28	.080	17	16	.26	113	.09	5	1.21	.02	.11	1	2
80+00E 95+00N	1	10	10	41	.1	25	5	439	1.30	5	5	ND	3	88	.4	2	2	26	.32	.096	18	19	.30	130	.09	9	1.14	.02	.12	1	1
80+00E 94+75N	1	10	9	49	.1	33	5	356	1.35	6	5	ND	3	91	.3	2	2	26	.35	.067	21	23	.39	121	.09	8	1.13	.02	.13	1	6
80+00E 94+50N	1	12	3	47	.1	22	5	372	1.36	6	5	ND	4	79	.2	2	2	26	.28	.126	19	18	.29	128	.10	11	1.30	.02	.11	1	7
80+00E 94+25N	1	12	7	46	.1	15	4	267	1.51	3	5	ND	5	87	.4	2	2	26	.33	.039	26	18	.46	101	.11	11	1.34	.02	.16	1	1
80+00E 94+00N	1	8	6	41	.1	13	4	351	1.15	6	5	ND	3	54	.2	2	2	20	.24	.045	13	13	.20	113	.09	10	1.21	.02	.11	1	2
80+00E 93+75N	1	9	6	40	.1	12	3	423	.94	4	5	ND	2	66	.6	2	2	20	.27	.133	10	11	.16	134	.08	5	.96	.02	.08	1	1
80+00E 93+50N	1	8	10	31	.1	18	3	253	.91	3	5	ND	2	48	.2	2	2	18	.20	.056	11	15	.19	95	.07	3	.86	.02	.08	1	3
80+00E 93+25N	1	9	7	51	.1	18	3	428	1.04	2	5	ND	2	53	.2	2	2	21	.24	.114	11	14	.19	147	.08	3	1.02	.02	.07	1	3
80+00E 93+00N	1	10	9	42	.1	19	5	379	1.25	2	5	ND	3	63	.5	2	2	23	.26	.109	15	15	.23	141	.10	5	1.45	.02	.10	1	1
80+00E 92+75N	1	10	12	40	.1	26	5	444	1.34	3	5	ND	3	89	.3	2	2	24	.33	.099	18	21	.29	158	.09	5	1.13	.02	.13	1	1
80+00E 92+50N	1	11	6	47	.1	21	4	481	1.11	6	5	ND	2	94	.2	2	2	20	.35	.177	15	15	.21	178	.08	8	1.14	.02	.11	1	3
80+00E 92+25N	1	11	8	50	.1	21	5	486	1.14	3	5	ND	3	71	.2	2	3	22	.29	.116	15	17	.22	164	.09	3	1.19	.02	.09	1	3
80+00E 92+00N	1	12	12	45	.1	53	7	419	1.35	4	5	ND	3	61	.2	2	2	26	.30	.117	14	27	.40	148	.10	5	1.39	.02	.09	1	3
80+00E 91+75N	1	9	7	31	.1	114	11	465	1.35	5	5	ND	2	51	.2	2	2	23	.31	.055	15	45	.68	129	.09	3	1.14	.02	.09	1	1
80+00E 91+50N	1	14	3	31	.1	1057	48	474	2.55	11	5	ND	4	20	.2	5	2	22	.11	.027	25	237	12.82	41	.04	49	.65	.01	.04	1	2
80+00E 91+25N	1	13	26	78	.3	41	7	599	1.80	15	5	ND	3	48	.5	2	2	28	.38	.030	21	21	.36	183	.12	8	2.12	.02	.08	1	1
80+00E 91+00N	1	13	8	61	.1	22	7	853	2.14	8	5	ND	2	33	.3	2	2	27	.43	.064	21	13	.23	149	.07	8	1.32	.02	.12	1	1
81+00E 99+75N	1	18	11	56	.1	9	5	494	1.36	7	5	ND	1	115	.4	2	2	27	.56	.095	28	12	.23	163	.10	4	1.59	.02	.13	1	2
81+00E 99+50N	1	16	6	49	.2	7	5	466	1.30	4	5	ND	1	87	.2	2	2	26	.46	.091	20	13	.22	169	.10	6	1.43	.02	.13	1	1
81+00E 99+25N	1	20	11	65	.1	13	7	531	1.94	4	5	ND	3	78	.5	2	2	40	.54	.107	27	28	.45	235	.18	3	1.92	.02	.19	1	1
81+00E 99+00N	1	20	14	72	.1	15	9	573	2.40	3	5	ND	4	76	.2	2	2	51	.53	.113	50	35	.61	198	.19	4	2.30	.02	.20	1	1
81+00E 98+75N	1	20	13	84	.1	16	9	562	2.53	2	5	ND	3	88	.2	2	2	55	.63	.137	31	40	.70	290	.22	2	2.41	.03	.23	1	1
81+00E 98+50N	1	20	8	66	.1	12	7	549	2.13	4	5	ND	5	82	.2	2	2	43	.43	.083	39	23	.40	184	.16	3	2.19	.02	.18	1	2
81+00E 98+25N	1	21	15	70	.2	8	5	729	1.58	4	5	ND	2	140	.7	2	2	31	.65	.087	34	13	.28	163	.11	7	1.73	.02	.16	1	2
STANDARD C/AU-S	17	57	35	129	6.5	67	30	1049	3.82	35	18	7	37	47	17.7	15	23	57	.50	.093	38	52	.88	175	.08	35	1.88	.06	.14	12	50

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
81+00E 98+00N	1	14	19	56	.1	5	6	666	1.52	4	5	ND	1	120	.2	2	2	28	.51	.053	37	10	.23	122	.11	3	1.65	.02	.13	1	2
81+00E 97+75N	1	14	9	42	.1	7	5	350	1.65	4	5	ND	5	187	.3	2	2	30	.39	.043	30	14	.27	113	.11	5	1.38	.02	.15	2	2
81+00E 97+50N	1	8	9	50	.1	5	4	493	1.31	5	5	ND	4	159	.2	2	2	23	.37	.084	20	9	.21	130	.10	8	1.44	.02	.13	1	1
81+00E 97+25N	1	14	10	63	.1	8	6	426	1.68	4	5	ND	5	115	.2	2	2	30	.43	.095	34	13	.27	146	.11	6	1.63	.02	.17	1	2
81+00E 97+00N	1	9	11	62	.1	11	6	494	1.79	7	5	ND	5	98	.2	3	2	30	.28	.057	29	16	.29	138	.12	4	1.86	.02	.12	1	1
81+00E 96+75N	1	14	4	55	.1	8	4	343	1.34	5	5	ND	1	931	.2	2	2	26	1.52	.070	23	13	.82	109	.08	26	1.17	.04	.15	1	3
81+00E 96+50N	1	12	9	48	.1	19	6	370	1.58	2	5	ND	3	373	.2	2	2	29	.76	.060	32	22	.39	85	.09	8	.97	.03	.15	1	4
81+00E 96+25N	1	20	4	30	.1	45	3	139	.83	5	5	ND	1	1115	.2	2	2	18	4.56	.089	18	17	.43	87	.05	12	.63	.05	.10	1	3
81+00E 96+00N	1	15	4	29	.1	41	5	164	1.38	6	5	ND	2	221	.2	2	2	24	.81	.025	21	22	.37	73	.08	9	1.05	.05	.10	1	2
81+00E 95+75N	1	11	5	44	.2	34	5	325	1.39	7	5	ND	3	160	.2	3	2	23	.35	.039	19	20	.53	83	.09	18	1.29	.04	.13	1	2
81+00E 95+50N	1	10	6	40	.1	32	6	290	1.46	8	5	ND	3	92	.2	2	2	25	.26	.069	17	22	.35	102	.10	8	1.37	.02	.11	1	39
81+00E 95+25N	1	11	8	42	.1	21	5	508	1.25	7	5	ND	3	108	.2	2	2	21	.35	.125	17	17	.30	139	.09	4	1.41	.02	.12	1	1
81+00E 95+00N	1	11	6	45	.1	28	6	403	1.64	7	5	ND	4	92	.2	2	2	31	.32	.089	21	30	.42	124	.11	8	1.34	.02	.14	1	1
81+00E 94+75N	1	11	8	44	.1	12	5	360	1.53	5	5	ND	3	86	.2	2	2	24	.32	.086	18	15	.35	126	.11	6	1.62	.02	.15	1	1
81+00E 94+50N	1	11	8	46	.3	15	5	399	1.54	7	5	ND	5	82	.2	4	3	25	.36	.065	24	18	.38	131	.11	6	1.34	.02	.16	2	3
81+00E 94+25N	1	12	8	47	.1	14	5	363	1.46	7	5	ND	5	84	.2	3	2	22	.36	.064	22	14	.32	133	.11	4	1.60	.02	.17	2	1
81+00E 94+00N	1	14	6	59	.2	16	5	455	1.35	7	5	ND	4	97	.3	3	2	24	.41	.149	19	15	.25	167	.10	8	1.35	.02	.13	1	2
81+00E 93+75N	1	15	7	50	.1	18	5	528	1.39	8	5	ND	4	105	.2	2	2	24	.40	.163	23	16	.28	170	.09	10	1.27	.02	.11	1	1
81+00E 93+50N	1	15	6	44	.3	14	5	418	1.28	8	6	ND	4	78	.2	2	2	23	.35	.102	17	14	.26	138	.09	6	1.22	.02	.12	2	2
81+00E 93+25N	1	16	10	54	.1	14	4	447	1.42	5	5	ND	4	79	.2	2	2	25	.33	.138	18	14	.24	170	.10	3	1.55	.02	.12	1	2
81+00E 93+00N	1	13	10	41	.1	20	5	395	1.57	6	5	ND	4	75	.2	2	2	29	.35	.097	23	16	.30	133	.11	3	1.57	.02	.12	1	1
81+00E 92+75N	1	11	7	37	.1	16	4	451	1.28	4	5	ND	3	72	.2	2	2	24	.36	.101	16	14	.23	130	.09	2	1.23	.02	.10	1	2
81+00E 92+50N	1	17	10	49	.1	24	6	500	1.56	8	5	ND	5	73	.2	2	2	28	.34	.157	22	18	.27	156	.11	4	1.56	.02	.09	1	2
81+00E 92+25N	1	14	11	52	.1	28	7	633	1.61	9	5	ND	3	66	.2	2	4	28	.37	.149	22	19	.31	190	.11	2	1.52	.02	.12	1	6
81+00E 92+00N	1	8	2	35	.1	5	2	351	.67	6	5	ND	2	18	.2	2	2	18	.18	.043	2	9	.07	61	.06	2	.35	.03	.04	1	2
81+00E 91+75N	1	20	20	95	.1	14	6	749	1.73	20	5	ND	2	43	.5	2	2	24	.43	.050	9	10	.20	178	.10	3	1.77	.03	.10	1	4
81+00E 91+50N	1	24	25	153	.2	6	6	1247	1.33	13	5	ND	1	66	1.1	2	3	18	.83	.104	6	6	.15	207	.06	2	.95	.03	.08	1	19
81+00E 91+25N	1	15	11	65	.1	10	6	1136	2.17	9	5	ND	3	35	.3	2	6	27	.56	.076	9	10	.23	167	.08	2	1.33	.03	.08	1	5
81+00E 91+00N	1	13	19	85	1.0	19	8	916	2.41	21	5	ND	3	36	.2	2	2	29	.47	.043	17	14	.43	165	.07	2	1.39	.02	.12	1	8
82+00E 99+75N	1	21	7	48	.1	8	6	450	1.40	16	5	ND	2	727	.5	3	2	24	1.04	.057	27	13	.37	92	.08	6	1.54	.04	.10	1	2
82+00E 99+50N	1	17	8	59	.1	11	7	340	1.72	8	5	ND	5	390	.2	2	2	31	.75	.099	37	17	.45	86	.10	5	1.39	.04	.24	1	2
82+00E 99+25N	1	23	7	40	.1	7	4	292	1.28	5	5	ND	3	685	.2	2	4	22	1.01	.045	25	12	.36	83	.09	2	1.44	.06	.10	1	1
82+00E 99+00N	1	21	10	43	.1	9	5	360	1.37	9	5	ND	3	598	.2	2	2	24	.86	.057	23	14	.31	87	.09	3	1.44	.04	.12	1	2
82+00E 98+75N	1	20	5	69	.1	9	5	398	1.40	7	5	ND	2	445	.2	2	4	24	.78	.073	25	13	.29	101	.09	8	1.50	.03	.26	1	2
82+00E 98+50N	1	18	12	59	.1	10	6	462	1.67	5	5	ND	4	355	.3	2	2	30	.75	.086	33	16	.33	123	.10	4	1.43	.03	.23	1	1
82+00E 98+25N	1	23	18	58	.1	14	7	539	2.04	9	5	ND	7	97	.2	2	3	39	.44	.078	46	20	.33	138	.14	2	1.95	.02	.18	1	1
STANDARD C/AU-S	18	57	38	132	6.6	67	31	1050	4.05	42	16	6	39	48	18.4	15	17	59	.51	.094	38	52	.94	175	.08	38	1.96	.06	.13	12	49

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
82+00E 98+00N	1	17	17	67	.1	10	7	610	1.59	6	5	ND	2	87	.2	2	2	31	.37	.083	34	12	.22	126	.11	2	1.68	.03	.11	1	1
82+00E 97+75N	1	13	14	54	.1	8	5	440	1.43	5	5	ND	3	119	.2	2	2	26	.31	.060	30	13	.23	100	.09	2	1.40	.02	.11	1	3
82+00E 97+50N	1	18	10	49	.1	15	4	214	1.20	6	5	ND	3	295	.3	2	4	25	.45	.048	25	15	.38	85	.08	5	1.20	.03	.09	1	1
82+00E 97+25N	1	16	9	59	.1	10	5	471	1.52	6	5	ND	4	149	.2	2	2	30	.41	.099	29	13	.28	138	.10	5	1.32	.02	.12	1	8
82+00E 97+00N	1	16	14	57	.1	11	5	504	1.56	3	5	ND	3	161	.2	2	2	30	.41	.084	31	15	.32	148	.10	5	1.48	.02	.14	1	2
82+00E 96+75N	1	18	9	63	.1	12	5	560	1.62	11	5	ND	4	143	.2	2	2	30	.45	.163	28	14	.25	162	.11	4	1.61	.02	.13	1	3
82+00E 96+50N	1	14	10	50	.1	12	5	415	1.39	5	5	ND	3	83	.4	2	2	26	.29	.107	26	14	.23	132	.10	3	1.38	.02	.10	1	3
82+00E 96+25N	1	13	11	45	.1	24	6	376	1.71	2	5	ND	5	92	.2	2	2	32	.40	.044	37	20	.31	119	.11	5	1.27	.02	.17	1	3
82+00E 96+00N	1	14	9	57	.1	67	7	535	1.58	3	5	ND	4	96	.2	2	2	25	.38	.052	28	28	.29	128	.10	8	1.43	.02	.17	1	2
82+00E 95+75N	1	11	8	40	.1	48	6	475	1.45	3	5	ND	4	58	.3	2	2	24	.29	.039	24	25	.26	119	.09	2	1.19	.01	.15	1	5
82+00E 95+50N	1	14	5	44	.1	21	4	362	1.22	3	5	ND	2	260	.2	2	2	21	1.09	.056	22	25	1.27	123	.07	18	1.07	.03	.24	1	4
82+00E 95+25N	1	11	6	48	.1	24	5	503	1.51	6	5	ND	3	80	.2	2	2	30	.36	.078	19	21	.30	130	.10	5	1.24	.02	.11	1	4
82+00E 95+00N	1	15	9	52	.1	18	4	532	1.22	6	5	ND	1	87	.4	2	2	22	.36	.123	17	16	.24	156	.09	3	1.26	.02	.11	1	1
82+00E 94+75N	1	18	15	69	.1	20	8	534	2.00	4	5	ND	6	85	.2	2	2	38	.37	.049	42	27	.43	143	.12	3	1.42	.02	.23	1	8
82+00E 94+50N	1	13	8	55	.1	24	5	545	1.29	2	5	ND	2	113	.2	2	2	24	.38	.131	16	17	.25	156	.09	3	1.24	.02	.11	1	5
82+00E 94+25N	1	15	9	62	.1	17	5	524	1.44	6	5	ND	2	88	.2	2	2	29	.39	.113	21	18	.25	151	.10	4	1.40	.02	.11	1	3
82+00E 94+00N	1	18	10	51	.1	17	6	494	1.52	6	5	ND	2	112	.4	2	2	29	.54	.145	27	18	.27	149	.10	3	1.42	.02	.11	1	2
82+00E 93+75N	1	18	13	64	.1	13	5	524	1.34	2	5	ND	1	125	.2	2	2	26	.54	.118	23	14	.24	163	.09	5	1.34	.02	.12	1	1
82+00E 93+50N	1	18	5	49	.1	13	5	479	1.39	8	5	ND	2	115	.2	2	3	27	.42	.115	20	15	.26	160	.11	3	1.58	.02	.12	1	4
82+00E 93+25N	1	17	15	59	.1	16	5	476	1.44	2	5	ND	2	112	.2	2	2	27	.38	.129	20	16	.28	183	.10	3	1.47	.02	.12	1	5
82+00E 93+00N	1	15	9	45	.1	10	3	396	1.05	4	5	ND	1	90	.2	2	2	21	.48	.102	15	11	.19	139	.08	2	1.01	.02	.09	1	3
82+00E 92+75N	1	16	11	69	.1	14	4	562	1.52	3	5	ND	3	99	.2	2	2	29	.59	.116	25	17	.26	192	.10	3	1.36	.02	.14	1	3
82+00E 92+50N	1	14	10	59	.1	14	4	485	1.36	4	5	ND	1	79	.2	2	2	26	.50	.103	21	15	.22	165	.09	4	1.48	.02	.11	1	4
82+00E 92+25N	1	14	6	50	.1	23	6	511	1.50	4	5	ND	2	77	.2	2	2	27	.49	.100	20	17	.27	168	.11	2	1.69	.02	.10	1	4
82+00E 92+00N	1	15	12	50	.1	42	7	486	1.70	2	5	ND	2	80	.2	2	2	32	.57	.116	29	27	.38	158	.10	2	1.45	.02	.12	1	2
82+00E 91+75N	1	15	18	76	.1	42	7	644	1.46	2	5	ND	2	66	.2	2	2	25	.49	.085	19	25	.34	158	.08	2	1.03	.02	.13	1	3
82+00E 91+50N	1	23	77	215	1.4	35	8	1034	2.17	26	5	ND	2	53	.9	2	2	26	.61	.058	23	25	.44	155	.07	3	1.11	.02	.12	1	15
82+00E 91+25N	1	15	33	97	.4	33	8	680	2.07	13	5	ND	2	49	.3	2	2	25	.39	.054	16	24	.36	164	.09	3	1.52	.02	.14	1	10
82+00E 91+00N	1	9	8	41	.1	86	10	456	1.22	2	5	ND	1	49	.2	2	2	19	.29	.099	11	57	.52	142	.07	2	1.13	.02	.09	1	3
83+00E 100+00N	1	22	21	67	.1	20	8	516	2.17	2	5	ND	4	135	.2	2	2	43	.69	.169	74	26	.57	115	.16	2	1.97	.02	.12	1	1
83+00E 99+75N	1	25	15	64	.1	14	7	540	2.03	5	5	ND	4	482	.2	2	2	41	1.03	.123	53	21	.49	93	.12	5	1.49	.03	.25	1	4
83+00E 99+50N	1	22	17	65	.1	9	6	500	1.74	4	5	ND	4	373	.4	2	2	34	.68	.096	43	15	.32	128	.10	4	1.45	.02	.22	1	2
83+00E 99+25N	1	18	16	62	.1	9	6	563	1.96	5	5	ND	5	120	.2	2	2	36	.46	.064	46	18	.32	174	.15	2	2.25	.02	.18	1	1
83+00E 99+00N	1	18	19	72	.1	10	6	641	2.01	4	5	ND	4	86	.2	2	2	41	.37	.083	41	18	.30	161	.15	2	2.35	.02	.12	1	2
83+00E 98+75N	1	43	39	106	.1	16	14	1419	2.78	6	5	ND	7	288	.2	2	2	55	1.31	.208	115	31	.86	111	.09	2	2.24	.04	.17	1	1
83+00E 98+50N	1	29	26	100	.2	8	7	529	1.89	2	5	ND	11	200	.2	2	2	30	.77	.141	76	17	.46	133	.06	3	1.70	.02	.33	1	1
STANDARD C/AU-S	18	57	40	129	7.2	68	30	1053	3.93	36	20	7	36	47	18.4	15	21	57	.49	.090	37	52	.88	174	.08	32	1.90	.06	.14	11	50

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
83+00E 98+25N	1	22	14	62	.1	12	7	527	1.60	6	5	ND	6	174	.2	2	2	27	.63	.105	57	15	.36	161	.08	2	1.60	.02	.23	1	1
83+00E 98+00N	1	19	13	51	.1	13	5	425	1.53	7	5	ND	6	291	.2	2	2	29	.50	.070	37	14	.32	138	.10	5	1.51	.02	.20	2	2
83+00E 97+75N	1	15	9	61	.1	21	6	500	1.32	7	5	ND	3	352	.3	2	3	25	.70	.080	30	16	.42	129	.08	4	1.38	.02	.12	1	4
83+00E 97+50N	1	14	6	49	.1	43	5	498	1.11	3	5	ND	3	221	.2	2	2	19	.54	.113	18	22	.34	163	.07	6	1.09	.02	.13	1	6
83+00E 97+25N	1	20	10	52	.1	60	9	400	2.19	6	5	ND	6	97	.2	2	2	44	.44	.110	53	39	.42	186	.14	2	2.13	.02	.14	1	8
83+00E 97+00N	1	18	13	57	.1	103	11	423	2.14	4	5	ND	6	79	.2	2	2	38	.36	.077	39	44	.45	187	.14	2	2.25	.02	.11	1	6
83+00E 96+75N	1	13	2	47	.1	376	21	588	1.96	6	5	ND	1	76	.3	2	2	22	.48	.072	11	83	.44	97	.07	7	.99	.02	.14	1	8
83+00E 96+50N	1	10	6	32	.1	18	4	235	1.05	2	5	ND	2	475	.2	3	2	20	.83	.044	22	18	.53	78	.06	4	.85	.03	.10	1	1
83+00E 96+25N	1	36	4	44	.1	79	2	178	.48	4	5	ND	1	1767	.4	2	2	15	12.38	.114	9	12	.39	87	.03	10	.40	.04	.06	1	4
83+00E 96+00N	1	12	9	43	.1	43	6	395	1.67	6	5	ND	5	78	.2	2	2	37	.48	.078	32	35	.40	99	.10	2	.95	.02	.07	1	52
83+00E 95+75N	1	11	10	43	.1	115	11	513	1.81	3	5	ND	3	51	.2	2	2	29	.27	.062	20	52	.39	146	.11	2	1.81	.02	.08	1	11
83+00E 95+50N	1	9	8	32	.1	72	8	494	1.33	5	5	ND	2	40	.2	2	2	24	.26	.048	11	33	.32	118	.08	2	.94	.02	.07	1	5
83+00E 95+25N	1	19	12	49	.1	134	13	493	2.08	6	5	ND	6	74	.2	2	3	33	.48	.102	41	68	1.14	102	.09	8	1.11	.02	.14	1	7
83+00E 95+00N	1	19	8	59	.1	50	8	501	1.70	5	5	ND	4	88	.2	2	2	32	.49	.092	37	34	.41	149	.11	2	1.41	.02	.16	1	6
83+00E 94+75N	1	15	8	45	.1	18	5	478	1.27	6	5	ND	1	109	.2	2	2	24	.60	.104	21	15	.23	171	.08	4	1.30	.01	.12	2	3
83+00E 94+50N	1	16	6	37	.1	20	5	486	1.37	5	5	ND	1	118	.3	2	2	25	.43	.084	20	19	.36	161	.09	5	1.37	.02	.14	1	1
83+00E 94+25N	1	14	10	40	.1	113	11	438	1.36	4	5	ND	2	123	.4	2	2	25	.41	.063	20	46	.92	117	.08	5	1.24	.03	.12	1	6
83+00E 94+00N	1	14	10	34	.1	24	5	456	1.31	4	5	ND	3	80	.2	2	2	26	.32	.101	20	22	.27	143	.10	3	1.45	.02	.08	1	4
83+00E 93+75N	1	15	11	44	.1	28	6	518	1.61	10	5	ND	2	58	.2	2	2	30	.33	.073	23	19	.28	169	.12	2	2.04	.02	.08	1	6
83+00E 93+50N	1	15	9	31	.1	16	5	407	1.47	5	5	ND	2	68	.5	2	2	30	.41	.069	27	17	.25	148	.10	2	1.44	.02	.09	1	3
83+00E 93+25N	1	15	8	50	.1	11	4	554	1.18	3	5	ND	1	79	.2	2	2	23	.51	.119	14	12	.20	181	.09	2	1.37	.02	.07	1	3
83+00E 93+00N	1	15	14	51	.1	16	5	659	1.58	7	5	ND	3	61	.2	2	2	30	.56	.072	25	16	.25	184	.10	3	1.59	.01	.14	1	2
83+00E 92+75N	1	18	11	48	.1	13	5	485	1.30	5	5	ND	1	101	.2	2	2	26	.63	.101	24	14	.24	177	.08	2	1.50	.02	.12	1	12
83+00E 92+50N	1	17	15	50	.1	15	5	510	1.58	4	5	ND	1	96	.2	2	2	32	.58	.095	32	19	.27	168	.10	3	1.66	.02	.14	1	3
83+00E 92+25N	1	19	14	68	.1	13	4	764	1.39	14	5	ND	1	75	.3	2	2	24	.54	.147	14	12	.20	167	.08	2	1.39	.02	.09	1	5
83+00E 92+00N	1	15	4	37	.1	22	5	422	1.34	2	5	ND	3	119	.3	2	2	25	.54	.043	23	20	.51	115	.09	2	1.15	.03	.13	1	5
83+00E 91+75N	1	16	10	51	.1	22	4	326	1.08	5	5	ND	1	454	.2	2	3	21	1.92	.071	17	21	1.37	127	.06	31	.96	.04	.13	1	1
83+00E 91+50N	1	9	8	39	.1	22	5	148	1.21	2	5	ND	2	71	.2	2	2	18	.31	.027	13	19	.34	65	.08	5	1.25	.02	.11	1	4
83+00E 91+25N	1	10	8	35	.1	19	5	316	1.28	2	5	ND	3	72	.2	2	2	24	.41	.038	18	18	.26	101	.09	2	1.07	.02	.11	1	1
83+00E 91+00N	1	11	8	45	.1	17	5	476	1.37	5	5	ND	3	49	.5	2	2	27	.27	.111	18	16	.23	136	.10	2	1.34	.02	.08	1	4
STANDARD C/AU-S	17	57	38	129	7.2	67	30	1061	3.77	38	17	7	37	47	17.9	15	21	57	.49	.100	38	55	.88	175	.08	32	1.90	.06	.14	11	48

Minnova Inc. PROJECT 661 File # 90-1314 Page 1

3rd floor-311 water St., Vancouver, BC V6B 1B8 Submitted by: LINDA LEE

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
84+00E 100+00N	1	23	9	63	.2	10	11	462	2.66	3	5	ND	2	243	.7	2	2	51	.89	.154	40	21	.83	118	.13	3	1.38	.02	.23	1	6
84+00E 99+75N	1	21	16	56	.2	9	9	456	2.41	2	5	ND	2	305	.5	2	2	46	.76	.131	41	19	.67	135	.14	2	1.71	.02	.20	1	3
84+00E 99+50N	1	26	16	63	.2	11	8	667	1.89	4	5	ND	3	200	.4	2	2	38	.74	.149	59	17	.46	97	.12	3	1.78	.03	.14	1	2
84+00E 99+25N	1	21	7	49	.2	8	5	452	1.39	6	5	ND	1	255	.3	2	2	27	.71	.110	32	13	.29	153	.08	4	1.53	.02	.16	1	3
84+00E 99+00N	1	25	31	65	.1	14	8	606	2.01	5	5	ND	7	103	.3	2	2	42	.48	.119	56	19	.35	122	.14	2	2.11	.03	.17	1	3
84+00E 98+75N	1	25	21	76	.2	14	8	500	1.79	2	6	ND	3	211	.4	2	2	33	.70	.129	57	19	.45	170	.12	3	1.71	.02	.24	2	1
84+00E 98+50N	1	24	18	63	.2	10	6	404	1.64	3	5	ND	3	301	.6	2	2	30	.59	.098	41	14	.35	137	.09	3	1.47	.02	.18	1	4
84+00E 98+25N	1	21	22	75	.2	12	8	572	1.92	4	5	ND	3	267	.9	2	2	40	.74	.120	42	18	.51	137	.11	5	1.53	.02	.23	1	2
84+00E 98+00N	1	23	18	67	.2	20	7	604	1.64	6	5	ND	2	232	.6	2	2	30	.65	.103	30	22	.40	169	.09	8	1.38	.02	.21	1	3
84+00E 97+75N	1	21	13	79	.2	89	12	666	1.64	4	5	ND	2	175	.5	2	2	27	.78	.184	23	46	.36	224	.09	6	1.67	.01	.17	1	1
84+00E 97+50N	1	15	12	49	.1	21	7	540	1.56	2	5	ND	3	89	.4	3	2	30	.36	.074	29	18	.27	166	.10	2	1.59	.01	.13	1	2
84+00E 97+25N	1	24	3	66	.2	10	4	453	1.09	6	5	ND	1	537	.7	3	2	19	.91	.074	17	18	1.13	137	.07	9	1.12	.07	.16	1	1
84+00E 97+00N	1	13	5	46	.1	29	7	486	1.74	2	5	ND	3	110	.3	2	2	31	.32	.068	21	22	.36	153	.11	3	1.74	.02	.14	1	2
84+00E 96+75N	1	16	7	52	.1	244	22	660	1.46	5	5	ND	1	69	.2	3	2	20	.41	.094	4	42	.38	112	.06	2	.50	.02	.06	1	2
84+00E 96+50N	1	18	8	49	.1	263	19	1045	2.54	5	5	ND	1	91	.5	2	3	26	.59	.073	11	86	.84	181	.06	3	1.52	.02	.14	1	4
84+00E 96+25N	1	20	6	45	.1	127	11	429	1.84	2	5	ND	2	498	.2	2	2	28	1.83	.053	22	51	.61	120	.08	7	1.38	.03	.17	1	1
84+00E 96+00N	1	15	17	44	.1	123	12	507	1.91	5	5	ND	3	247	.7	2	2	31	.74	.053	29	61	.62	129	.09	6	1.38	.02	.16	1	2
84+00E 95+75N	1	17	3	45	.2	193	17	630	1.97	8	5	ND	2	90	.3	2	2	29	.52	.077	25	97	.96	169	.09	8	1.59	.02	.14	1	2
84+00E 95+50N	1	21	7	39	.2	53	7	658	1.84	2	5	ND	2	100	.6	2	2	33	.38	.048	17	29	.53	174	.09	5	1.56	.02	.14	1	1
84+00E 95+25N	1	16	10	42	.2	89	11	495	1.53	4	5	ND	2	98	.2	2	2	26	.46	.055	24	44	.63	142	.08	5	1.38	.02	.14	1	1
84+00E 95+00N	1	15	10	51	.3	24	6	413	1.38	4	5	ND	2	140	.8	3	2	26	.51	.081	28	22	.40	140	.08	9	1.22	.02	.14	1	3
84+00E 94+75N	1	17	9	45	.1	40	7	419	1.59	2	5	ND	1	125	.3	2	2	30	.60	.106	33	31	.45	130	.08	2	1.19	.02	.15	1	1
84+00E 94+50N	1	17	9	45	.1	25	6	430	1.38	5	5	ND	1	122	.5	2	2	27	.56	.089	23	22	.33	157	.08	3	1.36	.02	.14	1	2
84+00E 94+25N	1	18	15	46	.2	29	7	469	1.52	3	5	ND	1	130	.3	2	2	29	.58	.097	28	23	.34	162	.08	5	1.36	.02	.20	1	1
84+00E 94+00N	1	21	13	45	.1	26	7	504	1.71	4	5	ND	2	178	.7	2	3	31	.73	.075	31	26	.68	157	.09	8	1.44	.04	.21	2	1
84+00E 93+75N	1	17	10	62	.2	14	4	315	1.17	2	5	ND	1	398	.8	2	2	21	1.08	.083	16	20	1.99	154	.06	35	1.12	.05	.16	1	1
84+00E 93+50N	1	19	7	56	.1	16	3	318	.98	2	5	ND	1	600	.5	2	2	18	2.12	.072	13	18	1.75	111	.05	29	.91	.04	.09	1	1
84+00E 93+25N	1	13	9	44	.2	28	6	406	1.48	4	5	ND	1	83	.5	2	2	30	.42	.103	24	25	.34	120	.09	6	1.34	.02	.09	2	17
84+00E 93+00N	1	25	11	57	.2	7	3	550	.85	5	5	ND	1	77	.2	2	2	19	.68	.102	6	7	.14	113	.05	5	.50	.02	.06	1	3
84+00E 92+75N	1	23	4	65	.2	8	7	913	1.43	7	5	ND	1	56	.4	2	3	21	.73	.137	8	6	.15	133	.04	4	.83	.02	.05	1	1
84+00E 92+50N	1	16	9	49	.2	31	7	464	1.70	4	5	ND	2	74	.4	2	2	34	.49	.100	32	26	.38	154	.10	3	1.44	.01	.13	1	2
84+00E 92+25N	1	14	20	42	.1	101	10	412	1.48	2	5	ND	1	88	.3	2	2	27	.44	.078	25	50	.84	146	.08	4	1.41	.02	.12	1	1
84+00E 92+00N	2	18	8	54	.2	73	8	373	1.51	6	5	ND	1	526	.5	2	2	26	1.46	.092	22	41	2.84	127	.08	27	1.34	.05	.13	2	1
84+00E 91+00N	1	10	14	44	.2	45	6	235	1.51	4	6	ND	4	53	.3	2	2	29	.22	.042	15	27	.34	155	.11	4	1.59	.02	.08	2	2
84+00E 90+75N	1	11	8	37	.1	52	7	436	1.43	3	5	ND	3	56	.2	2	2	26	.36	.082	21	38	.42	148	.09	6	1.26	.02	.14	2	1
84+00E 90+50N	1	11	2	38	.2	40	6	336	1.52	4	5	ND	3	63	.5	2	2	26	.33	.046	21	32	.41	112	.08	4	1.12	.02	.11	2	1
STANDARD C/AU-S	18	58	38	130	7.0	67	31	1050	3.90	40	22	6	36	47	18.5	15	20	58	.50	.094	38	55	.89	174	.08	38	1.90	.06	.13	11	46

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 16 1990 **DATE REPORT MAILED:** May 23/90. **SIGNED BY.....**C. Leong.D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
84+00E 90+25N	1	10	10	44	.1	28	5	458	1.40	4	5	ND	2	37	.9	2	3	26	.38	.130	13	19	.31	162	.10	5	1.53	.02	.12	1	1
84+00E 90+00N	1	13	22	58	.1	64	9	1028	1.84	8	5	ND	2	81	.6	2	2	31	.75	.067	19	41	.58	243	.10	7	1.69	.02	.10	1	4
84+00E 89+75N	1	15	12	55	.2	18	6	835	1.64	6	5	ND	1	52	.8	2	2	27	.51	.081	14	12	.28	194	.09	3	1.97	.02	.06	1	3
84+00E 89+50N	1	15	12	47	.1	29	8	892	1.56	7	5	ND	1	60	.6	2	4	25	.56	.070	18	21	.30	167	.08	4	1.45	.02	.10	1	4
84+00E 89+25N	1	18	15	58	.3	19	6	997	1.39	14	5	ND	1	68	.9	2	4	25	.81	.078	12	12	.22	189	.09	5	1.63	.02	.08	2	1
84+00E 89+00N	1	37	19	86	.4	48	9	1142	1.64	32	5	ND	1	84	1.4	2	2	26	1.03	.142	17	20	.28	245	.10	7	1.77	.02	.12	1	3
84+00E 88+75N	1	335	22	107	.6	18	8	2457	2.06	14	5	ND	1	98	1.1	2	2	26	2.13	.223	14	13	.37	294	.05	7	1.69	.02	.12	1	1
84+00E 88+50N	1	103	18	65	.6	14	11	2130	2.97	9	5	ND	1	45	.5	2	2	42	.85	.106	30	9	.63	309	.07	7	2.45	.02	.14	1	3
84+00E 88+25N	1	38	11	64	.1	14	7	1296	1.62	6	5	ND	1	55	1.0	2	2	25	.93	.084	15	8	.35	227	.06	2	1.36	.02	.14	2	2
84+00E 88+00N	1	27	9	67	.3	31	8	865	1.43	6	5	ND	1	142	.8	2	2	25	1.37	.106	25	17	.37	182	.06	12	1.42	.03	.21	1	3
84+00E 87+75N	1	27	17	72	.3	46	9	788	1.48	6	5	ND	1	146	.8	2	2	26	1.19	.093	27	19	.35	208	.07	10	1.66	.02	.20	1	2
84+00E 87+50N	1	29	8	34	.2	13	3	216	.80	3	5	ND	1	681	.2	4	2	13	10.39	.065	9	12	1.06	137	.03	8	.72	.06	.12	1	4
84+00E 87+25N	1	17	12	41	.1	37	6	544	1.83	3	5	ND	1	96	1.0	2	2	34	.70	.077	32	32	.43	152	.09	2	1.51	.02	.09	2	5
84+00E 87+00N	1	17	16	55	.1	27	6	537	1.52	4	5	ND	1	100	.7	2	2	28	.76	.097	26	21	.35	182	.07	4	1.51	.02	.17	1	4
84+00E 86+75N	1	20	20	51	.2	60	8	521	1.92	7	5	ND	1	100	.2	2	2	34	.84	.097	35	43	.68	152	.08	3	1.39	.02	.14	1	1
84+00E 86+50N	1	23	13	53	.2	49	8	606	1.91	7	5	ND	2	83	.7	2	3	35	.67	.094	37	39	.54	157	.09	3	1.43	.02	.15	1	1
84+00E 86+25N	1	19	9	53	.2	27	6	552	1.34	5	5	ND	1	120	.4	2	2	25	.93	.093	28	18	.30	173	.06	6	1.25	.02	.09	1	3
84+00E 86+00N	1	17	13	52	.1	25	6	509	1.57	4	5	ND	1	89	.5	2	2	31	.71	.099	29	21	.31	169	.08	2	1.37	.02	.13	1	1
84+00E 85+75N	1	18	13	58	.1	17	6	599	1.63	2	5	ND	1	81	.7	2	2	30	.65	.090	26	16	.28	187	.09	4	1.65	.02	.15	1	4
84+00E 85+50N	1	17	6	56	.1	15	7	734	1.55	6	5	ND	1	79	.5	2	2	27	.81	.097	23	14	.29	194	.09	5	1.85	.02	.17	1	6
84+00E 85+00N	1	14	18	69	.1	11	8	1780	2.48	7	5	ND	1	36	.6	2	4	41	.48	.093	24	10	.40	200	.10	6	2.32	.02	.11	3	5
84+00E 84+75N	1	31	11	76	.2	24	13	1600	2.68	12	5	ND	1	42	.8	2	2	37	1.01	.105	21	13	.43	174	.04	7	1.39	.01	.15	1	4
84+00E 84+50N	1	33	11	41	.1	41	9	788	2.01	10	5	ND	1	43	.2	2	2	34	.88	.060	14	25	.46	185	.06	7	1.24	.02	.16	1	1
84+00E 84+25N	1	28	27	114	.1	23	10	1590	3.02	8	5	ND	1	59	.5	2	2	39	1.14	.083	24	16	.76	260	.05	4	1.91	.01	.20	1	4
84+00E 84+00N	1	13	3	34	.2	6	4	465	1.00	6	5	ND	1	23	.2	2	2	22	.55	.046	8	7	.23	66	.05	4	.66	.02	.07	3	5
84+00E 83+75N	1	22	11	47	.1	10	6	1127	1.73	7	5	ND	1	59	1.0	2	2	27	.55	.047	20	10	.39	175	.07	3	1.53	.02	.17	1	2
84+00E 83+50N	1	19	15	49	.2	10	7	722	1.60	2	5	ND	2	60	1.2	2	2	29	.57	.068	22	10	.31	168	.09	5	1.56	.02	.18	1	2
84+00E 83+25N	1	22	8	47	.1	13	7	810	1.66	4	5	ND	2	69	1.1	2	2	29	.60	.063	21	12	.34	180	.09	7	1.72	.02	.17	3	4
84+00E 83+00N	1	21	17	52	.1	10	7	956	1.61	4	5	ND	1	59	.8	2	2	27	.76	.080	18	9	.33	188	.07	5	1.58	.02	.18	1	3
85+00E 100+00N	1	22	17	53	.1	12	8	487	1.88	10	5	ND	6	163	.9	2	2	41	.66	.117	56	17	.35	140	.11	4	1.82	.03	.19	1	3
85+00E 99+75N	1	34	30	67	.1	7	10	917	2.28	7	5	ND	8	200	1.0	2	2	42	.87	.154	113	9	.54	118	.11	4	2.37	.07	.21	1	5
85+00E 99+50N	1	44	29	67	.1	9	8	516	2.10	8	5	ND	9	215	1.3	2	2	39	.90	.146	94	12	.46	144	.09	4	2.11	.05	.31	1	4
85+00E 99+25N	1	29	12	66	.1	9	7	574	1.43	4	5	ND	2	208	1.5	2	2	28	.99	.131	45	10	.33	158	.09	3	1.62	.02	.20	1	5
85+00E 99+00N	1	25	18	70	.1	13	8	610	1.74	5	5	ND	2	142	1.0	2	3	34	.77	.107	45	16	.36	171	.11	2	2.18	.02	.19	1	3
85+00E 98+75N	1	29	19	77	.1	14	9	665	1.89	4	5	ND	3	226	.7	2	2	37	.93	.125	50	18	.42	188	.10	5	1.94	.02	.28	1	4
85+00E 98+50N	1	26	18	80	.1	12	7	536	1.54	4	5	ND	1	192	1.0	2	2	29	.79	.110	36	15	.34	184	.09	3	1.83	.02	.23	1	4
STANDARD C/AU-S	17	58	43	130	6.8	69	31	1056	3.90	41	17	8	37	48	20.0	15	20	60	.51	.088	38	55	.91	175	.08	34	1.94	.06	.13	11	53

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
85+00E 98+25N	1	31	15	101	.6	16	8	574	1.79	13	5	ND	3	221	.7	4	2	33	.99	.140	42	18	.43	199	.10	11	2.02	.02	.28	1	1
85+00E 98+00N	1	26	21	92	.2	17	7	524	1.78	11	5	ND	3	160	.3	2	2	32	.86	.125	39	19	.36	185	.10	3	2.00	.02	.25	1	1
85+00E 97+75N	1	26	17	88	.2	26	7	564	1.78	7	5	ND	3	166	.7	2	2	33	.86	.123	40	21	.38	190	.10	4	1.97	.02	.22	1	3
85+00E 97+50N	1	26	14	70	.2	17	7	537	1.89	6	5	ND	3	159	.7	2	2	35	.74	.105	42	22	.39	184	.11	3	2.01	.02	.21	1	2
85+00E 97+25N	1	24	14	73	.1	30	8	544	1.87	8	5	ND	2	155	.5	2	2	34	.81	.125	41	29	.48	178	.10	4	1.90	.02	.22	1	1
85+00E 97+00N	1	21	18	56	.1	24	7	500	1.71	8	5	ND	2	175	.2	2	2	33	.72	.097	36	23	.39	170	.10	3	1.73	.02	.20	1	1
85+00E 96+75N	1	18	17	60	.1	21	5	481	1.46	7	5	ND	2	145	.8	2	2	26	.58	.082	26	19	.34	142	.09	3	1.67	.02	.15	1	6
85+00E 96+50N	1	15	11	42	.1	15	4	344	1.18	2	5	ND	1	677	.3	2	2	21	2.17	.068	20	17	.69	98	.06	18	.89	.08	.26	1	2
85+00E 96+25N	1	14	10	40	.1	22	3	262	.95	5	5	ND	1	1559	.7	2	2	20	3.42	.104	13	19	1.17	143	.05	27	.76	.07	.17	1	1
85+00E 96+00N	1	29	8	52	.1	33	7	404	1.75	5	5	ND	7	97	.6	2	2	33	.44	.144	43	28	.43	140	.10	2	1.57	.02	.12	1	1
85+00E 95+75N	1	14	8	45	.1	25	6	531	1.39	3	5	ND	2	79	.3	2	3	27	.47	.091	25	19	.27	140	.09	2	1.33	.02	.09	1	1
85+00E 95+50N	1	18	6	67	.1	188	14	638	1.79	6	5	ND	1	59	.6	2	4	27	.50	.135	13	58	.49	93	.07	2	.90	.02	.07	1	1
85+00E 95+25N	1	15	17	43	.1	95	12	506	1.80	10	5	ND	3	72	.5	2	2	30	.41	.064	26	47	.43	152	.11	2	1.78	.02	.18	1	3
85+00E 95+00N	1	16	13	49	.1	81	7	1004	2.13	10	5	ND	1	51	.2	2	2	27	.50	.091	11	18	.46	186	.06	2	1.15	.02	.07	1	1
85+00E 94+75N	1	14	2	40	.1	290	20	547	1.72	2	5	ND	1	32	.3	2	2	27	.34	.056	9	78	.30	83	.08	2	1.03	.02	.06	1	1
85+00E 94+50N	1	10	18	53	.1	154	11	511	2.61	4	5	ND	8	49	.3	2	2	36	.39	.059	50	61	.51	267	.14	2	1.63	.02	.22	1	3
85+00E 94+25N	2	16	8	56	.1	936	71	838	3.34	7	5	ND	2	59	.2	2	2	31	.50	.051	14	403	1.56	116	.09	6	1.90	.02	.21	1	3
85+00E 94+00N	1	18	10	58	.2	349	23	577	2.10	6	5	ND	3	66	.4	2	3	29	.52	.084	25	75	.58	129	.11	4	1.80	.02	.19	1	1
85+00E 93+75N	1	16	10	41	.1	92	10	487	1.98	6	5	ND	4	64	.3	2	2	35	.42	.072	34	40	.42	151	.12	2	1.91	.02	.19	2	1
85+00E 93+50N	1	19	11	52	.1	40	7	504	1.64	6	5	ND	1	107	.7	2	3	29	.69	.111	33	27	.37	181	.09	2	1.80	.02	.16	2	3
85+00E 93+25N	1	20	16	64	.1	38	8	516	1.85	6	5	ND	2	101	.4	2	2	34	.65	.112	38	32	.41	178	.11	2	1.94	.02	.17	1	1
85+00E 93+00N	1	18	9	49	.1	31	7	400	1.51	4	5	ND	1	332	.6	2	2	27	1.10	.101	29	31	2.00	148	.08	40	1.35	.16	.35	2	3
85+00E 92+75N	1	18	10	50	.1	16	3	245	.88	5	5	ND	1	677	.7	2	2	20	2.36	.090	13	7	5.46	184	.04	142	1.53	.05	.26	1	1
85+00E 92+50N	1	19	4	50	.1	48	6	229	1.51	9	5	ND	2	1174	.2	4	2	32	5.09	.094	29	20	5.52	207	.07	35	1.21	.04	.10	1	1
85+00E 92+25N	1	18	14	54	.1	20	4	255	.80	8	5	ND	1	748	.2	4	2	20	2.76	.088	10	7	6.21	204	.04	164	1.57	.04	.17	1	1
85+00E 92+00N	1	15	7	41	.1	15	3	189	.72	16	5	ND	1	2335	.2	2	2	21	6.18	.053	9	2	7.87	183	.04	82	1.29	.05	.08	1	2
85+00E 91+75N	1	22	4	26	.1	15	2	102	.40	12	5	ND	1	2553	.4	2	2	16	10.48	.047	4	7	3.83	143	.03	31	.80	.05	.03	1	2
85+00E 91+50N	2	18	2	24	.1	21	2	163	.24	4	5	ND	1	2359	.2	2	4	13	13.06	.059	2	9	1.12	112	.01	17	.26	.04	.02	1	1
85+00E 91+25N	1	19	15	57	.1	67	10	506	2.24	7	5	ND	2	493	.2	2	2	43	2.50	.099	32	41	.98	133	.12	7	1.61	.03	.17	1	3
85+00E 91+00N	1	17	18	64	.1	13	12	600	3.17	7	5	ND	7	114	.8	2	2	64	.70	.107	47	30	1.01	112	.19	2	2.11	.03	.22	1	2
85+00E 90+75N	1	14	2	33	.1	12	3	123	.56	4	5	ND	1	1200	.5	2	2	10	6.81	.056	5	8	2.55	123	.04	22	.71	.05	.06	1	3
85+00E 90+50N	1	10	11	41	.1	53	8	274	2.06	11	5	ND	4	52	.4	2	6	33	.26	.059	16	31	.47	182	.11	4	2.46	.02	.13	1	3
85+00E 90+25N	1	7	4	50	.2	21	4	446	1.19	6	5	ND	3	33	.3	2	2	24	.21	.048	13	16	.22	117	.09	5	.99	.02	.10	1	3
85+00E 90+00N	1	19	5	38	.1	33	6	664	1.56	5	5	ND	1	46	.4	2	3	20	.32	.082	8	16	.29	152	.07	2	1.46	.02	.13	2	4
85+00E 89+75N	1	10	2	36	.1	8	4	753	1.23	4	5	ND	1	37	.2	2	2	19	.33	.047	7	7	.16	148	.08	2	1.36	.02	.09	1	2
85+00E 89+50N	1	17	10	66	.3	12	4	1074	1.10	13	5	ND	1	74	.2	2	2	19	.96	.113	9	8	.19	199	.06	6	.96	.02	.15	2	2
STANDARD C/AU-S	20	58	44	131	6.7	67	31	1126	4.15	39	18	7	37	48	18.6	15	23	59	.51	.093	39	57	.98	176	.08	34	1.95	.06	.14	13	50

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
85+00E 89+25N	1	53	20	76	.3	226	16	1688	2.19	25	5	ND	1	50	.5	3	6	27	.69	.060	14	44	.38	165	.09	7	1.81	.02	.13	1	9
85+00E 89+00N	1	27	15	61	.1	12	5	1061	1.23	13	5	ND	1	49	.6	2	5	18	.88	.065	10	7	.17	173	.06	4	1.18	.02	.08	1	2
85+00E 88+75N	1	34	14	56	.1	19	9	1341	1.92	10	5	ND	1	30	.7	2	3	28	.48	.077	21	10	.23	198	.09	3	1.79	.02	.12	1	2
85+00E 88+50N	1	23	19	63	.2	28	10	793	1.97	12	5	ND	3	30	.4	2	3	32	.32	.055	24	19	.29	200	.11	7	1.93	.02	.13	1	1
85+00E 88+25N	1	31	104	88	.4	23	7	1082	1.81	16	5	ND	1	31	1.1	2	7	28	.39	.078	23	17	.27	197	.09	4	1.77	.02	.12	1	33
85+00E 88+00N	1	22	24	48	.1	32	5	622	1.50	8	5	ND	1	94	.5	2	2	24	.87	.081	21	21	.34	192	.08	5	1.60	.02	.11	1	2
85+00E 87+75N	1	15	9	38	.1	16	4	378	1.03	5	5	ND	1	324	.2	2	2	16	3.67	.047	13	16	.78	150	.05	14	.82	.10	.12	1	1
85+00E 87+50N	1	13	4	36	.1	28	5	502	1.25	6	5	ND	1	70	.2	2	2	21	.39	.064	17	20	.28	131	.07	4	1.02	.02	.09	1	1
85+00E 87+25N	1	18	8	51	.2	25	5	511	1.34	5	5	ND	1	100	.2	2	2	23	.66	.063	19	19	.29	173	.07	4	1.28	.02	.09	1	2
85+00E 87+00N	1	20	10	55	.1	25	5	517	1.40	5	5	ND	1	111	.2	2	2	23	.75	.078	22	19	.31	193	.07	3	1.45	.02	.12	1	3
85+00E 86+75N	1	22	9	66	.2	20	5	483	1.34	6	5	ND	1	115	.2	2	2	21	.76	.098	21	16	.30	196	.06	6	1.40	.02	.17	1	2
85+00E 86+50N	1	21	12	47	.1	19	5	515	1.32	5	5	ND	1	129	.3	2	2	22	.84	.089	19	16	.27	192	.06	2	1.42	.02	.12	1	2
85+00E 86+25N	1	20	8	46	.1	20	5	512	1.36	6	5	ND	1	117	.6	2	2	24	.72	.096	23	16	.27	186	.06	2	1.54	.02	.11	1	3
85+00E 86+00N	1	18	5	44	.1	17	5	499	1.50	4	5	ND	1	115	.4	2	2	25	.65	.091	25	16	.28	202	.07	3	1.71	.02	.14	1	1
85+00E 85+75N	1	19	6	52	.1	20	4	459	1.34	7	5	ND	1	110	.2	2	2	24	.64	.094	23	16	.26	177	.06	3	1.39	.02	.14	1	5
85+00E 85+50N	1	21	19	62	.1	23	7	590	1.81	8	5	ND	3	69	.6	3	2	32	.50	.088	31	22	.33	173	.10	3	1.67	.02	.19	1	2
85+00E 85+25N	1	18	8	57	.1	13	5	704	1.56	5	5	ND	1	56	.2	2	2	25	.57	.064	21	11	.24	184	.08	2	1.62	.02	.16	1	3
85+00E 85+00N	1	19	12	60	.1	18	6	593	1.56	7	5	ND	1	75	.3	2	2	26	.57	.082	25	15	.27	183	.08	5	1.39	.02	.16	1	13
85+00E 84+75N	1	28	12	60	.1	26	7	791	1.84	3	5	ND	2	61	.5	2	2	31	.60	.062	26	19	.33	190	.08	3	1.46	.02	.19	1	1
85+00E 84+50N	1	23	15	55	.1	14	7	1042	1.87	3	5	ND	1	63	.4	2	3	29	.63	.079	23	12	.33	207	.08	5	1.63	.02	.19	1	4
85+00E 84+25N	1	22	8	56	.1	15	7	876	1.99	6	5	ND	2	46	.2	3	2	32	.54	.072	24	15	.40	162	.09	6	1.73	.02	.17	1	2
85+00E 84+00N	3	19	17	57	.1	12	8	876	2.18	7	5	ND	1	27	.2	3	2	35	.55	.067	17	10	.48	111	.04	3	1.31	.01	.14	1	1
85+00E 83+75N	1	17	20	60	.1	9	7	1041	2.19	5	5	ND	1	37	.2	2	2	27	.71	.045	13	7	.51	149	.03	9	1.55	.01	.26	1	4
85+00E 83+50N	1	18	13	58	.1	9	8	1022	2.32	2	5	ND	1	37	.2	2	2	26	.58	.033	12	9	.50	135	.04	4	1.58	.01	.24	1	3
85+00E 83+25N	1	19	19	67	.1	4	3	701	.75	7	5	ND	1	96	.2	2	2	15	1.86	.084	3	5	.17	151	.04	12	.40	.01	.10	1	2
85+00E 83+00N	1	15	11	55	.1	5	6	639	1.77	3	5	ND	1	55	.2	3	4	19	1.25	.042	8	5	.32	182	.03	7	.91	.01	.16	1	2
86+00E 100+00N	1	42	26	91	.3	14	12	764	2.92	2	5	ND	10	258	.3	2	2	53	1.02	.202	104	18	.58	149	.09	2	2.08	.02	.32	1	1
86+00E 99+75N	1	26	21	80	.1	13	8	557	1.89	6	5	ND	7	198	.5	2	2	36	.68	.099	59	16	.34	166	.10	2	1.94	.02	.22	1	3
86+00E 99+50N	1	18	18	45	.1	13	7	427	1.61	2	5	ND	4	157	.2	2	2	31	.51	.071	39	15	.30	143	.11	2	1.62	.02	.19	2	4
86+00E 99+25N	1	19	9	49	.2	10	6	500	1.68	2	5	ND	4	170	.3	2	2	32	.56	.076	42	16	.30	157	.10	3	1.60	.02	.25	2	2
86+00E 99+00N	1	24	20	77	.1	15	7	563	1.83	5	5	ND	4	156	.2	2	2	37	.74	.100	46	19	.35	147	.10	3	1.58	.01	.22	1	6
86+00E 98+75N	1	19	13	77	.1	16	6	486	1.62	6	5	ND	2	118	.4	2	2	31	.61	.118	32	17	.28	165	.10	3	1.80	.02	.17	1	3
86+00E 98+50N	1	18	9	56	.1	11	6	414	1.63	3	5	ND	2	141	.6	2	2	33	.68	.112	36	15	.27	174	.10	2	1.79	.02	.19	1	3
86+00E 98+25N	1	18	8	68	.1	11	5	425	1.49	5	5	ND	2	124	.6	2	2	30	.63	.102	34	15	.27	166	.09	3	1.59	.02	.18	1	1
86+00E 98+00N	1	23	17	62	.1	17	6	483	1.78	7	5	ND	2	164	.2	3	2	33	.77	.125	44	19	.36	197	.11	4	2.05	.02	.23	1	1
86+00E 97+75N	1	25	14	77	.2	12	6	515	1.51	4	5	ND	1	201	.2	2	2	28	.84	.121	38	12	.29	196	.08	4	1.53	.02	.23	1	1
STANDARD C/AU-S	18	58	37	131	6.6	68	31	1049	3.86	36	21	7	36	47	18.7	16	20	58	.50	.088	38	54	.90	174	.08	32	1.91	.06	.14	11	49

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
86+00E 97+50N	1	20	15	63	.2	11	6	448	1.73	6	5	ND	4	100	.3	2	11	31	.52	.081	42	14	.31	162	.12	4	2.38	.02	.15	1	5
86+00E 97+25N	1	27	19	81	.3	14	7	614	1.86	4	5	ND	4	140	.7	2	12	32	.77	.101	49	13	.33	199	.12	2	2.52	.02	.20	2	1
86+00E 97+00N	1	22	12	60	.2	13	7	568	1.44	7	5	ND	1	161	.7	2	10	23	.83	.115	33	12	.26	221	.09	8	1.98	.02	.20	1	2
86+00E 96+75N	1	27	19	65	.2	16	8	563	1.94	7	5	ND	5	118	.6	2	11	32	.64	.097	49	15	.37	195	.11	2	2.29	.02	.29	1	1
86+00E 96+50N	1	24	18	38	.1	15	6	576	1.62	5	5	ND	2	168	.2	2	8	27	.65	.081	39	14	.31	178	.10	2	1.79	.02	.21	1	1
86+00E 96+25N	1	22	20	57	.2	22	7	689	1.67	6	5	ND	4	198	.3	2	7	29	.70	.078	35	20	.31	190	.10	4	1.67	.02	.22	1	1
86+00E 96+00N	1	17	10	38	.2	17	5	266	1.70	5	5	ND	5	229	.5	2	3	29	.59	.024	28	19	.32	80	.11	6	1.56	.03	.17	2	1
86+00E 95+75N	1	27	23	66	.1	29	8	584	1.88	4	5	ND	2	259	.4	2	3	34	1.21	.105	34	23	.49	169	.10	4	1.76	.03	.19	1	1
86+00E 95+50N	1	31	17	48	.2	9	5	370	1.29	3	5	ND	1	678	.5	2	8	30	2.25	.109	30	12	.29	134	.09	8	1.29	.03	.12	1	2
86+00E 95+25N	1	19	16	72	.2	10	5	550	1.70	7	5	ND	3	145	.4	2	13	35	.70	.107	39	14	.28	150	.13	2	1.99	.02	.14	1	1
86+00E 95+00N	1	21	12	53	.2	26	6	406	1.42	3	5	ND	1	343	.3	2	3	25	1.38	.117	22	24	1.25	157	.08	16	1.29	.03	.17	1	1
86+00E 94+75N	1	16	11	49	.1	48	7	534	1.52	6	5	ND	2	91	.7	2	7	27	.45	.124	23	25	.28	168	.09	2	1.41	.02	.09	1	2
86+00E 94+50N	1	15	11	47	.2	72	9	577	1.63	6	5	ND	3	92	.6	2	9	30	.49	.087	27	28	.30	169	.11	3	1.68	.02	.13	3	1
86+00E 94+25N	1	16	8	56	.1	40	7	430	1.77	6	5	ND	4	68	.2	2	7	35	.35	.109	32	25	.31	137	.11	2	1.58	.02	.09	1	1
86+00E 94+00N	1	16	11	48	.2	54	8	518	1.79	3	5	ND	4	67	.6	2	7	32	.37	.069	29	28	.33	165	.12	2	1.84	.02	.12	1	3
86+00E 93+75N	1	21	6	46	.1	231	19	630	2.57	8	5	ND	4	61	.2	2	12	41	.40	.073	37	63	.50	128	.11	2	1.60	.02	.15	1	1
86+00E 93+50N	2	18	11	49	.1	728	47	779	3.04	9	5	ND	2	64	.3	2	10	30	.45	.087	17	139	.76	122	.09	2	1.45	.02	.19	1	1
86+00E 93+25N	1	23	18	51	.1	77	10	516	2.24	4	5	ND	5	121	.5	2	12	42	.50	.111	48	37	.45	169	.11	2	1.69	.02	.27	1	1
86+00E 93+00N	1	19	17	54	.2	34	7	465	1.65	5	5	ND	2	133	.5	2	13	30	.63	.092	36	26	.45	163	.09	5	1.45	.02	.19	1	1
86+00E 92+75N	1	20	17	47	.2	38	8	487	1.78	4	5	ND	3	115	.5	2	12	34	.60	.101	42	26	.47	148	.10	2	1.46	.02	.19	1	3
86+00E 92+50N	1	21	15	44	.1	83	10	496	1.83	6	5	ND	2	122	.2	2	6	33	.61	.111	36	37	.70	162	.09	5	1.46	.02	.19	1	1
86+00E 92+25N	1	16	17	37	.1	43	8	442	1.63	6	5	ND	1	123	.6	2	5	29	.55	.080	29	23	.50	174	.09	8	1.64	.02	.19	1	1
86+00E 92+00N	1	18	11	59	.3	72	9	461	1.91	11	5	ND	3	152	.2	2	4	35	.59	.104	32	36	1.05	152	.10	8	1.58	.03	.24	1	5
86+00E 91+75N	1	19	16	49	.1	25	6	484	1.69	6	5	ND	2	143	.5	2	11	32	.61	.083	28	23	.46	192	.10	8	1.75	.02	.19	1	26
86+00E 91+50N	1	16	15	35	.1	46	7	451	1.63	5	5	ND	3	85	.5	2	10	31	.39	.077	24	33	.50	131	.10	2	1.47	.02	.16	1	3
86+00E 91+25N	1	20	6	42	.1	27	5	416	1.24	7	5	ND	1	1076	.5	2	7	21	3.77	.104	18	21	2.44	160	.07	33	1.12	.04	.21	1	9
86+00E 91+00N	1	39	8	48	.3	52	3	142	.41	10	5	ND	1	1944	.2	3	6	12	15.29	.149	6	16	.69	189	.03	18	.57	.05	.06	1	3
86+00E 90+75N	1	10	8	29	.1	43	6	220	1.52	2	5	ND	2	115	.2	2	8	26	.45	.032	11	32	.48	78	.10	4	1.45	.02	.10	1	6
86+00E 90+50N	1	12	9	37	.1	71	9	548	1.66	4	5	ND	3	71	.5	2	5	30	.32	.097	17	45	.58	164	.11	7	1.58	.02	.13	1	6
86+00E 90+25N	1	13	6	46	.2	48	7	465	1.57	7	5	ND	4	64	.2	2	9	28	.29	.081	19	31	.42	133	.11	4	1.65	.02	.14	1	1
86+00E 90+00N	1	18	7	48	.2	42	6	386	1.48	3	5	ND	2	516	.2	2	4	23	2.58	.102	25	33	.95	143	.07	21	1.07	.03	.21	1	1
86+00E 89+75N	1	13	7	30	.1	32	5	176	1.36	5	5	ND	2	216	.3	2	9	20	2.06	.040	16	27	.50	97	.08	6	1.07	.03	.13	1	3
86+00E 89+50N	1	14	12	48	.2	45	7	471	1.61	8	5	ND	3	73	.2	2	13	28	.36	.098	18	31	.41	141	.11	3	1.65	.02	.12	1	1
86+00E 89+25N	1	17	9	55	.2	37	7	608	1.59	5	5	ND	3	80	.8	2	10	26	.47	.069	19	27	.39	179	.10	6	1.59	.02	.15	1	1
86+00E 89+00N	1	18	13	65	.2	29	6	550	1.57	8	5	ND	2	86	.2	2	9	26	.47	.105	22	24	.40	164	.10	6	1.53	.02	.19	1	1
86+00E 88+75N	1	17	10	41	.1	34	6	518	1.45	5	5	ND	3	77	.8	2	10	25	.40	.141	19	24	.36	164	.10	3	1.48	.02	.12	1	2
STANDARD C/AU-S	18	58	40	127	6.7	67	30	1061	4.03	40	17	7	37	48	18.6	15	21	60	.52	.096	38	55	.92	175	.08	34	1.98	.06	.13	11	47

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
86+00E 88+50N	1	18	31	64	.2	54	7	537	1.41	8	5	ND	2	80	.2	2	7	25	.47	.128	22	32	.44	169	.09	7	1.27	.02	.13	1	9
86+00E 88+25N	1	19	2	55	.2	67	9	518	1.64	2	5	ND	1	78	.4	2	2	29	.48	.100	26	40	.54	169	.10	6	1.50	.02	.12	1	2
86+00E 88+00N	1	15	7	60	.2	62	8	591	1.44	6	5	ND	1	77	.6	2	4	26	.55	.123	19	41	.50	167	.08	10	1.19	.02	.11	1	1
86+00E 87+75N	1	17	2	53	.3	43	7	566	1.42	4	5	ND	1	79	.8	2	3	26	.55	.089	21	30	.37	171	.08	6	1.30	.02	.10	1	3
86+00E 87+50N	1	21	6	65	.2	39	7	600	1.46	4	5	ND	1	94	.4	2	4	27	.69	.101	26	26	.35	200	.08	7	1.57	.02	.12	1	2
86+00E 87+25N	1	22	10	61	.2	42	7	579	1.53	7	5	ND	1	81	.4	2	2	28	.66	.124	26	28	.40	188	.08	6	1.66	.02	.12	1	2
86+00E 87+00N	1	23	15	86	.2	14	4	700	1.13	8	5	ND	1	66	.5	2	2	19	.79	.142	12	12	.20	207	.08	9	1.33	.02	.11	1	3
86+00E 86+75N	1	14	14	62	.2	10	4	679	1.21	6	5	ND	1	60	.4	2	2	21	.63	.077	13	11	.19	194	.09	7	1.49	.02	.10	2	1
86+00E 86+50N	1	15	3	56	.1	13	5	692	1.22	6	5	ND	1	74	.5	2	4	20	.64	.083	16	11	.20	177	.07	5	1.33	.02	.10	2	1
86+00E 86+25N	1	13	2	51	.1	10	6	703	1.36	4	5	ND	1	50	.3	2	2	21	.54	.064	10	8	.17	172	.09	7	1.70	.02	.09	1	1
86+00E 86+00N	1	16	2	45	.1	12	5	589	1.20	3	5	ND	1	66	.2	2	2	22	.60	.085	16	10	.19	168	.08	2	1.43	.02	.10	2	1
86+00E 85+75N	1	28	6	73	.1	10	4	798	1.27	5	5	ND	1	59	.2	2	2	22	.66	.106	14	8	.21	191	.07	5	1.45	.02	.11	2	3
86+00E 85+50N	1	15	9	60	.2	21	6	487	2.09	7	5	ND	3	64	.4	2	3	38	.40	.079	29	24	.33	242	.14	4	2.52	.02	.13	2	3
86+00E 85+25N	1	14	11	56	.2	15	6	557	1.62	5	5	ND	2	44	.3	2	6	30	.35	.066	22	15	.23	193	.12	5	2.30	.02	.10	1	2
86+00E 85+00N	1	21	5	79	.1	9	7	807	1.78	3	5	ND	1	37	.2	2	3	24	.53	.104	17	8	.18	184	.07	6	1.48	.02	.15	1	4
86+00E 84+75N	1	16	7	63	.2	11	5	634	1.52	2	5	ND	1	51	.3	2	4	25	.50	.079	19	11	.22	185	.09	4	1.75	.02	.12	2	1
86+00E 84+50N	1	29	3	73	.1	16	7	1029	1.59	6	5	ND	1	41	.2	2	2	29	.53	.112	14	12	.23	186	.06	5	1.51	.02	.08	1	2
86+00E 84+25N	1	18	6	60	.1	16	5	570	1.41	4	5	ND	1	82	.2	2	2	25	.62	.119	21	14	.27	175	.07	4	1.35	.02	.18	1	1
86+00E 84+00N	1	17	9	69	.2	12	5	622	1.34	6	5	ND	1	77	.2	2	2	22	.67	.083	18	10	.22	208	.07	5	1.43	.02	.20	1	1
86+00E 83+75N	1	18	5	78	.2	10	5	686	1.34	5	5	ND	1	68	.2	2	2	21	.73	.105	15	10	.21	207	.06	7	1.29	.02	.13	1	1
86+00E 83+50N	1	16	6	60	.1	9	6	868	1.65	6	5	ND	1	31	.2	2	2	24	.48	.071	13	7	.18	139	.07	3	1.46	.02	.11	1	1
86+00E 83+25N	1	19	6	70	.1	12	9	980	2.44	8	5	ND	2	31	.2	2	2	31	.51	.063	18	11	.29	186	.07	4	1.45	.02	.21	1	9
86+00E 83+00N	1	53	11	73	.1	20	13	1158	2.69	4	5	ND	1	59	.2	2	2	41	2.35	.101	10	15	.53	311	.02	9	1.23	.01	.20	1	6
87+00E 100+00N	1	23	8	64	.1	10	9	734	2.12	2	5	ND	2	229	.2	2	7	41	.75	.123	38	18	.49	150	.09	8	1.89	.02	.27	1	3
87+00E 99+75N	1	21	9	72	.1	10	8	547	2.39	5	5	ND	7	105	.2	2	5	52	.53	.136	51	22	.39	154	.15	2	1.98	.02	.26	1	4
87+00E 99+50N	1	21	11	57	.1	10	7	506	1.73	4	5	ND	4	101	.4	2	4	34	.48	.082	39	16	.29	175	.13	4	1.97	.02	.22	1	3
87+00E 99+25N	1	22	14	127	.1	7	5	649	1.89	4	5	ND	8	106	.5	2	3	30	.64	.095	105	10	.25	124	.07	2	1.61	.02	.20	1	2
87+00E 99+00N	1	13	11	55	.1	8	4	400	1.24	2	5	ND	4	117	.2	2	2	22	.48	.056	37	11	.19	134	.09	4	1.45	.02	.15	1	3
87+00E 98+75N	1	14	6	50	.1	6	4	420	1.13	4	5	ND	1	108	.2	2	2	23	.41	.089	22	11	.19	138	.09	5	1.29	.02	.14	1	1
87+00E 98+50N	1	19	8	76	.1	8	5	528	1.29	6	5	ND	1	127	.2	2	2	24	.61	.152	26	11	.23	177	.09	4	1.56	.02	.19	1	4
87+00E 98+25N	1	19	11	63	.1	7	5	458	1.28	2	5	ND	1	189	.2	2	2	24	.68	.112	27	11	.23	168	.08	3	1.72	.02	.15	1	2
87+00E 98+00N	1	18	8	49	.1	8	4	367	1.29	2	5	ND	1	261	.5	2	2	25	.58	.051	27	12	.25	151	.11	4	1.79	.03	.19	1	1
87+00E 97+75N	1	20	2	61	.1	11	6	497	1.34	5	5	ND	2	184	.4	2	3	27	.70	.128	35	12	.22	152	.09	3	1.39	.02	.13	1	2
87+00E 97+50N	1	21	13	64	.2	14	6	514	1.65	2	5	ND	3	142	.4	2	3	35	.70	.137	43	17	.28	161	.11	2	1.57	.02	.18	1	3
87+00E 97+25N	1	19	13	67	.1	10	5	501	1.27	2	5	ND	1	164	.3	2	4	24	.75	.109	28	10	.24	178	.08	4	1.40	.02	.13	1	2
87+00E 97+00N	1	18	5	69	.2	13	5	509	1.45	2	5	ND	2	100	.2	2	2	27	.52	.077	30	13	.25	162	.12	3	2.00	.02	.13	1	2
STANDARD C/AU-S	18	57	36	130	6.8	64	30	1055	3.83	36	18	6	36	47	17.6	15	23	57	.51	.094	36	55	.89	174	.08	34	1.87	.06	.14	11	53

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
87+00E 96+75N	1	18	9	71	.2	11	5	650	1.35	3	5	ND	3	97	1.4	2	2	27	.53	.071	28	11	.22	165	.12	4	1.99	.02	.13	1	3
87+00E 96+50N	1	11	4	59	.1	7	4	564	1.20	3	5	ND	2	83	.2	2	4	25	.40	.043	25	11	.20	140	.10	2	1.67	.02	.12	1	3
87+00E 96+25N	1	16	17	65	.2	12	5	589	1.51	4	5	ND	5	77	1.0	2	2	30	.37	.047	30	12	.24	164	.13	4	2.26	.02	.15	1	4
87+00E 96+00N	1	16	7	68	.4	17	6	244	1.82	3	5	ND	6	95	.9	2	4	33	.31	.041	34	19	.33	137	.15	5	2.86	.03	.18	1	3
87+00E 95+75N	1	20	7	39	.1	8	3	229	.93	2	5	ND	1	1245	.7	2	2	16	5.93	.058	18	9	.35	84	.05	12	.96	.06	.10	1	2
87+00E 95+50N	1	17	5	60	.1	15	6	418	1.68	4	5	ND	5	183	.6	2	5	34	.53	.080	46	17	.29	132	.11	3	1.65	.02	.18	1	3
87+00E 95+25N	1	14	5	56	.1	28	6	477	1.41	2	5	ND	2	96	.7	2	4	25	.39	.083	24	19	.26	158	.10	2	1.82	.02	.11	1	4
87+00E 95+00N	1	17	10	66	.1	34	6	577	1.44	4	5	ND	1	105	.7	2	2	25	.68	.077	21	19	.32	195	.08	4	1.64	.02	.13	1	6
87+00E 94+75N	1	10	5	53	.1	52	6	435	1.09	2	5	ND	1	73	.5	2	2	21	.40	.073	12	25	.20	138	.08	4	1.11	.02	.10	1	1
87+00E 94+50N	1	17	9	66	.2	61	7	503	1.55	3	5	ND	1	169	.7	2	3	29	.82	.085	24	29	.45	150	.09	5	1.44	.02	.14	1	7
87+00E 94+25N	1	10	4	52	.1	255	11	243	1.63	5	5	ND	1	56	.6	2	4	20	.30	.189	6	36	.25	125	.12	4	2.14	.03	.05	1	2
87+00E 94+00N	1	13	2	66	.1	344	37	732	3.16	3	5	ND	1	45	.5	2	3	21	.29	.121	5	50	1.42	98	.08	10	1.15	.02	.05	1	2
87+00E 93+75N	1	9	2	48	.2	442	25	481	2.46	2	5	ND	2	42	.5	2	4	31	.32	.034	12	86	.42	127	.12	6	2.00	.02	.11	1	1
87+00E 93+50N	1	9	3	50	.1	635	34	492	2.05	3	5	ND	1	34	.6	2	2	25	.26	.036	4	118	.24	112	.09	2	1.21	.03	.07	1	3
87+00E 93+25N	1	20	11	70	.2	263	20	971	1.85	26	5	ND	1	85	.8	2	2	24	.69	.084	17	81	.51	177	.07	2	1.44	.02	.13	1	24
87+00E 93+00N	1	12	12	45	.1	401	21	639	2.72	4	5	ND	3	45	1.0	2	2	34	.32	.032	17	89	.55	136	.11	2	2.05	.02	.16	1	2
87+00E 92+75N	1	10	10	47	.1	49	8	700	1.84	6	5	ND	1	38	.5	2	2	27	.33	.019	12	17	.28	150	.11	3	2.00	.02	.14	1	5
87+00E 92+50N	1	16	2	68	.1	1126	70	869	3.74	6	5	ND	1	62	.3	2	2	23	.61	.064	5	127	4.04	108	.06	10	1.01	.02	.10	1	3
87+00E 92+25N	1	11	3	28	.1	94	8	413	.78	4	5	ND	1	76	.2	2	2	15	.73	.046	2	17	.32	74	.04	2	.41	.02	.07	1	3
87+00E 92+00N	1	13	2	42	.1	107	10	388	1.77	2	5	ND	5	60	.5	2	2	34	.36	.051	33	43	.47	117	.11	4	1.45	.02	.14	1	5
87+00E 91+75N	1	11	3	40	.1	63	8	389	1.33	3	5	ND	2	73	.5	2	2	25	.39	.077	23	30	.44	138	.09	5	1.36	.02	.12	1	16
87+00E 91+50N	1	14	16	47	.1	107	11	516	1.67	11	5	ND	1	64	.6	2	3	30	.41	.068	25	52	.46	151	.10	2	1.64	.02	.10	1	2
87+00E 91+25N	1	12	7	44	.1	48	8	515	1.44	7	5	ND	2	53	.7	2	2	28	.36	.059	21	33	.35	128	.10	2	1.25	.02	.10	1	2
87+00E 91+00N	1	14	16	49	.1	69	9	500	1.89	8	5	ND	5	60	.3	2	2	35	.31	.048	30	42	.49	127	.12	4	1.67	.02	.15	1	5
87+00E 90+75N	1	17	6	43	.2	30	5	266	1.15	5	5	ND	2	417	.6	2	2	24	1.37	.049	24	21	.45	105	.07	7	.91	.03	.10	1	3
87+00E 90+50N	1	11	5	45	.1	19	5	377	1.49	2	5	ND	4	214	.8	2	2	28	.61	.050	29	23	.60	125	.10	9	1.29	.02	.21	1	41
87+00E 90+25N	1	11	9	43	.1	13	5	305	1.42	2	5	ND	4	194	.5	2	2	27	.53	.049	31	21	.76	104	.09	9	1.20	.02	.19	1	3
87+00E 90+00N	1	13	8	44	.1	12	4	393	.98	2	5	ND	1	478	.6	2	2	20	2.27	.082	22	17	1.20	143	.06	14	.91	.07	.14	1	4
87+00E 89+75N	1	9	11	37	.3	24	6	248	1.35	3	5	ND	4	78	.5	2	2	25	.30	.026	20	23	.35	83	.10	4	1.12	.02	.14	1	4
87+00E 89+50N	1	14	8	64	.1	28	6	443	1.50	3	5	ND	4	156	.7	2	2	29	.57	.055	29	25	.52	136	.10	8	1.24	.02	.23	1	2
87+00E 89+25N	1	15	9	47	.1	37	7	408	1.71	2	5	ND	4	101	.5	2	2	28	.50	.042	29	28	.40	128	.11	3	1.47	.02	.19	1	3
87+00E 89+00N	1	19	15	56	.2	45	8	630	1.39	7	5	ND	1	100	.7	2	2	25	.57	.131	21	29	.35	198	.09	4	1.46	.02	.10	1	3
87+00E 88+75N	1	18	6	58	.1	37	7	718	1.33	5	5	ND	1	78	.6	2	2	25	.66	.122	16	24	.31	209	.09	3	1.50	.02	.10	1	1
87+00E 88+50N	1	18	10	55	.2	44	8	637	1.63	7	5	ND	1	66	.5	2	2	28	.50	.077	22	30	.38	179	.09	3	1.65	.02	.10	1	1
87+00E 88+25N	1	20	5	48	.2	31	7	675	1.47	6	5	ND	1	63	.2	2	2	26	.58	.094	17	21	.29	205	.09	3	1.93	.02	.09	1	1
87+00E 88+00N	1	19	4	63	.2	27	5	661	1.25	5	5	ND	1	70	.6	2	2	22	.72	.085	16	20	.26	186	.08	5	1.41	.02	.10	1	3
STANDARD C/AU-S	17	58	42	131	6.8	68	30	1048	3.82	40	20	7	37	47	19.2	15	17	58	.50	.087	38	55	.89	174	.08	36	1.94	.06	.14	11	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
87+00E 87+75N	1	14	2	41	.1	19	4	546	1.06	6	5	ND	1	58	.4	2	2	21	.57	.098	12	16	.21	157	.07	4	1.25	.02	.08	1	5
87+00E 87+50N	1	17	8	58	.3	101	10	598	1.49	3	5	ND	1	110	.3	2	4	24	.78	.093	18	33	.50	176	.08	7	1.53	.02	.12	1	9
87+00E 87+25N	1	20	7	50	.2	17	7	965	1.61	8	5	ND	1	33	.5	2	5	23	.54	.077	15	11	.21	144	.06	5	1.38	.02	.07	1	1
87+00E 87+00N	1	19	6	59	.1	28	6	775	1.44	5	5	ND	1	62	.6	2	4	28	.71	.076	19	19	.28	217	.08	5	1.48	.02	.14	1	3
87+00E 86+75N	1	16	2	49	.1	22	5	495	1.16	5	5	ND	1	76	.4	2	4	21	.60	.081	16	17	.22	188	.08	5	1.40	.02	.13	1	2
87+00E 86+50N	1	15	15	62	.2	17	5	602	1.20	6	5	ND	1	44	1.1	2	3	22	.40	.103	14	13	.21	137	.08	3	1.42	.02	.11	1	1
87+00E 86+25N	1	15	10	51	.2	11	4	565	1.06	5	5	ND	1	42	.4	2	2	21	.45	.088	10	10	.16	125	.08	3	1.29	.02	.07	1	4
87+00E 86+00N	1	19	27	72	.1	11	5	697	1.35	2	5	ND	1	47	.7	2	2	23	.45	.091	13	10	.18	160	.08	2	1.80	.02	.09	2	3
87+00E 85+75N	1	17	6	64	.1	10	4	806	1.14	15	5	ND	1	40	.8	2	2	22	.63	.101	8	11	.17	163	.07	3	1.25	.02	.09	1	4
87+00E 85+50N	1	22	10	82	.2	8	4	922	1.35	6	5	ND	1	43	.6	2	2	21	.60	.098	9	9	.18	151	.07	4	1.32	.02	.08	1	1
87+00E 85+25N	1	16	3	59	.2	11	5	705	1.24	2	5	ND	1	67	.2	2	5	19	.59	.074	13	9	.17	218	.07	3	1.52	.02	.08	1	2
87+00E 85+00N	1	13	7	73	.3	8	7	1023	1.64	2	5	ND	1	46	.4	2	2	21	.66	.073	12	5	.20	188	.07	5	1.69	.02	.11	1	1
87+00E 84+75N	1	16	12	68	.2	10	5	872	1.45	6	5	ND	1	41	.3	2	2	24	.49	.088	13	9	.24	143	.08	2	1.59	.02	.10	1	4
87+00E 84+50N	1	18	7	53	.1	15	7	835	1.59	4	5	ND	1	58	.4	2	2	22	.64	.072	17	10	.21	185	.06	2	1.32	.02	.10	1	1
87+00E 84+25N	1	19	9	89	.2	12	6	975	1.33	5	5	ND	1	55	.7	2	2	22	.91	.110	9	11	.15	187	.05	2	.98	.02	.08	1	3
87+00E 84+00N	1	18	6	58	.3	12	5	754	1.39	6	5	ND	1	41	.4	2	4	25	.44	.082	14	9	.18	187	.09	6	1.59	.02	.10	1	1
87+00E 83+75N	1	18	5	73	.2	12	7	830	1.44	10	5	ND	1	57	.5	2	3	23	.54	.094	16	10	.19	206	.08	3	1.59	.02	.10	1	1
87+00E 83+50N	1	17	7	58	.1	10	5	649	1.45	3	5	ND	1	48	.4	2	2	26	.50	.084	16	10	.21	182	.09	4	1.78	.02	.11	1	2
87+00E 83+25N	1	20	8	72	.1	17	9	1071	2.17	5	5	ND	1	44	.9	2	2	30	.60	.084	18	16	.29	157	.07	7	1.46	.02	.16	1	2
87+00E 83+00N	1	29	9	61	.2	26	10	1009	2.29	4	5	ND	3	46	.3	2	2	37	.44	.069	25	17	.33	202	.10	3	1.79	.02	.17	1	2
88+00E 100+00N	1	22	8	80	.2	13	6	547	1.44	4	5	ND	1	115	.6	2	3	31	.56	.148	33	19	.22	150	.10	6	1.51	.02	.20	1	4
88+00E 99+75N	1	18	11	64	.2	9	5	480	1.44	3	5	ND	2	115	.7	2	2	30	.54	.111	33	13	.22	173	.11	3	1.77	.02	.17	1	6
88+00E 99+50N	1	17	9	55	.2	9	5	480	1.41	3	5	ND	1	115	.5	2	2	28	.50	.080	32	12	.21	163	.11	2	1.85	.02	.14	1	1
88+00E 99+25N	1	26	18	67	.1	12	7	494	1.77	8	5	ND	6	182	.7	2	6	39	.67	.121	51	20	.38	141	.12	4	1.58	.02	.29	1	4
88+00E 99+00N	1	29	9	60	.3	12	6	454	1.50	2	5	ND	2	508	.4	2	2	30	1.72	.099	43	15	.37	135	.10	5	1.58	.02	.26	1	1
88+00E 98+75N	1	39	16	73	.3	12	5	305	1.14	7	5	ND	1	643	.9	2	2	29	2.14	.102	37	16	.38	89	.07	6	1.41	.05	.13	1	1
88+00E 98+50N	1	18	7	82	.1	2	3	421	.76	2	5	ND	1	455	.2	2	2	17	1.10	.100	40	5	.16	61	.05	4	.60	.02	.07	1	4
88+00E 98+25N	1	33	10	57	.2	10	5	285	1.26	2	5	ND	1	488	.4	2	2	27	1.10	.083	36	12	.39	79	.09	2	1.49	.06	.12	1	1
88+00E 98+00N	1	23	5	47	.1	6	3	280	.78	2	5	ND	1	341	.2	2	2	18	.83	.096	17	7	.18	90	.06	6	.89	.03	.12	1	1
88+00E 97+75N	1	29	27	77	.3	8	5	411	1.22	7	5	ND	2	636	.8	2	2	24	1.59	.097	29	11	.36	112	.08	6	1.32	.08	.11	1	2
88+00E 97+50N	1	23	10	86	.2	7	4	443	1.10	3	5	ND	1	306	.2	2	2	22	.73	.109	24	10	.27	105	.09	4	1.40	.03	.13	1	3
88+00E 97+25N	1	22	9	71	.3	15	6	456	1.67	5	5	ND	2	219	1.0	2	2	34	.55	.105	39	18	.32	167	.13	2	2.33	.03	.12	1	3
88+00E 97+00N	1	19	12	63	.2	11	6	536	1.44	3	5	ND	2	162	.2	2	3	29	.54	.135	29	11	.25	178	.12	2	2.03	.02	.15	1	1
88+00E 96+75N	1	19	9	60	.2	10	6	505	1.45	2	5	ND	4	131	.7	2	2	30	.55	.102	31	14	.25	189	.12	2	2.12	.02	.17	1	1
88+00E 96+50N	1	12	9	64	.2	8	4	535	1.10	2	5	ND	2	83	.5	2	2	24	.38	.071	18	9	.18	171	.10	6	1.46	.02	.11	1	3
88+00E 96+25N	1	13	5	56	.1	10	5	395	1.53	5	5	ND	5	75	.5	2	2	30	.31	.043	27	14	.25	155	.13	2	2.28	.03	.11	1	5
STANDARD C/AU-S	18	58	36	130	6.8	67	31	1050	3.81	39	16	7	37	47	17.7	15	19	58	.50	.094	37	55	.89	175	.08	34	1.91	.06	.14	13	48

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
88+00E 96+00N	1	16	15	68	.1	19	7	308	2.60	4	5	ND	7	132	.3	2	2	59	.45	.083	54	26	.36	112	.15	2	2.12	.02	.18	2	2
88+00E 95+75N	1	11	10	32	.1	7	6	431	1.48	2	5	ND	1	305	.3	2	2	28	.85	.057	24	11	.36	88	.06	2	1.35	.03	.11	1	1
88+00E 95+50N	1	12	13	54	.1	35	6	422	1.64	2	5	ND	4	131	.6	2	2	36	.38	.100	33	23	.24	124	.11	2	1.36	.02	.10	1	2
88+00E 95+25N	3	40	8	198	.3	1364	63	1276	3.35	6	5	ND	1	150	.5	2	4	27	.63	.143	7	388	.64	251	.08	4	1.59	.02	.08	1	1
88+00E 95+00N	1	14	11	47	.1	39	5	448	1.32	5	5	ND	1	89	.4	2	5	25	.36	.095	10	16	.22	126	.09	2	1.70	.02	.08	1	2
88+00E 94+75N	1	17	10	55	.1	23	7	671	1.48	3	5	ND	1	75	.5	2	2	25	.33	.047	12	10	.18	225	.09	2	1.87	.02	.10	1	4
88+00E 94+50N	1	12	9	57	.1	21	5	802	1.20	8	5	ND	1	57	.3	2	4	24	.32	.057	10	9	.18	185	.09	3	1.48	.02	.11	1	1
88+00E 94+25N	1	33	18	76	.3	32	7	1328	1.61	6	5	ND	1	86	.6	2	2	33	.59	.083	11	15	.31	242	.04	2	1.53	.02	.10	1	1
88+00E 94+00N	1	13	13	58	.1	43	6	739	1.37	3	5	ND	1	60	.5	2	2	26	.40	.057	15	21	.24	183	.09	2	1.61	.02	.10	1	3
88+00E 93+75N	1	34	11	75	.2	18	6	1421	1.30	7	5	ND	1	44	.7	2	2	28	.41	.084	11	12	.22	175	.05	2	.99	.02	.08	1	2
88+00E 93+50N	1	22	9	68	.1	15	6	1483	1.40	7	5	ND	1	56	.2	2	2	27	.52	.080	12	12	.21	238	.05	2	1.23	.02	.08	1	3
88+00E 93+25N	1	14	7	54	.1	20	6	645	1.56	2	5	ND	1	44	.6	2	2	29	.30	.046	12	12	.24	217	.10	2	1.89	.02	.07	3	2
88+00E 93+00N	1	12	11	41	.1	29	6	628	1.38	2	5	ND	2	50	.2	2	2	27	.38	.048	17	16	.21	197	.11	2	1.80	.02	.10	1	2
88+00E 92+75N	1	20	7	56	.2	55	8	692	1.56	2	5	ND	1	42	.4	2	2	31	.31	.076	15	27	.27	172	.10	2	1.66	.02	.08	1	2
88+00E 92+50N	1	14	8	48	.1	140	21	701	2.05	3	5	ND	1	59	.2	2	3	24	.46	.076	14	93	.51	125	.08	3	1.28	.02	.13	1	3
88+00E 92+25N	1	15	12	48	.1	38	7	541	1.49	5	5	ND	1	64	.4	2	2	27	.50	.060	21	22	.32	195	.11	4	1.98	.02	.12	1	2
88+00E 92+00N	1	15	14	56	.1	57	8	797	1.80	6	5	ND	1	47	.2	2	2	29	.37	.061	18	19	.31	180	.10	2	1.88	.02	.09	1	1
88+00E 91+75N	1	14	19	41	.1	209	17	581	2.04	3	5	ND	4	52	.2	2	2	34	.37	.050	23	80	.75	171	.12	2	1.90	.02	.15	1	2
88+00E 91+50N	4	18	11	55	.2	1712	99	970	4.12	17	5	ND	1	55	.2	2	4	14	.46	.075	5	142	10.26	98	.03	55	.72	.01	.06	1	5
88+00E 91+25N	1	12	9	37	.1	640	44	627	2.24	5	5	ND	1	48	.2	2	2	18	.42	.038	8	141	2.32	105	.05	13	.91	.01	.10	1	2
88+00E 91+00N	1	8	6	22	.1	201	17	351	1.33	5	5	ND	1	57	.2	2	2	18	.28	.031	12	68	1.41	157	.07	7	1.20	.02	.09	1	1
88+00E 90+75N	2	17	7	53	.1	806	71	1328	2.15	26	5	ND	1	46	.2	2	2	18	.35	.095	5	81	4.94	398	.05	42	.93	.02	.06	1	63
88+00E 90+50N	2	16	22	57	.2	1249	86	869	3.88	14	5	ND	1	130	1.2	2	2	24	1.01	.074	10	184	1.49	175	.06	11	.90	.02	.14	1	6
88+00E 90+25N	2	18	13	34	.1	836	46	518	2.98	3	5	ND	1	115	.2	2	2	24	.58	.035	10	345	5.64	102	.06	16	.99	.02	.10	1	1
88+00E 90+00N	1	12	10	28	.1	43	6	254	1.56	3	5	ND	4	118	.2	2	2	28	.33	.028	26	28	.38	107	.10	2	1.31	.02	.15	1	8
88+00E 89+75N	1	16	8	31	.1	27	6	367	1.38	4	5	ND	4	76	.4	2	2	24	.33	.035	28	20	.37	112	.09	3	1.26	.02	.16	1	3
88+00E 89+50N	1	15	9	46	.1	23	5	498	1.21	3	5	ND	2	90	.3	2	2	25	.45	.098	23	17	.25	148	.08	2	1.12	.02	.09	2	3
88+00E 89+25N	1	22	22	57	.6	44	8	441	1.64	6	5	ND	3	73	.4	2	2	32	.43	.081	31	31	.36	140	.11	2	1.74	.02	.09	1	2
88+00E 89+00N	1	14	12	44	.1	50	7	544	1.34	8	5	ND	2	60	.3	2	2	25	.43	.063	15	29	.29	137	.09	4	1.37	.02	.07	2	1
88+00E 88+75N	1	16	8	53	.1	19	4	664	1.06	6	5	ND	1	47	.2	2	2	17	.46	.079	9	12	.17	143	.08	2	1.39	.02	.06	1	1
88+00E 88+50N	1	17	8	75	.1	8	4	1006	1.00	4	5	ND	1	40	.2	2	2	18	.59	.095	7	8	.18	150	.06	2	.97	.02	.07	1	1
88+00E 88+25N	1	21	16	47	.1	94	10	892	1.23	6	5	ND	1	50	.2	2	2	17	.70	.060	8	29	.23	123	.05	3	.97	.02	.12	1	5
88+00E 88+00N	1	20	10	55	.1	29	5	683	1.15	2	5	ND	1	68	.5	2	2	18	.66	.069	13	15	.23	163	.06	3	1.24	.02	.10	1	2
88+00E 87+75N	1	16	13	48	.1	21	6	625	1.26	6	5	ND	1	55	.5	2	2	21	.51	.071	13	14	.22	156	.07	4	1.37	.02	.10	1	1
88+00E 87+50N	1	23	5	69	.1	24	7	877	1.47	3	5	ND	1	36	.2	2	2	22	.57	.077	16	15	.23	155	.06	2	1.53	.02	.11	1	1
88+00E 87+25N	1	15	11	48	.1	32	6	617	1.32	3	5	ND	1	38	.2	2	2	24	.50	.063	18	20	.30	118	.06	2	1.18	.02	.07	1	1
STANDARD C/AU-S	18	58	42	130	6.8	67	31	1053	3.92	37	21	6	37	47	17.9	15	22	58	.49	.089	38	55	.88	175	.08	37	1.92	.06	.13	12	49

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
88+00E 87+00N	1	16	9	37	.1	33	6	656	1.17	3	5	ND	1	46	.4	2	2	20	.48	.076	16	24	.28	135	.07	2	1.23	.02	.07	2	1
88+00E 86+75N	1	20	10	55	.1	17	6	1070	1.12	6	5	ND	1	46	.4	2	2	19	.72	.082	12	16	.20	183	.05	3	1.00	.02	.07	2	2
88+00E 86+50N	1	17	5	42	.2	28	6	677	1.22	8	5	ND	1	48	.4	2	2	22	.56	.087	17	20	.28	185	.07	2	1.39	.02	.13	1	2
88+00E 86+25N	1	17	10	43	.2	13	5	938	1.40	5	5	ND	1	32	.4	2	2	23	.39	.044	17	12	.20	220	.08	2	1.61	.02	.08	1	2
88+00E 86+00N	1	21	4	54	.2	28	7	841	1.64	10	5	ND	1	46	.5	2	2	28	.45	.079	23	25	.28	186	.10	3	1.82	.02	.11	1	4
88+00E 85+75N	1	29	13	57	.2	16	7	1502	1.98	12	5	ND	1	33	.6	2	3	32	.45	.076	22	13	.28	193	.08	2	1.80	.02	.10	1	1
88+00E 85+50N	1	20	19	61	.1	21	5	552	1.05	8	5	ND	1	75	.8	2	2	19	.64	.111	14	16	.25	174	.06	4	1.39	.02	.08	1	1
88+00E 85+25N	1	18	11	66	.1	25	4	512	.95	10	5	ND	1	84	.5	2	2	17	.73	.115	12	20	.27	173	.05	3	1.07	.01	.13	1	1
88+00E 85+00N	1	16	9	47	.1	36	6	533	1.17	6	5	ND	1	75	.5	2	2	21	.61	.084	18	27	.33	167	.06	2	1.28	.02	.13	1	2
88+00E 84+75N	1	15	4	57	.1	9	4	592	.86	8	5	ND	1	50	.4	2	2	15	.47	.119	10	9	.16	175	.05	2	1.19	.01	.13	2	1
88+00E 84+50N	1	14	5	42	.1	10	5	555	1.09	7	5	ND	1	47	.3	2	2	20	.43	.077	13	10	.16	165	.07	2	1.45	.02	.09	1	3
88+00E 84+25N	1	16	8	54	.1	9	5	678	1.24	10	5	ND	1	47	.4	2	2	21	.54	.088	13	9	.21	184	.07	2	1.57	.02	.13	1	1
88+00E 84+00N	1	17	8	55	.2	14	7	763	1.82	7	5	ND	2	43	.6	2	2	31	.45	.081	24	16	.30	171	.09	3	1.74	.01	.16	1	1
88+00E 83+75N	1	23	2	57	.2	21	8	963	1.77	9	5	ND	1	54	.8	2	2	27	.62	.086	20	20	.28	194	.08	4	1.56	.01	.17	1	4
88+00E 83+50N	1	29	14	58	.2	30	9	1362	2.07	8	5	ND	1	33	.5	2	4	34	.52	.083	16	20	.34	189	.08	3	1.80	.02	.12	1	1
88+00E 83+25N	1	17	10	53	.2	13	6	769	1.50	6	5	ND	1	35	.6	2	2	26	.40	.062	19	12	.23	161	.09	3	1.56	.01	.13	1	1
88+00E 83+00N	1	22	6	53	.2	17	7	832	1.68	5	5	ND	1	53	.6	2	2	28	.62	.092	19	15	.30	209	.08	3	1.43	.01	.18	1	3
89+00E 100+00N	1	19	8	54	.1	10	5	486	1.37	4	5	ND	1	147	.2	2	2	28	.65	.109	36	18	.28	153	.09	2	1.57	.02	.16	1	1
89+00E 99+75N	1	18	9	50	.2	10	5	446	1.37	4	5	ND	1	139	.4	2	2	29	.65	.106	43	14	.24	142	.09	2	1.46	.02	.12	2	1
89+00E 99+50N	1	18	10	50	.2	9	5	441	1.42	6	5	ND	1	148	.5	2	2	31	.64	.105	44	14	.23	157	.09	2	1.58	.02	.14	1	1
89+00E 99+25N	1	19	7	57	.1	9	5	445	1.44	6	5	ND	1	153	.6	2	2	32	.70	.103	40	16	.25	170	.10	2	1.72	.02	.18	1	2
89+00E 99+00N	1	24	8	58	.3	9	5	454	1.42	7	5	ND	2	290	.6	2	2	33	.92	.118	43	15	.27	137	.08	5	1.26	.02	.19	1	1
89+00E 98+75N	1	25	10	69	.2	8	4	373	1.07	3	5	ND	1	307	.6	2	2	23	.96	.096	35	12	.24	132	.07	4	1.42	.02	.15	1	1
89+00E 98+50N	1	20	10	63	.2	7	3	324	.96	5	5	ND	1	351	.6	2	2	20	.82	.092	27	10	.26	117	.07	3	1.27	.02	.16	1	1
89+00E 98+25N	1	22	9	93	.2	7	3	401	.96	3	5	ND	1	282	.6	2	2	19	.87	.107	47	8	.17	156	.06	2	1.15	.01	.11	1	1
89+00E 98+00N	1	17	11	77	.2	8	4	324	1.20	4	5	ND	1	127	.8	2	4	23	.60	.076	49	8	.18	127	.08	2	1.53	.02	.14	1	1
89+00E 97+75N	1	18	16	69	.1	8	4	426	1.22	5	5	ND	1	172	.8	2	2	26	.67	.102	41	12	.22	150	.08	3	1.54	.02	.15	1	1
89+00E 97+50N	1	20	13	70	.1	10	5	437	1.50	5	5	ND	2	187	.7	2	2	31	.60	.083	52	14	.24	122	.09	2	1.67	.02	.14	1	1
89+00E 97+25N	1	21	8	59	.2	10	5	493	1.01	4	5	ND	2	177	.7	2	2	21	.59	.094	29	10	.16	111	.07	2	1.12	.01	.13	1	1
89+00E 97+00N	1	24	8	110	.1	8	4	989	.89	6	5	ND	2	394	.6	2	2	18	1.36	.160	24	10	.16	207	.07	10	1.11	.01	.21	1	1
89+00E 96+75N	1	29	14	69	.2	13	6	520	1.25	7	5	ND	3	249	.4	2	2	25	.68	.136	40	12	.22	157	.09	2	1.46	.01	.15	1	1
89+00E 96+50N	1	25	12	71	.2	15	6	579	1.38	6	5	ND	4	190	.7	2	2	27	.61	.086	39	13	.23	151	.09	3	1.56	.02	.13	1	2
89+00E 96+25N	1	20	8	67	.3	18	6	523	1.38	11	5	ND	4	161	.7	2	2	28	.62	.104	39	16	.23	155	.10	4	1.57	.01	.15	1	11
89+00E 96+00N	1	14	12	68	.2	13	5	675	1.09	7	5	ND	2	145	.8	2	2	22	.52	.086	27	12	.18	152	.08	3	1.23	.01	.11	1	1
89+00E 95+75N	1	17	14	45	.2	14	5	424	1.25	8	5	ND	3	157	.4	2	2	25	.50	.074	38	13	.21	135	.09	2	1.61	.02	.12	1	1
89+00E 95+50N	1	16	12	47	.1	16	5	403	1.45	5	5	ND	4	128	.3	2	4	29	.43	.061	42	16	.24	126	.09	2	1.50	.02	.12	1	1
STANDARD C/AU-S	17	58	42	128	6.8	67	31	1055	3.73	37	18	7	36	47	19.1	15	21	58	.50	.099	37	55	.88	175	.08	36	1.92	.06	.14	12	50

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
89+00E 95+25N	1	12	11	42	.2	12	4	298	1.36	3	5	ND	4	186	.5	2	2	22	.44	.028	36	14	.24	82	.07	3	1.12	.01	.12	1	2
89+00E 95+00N	1	13	11	49	.2	7	6	281	2.02	5	5	ND	2	237	.8	2	4	43	.51	.067	21	20	.53	55	.10	4	.98	.02	.15	1	1
89+00E 94+50N	1	9	2	32	.2	4	4	167	.87	2	5	ND	1	4127	.6	4	2	19	15.75	.065	7	12	1.87	67	.05	3	.37	.06	.03	1	1
89+00E 94+25N	1	16	12	73	.3	10	14	808	3.53	6	5	ND	1	255	.9	2	3	77	.89	.117	30	27	.93	89	.20	2	1.72	.02	.19	1	1
89+00E 94+00N	1	15	15	63	.3	21	12	600	3.02	9	5	ND	3	76	1.0	2	2	64	.48	.096	39	26	.75	103	.19	2	1.72	.02	.17	1	2
89+00E 93+75N	1	20	6	62	.3	12	13	1285	2.89	7	5	ND	2	54	1.0	2	3	62	.57	.128	35	31	.94	91	.12	2	1.72	.02	.15	1	1
89+00E 93+50N	1	23	11	77	.3	13	16	943	3.73	9	5	ND	4	96	.6	2	2	75	.79	.158	47	28	1.29	117	.16	2	1.60	.02	.20	1	1
89+00E 93+25N	1	11	11	44	.1	13	5	582	1.28	4	5	ND	2	63	.8	2	2	25	.31	.050	20	13	.28	128	.08	2	1.23	.01	.09	1	1
89+00E 93+00N	1	12	10	46	.2	25	5	465	1.32	3	5	ND	2	52	.6	2	2	26	.26	.081	19	16	.23	132	.09	2	1.62	.01	.08	1	1
89+00E 92+75N	1	14	7	52	.2	20	6	624	1.36	8	5	ND	1	58	.6	2	2	27	.37	.093	19	15	.26	145	.09	2	1.61	.01	.10	1	1
89+00E 92+50N	1	16	11	47	.2	30	6	469	1.45	7	5	ND	2	82	.4	2	2	29	.42	.095	32	20	.27	150	.08	2	1.25	.01	.15	1	1
89+00E 92+25N	1	18	14	64	.2	24	6	571	1.32	9	5	ND	1	66	.6	2	2	26	.44	.107	24	16	.22	150	.08	3	1.37	.01	.16	1	2
89+00E 92+00N	1	18	7	44	.2	20	5	493	1.30	5	5	ND	1	71	.4	2	2	23	.43	.095	20	14	.21	151	.08	2	1.41	.01	.12	1	2
89+00E 91+75N	1	15	12	46	.2	21	5	544	1.22	4	5	ND	1	65	.7	2	2	22	.41	.059	16	11	.19	153	.08	2	1.46	.01	.09	1	3
89+00E 91+50N	1	19	15	47	.1	31	8	683	1.44	7	5	ND	1	65	.4	2	3	25	.44	.054	22	15	.23	165	.08	2	1.37	.01	.14	1	1
89+00E 91+25N	1	18	9	41	.1	42	8	581	1.35	4	5	ND	1	74	.5	2	2	23	.44	.069	24	19	.29	174	.07	2	1.19	.01	.14	1	1
89+00E 91+00N	1	13	8	42	.1	171	17	556	1.38	5	5	ND	1	55	.2	2	5	18	.40	.079	11	54	.80	184	.06	5	1.16	.01	.08	1	2
89+00E 90+75N	1	24	7	66	.1	412	55	887	2.78	7	5	ND	1	94	.7	2	3	19	.67	.082	9	82	.57	97	.06	4	.89	.01	.11	1	1
89+00E 90+50N	1	16	15	48	.1	216	23	674	1.94	16	5	ND	1	61	.4	2	2	25	.35	.064	21	46	.46	144	.08	3	1.28	.01	.15	1	3
89+00E 90+25N	1	18	19	69	.2	31	7	619	1.38	7	5	ND	1	197	.8	2	2	25	.59	.083	25	14	.28	191	.08	3	1.65	.01	.14	1	3
89+00E 90+00N	1	23	24	58	.3	28	8	745	1.57	11	5	ND	1	113	.6	2	2	28	.49	.072	46	17	.32	168	.07	3	1.57	.01	.14	1	5
89+00E 89+75N	1	21	12	78	.2	23	7	628	1.39	8	5	ND	1	260	.4	2	2	25	.81	.087	33	15	.35	171	.07	6	1.54	.02	.13	1	1
89+00E 89+50N	1	17	11	48	.2	15	6	522	1.17	6	5	ND	1	145	.9	2	2	22	.57	.056	28	10	.21	165	.09	2	1.64	.02	.11	1	1
89+00E 89+25N	1	13	6	31	.1	20	4	474	1.02	6	5	ND	1	61	.2	2	2	15	.47	.045	8	6	.18	149	.06	2	1.04	.01	.05	1	1
89+00E 89+00N	1	17	11	45	.3	32	6	735	1.49	7	5	ND	1	59	.5	2	2	21	.56	.046	11	10	.22	201	.08	4	1.54	.02	.08	1	1
89+00E 88+75N	1	19	9	48	.1	24	6	847	1.43	5	5	ND	1	49	.5	2	3	20	.49	.049	11	14	.24	199	.06	2	1.26	.01	.06	1	1
89+00E 88+50N	1	15	10	53	.2	36	8	877	1.78	6	5	ND	1	59	.5	2	4	23	.58	.050	16	15	.27	240	.08	2	1.53	.01	.10	1	2
89+00E 88+25N	1	41	27	73	.3	56	10	1095	2.25	11	5	ND	1	50	.9	2	2	20	.63	.064	13	14	.33	155	.04	3	1.05	.01	.13	1	3
89+00E 88+00N	1	21	44	100	.5	285	18	903	3.11	66	5	ND	1	49	.8	4	4	22	.78	.062	9	45	.79	134	.02	3	1.13	.01	.14	1	3
89+00E 87+75N	1	15	15	54	.4	55	7	478	1.38	10	5	ND	1	63	.5	2	2	24	.47	.075	23	22	.33	143	.06	2	1.11	.01	.10	1	1
89+00E 87+50N	1	15	10	54	.2	39	7	525	1.53	10	5	ND	1	62	.5	2	4	28	.47	.071	25	25	.35	174	.09	5	1.52	.01	.11	1	1
89+00E 87+25N	1	18	6	50	.3	55	8	619	1.73	13	5	ND	1	44	.7	2	2	29	.36	.068	26	30	.39	133	.08	3	1.24	.01	.11	1	2
89+00E 87+00N	1	23	6	63	.3	69	11	1410	2.28	35	5	ND	1	41	.4	2	2	24	.58	.067	14	16	.23	186	.06	2	1.21	.01	.10	1	2
89+00E 86+75N	1	29	12	66	.5	36	9	1138	2.35	17	5	ND	1	47	.6	2	2	25	.51	.067	18	14	.27	167	.06	2	1.32	.01	.13	1	5
89+00E 86+50N	1	22	13	62	.2	16	6	832	1.49	13	5	ND	1	83	.5	2	3	18	.80	.065	11	6	.20	183	.05	4	1.12	.01	.12	1	1
89+00E 86+25N	1	21	23	81	.2	9	4	719	1.11	18	5	ND	1	55	.6	2	2	14	.54	.052	8	5	.12	181	.05	2	1.01	.01	.08	1	3
STANDARD C/AU-S	18	58	38	129	6.7	67	30	1049	3.81	39	19	6	36	47	19.1	15	23	58	.50	.089	37	56	.88	175	.08	35	1.90	.06	.14	11	55

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
89+00E 86+00N	1	21	5	81	.4	6	4	1112	.96	11	5	ND	1	51	.8	2	2	17	.74	.108	6	5	.15	218	.05	6	.95	.01	.08	1	3
89+00E 85+75N	1	26	11	77	.2	23	6	1060	1.38	13	5	ND	1	55	.9	2	2	24	.71	.126	11	15	.22	304	.08	3	1.53	.01	.08	1	1
89+00E 85+50N	1	1	2	1	.1	2	1	40	.04	2	5	ND	1	2	.2	2	2	1	.03	.004	2	1	.01	11	.01	2	.05	.01	.01	1	2
89+00E 85+25N	1	17	6	51	.2	15	6	1039	1.53	11	5	ND	1	40	.5	2	2	23	.62	.101	12	12	.21	205	.07	2	1.36	.01	.09	1	2
89+00E 85+00N	1	22	4	52	.2	5	5	973	1.73	5	5	ND	1	26	.4	2	2	21	.47	.080	9	4	.18	177	.05	2	1.12	.01	.09	1	1
89+00E 84+75N	1	18	9	55	.3	8	7	1373	2.11	7	5	ND	1	32	.2	2	2	24	.60	.077	11	5	.23	161	.05	3	1.27	.01	.09	1	1
89+00E 84+50N	1	15	10	61	.3	14	7	906	2.02	8	5	ND	1	33	.5	2	3	27	.40	.065	17	10	.24	185	.07	2	1.52	.01	.13	1	1
89+00E 84+25N	1	17	8	46	.2	12	6	692	1.58	6	5	ND	1	43	.6	2	2	26	.42	.068	17	10	.24	178	.09	3	1.75	.02	.14	1	1
89+00E 84+00N	1	21	7	57	.3	14	7	1006	1.96	6	5	ND	1	43	.4	2	2	27	.59	.078	17	11	.36	163	.06	2	1.49	.01	.15	1	2
89+00E 83+75N	1	21	11	65	.4	16	10	979	2.49	8	5	ND	2	31	.6	2	2	31	.53	.083	19	12	.41	151	.06	6	1.69	.01	.14	1	3
89+00E 83+50N	1	22	12	55	.2	23	8	803	1.97	8	5	ND	1	44	.4	2	2	28	.45	.073	20	15	.36	161	.07	5	1.38	.01	.17	1	1
89+00E 83+25N	1	21	11	53	.2	19	8	781	1.87	7	5	ND	1	53	.7	2	2	27	.47	.079	20	15	.27	180	.07	2	1.35	.01	.16	1	1
89+00E 83+00N	1	22	9	54	.3	16	6	762	1.52	7	5	ND	1	78	.4	2	2	24	.63	.095	20	11	.25	198	.07	2	1.41	.01	.15	1	1
90+00E 100+00N	1	17	11	76	.2	5	4	528	1.04	2	5	ND	1	76	.5	2	3	19	.34	.104	33	6	.15	135	.08	2	1.47	.01	.12	1	1
90+00E 99+75N	1	14	4	113	.2	3	3	781	.88	4	5	ND	1	147	.5	2	2	18	.58	.156	26	5	.12	233	.07	2	.92	.01	.13	1	1
90+00E 99+50N	1	18	13	110	.2	4	4	524	1.23	5	5	ND	8	121	.5	2	2	20	.63	.090	75	7	.16	156	.05	2	1.33	.01	.11	1	2
90+00E 99+25N	1	14	10	64	.3	4	3	376	1.16	4	5	ND	3	78	.5	2	2	20	.42	.072	41	4	.15	141	.08	2	1.57	.01	.13	1	1
90+00E 99+00N	1	21	10	72	.2	7	4	381	1.12	5	5	ND	1	230	1.0	2	2	20	.73	.073	39	6	.17	113	.08	2	1.60	.02	.11	1	2
90+00E 98+75N	1	17	6	74	.2	5	4	335	1.07	5	5	ND	1	179	.9	2	2	19	.56	.090	35	5	.15	135	.08	2	1.46	.02	.11	1	2
90+00E 98+50N	1	15	12	60	.1	6	4	340	1.05	4	5	ND	1	104	.6	2	3	19	.45	.056	48	5	.13	110	.07	2	1.27	.02	.09	1	1
90+00E 98+25N	1	15	7	81	.2	6	4	397	1.01	4	5	ND	1	150	.7	2	2	17	.61	.065	38	5	.16	139	.07	2	1.39	.01	.13	2	2
90+00E 98+00N	1	22	6	70	.1	6	3	384	.90	2	5	ND	1	195	.6	2	2	17	.85	.132	65	6	.16	87	.05	2	.93	.01	.09	1	1
90+00E 97+75N	1	17	11	56	.2	5	3	384	1.01	4	5	ND	1	244	.5	2	2	18	.70	.096	36	5	.16	116	.07	2	1.26	.01	.13	1	1
90+00E 97+50N	1	22	9	56	.3	8	4	401	1.12	4	5	ND	1	259	.6	2	2	24	.82	.101	39	9	.20	100	.06	2	1.09	.01	.14	1	2
90+00E 97+25N	1	22	18	68	.3	12	6	482	1.74	8	5	ND	6	124	.4	2	2	36	.54	.111	66	16	.31	119	.10	2	1.66	.01	.20	1	1
90+00E 97+00N	1	19	16	81	.1	7	5	431	1.47	6	5	ND	5	106	.6	2	2	28	.51	.078	53	11	.22	83	.08	2	1.25	.01	.15	1	1
90+00E 96+75N	1	21	9	74	.1	9	5	443	1.43	2	5	ND	3	153	.3	2	2	25	.57	.084	51	11	.25	133	.08	2	1.49	.01	.19	1	5
90+00E 96+50N	1	17	11	56	.1	8	5	383	1.19	4	5	ND	2	148	.5	2	4	22	.59	.099	40	9	.19	149	.08	2	1.52	.02	.16	1	1
90+00E 96+25N	1	16	19	82	.1	8	4	421	1.23	5	5	ND	1	296	.6	2	2	24	.93	.097	36	10	.26	122	.07	6	1.32	.02	.17	1	1
90+00E 96+00N	1	18	9	53	.2	7	4	420	1.00	4	5	ND	1	246	.4	2	2	18	.71	.093	27	7	.17	152	.06	2	1.33	.02	.11	2	1
90+00E 95+75N	1	18	10	49	.2	8	4	440	.93	3	5	ND	1	184	.6	2	3	16	.71	.104	25	7	.17	150	.06	2	1.37	.02	.08	2	2
90+00E 95+50N	1	19	6	51	.1	9	5	492	1.17	4	5	ND	1	139	.7	2	2	21	.63	.101	34	9	.21	162	.08	2	1.65	.02	.09	2	3
90+00E 95+25N	1	18	7	59	.1	9	5	524	1.13	4	5	ND	1	193	.6	2	2	21	.78	.121	30	9	.21	201	.07	2	1.41	.01	.13	1	1
90+00E 95+00N	1	21	11	78	.3	7	6	550	1.12	9	5	ND	1	188	.7	2	2	22	.84	.105	27	11	.28	141	.07	4	.98	.01	.14	1	1
90+00E 94+75N	1	27	15	83	.1	9	8	718	1.54	5	5	ND	2	177	.6	2	2	31	.83	.108	40	13	.38	136	.09	2	1.25	.02	.15	1	1
90+00E 94+50N	1	19	11	54	.2	9	6	471	1.25	3	5	ND	1	128	.2	2	3	23	.57	.072	31	9	.32	114	.08	2	1.32	.02	.13	1	1
STANDARD C/AU-S	18	58	37	129	6.9	68	31	1055	3.88	37	18	7	36	47	18.6	16	20	59	.51	.094	38	55	.90	175	.08	35	1.94	.06	.13	12	47

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
90+00E 94+25N	1	18	14	68	.2	8	5	518	1.15	5	5	ND	1	133	1.1	2	2	23	.56	.087	26	10	.25	119	.08	2	1.22	.01	.10	1	3
90+00E 94+00N	1	17	7	51	.2	13	5	441	1.25	7	5	ND	2	104	.6	2	3	24	.44	.085	28	13	.22	119	.08	2	1.32	.01	.10	2	2
90+00E 93+75N	1	20	7	64	.3	12	5	511	1.17	5	5	ND	1	143	.4	2	5	22	.61	.114	31	12	.21	136	.07	2	1.14	.01	.13	1	2
90+00E 93+50N	1	19	11	61	.2	12	5	528	1.15	9	5	ND	1	118	.7	2	2	22	.52	.093	31	10	.19	142	.08	2	1.40	.01	.11	1	1
90+00E 93+25N	1	17	13	58	.1	10	6	535	1.25	2	5	ND	4	143	.6	2	2	23	.53	.076	37	11	.22	163	.08	5	1.48	.01	.21	1	2
90+00E 93+00N	1	17	3	66	.2	7	4	604	.87	5	5	ND	1	140	.5	2	2	17	.59	.159	22	8	.15	176	.07	4	1.00	.01	.11	1	3
90+00E 92+75N	1	15	11	53	.2	6	4	417	1.07	2	5	ND	2	122	.7	2	3	19	.48	.090	27	8	.17	141	.08	3	1.28	.01	.14	1	1
90+00E 92+50N	1	16	10	52	.2	5	3	344	.91	6	5	ND	1	168	.6	2	2	19	.40	.072	27	8	.15	106	.06	2	1.09	.01	.10	2	1
90+00E 92+25N	1	18	9	50	.2	13	5	502	1.13	4	5	ND	1	238	.6	2	2	22	.56	.101	28	11	.18	138	.08	2	1.49	.02	.10	1	2
90+00E 92+00N	1	16	9	41	.2	9	4	409	.96	6	5	ND	1	252	.5	2	3	18	.67	.083	26	7	.18	132	.06	2	1.09	.01	.10	1	1
90+00E 91+75N	1	17	9	37	.1	11	5	333	1.09	4	5	ND	1	379	.8	2	2	21	.80	.049	28	11	.25	114	.07	2	1.30	.03	.11	1	1
90+00E 91+50N	1	16	2	36	.1	9	3	175	.94	2	5	ND	1	538	.3	2	2	18	.96	.041	15	12	.29	72	.06	5	1.08	.03	.09	1	1
90+00E 91+25N	1	16	2	42	.1	22	6	361	1.36	2	5	ND	1	299	.2	2	2	27	.70	.078	19	19	.33	115	.08	3	1.32	.02	.15	1	1
90+00E 91+00N	1	15	8	40	.2	21	6	504	1.40	6	5	ND	2	122	.5	2	2	27	.42	.069	22	13	.26	134	.09	2	1.73	.02	.11	2	1
90+00E 90+75N	1	61	8	70	.2	18	12	974	2.12	7	5	ND	2	129	.5	2	2	47	.64	.108	36	25	.51	119	.07	2	1.67	.01	.16	1	1
90+00E 90+50N	1	21	9	52	.2	25	12	910	2.31	4	5	ND	2	97	.2	2	2	52	.45	.073	31	33	.53	120	.09	2	2.00	.02	.13	1	1
90+00E 90+25N	1	21	10	66	.2	10	13	1114	2.98	6	5	ND	1	135	.4	2	2	73	.66	.130	35	39	.79	98	.07	2	1.41	.02	.12	1	1
90+00E 90+00N	1	24	6	53	.1	5	5	1121	1.05	4	5	ND	1	202	.6	2	2	23	.71	.125	13	10	.21	153	.04	2	.80	.02	.06	1	1
90+00E 89+75N	1	15	3	46	.1	12	5	495	1.24	3	5	ND	1	152	.7	2	2	21	.44	.077	28	11	.21	151	.07	2	1.38	.01	.14	1	1
90+00E 89+50N	1	14	9	54	.1	11	5	473	1.15	3	5	ND	1	110	.7	2	2	21	.48	.074	23	8	.20	166	.08	3	1.47	.01	.12	1	1
90+00E 89+25N	1	16	9	47	.1	14	5	561	1.09	5	5	ND	1	101	.6	2	2	20	.54	.070	22	9	.18	144	.07	2	1.24	.01	.12	1	3
90+00E 89+00N	1	16	11	37	.1	14	5	564	1.12	5	5	ND	1	116	.6	2	2	21	.58	.068	28	11	.20	220	.07	2	1.20	.01	.10	1	1
90+00E 88+75N	1	17	4	46	.1	18	6	618	1.16	4	5	ND	1	101	.6	2	3	20	.53	.115	19	13	.20	201	.06	2	1.21	.01	.09	1	3
90+00E 88+50N	1	13	5	49	.2	11	5	501	1.10	4	5	ND	3	61	.8	2	2	19	.33	.065	40	8	.19	157	.08	2	1.19	.01	.11	1	1
90+00E 88+25N	1	16	8	51	.2	19	5	546	.96	7	5	ND	1	82	.7	2	2	17	.59	.089	20	8	.16	225	.06	3	1.07	.01	.09	1	1
90+00E 88+00N	1	19	6	48	.2	177	13	595	1.47	30	5	ND	1	76	.5	2	3	22	.59	.116	16	36	.33	161	.06	3	1.29	.01	.09	1	1
90+00E 87+75N	1	20	24	75	.3	40	7	571	1.23	11	5	ND	1	73	.9	2	2	20	.64	.095	17	16	.24	158	.06	4	1.06	.01	.11	1	2
90+00E 87+50N	1	26	9	67	.3	116	13	1212	2.51	46	5	ND	1	46	.5	2	2	25	.61	.089	13	26	.32	129	.04	4	1.13	.01	.13	1	9
90+00E 87+25N	1	29	19	48	.3	17	10	1354	2.10	16	5	ND	1	36	.5	2	2	22	.63	.066	15	7	.24	192	.05	3	1.05	.01	.14	1	16
90+00E 87+00N	1	36	10	58	.3	19	10	1414	2.12	11	5	ND	1	44	.6	2	2	26	.76	.089	16	10	.27	204	.05	3	1.07	.01	.12	2	4
90+00E 86+75N	1	33	7	56	.1	12	7	1498	1.36	8	5	ND	1	56	.5	2	2	20	1.02	.109	10	7	.24	180	.04	6	.81	.01	.13	1	2
90+00E 86+50N	1	44	10	56	.1	12	8	2223	2.20	2	5	ND	1	42	.6	2	2	30	.63	.073	21	7	.32	292	.06	2	1.50	.02	.11	1	4
90+00E 86+25N	1	39	8	44	.2	13	6	980	1.89	3	5	ND	1	49	.4	2	2	25	.93	.042	17	9	.37	204	.06	3	1.50	.02	.17	1	2
90+00E 86+00N	1	23	10	170	.1	4	4	576	.91	2	5	ND	1	201	.8	2	2	15	1.02	.231	24	6	.19	175	.05	6	.90	.01	.29	1	2
90+00E 85+75N	1	21	2	46	.1	10	4	653	.95	6	5	ND	1	391	.4	3	2	9	11.60	.160	5	11	.75	156	.02	10	.66	.03	.09	1	1
90+00E 85+50N	1	21	5	57	.2	18	6	869	1.38	4	5	ND	1	56	.4	2	2	19	.67	.078	15	12	.22	215	.06	2	1.44	.02	.11	1	1
STANDARD C/AU-S	18	58	38	129	6.9	68	30	1048	3.77	38	20	6	37	47	18.4	16	18	58	.49	.094	38	54	.88	174	.08	34	1.89	.06	.14	11	53

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
90+00E 85+25N	1	26	8	73	.2	56	12	1176	3.00	2	5	ND	2	48	.2	2	2	38	1.02	.085	26	38	.67	207	.06	3	1.43	.01	.16	2	5
90+00E 85+00N	1	19	9	65	.1	15	7	1207	1.87	2	5	ND	1	49	.4	2	2	23	.91	.084	13	10	.30	246	.05	6	1.24	.02	.14	1	3
90+00E 84+75N	1	15	6	53	.1	14	8	1077	2.17	10	5	ND	1	47	.2	2	3	24	.99	.078	15	8	.29	176	.05	3	1.33	.02	.19	1	8
90+00E 84+50N	1	37	9	107	.2	10	11	1200	3.15	5	5	ND	1	34	.3	2	2	30	.83	.089	13	6	.37	171	.03	2	1.43	.01	.17	1	1
90+00E 84+25N	1	22	11	84	.2	19	10	1072	2.74	6	5	ND	1	47	.3	2	2	31	1.17	.096	17	15	.44	198	.04	6	1.54	.01	.21	1	4
90+00E 84+00N	1	23	7	85	.2	32	12	1003	3.24	10	5	ND	1	31	.3	2	2	36	.70	.098	19	21	.35	202	.03	2	1.32	.01	.19	1	7
90+00E 83+75N	1	19	9	84	.2	18	10	1024	2.65	3	5	ND	1	30	.4	2	2	31	.65	.100	15	11	.32	115	.04	6	1.35	.02	.16	1	6
90+00E 83+50N	1	26	17	66	.3	15	8	1038	2.15	3	5	ND	1	33	.3	2	2	28	.51	.081	19	11	.28	177	.08	3	1.72	.02	.14	2	1
90+00E 83+25N	1	19	15	60	.1	19	8	1031	2.25	5	5	ND	1	32	.2	2	2	33	.54	.083	17	16	.42	206	.07	2	1.50	.02	.14	1	1
90+00E 83+00N	1	26	13	62	.1	25	8	1001	1.93	5	5	ND	1	53	.4	2	3	28	.65	.081	21	18	.34	221	.08	4	1.56	.02	.18	1	1
91+00E 100+00N	1	21	7	61	.2	9	6	478	1.51	4	5	ND	1	178	1.0	2	2	30	.82	.126	40	13	.27	193	.10	4	1.74	.02	.19	1	1
91+00E 99+75N	1	17	13	86	.1	7	4	613	1.04	4	5	ND	1	147	.5	2	2	19	.75	.129	21	6	.16	158	.06	2	1.32	.02	.07	1	2
91+00E 99+50N	1	35	20	79	.1	13	7	539	1.77	8	5	ND	3	126	.7	2	2	32	.67	.115	61	9	.28	151	.09	2	2.19	.02	.21	1	1
91+00E 99+25N	1	30	17	77	.1	14	8	585	1.63	5	5	ND	2	200	.7	2	2	31	.88	.150	71	12	.34	172	.08	3	2.14	.03	.20	1	1
91+00E 99+00N	1	29	30	96	.1	17	9	624	2.28	10	5	ND	8	189	.7	2	2	41	.77	.208	106	16	.46	176	.10	2	2.98	.03	.25	1	3
91+00E 98+75N	1	35	26	103	.2	20	11	812	2.27	7	5	ND	8	240	.9	2	2	41	.81	.201	117	18	.52	159	.09	2	2.86	.05	.23	1	1
91+00E 98+50N	1	33	32	97	.2	16	9	566	1.91	6	5	ND	7	286	.8	2	2	34	1.04	.212	96	15	.45	181	.08	3	2.43	.07	.30	2	1
91+00E 98+25N	1	24	23	70	.1	11	7	468	1.55	2	5	ND	8	199	.7	2	2	30	.72	.126	69	12	.31	163	.10	2	2.04	.03	.20	1	1
91+00E 98+00N	1	28	21	79	.1	17	8	486	2.15	5	5	ND	11	193	.9	2	2	42	.76	.178	84	19	.42	163	.15	2	2.60	.03	.26	3	1
91+00E 97+75N	1	27	21	69	.1	15	6	429	1.94	3	5	ND	7	222	.9	2	2	40	.71	.149	70	17	.36	149	.14	2	2.43	.03	.23	1	1
91+00E 97+50N	1	29	27	77	.2	14	7	484	1.98	5	5	ND	7	211	.8	2	2	39	.86	.165	75	17	.39	155	.12	5	2.17	.03	.26	2	1
91+00E 97+25N	1	32	20	75	.1	17	8	535	2.13	7	5	ND	8	187	1.1	2	2	43	.79	.151	72	18	.45	144	.14	2	2.26	.03	.24	1	1
91+00E 97+00N	1	44	40	96	.2	31	14	747	3.16	5	5	ND	18	306	.9	3	2	64	1.00	.259	122	36	.84	144	.22	2	2.73	.09	.27	1	1
91+00E 96+75N	1	46	33	101	.2	38	14	724	3.28	6	5	ND	18	415	1.0	2	2	62	1.30	.326	132	39	1.01	169	.22	2	2.78	.08	.33	1	1
91+00E 96+50N	1	33	30	87	.2	35	13	630	3.01	7	5	ND	10	170	1.4	2	2	61	.96	.209	90	44	1.12	94	.30	4	2.41	.03	.25	1	1
91+00E 96+25N	1	34	26	86	.1	40	13	443	3.38	2	5	ND	12	254	1.4	2	2	64	.89	.208	98	51	1.23	104	.32	4	2.56	.03	.22	1	1
91+00E 96+00N	1	35	31	85	.2	42	14	527	3.37	3	5	ND	13	179	1.1	2	2	66	1.00	.233	112	45	1.07	82	.33	3	3.20	.05	.18	1	1
91+00E 95+75N	1	37	31	88	.3	46	16	561	3.66	2	5	ND	13	222	1.0	2	2	73	1.34	.330	132	61	1.56	57	.33	6	2.40	.04	.14	1	3
91+00E 95+50N	1	32	21	47	.1	26	10	490	2.06	5	5	ND	6	191	1.3	2	2	48	.93	.168	81	28	.70	44	.22	5	1.51	.04	.09	2	1
91+00E 95+25N	1	57	46	96	.3	48	19	940	3.80	4	6	ND	11	308	1.4	3	2	77	1.51	.335	170	50	1.65	53	.32	5	2.15	.06	.12	1	1
91+00E 95+00N	1	46	23	84	.1	39	15	679	2.97	6	5	ND	17	211	1.3	2	2	57	1.14	.265	122	34	1.16	107	.26	2	2.80	.06	.31	1	1
91+00E 94+75N	1	25	17	76	.1	14	9	524	1.99	4	5	ND	3	163	.9	2	2	40	.84	.148	49	18	.57	137	.13	2	1.90	.03	.20	1	1
91+00E 94+50N	1	19	11	73	.1	11	8	511	1.69	3	5	ND	2	150	.8	2	2	36	.72	.102	38	14	.42	135	.11	2	1.55	.03	.20	1	2
91+00E 94+25N	1	28	32	90	.1	14	9	649	1.84	4	5	ND	14	185	.7	2	2	29	.71	.121	93	13	.37	194	.10	2	2.62	.02	.28	1	1
91+00E 94+00N	1	48	23	95	.2	26	10	657	2.26	5	5	ND	5	235	1.4	2	2	47	1.29	.231	89	28	.64	107	.15	5	1.83	.03	.22	1	2
91+00E 93+75N	1	49	25	99	.3	49	17	826	3.60	5	5	ND	10	241	1.2	2	2	73	1.53	.403	132	62	1.58	83	.24	2	1.95	.03	.17	1	1
STANDARD C/AU-S	17	58	35	129	6.8	67	31	1057	3.83	35	20	7	36	47	18.9	15	17	58	.50	.094	37	56	.89	174	.08	33	1.90	.06	.14	11	45

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
91+00E 93+50N	1	30	28	80	.3	31	11	676	3.08	6	5	ND	8	114	.5	3	2	56	.80	.190	84	42	.80	128	.26	2	2.83	.02	.13	1	1
91+00E 93+25N	1	26	21	82	.2	19	7	550	1.98	4	5	ND	3	105	.2	2	2	37	.66	.145	51	24	.44	134	.19	2	2.07	.02	.10	1	6
91+00E 93+00N	1	20	12	64	.1	11	5	451	1.33	6	5	ND	1	107	.8	2	2	24	.57	.083	39	13	.25	143	.12	2	1.78	.02	.11	1	1
91+00E 92+75N	1	19	15	80	.2	10	5	568	1.35	7	5	ND	2	116	.5	2	2	24	.63	.061	34	12	.22	134	.12	3	1.74	.02	.12	1	1
91+00E 92+50N	1	20	14	70	.1	10	5	526	1.13	7	5	ND	1	90	.3	2	2	21	.49	.074	29	10	.18	122	.10	2	1.46	.02	.10	1	2
91+00E 92+25N	1	29	16	88	.1	13	7	646	1.30	10	5	ND	2	140	.6	2	2	26	.84	.098	43	13	.29	127	.09	3	1.27	.02	.16	1	1
91+00E 92+00N	1	31	19	72	.2	13	7	600	1.56	9	5	ND	4	128	.3	2	2	29	.69	.075	57	14	.31	126	.11	2	1.67	.03	.17	1	1
91+00E 91+75N	1	28	16	68	.1	13	7	615	1.61	8	5	ND	2	151	.4	2	2	28	.83	.091	54	15	.29	165	.12	2	2.02	.02	.19	1	1
91+00E 91+50N	1	24	15	62	.2	10	6	495	1.32	8	5	ND	1	139	.2	2	2	25	.76	.094	42	11	.24	158	.10	2	1.63	.02	.16	1	1
91+00E 91+25N	1	22	16	61	.2	13	6	467	1.70	6	5	ND	2	145	.4	2	4	36	.69	.110	51	18	.26	161	.12	2	1.62	.02	.17	1	2
91+00E 91+00N	1	21	12	68	.1	10	5	461	1.48	4	5	ND	2	154	.4	2	2	31	.66	.097	44	14	.23	169	.11	2	1.56	.02	.16	1	1
91+00E 90+75N	1	18	2	85	.1	13	5	472	1.60	8	5	ND	1	171	.4	2	2	35	.81	.116	41	18	.26	158	.10	3	1.42	.02	.17	1	1
91+00E 90+50N	1	21	13	55	.1	20	6	486	1.52	6	5	ND	1	164	.3	2	2	30	.82	.106	32	16	.31	163	.09	3	1.67	.02	.12	1	2
91+00E 90+25N	1	24	11	54	.2	25	6	423	1.50	5	5	ND	1	165	.6	2	2	29	.80	.101	34	18	.33	161	.10	4	1.54	.02	.13	1	2
91+00E 90+00N	1	25	12	66	.2	28	6	446	1.38	6	5	ND	1	226	.4	3	2	26	.92	.107	31	18	.33	167	.08	4	1.50	.02	.14	1	1
91+00E 89+75N	1	22	2	66	.2	27	5	445	1.48	8	5	ND	1	182	.6	2	2	29	.88	.102	29	20	.30	160	.09	7	1.48	.02	.13	1	3
91+00E 89+50N	1	28	10	65	.2	28	6	507	1.61	6	5	ND	1	126	.6	3	2	31	.67	.105	35	18	.26	154	.10	4	1.64	.02	.14	1	2
91+00E 89+25N	1	19	10	56	.2	22	5	466	1.30	7	5	ND	1	97	.3	2	2	23	.55	.085	26	14	.22	187	.09	2	1.47	.02	.11	1	2
91+00E 89+00N	1	20	9	70	.1	29	6	530	1.35	14	5	ND	1	84	.7	2	2	24	.48	.168	21	19	.27	177	.10	6	1.52	.02	.14	1	3
91+00E 88+75N	1	19	8	57	.1	36	7	526	1.46	4	5	ND	1	109	.2	2	2	27	.70	.096	25	22	.33	175	.09	2	1.62	.02	.12	1	2
91+00E 88+50N	1	20	9	53	.2	34	6	562	1.49	11	5	ND	1	76	.6	2	3	27	.57	.129	22	24	.31	165	.10	3	1.63	.02	.11	1	2
91+00E 88+25N	1	18	7	67	.1	29	7	608	1.52	10	5	ND	1	82	.5	2	2	26	.74	.086	20	20	.28	205	.10	3	1.66	.02	.12	1	3
91+00E 88+00N	1	15	16	54	.1	109	10	590	1.69	19	5	ND	1	73	.4	2	2	26	.59	.067	19	31	.31	182	.12	5	1.78	.02	.12	2	1
91+00E 87+75N	1	21	14	61	.2	31	8	820	1.86	10	5	ND	1	68	.9	2	2	28	.56	.081	21	19	.33	189	.11	3	1.91	.02	.13	1	3
91+00E 87+50N	1	22	9	73	.1	28	7	768	1.70	8	5	ND	1	75	.5	3	2	28	.73	.098	25	19	.33	194	.11	5	1.67	.02	.13	1	2
91+00E 87+25N	1	25	17	54	.1	48	9	825	2.11	7	5	ND	2	50	.2	3	2	35	.61	.077	25	25	.43	169	.13	5	2.06	.02	.16	1	3
91+00E 87+00N	1	28	4	67	.1	35	9	1218	2.41	14	5	ND	1	33	.4	2	2	30	.63	.074	22	18	.41	166	.06	3	1.50	.01	.15	1	1
91+00E 86+75N	1	28	9	56	.1	59	10	832	2.56	12	5	ND	4	45	.2	3	2	42	.43	.078	30	35	.53	193	.14	3	2.04	.02	.20	1	2
91+00E 86+50N	1	44	18	59	.4	31	10	1256	2.76	13	5	ND	1	52	.3	2	2	37	1.03	.082	22	19	.52	240	.06	6	1.64	.01	.19	1	1
91+00E 86+25N	1	32	12	54	.3	42	9	1208	2.33	7	5	ND	1	72	.3	2	2	31	2.49	.086	23	24	.60	205	.08	8	1.60	.01	.23	1	1
91+00E 86+00N	1	39	26	83	.3	25	8	1379	2.37	12	5	ND	1	42	.7	2	2	31	.73	.076	19	15	.53	302	.07	3	1.90	.02	.13	1	1
91+00E 85+75N	1	34	13	64	.2	23	8	1325	2.53	8	5	ND	1	70	.4	2	2	37	1.81	.092	21	17	.51	344	.07	7	1.79	.01	.19	1	1
91+00E 85+50N	1	25	6	46	.1	22	6	585	1.37	5	5	ND	1	126	.2	2	2	26	2.20	.102	22	19	.38	190	.08	4	1.26	.02	.16	1	2
91+00E 85+25N	1	27	7	65	.2	23	6	435	1.51	6	5	ND	1	189	.5	2	2	29	1.18	.088	27	24	.57	160	.09	7	1.20	.02	.14	1	1
91+00E 85+00N	1	35	19	60	.2	82	10	640	2.18	9	5	ND	2	136	.3	2	2	36	.82	.075	35	50	.85	141	.10	7	1.25	.01	.16	1	3
91+00E 84+75N	1	28	13	64	.2	50	9	823	2.28	9	5	ND	2	59	.3	2	4	35	.53	.069	29	34	.50	166	.11	4	1.87	.02	.18	1	2
STANDARD C/AU-S	18	61	41	131	7.9	67	31	1050	4.03	40	18	8	36	47	18.9	15	24	58	.51	.090	37	58	.86	173	.08	37	1.98	.06	.14	11	53

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
91+00E 84+50N	1	22	11	70	.1	36	9	684	2.52	6	5	ND	4	62	.2	2	3	45	.56	.109	37	40	.58	171	.10	7	1.77	.01	.24	1	5
91+00E 84+25N	1	22	11	71	.1	51	11	671	2.66	7	5	ND	5	63	.2	2	2	44	.56	.113	37	43	.61	161	.10	4	1.85	.01	.28	1	2
91+00E 84+00N	1	24	12	85	.2	46	9	800	2.04	7	6	ND	3	77	.4	2	4	32	.69	.115	33	28	.44	171	.07	3	1.39	.02	.21	2	4
91+00E 83+75N	1	17	8	59	.1	31	7	570	1.70	6	5	ND	3	77	.2	2	2	28	.60	.104	28	21	.35	152	.08	2	1.38	.02	.18	1	1
91+00E 83+50N	1	18	10	62	.1	33	7	624	1.81	9	5	ND	3	84	.5	2	2	29	.60	.102	30	22	.38	157	.08	2	1.43	.01	.18	1	1
91+00E 83+25N	1	20	4	65	.2	13	6	439	1.54	5	5	ND	1	184	.2	2	6	31	.75	.126	34	14	.34	152	.10	2	1.69	.02	.14	1	1
91+00E 83+00N	1	19	9	111	.1	11	4	501	1.06	4	8	ND	1	141	.3	2	2	24	.98	.161	10	13	.28	188	.07	10	.71	.02	.15	1	3
92+00E 100+00E	1	21	12	68	.2	10	5	473	1.38	4	5	ND	2	133	.4	2	2	25	.59	.128	34	12	.25	154	.10	4	1.62	.02	.12	1	1
92+00E 99+75E	1	19	15	57	.1	14	6	489	1.76	2	5	ND	2	140	.4	2	5	32	.65	.110	49	16	.32	141	.13	4	2.07	.02	.15	1	1
92+00E 99+50E	1	19	15	59	.2	14	6	464	1.73	5	5	ND	4	121	.3	3	6	33	.58	.111	41	16	.28	161	.13	7	1.97	.02	.15	1	3
92+00E 99+25E	1	18	14	55	.1	13	6	449	1.75	2	5	ND	4	122	.3	2	2	33	.55	.114	44	16	.30	169	.13	2	2.08	.02	.14	1	1
92+00E 99+00E	1	18	17	54	.2	15	7	474	1.92	5	8	ND	7	113	.2	2	6	37	.53	.112	54	19	.39	150	.15	2	2.09	.02	.14	1	1
92+00E 98+75E	1	15	10	53	.1	12	6	485	1.77	4	5	ND	4	106	.3	3	2	34	.50	.114	42	16	.30	166	.13	3	2.04	.02	.13	1	1
92+00E 98+50E	1	15	11	47	.1	12	5	474	1.48	5	5	ND	2	89	.2	2	2	28	.42	.100	28	12	.22	152	.12	3	1.73	.02	.13	1	2
92+00E 98+25E	1	19	12	64	.1	15	6	665	1.90	2	5	ND	6	88	.2	2	5	35	.43	.089	42	17	.29	195	.15	2	2.31	.02	.14	1	1
92+00E 98+00E	1	20	11	58	.1	13	5	618	1.40	6	5	ND	1	126	.2	2	2	25	.69	.121	34	13	.28	171	.12	2	1.78	.02	.13	1	1
92+00E 97+75E	1	18	12	70	.1	20	8	534	2.04	3	5	ND	4	94	.2	2	4	41	.59	.171	59	21	.47	118	.17	2	2.18	.02	.12	1	1
92+00E 97+50E	1	21	8	56	.1	23	6	595	1.54	3	5	ND	2	125	.2	2	3	28	.72	.108	30	19	.48	131	.09	3	1.43	.02	.13	1	1
92+00E 97+25E	1	17	7	61	.1	9	4	440	1.48	4	5	ND	2	235	.2	2	2	29	.87	.140	36	12	.28	178	.09	4	1.71	.02	.18	1	1
92+00E 97+00E	1	22	7	54	.1	12	5	426	1.79	6	5	ND	2	240	.2	2	6	40	.80	.165	54	19	.31	133	.12	5	1.48	.02	.15	1	1
92+00E 96+75E	1	20	10	46	.2	10	5	431	1.46	5	5	ND	2	283	.2	2	8	29	.75	.113	42	13	.27	146	.10	2	1.61	.02	.17	1	1
92+00E 96+50E	1	24	11	62	.2	11	6	436	1.70	2	5	ND	3	224	.4	2	2	35	.79	.154	47	16	.30	148	.11	9	1.64	.02	.15	1	3
92+00E 96+25E	1	18	18	65	.2	11	6	446	1.69	5	5	ND	3	182	.3	3	2	32	.78	.130	46	14	.30	139	.11	4	1.72	.02	.17	1	1
92+00E 96+00E	1	20	14	81	.1	14	8	485	2.54	2	5	ND	8	111	.2	2	5	50	.58	.109	49	23	.59	113	.15	2	1.87	.02	.20	1	1
92+00E 95+75E	1	17	6	124	.1	15	14	756	4.60	2	5	ND	5	142	.4	2	4	130	.93	.241	50	57	1.46	77	.33	2	1.53	.03	.18	1	1
92+00E 95+50E	1	34	8	78	.1	13	16	729	4.52	2	5	ND	7	228	.2	2	4	97	1.06	.204	60	40	1.87	68	.22	2	1.80	.03	.12	1	1
92+00E 95+25E	1	18	12	67	.1	12	11	559	3.12	4	5	ND	8	109	.2	2	4	62	.61	.111	45	28	.95	103	.19	2	1.88	.02	.21	1	1
92+00E 95+00E	1	17	17	63	.1	13	8	605	2.19	2	5	ND	7	81	.2	2	7	38	.37	.052	44	18	.35	119	.15	2	2.21	.02	.20	1	1
92+00E 94+75E	1	11	4	40	.1	5	3	306	.77	4	5	ND	1	117	.2	2	2	18	.54	.050	11	5	.11	42	.06	2	.52	.02	.08	1	1
92+00E 94+50E	1	19	17	48	.1	10	7	383	1.95	3	5	ND	8	189	.2	2	2	31	.70	.112	52	12	.42	65	.10	2	1.61	.06	.15	1	1
92+00E 94+25E	1	51	31	90	.1	21	15	828	3.60	2	5	ND	18	457	.2	2	11	58	1.51	.317	145	23	1.03	123	.19	9	3.10	.12	.33	1	1
92+00E 94+00E	1	31	17	82	.1	17	9	666	2.27	5	5	ND	6	330	.3	2	2	41	1.18	.181	69	18	.56	131	.13	4	1.92	.05	.20	1	1
92+00E 93+75E	2	17	11	34	.4	7	4	296	1.06	3	5	ND	5	263	.2	3	7	24	.77	.118	33	6	.20	35	.07	2	.69	.04	.10	1	1
92+00E 93+50E	1	11	2	22	.2	4	2	136	.64	5	5	ND	3	159	.2	2	2	17	.46	.057	9	3	.10	15	.05	2	.35	.03	.06	1	1
92+00E 93+00E	1	36	15	63	.1	11	6	403	1.61	6	5	ND	5	354	.2	2	2	31	1.16	.187	66	10	.46	47	.08	5	1.19	.07	.11	1	1
92+00E 92+75N	1	14	8	57	.3	6	3	239	.88	4	5	ND	5	128	.2	3	5	15	.32	.108	16	5	.15	71	.06	2	.89	.03	.11	1	2
STANDARD C/AU-S	18	58	36	132	6.6	68	30	1048	3.97	37	23	7	40	48	17.9	15	22	58	.50	.094	39	57	.92	175	.08	40	1.95	.06	.13	11	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
92+00E 92+50N	1	10	8	34	.1	8	4	315	1.14	3	5	ND	2	96	.2	2	2	19	.34	.042	20	7	.18	99	.09	2	1.60	.03	.11	2	5
92+00E 92+25N	1	11	9	45	.1	9	5	474	1.29	5	6	ND	1	93	.2	2	2	22	.39	.043	22	9	.21	119	.10	3	1.69	.03	.12	1	1
92+00E 92+00N	1	16	8	54	.2	12	5	540	1.23	5	5	ND	4	127	.5	5	7	21	.50	.081	25	12	.21	153	.10	4	1.63	.03	.13	1	2
92+00E 91+75N	1	20	10	59	.3	9	5	507	1.27	8	5	ND	5	108	.2	5	2	22	.48	.105	31	9	.21	139	.09	4	1.51	.02	.11	1	1
92+00E 91+50N	1	13	17	65	.1	9	6	608	1.64	2	6	ND	5	84	.4	6	2	29	.40	.045	42	11	.25	153	.14	2	2.49	.03	.14	1	1
92+00E 91+25N	1	18	10	71	.1	9	6	534	1.66	2	5	ND	2	108	.5	2	2	33	.56	.103	26	14	.40	159	.11	2	1.85	.02	.16	1	2
92+00E 91+00N	1	16	13	54	.1	10	5	464	1.29	4	5	ND	1	104	.4	2	2	23	.48	.110	30	9	.21	140	.08	2	1.49	.02	.12	1	1
92+00E 90+75N	1	18	13	82	.6	9	4	430	.96	4	6	ND	2	101	.5	4	9	18	.54	.102	19	7	.16	137	.06	4	1.09	.02	.09	1	1
92+00E 90+50N	1	18	9	63	.1	16	5	432	1.31	4	5	ND	1	122	.5	3	4	24	.63	.154	24	13	.24	149	.07	9	1.35	.02	.15	1	1
92+00E 90+25N	1	20	8	45	.2	27	6	433	1.47	7	5	ND	3	124	.2	3	2	27	.58	.128	34	17	.30	134	.08	2	1.45	.02	.14	1	2
92+00E 90+00N	1	20	13	61	.1	26	6	446	1.39	5	5	ND	1	144	.2	2	2	25	.76	.137	29	16	.32	161	.07	2	1.38	.02	.16	1	4
92+00E 89+75N	1	20	12	59	.1	33	6	448	1.48	10	5	ND	1	131	.4	2	2	26	.77	.104	31	17	.37	178	.08	2	1.61	.02	.15	1	1
92+00E 89+50N	1	15	11	49	.1	24	6	518	1.62	5	5	ND	3	103	.2	5	3	27	.58	.090	28	15	.29	191	.08	2	1.71	.02	.14	1	1
92+00E 89+25N	1	17	10	59	.1	33	7	654	1.59	3	5	ND	1	57	.2	3	2	25	.44	.100	17	12	.24	190	.10	2	1.87	.02	.08	1	3
92+00E 89+00N	1	20	10	58	.1	19	7	1106	2.16	4	5	ND	1	36	.2	2	2	28	.51	.084	12	8	.28	176	.07	2	1.57	.02	.09	1	1
92+00E 88+75N	1	39	11	68	.1	40	9	1119	2.22	7	5	ND	1	46	.8	3	4	39	.65	.093	23	19	.32	164	.09	6	1.74	.02	.17	1	1
92+00E 88+50N	1	29	48	116	.2	28	10	1003	2.71	12	5	ND	2	43	.8	4	3	31	.58	.076	24	15	.39	236	.08	4	2.06	.02	.19	1	2
92+00E 88+25N	1	21	11	75	.1	42	7	527	1.74	9	5	ND	1	79	.2	3	3	30	.59	.122	26	22	.34	166	.08	2	1.41	.02	.16	1	1
92+00E 88+00N	1	23	25	86	.1	577	30	2289	3.63	24	5	ND	1	121	.2	2	2	28	1.57	.108	16	81	1.33	168	.05	6	1.51	.02	.13	1	2
92+00E 87+75N	1	23	27	122	.1	176	14	1047	2.15	10	5	ND	1	61	.7	4	2	26	.79	.103	13	34	.50	198	.05	10	1.41	.02	.20	1	7
92+00E 87+50N	1	29	18	96	.1	144	13	962	2.47	22	5	ND	1	43	.5	2	2	30	.52	.073	16	40	.48	155	.07	4	1.51	.01	.17	1	2
92+00E 87+25N	1	30	11	59	.1	73	9	772	2.23	10	5	ND	1	49	.2	2	2	30	.46	.075	20	26	.52	174	.08	6	1.69	.01	.20	1	5
92+00E 87+00N	1	33	12	65	.6	54	10	1069	1.86	7	5	ND	3	71	.5	4	2	24	.68	.093	17	26	.51	187	.07	7	1.56	.02	.20	1	1
92+00E 86+75N	1	43	18	76	.3	30	7	1141	1.52	6	6	ND	1	78	1.0	2	2	22	.83	.110	17	11	.28	234	.07	8	1.35	.02	.14	1	1
92+00E 86+50N	1	25	12	62	.2	50	8	645	1.79	6	5	ND	2	80	.3	2	4	31	.66	.096	30	24	.43	164	.09	2	1.31	.02	.15	1	3
92+00E 86+25N	1	21	11	59	.2	49	7	537	1.88	7	5	ND	3	87	.3	3	2	34	.59	.103	33	28	.45	165	.10	5	1.43	.02	.15	1	2
92+00E 86+00N	1	30	18	71	.5	56	9	611	2.16	11	7	ND	5	88	.3	4	3	38	.59	.111	37	35	.52	169	.10	2	1.53	.02	.18	1	1
92+00E 85+75N	1	28	10	73	.4	29	7	429	1.65	7	5	ND	3	187	.3	3	2	29	.75	.101	30	21	.51	152	.08	8	1.41	.02	.18	1	2
92+00E 85+50N	1	22	10	57	.1	26	5	381	1.57	7	5	ND	1	271	.6	2	2	29	1.28	.102	29	22	.82	134	.08	7	1.23	.03	.13	1	1
92+00E 85+25N	1	21	5	53	.3	9	2	244	.83	2	5	ND	1	1228	.5	2	2	16	7.33	.108	15	10	2.25	194	.05	17	.99	.02	.11	1	2
92+00E 85+00N	1	24	9	62	.3	22	5	398	1.44	4	5	ND	3	267	.5	3	2	25	1.09	.089	25	18	.72	160	.08	4	1.36	.02	.17	1	1
92+00E 84+75N	1	20	13	55	.1	32	6	522	1.64	4	5	ND	1	89	.2	2	2	28	.63	.093	25	24	.36	192	.09	2	1.62	.02	.15	1	1
92+00E 84+50N	1	19	10	58	.1	39	8	550	1.92	8	5	ND	4	83	.4	2	2	32	.56	.098	33	27	.43	156	.10	2	1.65	.02	.19	1	1
92+00E 84+25N	1	22	14	68	.1	47	9	553	2.28	10	5	ND	5	85	.4	2	3	40	.51	.104	42	34	.51	146	.11	2	1.65	.02	.23	1	1
92+00E 84+00N	1	18	15	63	.1	58	9	575	2.32	7	5	ND	6	81	.4	2	2	40	.53	.112	42	38	.62	139	.11	2	1.60	.02	.21	1	2
92+00E 83+75N	1	20	13	62	.1	36	8	703	2.10	5	5	ND	4	58	.6	2	2	35	.47	.089	30	25	.38	236	.12	2	1.99	.02	.18	1	1
STANDARD C/AU-S	18	58	37	132	6.9	67	30	1048	3.93	40	16	6	37	49	17.6	14	22	58	.50	.095	38	52	.91	171	.08	40	1.94	.06	.13	11	54

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
92+00E 83+50N	1	19	18	61	.1	39	8	801	1.98	6	5	ND	3	67	.4	2	2	32	.62	.111	29	23	.42	247	.10	5	1.81	.01	.22	1	7
92+00E 83+25N	1	23	15	65	.1	41	8	1064	2.23	9	5	ND	5	46	.4	2	2	34	.50	.077	28	23	.39	236	.12	7	2.02	.02	.19	1	2
92+00E 83+00N	1	24	17	69	.1	37	8	893	1.85	8	5	ND	4	61	.5	2	4	28	.56	.096	26	20	.35	211	.09	5	1.60	.01	.19	1	1
93+00E 100+00N	1	18	18	79	.1	16	6	723	1.67	5	5	ND	2	111	.5	2	2	32	.65	.250	40	18	.31	160	.12	2	1.67	.02	.13	1	1
93+00E 99+75N	1	13	11	49	.1	9	5	414	1.29	8	5	ND	4	129	.2	2	2	23	.50	.076	30	10	.25	145	.09	4	1.63	.02	.11	1	2
93+00E 99+50N	1	10	12	42	.1	6	4	438	1.08	6	5	ND	4	97	.4	2	4	20	.44	.113	23	7	.18	110	.09	3	1.33	.02	.10	1	3
93+00E 99+25N	1	28	21	69	.1	16	9	523	2.77	7	5	ND	17	219	.4	2	6	61	.87	.242	116	25	.64	165	.17	2	1.94	.05	.28	1	3
93+00E 99+00N	1	16	14	52	.1	8	5	466	1.43	7	5	ND	3	137	.3	2	5	27	.54	.152	34	11	.24	129	.10	2	1.53	.01	.13	1	1
93+00E 98+75N	1	18	16	48	.1	9	5	476	1.54	6	5	ND	6	163	.5	2	5	29	.55	.120	41	12	.27	160	.11	2	1.57	.02	.16	2	1
93+00E 98+50N	1	16	13	51	.3	10	5	528	1.60	7	5	ND	4	136	.5	3	2	30	.55	.118	35	12	.27	144	.12	2	1.79	.02	.15	1	1
93+00E 98+25N	1	17	18	53	.1	11	6	547	1.73	2	5	ND	3	137	.6	2	3	35	.67	.110	40	13	.28	145	.13	4	1.92	.02	.16	1	2
93+00E 98+00N	1	17	13	47	.3	11	6	497	1.70	8	5	ND	6	137	.2	2	2	35	.60	.120	44	13	.26	154	.12	4	1.88	.02	.14	1	5
93+00E 97+75N	1	17	11	53	.1	9	5	460	1.40	5	5	ND	2	148	.4	2	2	27	.68	.168	31	11	.24	153	.09	2	1.47	.02	.21	1	1
93+00E 97+50N	1	17	14	49	.1	9	5	465	1.55	7	5	ND	2	168	.4	2	2	32	.63	.127	34	12	.24	151	.10	2	1.53	.02	.16	1	1
93+00E 97+25N	1	18	10	59	.3	7	4	518	1.46	4	5	ND	4	127	.2	2	2	30	.44	.124	30	12	.22	102	.10	2	1.45	.02	.09	1	1
93+00E 97+00N	1	10	9	54	.1	8	5	671	1.48	9	5	ND	5	76	.4	4	2	27	.39	.084	24	10	.22	157	.12	4	1.88	.02	.12	1	1
93+00E 96+75N	1	14	20	60	.1	7	6	1351	1.74	6	5	ND	2	92	.3	2	2	35	.51	.150	34	10	.27	150	.10	2	2.16	.02	.09	1	2
93+00E 96+50N	1	12	7	39	.2	9	5	356	1.57	5	5	ND	8	98	.2	3	2	32	.37	.088	33	13	.23	103	.12	2	1.48	.02	.12	1	1
93+00E 96+25N	1	13	31	44	.2	6	5	1416	1.43	9	5	ND	3	100	.2	2	2	34	.72	.078	30	9	.28	112	.10	3	1.09	.03	.08	1	1
93+00E 96+00N	1	27	26	79	.1	12	8	1119	1.90	6	5	ND	4	110	.5	2	2	37	.64	.123	43	12	.37	123	.08	4	1.65	.02	.21	1	1
93+00E 95+75N	1	26	17	68	.1	12	10	1069	2.10	6	5	ND	5	140	.6	2	2	42	.70	.130	44	18	.53	123	.15	3	1.83	.02	.19	1	1
93+00E 95+50N	3	33	28	95	.1	21	16	1032	3.24	14	5	ND	12	252	.5	2	2	63	1.06	.271	97	22	.94	129	.18	3	2.38	.02	.32	1	2
93+00E 95+25N	1	26	22	63	.5	11	9	868	2.13	8	5	ND	8	225	.6	4	2	41	.94	.167	59	14	.54	92	.15	4	1.63	.03	.20	1	3
93+00E 95+00N	2	11	13	31	.1	4	5	998	1.10	10	5	ND	2	137	.3	2	2	25	.67	.084	26	5	.21	69	.08	3	.76	.03	.09	1	1
93+00E 92+50N	1	14	14	66	.1	11	7	475	1.67	9	5	ND	11	267	.2	3	2	26	.69	.133	67	10	.41	99	.11	4	1.87	.04	.27	1	1
93+00E 92+25N	1	20	24	45	.1	7	5	460	1.39	5	5	ND	7	353	.2	3	7	27	1.14	.171	63	9	.34	69	.08	3	1.19	.06	.06	6	1
93+00E 92+00N	1	19	18	60	.1	9	6	497	1.67	7	5	ND	8	227	.4	2	2	26	.59	.113	72	9	.40	104	.10	2	1.81	.03	.23	1	1
93+00E 91+75N	1	16	11	59	.3	12	8	561	2.09	4	5	ND	5	126	.2	3	2	41	.51	.124	27	17	.57	126	.10	2	1.82	.02	.12	1	1
93+00E 91+50N	1	8	9	78	.1	9	3	409	1.13	3	5	ND	3	100	.3	2	2	18	.39	.152	12	8	.19	180	.08	2	1.33	.02	.10	1	1
93+00E 91+25N	1	20	14	87	.2	9	6	1073	1.58	6	5	ND	4	178	.5	2	2	29	.77	.145	23	12	.28	241	.08	2	1.57	.02	.15	1	1
93+00E 91+00N	1	13	12	67	.1	19	6	454	1.79	2	5	ND	4	75	.2	2	2	32	.37	.089	33	15	.26	165	.12	2	2.02	.02	.12	1	1
93+00E 90+75N	1	21	10	66	.2	15	5	478	1.37	6	5	ND	2	102	.3	3	2	26	.54	.116	27	16	.22	143	.08	2	1.39	.02	.12	1	1
93+00E 90+50N	1	20	11	68	.1	30	7	527	1.55	16	5	ND	2	113	.5	2	3	29	.66	.116	29	18	.28	206	.09	2	1.61	.02	.15	1	5
93+00E 90+25N	1	17	15	91	.5	18	8	730	2.10	10	7	ND	6	59	.2	6	2	36	.59	.106	24	25	.36	242	.09	2	1.85	.02	.19	1	2
93+00E 90+00N	1	24	269	375	1.1	84	10	679	1.79	27	5	ND	3	95	2.9	4	2	26	.69	.116	25	34	.41	175	.07	2	1.57	.02	.16	1	11
93+00E 89+75N	1	13	13	62	.2	17	4	466	1.32	8	5	ND	2	99	.2	3	2	22	.70	.109	21	12	.24	173	.07	3	1.52	.02	.15	1	1
STANDARD C/AU-S	18	56	40	132	6.6	68	31	1051	3.93	42	16	7	36	49	18.2	15	17	59	.50	.095	39	55	.91	175	.08	32	1.94	.06	.14	11	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
93+00E 89+50N	1	21	13	65	.1	17	6	549	1.67	4	5	ND	2	71	.2	2	2	26	.59	.084	24	15	.26	195	.10	8	1.78	.02	.16	1	3
93+00E 89+25N	1	17	10	66	.3	18	6	502	1.53	5	5	ND	3	85	.4	2	2	24	.64	.088	24	13	.29	197	.09	7	1.88	.02	.17	1	1
93+00E 89+00N	1	18	16	66	.1	29	7	552	1.87	7	5	ND	2	89	.4	2	2	30	.66	.099	31	20	.37	195	.09	6	1.80	.02	.19	2	2
93+00E 88+75N	1	26	16	81	.1	46	10	732	2.57	10	5	ND	4	96	.2	2	4	42	.83	.123	37	38	.58	224	.09	6	2.08	.02	.33	1	2
93+00E 88+50N	1	23	16	72	.4	45	8	571	2.11	11	5	ND	6	134	.2	2	3	38	.68	.113	40	27	.43	192	.10	2	1.66	.02	.22	2	3
93+00E 88+25N	1	24	9	69	.3	41	7	574	2.00	8	5	ND	5	140	.2	2	2	35	.60	.105	36	24	.37	180	.10	4	1.65	.02	.19	1	2
93+00E 88+00N	1	19	10	61	.1	27	6	480	1.46	7	5	ND	1	174	.2	2	2	25	.65	.092	25	16	.34	172	.08	5	1.49	.02	.16	1	3
93+00E 87+75N	1	16	9	59	.1	32	6	455	1.35	6	5	ND	2	169	.2	2	2	22	.61	.081	25	18	.32	167	.07	10	1.39	.02	.17	1	2
93+00E 87+50N	1	25	8	70	.3	57	9	615	2.01	9	5	ND	3	115	.3	3	2	35	.65	.095	26	34	.50	196	.10	10	1.82	.02	.16	1	1
93+00E 87+25N	1	26	16	75	.1	111	12	776	2.43	14	5	ND	2	70	.4	2	2	38	.64	.098	32	51	.66	200	.10	5	1.89	.02	.21	1	2
93+00E 87+00N	1	25	12	67	.1	85	11	810	2.21	7	5	ND	4	65	.2	2	2	33	.57	.092	29	43	.54	199	.10	5	1.87	.02	.17	1	1
93+00E 86+75N	1	21	6	64	.2	48	8	632	1.70	5	5	ND	3	97	.2	3	2	27	.72	.101	24	26	.37	215	.08	8	1.65	.02	.15	1	1
93+00E 86+50N	1	25	14	77	.2	34	7	769	1.77	6	5	ND	4	64	.4	3	2	27	.55	.082	22	19	.30	197	.10	4	1.92	.02	.12	1	1
93+00E 86+25N	1	18	8	58	.1	51	8	536	2.01	9	5	ND	3	73	.2	2	2	36	.59	.105	34	31	.46	148	.09	4	1.34	.02	.14	1	6
93+00E 86+00N	1	22	5	63	.1	43	7	548	1.89	7	5	ND	2	77	.2	2	2	33	.60	.105	30	28	.43	178	.10	4	1.69	.02	.14	1	1
93+00E 85+75N	1	19	12	70	.1	31	7	667	2.04	3	5	ND	4	74	.3	2	2	33	.55	.103	28	22	.35	220	.13	4	2.40	.02	.16	1	1
93+00E 85+50N	1	18	7	63	.1	21	5	590	1.53	3	5	ND	1	68	.2	2	2	24	.58	.089	18	14	.27	210	.08	4	1.79	.02	.13	1	1
93+00E 85+25N	1	20	12	61	.1	21	7	908	2.16	5	5	ND	3	41	.2	2	5	36	.46	.079	23	19	.30	204	.12	7	2.25	.02	.15	1	2
93+00E 85+00N	1	24	6	82	.1	15	9	1267	2.51	3	5	ND	2	36	.2	2	2	29	.68	.096	16	14	.27	203	.08	6	1.86	.02	.16	1	6
93+00E 84+75N	1	34	16	75	.1	42	8	970	2.14	5	5	ND	6	51	.3	2	2	33	.57	.093	23	24	.33	290	.11	7	2.13	.02	.16	1	1
93+00E 84+50N	1	20	8	65	.1	29	6	617	1.79	6	5	ND	3	59	.2	3	2	28	.50	.086	23	22	.30	213	.10	2	1.78	.02	.16	1	3
93+00E 84+25N	1	24	10	66	.1	35	7	599	1.78	5	5	ND	4	64	.3	2	2	29	.54	.088	25	23	.33	211	.10	6	1.74	.02	.16	1	2
93+00E 84+00N	1	20	10	63	.1	47	8	608	1.79	6	5	ND	4	68	.5	2	2	28	.55	.089	27	25	.38	200	.10	9	1.81	.02	.16	2	3
93+00E 83+75N	1	24	10	68	.3	71	10	667	2.13	8	5	ND	6	60	.2	2	2	35	.58	.092	33	39	.50	158	.09	8	1.65	.02	.14	1	2
93+00E 83+50N	1	23	8	64	.1	64	9	659	2.19	9	5	ND	4	61	.3	2	2	36	.55	.095	34	38	.48	181	.11	7	1.85	.02	.18	1	1
93+00E 83+25N	1	23	11	71	.2	61	9	597	2.15	10	5	ND	6	71	.5	2	2	37	.55	.113	39	34	.54	147	.10	2	1.48	.02	.18	1	3
93+00E 83+00N	1	26	11	71	.3	40	9	888	2.40	6	5	ND	6	65	.3	2	4	37	.61	.100	28	37	.39	281	.11	3	2.40	.02	.20	2	2
94+00E 89+00N	1	24	16	72	.1	44	10	723	2.88	6	5	ND	5	69	.4	2	2	55	.56	.124	44	49	.69	186	.11	2	1.96	.02	.17	1	1
94+00E 88+75N	1	26	66	141	5.7	50	10	946	2.53	57	5	ND	5	65	.5	3	2	34	.46	.090	34	30	.41	157	.10	2	1.91	.02	.21	1	12
94+00E 88+50N	1	24	27	67	.7	243	27	1862	3.15	52	5	ND	3	45	.3	2	2	33	.40	.097	11	176	1.53	161	.05	4	1.86	.02	.09	1	1
94+00E 88+25N	1	16	17	82	.2	717	51	954	3.61	140	5	ND	2	67	.2	2	2	30	.83	.081	8	513	4.06	177	.05	9	1.54	.02	.13	1	29
94+00E 88+00N	1	18	33	79	.4	224	23	904	2.68	43	5	ND	4	55	.3	2	2	31	.53	.095	18	158	1.50	263	.08	6	1.65	.02	.17	1	18
94+00E 87+75N	1	25	15	70	.2	89	11	671	1.80	15	5	ND	3	72	.5	2	2	26	.62	.101	21	55	.52	248	.09	8	1.65	.02	.16	1	5
94+00E 87+50N	1	17	12	63	.1	37	6	468	1.47	6	5	ND	2	91	.4	2	2	25	.67	.104	22	22	.31	198	.07	6	1.56	.02	.15	1	5
94+00E 87+25N	1	19	12	60	.1	67	9	559	2.25	6	5	ND	5	84	.5	2	3	40	.59	.098	38	36	.46	169	.11	3	1.85	.02	.18	1	2
94+00E 87+00N	1	20	12	62	.1	43	7	479	1.73	5	5	ND	3	109	.3	2	2	29	.60	.088	29	27	.48	181	.09	4	1.70	.02	.18	1	4
STANDARD C/AU-S	19	57	35	132	7.0	68	30	1047	3.99	39	16	7	39	48	17.5	15	16	58	.51	.094	38	52	.93	175	.08	37	2.01	.06	.13	12	52

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
94+00E 86+75N	1	12	9	61	.1	55	7	538	1.68	6	5	ND	2	112	.5	2	4	27	.64	.099	27	28	.47	185	.09	2	1.65	.02	.21	2	4
94+00E 86+50N	1	14	11	75	.1	59	8	641	1.79	7	5	ND	2	103	.7	2	3	28	.78	.110	26	33	.46	210	.08	7	1.71	.02	.19	2	1
94+00E 86+25N	1	22	11	64	.3	86	12	747	2.33	6	5	ND	5	69	.3	2	4	37	.60	.096	31	49	.62	198	.10	4	1.93	.02	.19	1	2
94+00E 86+00N	1	19	16	63	.1	65	10	755	2.14	7	5	ND	4	88	.4	2	4	34	.68	.101	30	33	.48	227	.10	2	1.85	.02	.19	3	1
94+00E 85+75N	1	14	12	57	.1	43	7	581	1.66	7	5	ND	3	86	.3	2	4	27	.57	.083	23	22	.33	190	.09	2	1.64	.02	.18	1	1
94+00E 85+50N	1	19	10	62	.2	32	5	371	1.56	9	5	ND	2	138	.4	2	2	28	.79	.104	24	21	.64	190	.09	6	1.78	.03	.13	1	1
94+00E 85+25N	1	9	13	50	.1	28	5	484	1.30	6	5	ND	1	73	.3	2	7	21	.55	.080	16	16	.27	190	.07	2	1.40	.02	.11	1	1
94+00E 85+00N	1	15	9	59	.1	42	7	723	1.87	7	5	ND	4	80	.2	2	5	29	.65	.090	22	23	.40	226	.08	2	1.83	.02	.16	2	2
94+00E 84+75N	1	18	13	60	.3	49	9	760	2.05	10	6	2	4	72	.2	3	3	32	.61	.099	26	28	.45	206	.09	5	1.83	.02	.18	1	1
94+00E 84+50N	1	19	10	65	.1	34	7	711	1.90	6	5	ND	1	77	.2	2	5	31	.63	.102	23	25	.39	219	.09	3	1.73	.02	.18	1	2
94+00E 84+25N	1	20	14	67	.1	34	7	686	1.92	3	5	ND	3	79	.3	2	3	31	.64	.093	26	25	.39	230	.10	4	1.93	.02	.19	1	3
94+00E 84+00N	1	15	13	70	.1	44	8	592	1.84	4	5	ND	2	86	.5	2	2	30	.61	.109	28	31	.42	211	.10	6	1.82	.02	.22	1	1
94+00E 83+75N	1	21	12	72	.1	88	11	770	2.45	9	5	ND	5	69	.2	2	3	37	.61	.103	36	47	.66	209	.11	4	2.03	.02	.25	1	1
94+00E 83+50N	1	20	10	70	.5	28	7	671	1.90	9	5	ND	5	77	.2	4	2	30	.65	.082	21	18	.38	240	.10	3	2.17	.02	.23	1	1
94+00E 83+25N	1	22	13	73	.4	15	7	753	1.79	8	7	ND	3	75	.3	3	4	24	.75	.086	16	15	.27	251	.08	2	1.92	.02	.20	1	3
94+00E 83+00N	1	20	27	75	.9	137	14	1367	2.29	42	5	ND	4	80	.5	6	4	25	.65	.077	18	39	.47	184	.07	5	1.49	.02	.14	2	5
95+00E 89+00N	1	24	11	68	.2	41	7	685	1.74	7	5	ND	2	101	.2	2	3	27	.78	.117	24	21	.37	210	.08	5	1.63	.02	.19	1	1
95+00E 88+75N	1	19	16	69	.1	153	12	964	1.95	31	5	ND	1	79	.2	2	2	25	.65	.098	19	50	.52	186	.08	3	1.55	.02	.14	2	33
95+00E 88+50N	1	19	27	85	1.9	122	16	1176	2.59	29	5	ND	2	57	.2	2	2	30	.43	.085	22	70	1.02	192	.08	2	1.60	.02	.15	1	15
95+00E 88+25N	1	21	15	71	.7	81	10	748	1.92	20	5	ND	2	82	.4	2	2	27	.63	.110	23	43	.55	178	.07	2	1.60	.02	.13	1	9
95+00E 88+00N	1	14	15	59	.1	94	12	649	2.24	10	5	ND	3	68	.2	2	2	37	.51	.079	28	55	.45	172	.11	2	1.89	.02	.15	1	1
95+00E 87+75N	1	14	4	49	.1	164	14	583	2.38	9	5	ND	4	58	.2	2	2	38	.40	.088	23	85	.56	145	.12	3	1.66	.02	.13	1	1
95+00E 87+50N	1	20	9	52	.2	285	26	811	3.14	7	5	ND	6	49	.2	2	2	38	.34	.077	29	181	1.50	203	.11	4	2.13	.02	.20	1	1
95+00E 87+25N	1	16	11	56	.2	80	10	569	2.00	3	5	ND	4	80	.4	2	2	33	.53	.097	28	42	.45	223	.11	2	1.86	.02	.19	1	3
95+00E 87+00N	1	17	29	77	.2	43	9	754	2.22	5	5	ND	4	50	.4	3	5	36	.42	.081	26	25	.32	197	.13	3	2.31	.02	.17	1	1
95+00E 86+75N	1	20	14	60	.3	46	8	531	2.01	8	5	ND	4	85	.6	4	2	35	.59	.104	32	25	.38	215	.12	3	2.21	.02	.17	1	1
95+00E 86+50N	1	14	13	61	.2	69	9	529	2.13	8	5	ND	6	84	.3	2	2	37	.57	.126	39	36	.48	172	.11	2	1.76	.02	.22	1	3
95+00E 86+25N	1	22	11	64	.1	65	8	561	1.95	7	5	ND	2	84	.2	2	4	33	.59	.107	31	30	.41	200	.11	6	1.90	.02	.20	1	2
95+00E 86+00N	1	21	9	73	.1	63	8	640	1.96	7	5	ND	1	81	.4	2	3	32	.62	.105	29	30	.43	189	.10	2	1.68	.02	.18	1	1
95+00E 85+75N	1	24	14	69	.1	40	8	958	2.00	6	5	ND	1	66	.4	2	2	29	.66	.092	24	23	.34	239	.10	5	2.20	.02	.14	1	3
95+00E 85+50N	1	30	9	72	.1	37	9	1077	2.24	8	5	ND	2	44	.5	3	2	32	.62	.081	23	24	.36	215	.10	4	1.99	.02	.19	1	1
95+00E 85+25N	1	38	7	76	.4	53	11	1115	2.59	7	5	ND	5	57	.4	2	2	34	.62	.103	26	25	.46	256	.09	2	1.74	.02	.22	1	3
95+00E 85+00N	1	40	10	75	.4	66	12	1034	2.64	6	5	ND	4	49	.2	2	2	37	.76	.096	25	31	.47	244	.09	2	1.73	.02	.19	1	1
95+00E 84+75N	1	22	6	69	.1	25	7	751	1.78	6	5	ND	1	56	.3	2	7	27	.55	.075	16	16	.24	219	.09	2	1.60	.02	.15	1	1
95+00E 84+50N	1	19	3	64	.1	47	8	724	1.76	6	5	ND	1	82	.2	2	2	26	.72	.097	23	23	.41	224	.08	2	1.70	.02	.18	1	1
95+00E 84+25N	1	27	12	69	.2	52	9	811	2.19	8	5	ND	2	62	.2	2	2	31	.57	.101	26	28	.47	218	.08	3	1.76	.02	.23	1	2
STANDARD C/AU-S	18	57	38	132	6.5	68	31	1047	3.94	42	5	6	36	49	17.7	15	20	58	.51	.094	39	56	.92	175	.08	39	1.94	.06	.13	8	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
95+00E 84+00N	1	21	15	61	.2	11	6	741	1.54	4	5	ND	3	62	.4	2	5	23	.61	.076	16	11	.28	194	.08	4	1.63	.02	.18	1	1
95+00E 83+75N	1	18	10	66	.1	8	6	1110	1.65	7	5	ND	1	48	.5	2	6	24	.73	.109	12	8	.24	151	.06	5	1.29	.02	.12	2	1
95+00E 83+50N	1	17	14	65	.1	7	6	989	1.73	6	5	ND	2	48	.4	2	2	25	.59	.076	12	6	.24	196	.08	4	1.66	.02	.13	1	1
95+00E 83+25N	1	38	16	86	.1	22	18	1741	3.26	8	5	ND	2	33	.7	2	2	45	.63	.090	12	13	.20	211	.04	2	1.19	.01	.10	1	1
95+00E 83+00N	1	29	9	58	.1	7	7	864	1.65	4	5	ND	3	61	.3	3	2	22	.64	.063	11	6	.26	239	.07	2	1.58	.02	.22	1	1
96+00E 89+00N	1	20	17	58	.1	65	9	502	1.59	7	5	ND	3	105	.5	2	2	26	.63	.095	25	44	.55	171	.08	8	1.55	.02	.12	1	1
96+00E 88+75N	1	18	19	59	.1	80	9	570	1.78	10	5	ND	1	117	.5	2	2	30	.76	.117	30	50	.52	176	.08	7	1.57	.02	.14	1	1
96+00E 88+50N	1	20	17	58	.3	35	6	479	1.53	8	5	ND	1	121	.5	3	2	29	.66	.104	24	31	.38	147	.07	3	1.44	.02	.09	1	1
96+00E 88+25N	1	14	11	56	.1	37	7	484	1.57	4	5	ND	1	95	.2	2	2	28	.59	.090	22	35	.37	173	.08	4	1.48	.02	.11	1	4
96+00E 88+00N	1	12	15	45	.1	46	8	466	1.69	6	5	ND	3	97	.2	2	2	30	.49	.063	28	37	.44	158	.09	3	1.44	.02	.10	1	1
96+00E 87+75N	1	18	9	34	.1	70	12	573	1.54	7	5	ND	1	59	.3	2	3	19	.47	.069	14	43	.39	140	.07	2	1.27	.02	.07	1	2
96+00E 87+50N	1	16	10	42	.2	146	16	544	2.02	8	5	ND	5	42	.5	2	2	25	.31	.054	17	59	.47	132	.09	2	1.45	.02	.10	1	1
96+00E 87+25N	1	16	15	52	.3	580	35	722	2.57	17	6	ND	3	59	.2	2	4	21	.52	.086	10	84	1.10	143	.06	2	1.03	.01	.10	1	2
96+00E 87+00N	1	19	11	66	.1	238	15	529	1.92	9	5	ND	3	42	.5	2	8	28	.34	.106	21	58	.54	126	.07	7	1.14	.02	.14	1	1
96+00E 86+75N	1	26	15	53	.2	111	12	572	2.14	6	5	ND	7	54	.3	2	2	33	.41	.074	27	41	.44	265	.11	5	1.98	.02	.17	1	1
96+00E 86+50N	1	32	35	86	.4	634	36	884	3.06	24	5	ND	4	56	1.6	2	2	27	.47	.130	8	194	1.68	146	.07	7	1.10	.01	.08	1	1
96+00E 86+25N	1	22	14	54	.3	342	21	681	2.17	11	5	ND	5	72	.3	2	3	25	.46	.088	19	53	.69	150	.07	7	1.43	.02	.17	1	1
96+00E 86+00N	1	20	15	58	.1	74	10	546	2.12	5	5	ND	5	67	.2	2	2	35	.46	.087	35	31	.44	170	.10	2	1.74	.01	.21	1	7
96+00E 85+75N	1	21	13	68	.4	41	7	594	1.49	6	5	ND	5	90	.5	2	2	23	.66	.103	22	20	.33	203	.07	3	1.52	.02	.18	1	3
96+00E 85+50N	1	27	10	64	.1	43	10	858	2.20	6	5	ND	3	43	.8	2	2	31	.46	.071	25	26	.35	214	.09	5	1.81	.02	.15	1	3
96+00E 85+25N	1	23	15	62	.1	54	8	668	1.91	9	5	ND	2	66	.2	2	7	29	.59	.097	26	26	.41	193	.08	5	1.68	.01	.16	1	1
96+00E 85+00N	1	28	13	71	.1	58	9	716	2.22	9	5	ND	5	49	.4	2	2	35	.47	.081	29	29	.44	184	.09	2	1.74	.01	.27	1	1
96+00E 84+75N	1	25	10	66	.1	61	10	668	2.34	10	5	ND	5	61	.3	2	2	40	.43	.095	35	33	.46	160	.10	2	1.65	.01	.19	1	6
96+00E 84+50N	1	25	10	61	.1	58	9	658	1.98	7	5	ND	2	64	.4	2	2	30	.49	.100	28	29	.45	174	.09	4	1.61	.02	.21	1	3
96+00E 84+25N	1	30	11	65	.1	63	10	720	2.15	8	5	ND	4	62	.4	2	2	31	.53	.097	28	30	.49	198	.09	5	1.78	.01	.23	1	4
96+00E 84+00N	1	25	14	60	.2	100	13	748	2.64	6	5	ND	6	50	.3	2	6	41	.51	.093	36	50	.86	159	.08	2	1.62	.01	.20	2	1
96+00E 83+75N	1	21	11	72	.1	39	8	725	1.84	11	5	ND	4	69	.4	2	2	26	.59	.088	20	21	.37	209	.07	2	1.40	.01	.20	1	1
96+00E 83+50N	1	23	11	66	.2	13	6	877	1.66	2	5	ND	3	54	.2	2	3	24	.51	.070	12	10	.24	186	.06	3	1.32	.02	.11	1	1
96+00E 83+25N	1	18	6	71	.1	8	4	721	1.09	5	5	ND	1	76	.4	2	2	16	.76	.082	8	5	.16	194	.05	4	.93	.01	.11	1	4
96+00E 83+00N	1	31	13	63	.1	12	9	1050	2.52	6	5	ND	3	39	.6	2	6	28	.50	.053	19	8	.20	206	.07	2	1.62	.01	.13	1	5
98+00E 100+00N	1	14	9	50	.1	8	5	492	1.35	6	5	ND	2	87	.2	2	2	25	.45	.080	25	11	.21	131	.09	2	1.49	.02	.10	1	1
98+00E 99+75N	1	15	10	44	.1	7	5	366	1.54	6	5	ND	4	85	.3	2	3	28	.37	.101	30	13	.24	128	.12	2	2.00	.02	.09	1	1
98+00E 99+50N	1	17	11	48	.1	9	5	593	1.32	8	5	ND	3	107	.3	3	3	24	.46	.113	25	13	.20	152	.10	2	1.51	.02	.09	2	2
98+00E 99+25N	1	18	9	52	.1	8	5	602	1.30	8	5	ND	3	76	.3	2	2	26	.43	.106	24	11	.19	120	.08	2	1.21	.01	.09	1	1
98+00E 99+00N	1	18	15	53	.1	10	7	455	2.03	6	5	ND	8	87	.5	4	2	40	.44	.087	47	16	.33	117	.13	2	1.95	.02	.14	1	4
98+00E 98+75N	1	16	4	58	.1	8	5	509	1.43	8	9	ND	5	77	.3	2	6	30	.42	.073	23	9	.22	107	.10	2	1.31	.02	.11	1	3
STANDARD C/AU-S	18	62	35	132	7.1	68	31	1049	3.94	42	16	6	37	49	18.1	14	21	58	.50	.094	38	52	.92	177	.08	40	1.95	.06	.13	9	52

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
98+00E 98+50N	1	17	9	52	.5	8	8	673	2.16	3	5	ND	5	108	.8	5	2	39	.53	.056	35	10	.40	148	.14	2	2.26	.03	.19	1	2
98+00E 98+25N	1	22	6	60	.4	7	7	1258	1.80	5	5	ND	2	216	.2	5	3	33	.87	.079	23	7	.34	159	.09	2	1.51	.03	.13	2	1
98+00E 98+00N	1	11	6	38	.5	9	7	501	1.84	4	6	ND	1	143	.2	3	2	32	.59	.067	25	10	.40	88	.07	2	1.54	.02	.13	1	1
98+00E 97+75N	1	26	11	72	.1	13	13	1049	3.31	4	5	ND	2	208	.5	2	2	58	.91	.120	48	34	.97	137	.06	2	2.75	.02	.20	1	2
98+00E 97+50N	1	12	3	23	.4	4	3	227	.99	4	5	ND	1	79	.2	2	2	20	.26	.036	10	6	.15	57	.07	3	.82	.02	.07	2	1
98+00E 97+25N	1	22	8	54	.5	8	5	448	1.49	7	6	ND	4	495	.3	5	3	28	.99	.090	32	15	.32	111	.10	3	1.58	.03	.13	1	1
98+00E 97+00N	1	12	4	39	.5	5	3	313	.83	5	7	ND	2	130	.2	2	2	15	.41	.102	13	4	.13	99	.06	2	.89	.02	.09	2	2
98+00E 96+75N	1	22	12	56	.4	7	5	784	1.35	8	5	ND	5	142	.2	4	2	22	.53	.105	32	7	.24	147	.08	2	1.62	.04	.10	1	1
98+00E 96+50N	1	19	18	55	.3	9	6	551	2.05	2	5	ND	11	80	.2	2	3	35	.37	.068	59	11	.32	155	.14	2	2.73	.02	.12	1	1
98+00E 96+25N	1	18	24	59	.2	9	7	643	2.14	2	5	ND	14	75	.2	2	2	34	.39	.077	73	9	.34	153	.14	2	3.08	.03	.17	1	1
98+00E 96+00N	1	27	22	68	.3	10	7	485	2.27	6	5	ND	21	94	.2	4	2	33	.59	.148	126	8	.45	131	.10	3	2.75	.03	.28	1	1
98+00E 95+75N	2	27	11	81	.3	7	10	910	3.12	3	5	ND	24	89	.2	4	2	54	.60	.190	157	5	.50	106	.10	2	2.18	.02	.26	1	2
98+00E 95+50N	2	27	15	83	.1	7	9	713	2.98	4	5	ND	21	87	.3	2	2	48	.64	.187	151	4	.52	110	.08	2	2.02	.01	.29	1	7
98+00E 95+00N	1	31	17	91	.1	14	13	871	3.94	2	5	ND	20	178	.2	2	2	73	1.14	.381	158	13	.85	96	.11	2	2.09	.02	.27	1	1
98+00E 94+75N	1	55	24	97	.1	26	13	796	3.35	7	5	ND	8	201	.2	2	2	57	1.02	.198	108	27	.85	126	.06	2	2.96	.09	.22	1	1
98+00E 94+50N	1	34	22	74	.3	18	9	531	2.26	4	5	ND	4	120	.4	4	2	39	.66	.135	58	16	.50	106	.08	2	2.06	.03	.28	1	1
98+00E 94+25N	1	28	10	71	.3	12	7	521	2.15	8	5	ND	5	201	.4	4	2	44	.87	.163	60	18	.40	131	.10	5	1.41	.02	.27	1	1
98+00E 94+00N	1	24	15	80	.1	13	6	629	1.71	4	5	ND	2	232	.4	2	3	30	.94	.116	43	14	.34	199	.11	4	1.86	.02	.24	1	1
98+00E 93+75N	1	23	15	60	.2	15	7	520	2.39	4	5	ND	8	153	.2	4	2	48	.61	.126	61	22	.44	130	.15	2	1.82	.02	.26	1	3
98+00E 93+50N	1	24	14	67	.2	15	7	518	2.52	2	5	ND	9	131	.5	3	2	54	.57	.148	65	24	.40	136	.16	2	1.85	.02	.20	1	1
98+00E 93+25N	1	46	15	77	.1	19	8	650	2.57	10	5	ND	8	103	.6	2	2	54	.60	.153	59	24	.43	164	.15	2	2.08	.02	.24	1	1
98+00E 93+00N	1	30	17	73	.3	42	10	601	2.86	6	5	ND	10	134	.3	5	2	57	.71	.148	68	33	.55	152	.14	2	1.87	.02	.33	1	1
98+00E 92+75N	1	21	4	57	.1	723	54	940	3.77	33	5	ND	3	92	.2	2	3	36	.58	.079	21	212	.85	88	.08	2	1.11	.02	.16	1	5
98+00E 92+50N	1	26	11	50	.3	428	42	870	2.63	10	5	ND	6	145	.2	5	2	33	.63	.052	31	114	.50	121	.10	5	1.64	.02	.21	1	1
98+00E 92+00N	1	12	12	34	.3	234	23	517	1.50	7	5	ND	1	111	.2	3	4	17	.77	.058	4	122	1.31	85	.05	5	.48	.01	.08	1	2
98+00E 91+75N	1	11	6	26	.3	349	23	386	1.64	8	5	ND	1	51	.2	2	2	15	.33	.027	3	191	2.56	102	.04	7	.49	.02	.07	1	1
98+00E 91+50N	1	12	3	27	.5	292	21	213	2.20	3	5	ND	3	30	.2	3	2	14	.20	.027	3	236	1.80	60	.06	4	1.09	.02	.13	1	1
98+00E 91+25N	1	12	2	28	.3	61	6	293	.88	2	7	ND	2	46	.2	2	2	15	.20	.043	7	23	.34	103	.06	2	.64	.02	.09	2	1
98+00E 91+00N	1	15	3	23	.6	37	5	252	.73	2	6	ND	4	55	.2	3	2	11	.23	.041	10	16	.29	69	.05	5	.68	.02	.11	2	3
98+00E 90+50N	1	34	8	44	.4	95	8	815	.98	4	5	ND	1	72	.2	2	2	19	1.37	.090	7	45	.38	384	.04	4	.70	.02	.07	1	4
98+00E 90+25N	1	7	3	21	.6	13	3	346	.66	4	5	ND	2	32	.2	3	2	17	.45	.050	3	7	.11	123	.05	3	.38	.02	.05	1	1
98+00E 90+00N	1	24	13	66	.1	136	13	648	2.43	9	5	ND	6	103	.2	2	2	40	.66	.116	51	64	.93	142	.10	2	1.55	.02	.17	1	1
98+00E 89+75N	1	18	5	49	.5	57	7	489	1.35	6	5	ND	6	89	.2	3	2	21	.35	.053	24	30	.42	127	.07	2	1.03	.02	.14	2	5
98+00E 89+50N	1	23	10	66	.1	21	7	462	2.14	2	5	ND	9	155	.3	3	2	31	.52	.083	54	19	.46	136	.13	4	2.28	.02	.27	1	2
98+00E 89+25N	1	23	9	65	.2	17	6	610	1.66	4	5	ND	7	127	.2	2	4	27	.44	.067	39	15	.30	133	.10	2	1.53	.01	.19	1	1
98+00E 89+00N	1	20	12	61	.5	35	7	516	1.89	8	5	ND	7	90	.2	4	2	32	.40	.096	39	30	.34	124	.11	2	1.57	.01	.16	1	2
STANDARD C/AU-S	19	60	36	132	7.1	69	30	1052	4.07	40	21	7	39	49	18.2	15	23	59	.52	.094	39	55	.95	174	.08	38	2.03	.06	.13	12	49

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
98+00E 88+75N	1	12	9	56	.1	47	7	524	2.03	5	5	ND	6	94	.2	2	2	38	.46	.105	41	37	.39	136	.12	5	1.53	.02	.16	1	4
98+00E 88+50N	1	15	8	51	.2	48	8	473	2.00	5	5	ND	7	91	.2	3	2	39	.48	.099	43	43	.38	141	.12	3	1.46	.02	.12	1	4
98+00E 88+25N	1	18	10	49	.2	71	10	475	1.73	9	5	ND	4	134	.3	3	3	29	.55	.078	31	51	.67	156	.09	7	1.33	.02	.12	1	8
98+00E 88+00N	1	18	10	61	.3	64	9	556	1.86	8	5	ND	3	116	.2	2	3	31	.66	.125	31	47	.53	166	.09	5	1.44	.02	.15	1	2
98+00E 87+75N	1	20	10	54	.1	41	7	508	1.76	9	5	ND	2	134	.2	2	2	33	.72	.122	38	34	.40	146	.09	5	1.41	.02	.12	1	1
98+00E 87+50N	1	22	6	56	.1	34	7	495	1.69	5	5	ND	1	159	.3	2	2	32	.75	.123	37	29	.39	150	.09	6	1.58	.02	.13	1	1
98+00E 87+25N	1	23	12	54	.1	28	7	547	1.59	5	5	ND	1	141	.2	2	2	30	.70	.139	35	25	.31	153	.09	2	1.49	.02	.11	1	2
98+00E 87+00N	1	20	11	51	.5	41	8	558	1.75	7	5	ND	4	121	.3	2	2	31	.76	.126	31	32	.38	175	.09	6	1.66	.02	.17	1	2
98+00E 86+75N	1	21	9	59	.1	85	11	702	2.12	8	5	ND	2	75	.4	3	2	34	.56	.089	33	44	.42	175	.11	3	1.89	.02	.12	1	2
98+00E 86+50N	1	25	10	55	.2	183	18	712	2.57	12	5	ND	5	61	.2	2	2	39	.42	.079	35	100	.74	161	.11	2	1.86	.02	.14	1	3
98+00E 86+25N	1	19	7	48	.1	114	11	589	2.01	10	5	ND	2	66	.2	2	2	30	.44	.087	27	47	.47	189	.10	4	1.74	.02	.14	2	2
98+00E 86+00N	1	26	5	53	.2	117	12	649	2.28	15	5	ND	4	58	.6	5	2	34	.47	.080	29	44	.48	214	.10	4	1.80	.02	.17	1	1
98+00E 85+75N	1	23	15	64	.3	109	11	619	2.05	17	5	ND	4	72	.3	2	2	33	.62	.107	33	43	.45	184	.09	5	1.47	.01	.19	1	1
98+00E 85+50N	1	39	20	79	.1	131	14	688	2.84	24	5	ND	4	64	.3	2	2	43	.51	.089	44	59	.71	191	.09	2	1.90	.02	.15	1	24
98+00E 85+25N	1	27	8	67	.1	65	9	668	1.88	14	5	ND	2	66	.2	2	2	28	.53	.083	24	30	.37	205	.08	2	1.51	.02	.19	1	4
98+00E 85+00N	1	27	10	64	.2	58	9	611	1.85	10	5	ND	4	73	.4	2	3	30	.56	.094	28	28	.36	194	.09	3	1.47	.02	.18	1	1
98+00E 84+75N	1	23	8	71	.2	54	8	616	1.65	8	5	ND	2	75	.2	2	2	26	.62	.099	24	25	.33	199	.08	6	1.32	.02	.16	1	1
98+00E 84+50N	2	20	13	66	.1	42	9	861	2.13	9	5	ND	3	41	.5	2	2	35	.37	.079	28	29	.32	212	.10	4	1.84	.01	.14	1	2
98+00E 84+25N	1	26	8	65	.1	44	8	623	1.86	3	5	ND	2	69	.3	2	2	29	.61	.090	24	27	.35	228	.08	4	1.61	.02	.18	1	2
98+00E 84+00N	1	27	5	72	.1	50	9	756	2.10	4	5	ND	3	68	.2	2	2	31	.68	.120	26	29	.40	272	.08	2	1.58	.02	.20	1	1
98+00E 83+75N	1	22	8	61	.3	40	8	646	1.82	5	5	ND	4	84	.2	2	2	30	.64	.109	31	24	.38	207	.09	4	1.67	.02	.16	1	1
98+00E 83+50N	1	21	7	62	.1	49	9	570	2.08	6	5	ND	6	78	.2	2	2	37	.54	.112	39	33	.45	148	.10	6	1.48	.02	.19	1	1
98+00E 83+25N	1	21	9	60	.2	44	8	608	1.76	3	5	ND	4	90	.3	2	5	29	.60	.123	31	30	.41	174	.08	3	1.54	.02	.17	1	1
98+00E 83+00N	1	23	5	61	.2	44	8	639	2.04	9	5	ND	3	58	.2	2	5	33	.54	.086	28	28	.41	172	.08	2	1.62	.02	.23	1	1
99+00E 100+00N	1	20	12	67	.1	13	6	517	1.84	3	5	ND	3	98	.3	2	2	36	.53	.101	38	20	.29	175	.13	2	1.87	.02	.16	1	1
99+00E 99+75N	1	18	10	51	.2	9	5	504	1.39	4	5	ND	4	81	.2	2	5	26	.43	.091	23	12	.21	161	.11	3	1.68	.02	.17	1	1
99+00E 99+50N	1	17	10	60	.1	20	6	542	1.69	5	5	ND	4	83	.4	2	2	32	.44	.098	29	20	.28	159	.12	3	1.75	.02	.16	1	1
99+00E 99+25N	1	21	11	72	.2	19	6	516	1.57	5	5	ND	5	157	.2	2	2	27	.60	.117	40	14	.24	158	.10	3	1.68	.02	.16	2	2
99+00E 99+00N	1	17	6	53	.2	10	5	475	1.76	2	5	ND	9	79	.2	2	2	34	.39	.122	41	16	.27	148	.13	2	1.72	.02	.14	1	4
99+00E 98+75N	1	21	18	66	.2	11	7	1306	1.87	6	5	ND	3	69	.3	2	4	37	.50	.164	34	17	.36	137	.12	2	1.47	.02	.09	1	1
99+00E 98+50N	1	19	11	57	.3	8	4	574	1.42	2	5	ND	4	121	.2	2	2	29	.66	.136	26	12	.24	158	.10	5	1.50	.02	.14	1	3
99+00E 98+25N	1	17	9	45	.2	4	5	665	1.32	9	5	ND	4	143	.3	2	2	26	.66	.086	21	8	.21	160	.10	6	1.43	.02	.16	2	1
99+00E 98+00N	1	21	14	59	.1	9	5	641	1.52	4	5	ND	3	129	.3	2	2	30	.65	.119	27	12	.26	164	.10	3	1.57	.02	.15	1	4
99+00E 97+75N	1	16	9	50	.4	9	5	538	1.71	3	5	ND	7	147	.3	2	2	35	.57	.093	47	15	.28	136	.13	2	1.57	.02	.16	2	1
99+00E 97+50N	2	21	13	70	.1	8	8	803	2.25	2	5	ND	12	86	.2	2	3	37	.46	.117	92	7	.36	133	.10	2	2.13	.02	.18	1	6
99+00E 97+25N	1	20	8	77	.1	6	7	633	1.67	4	5	ND	5	126	.2	2	2	29	.63	.146	49	9	.26	163	.11	2	1.62	.02	.17	1	2
STANDARD C/AU-S	18	58	35	132	7.0	67	30	1047	3.90	37	20	7	38	48	17.6	18	17	58	.49	.100	38	52	.90	177	.08	35	1.89	.06	.13	11	47

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
99+00E 97+00N	1	12	9	44	.2	5	5	422	1.48	5	5	ND	10	64	.2	2	2	25	.30	.052	35	7	.20	129	.11	2	1.69	.02	.13	1	2
99+00E 96+75N	1	19	7	66	.1	5	6	868	2.09	2	5	ND	14	74	.2	2	2	37	.45	.094	72	5	.35	100	.10	3	1.82	.02	.13	1	1
99+00E 96+50N	1	17	10	69	.1	6	7	597	2.14	3	5	ND	9	83	.2	2	2	37	.47	.107	78	8	.33	137	.10	3	1.79	.01	.18	1	3
99+00E 96+25N	2	26	12	68	.1	8	10	723	2.65	3	5	ND	11	113	.2	2	2	49	.68	.197	97	10	.52	116	.12	2	2.06	.01	.25	1	3
99+00E 96+00N	2	37	16	76	.1	12	14	1019	3.62	6	5	ND	19	162	.2	3	2	73	1.06	.376	138	11	.80	95	.13	4	2.31	.02	.25	1	3
99+00E 95+75N	1	34	16	95	.1	13	13	771	3.29	8	5	ND	17	189	.2	3	2	62	1.40	.484	161	10	1.10	97	.12	4	2.04	.02	.23	1	2
99+00E 95+50N	1	28	17	72	.1	9	10	649	2.39	2	5	ND	12	154	.2	2	2	42	.94	.264	110	6	.60	129	.08	7	1.62	.01	.30	1	2
99+00E 95+25N	1	30	12	72	.1	7	9	637	2.20	6	5	ND	6	258	.2	2	3	39	.94	.215	95	7	.52	134	.09	4	1.65	.02	.26	1	3
99+00E 95+00N	1	22	10	51	.1	6	7	581	1.76	2	5	ND	7	163	.4	2	2	29	.58	.131	80	6	.35	121	.08	4	1.52	.02	.21	1	1
99+00E 94+75N	1	16	7	41	.1	6	5	375	1.67	2	5	ND	7	239	.2	2	2	29	.44	.065	54	11	.27	87	.10	6	1.35	.02	.22	1	1
99+00E 94+50N	1	19	9	46	.1	7	5	493	1.64	2	5	ND	3	384	.2	2	2	30	.74	.085	44	13	.35	100	.09	4	1.29	.02	.27	1	1
99+00E 94+25N	1	22	12	49	.2	8	6	414	1.87	2	5	ND	7	280	.2	3	2	40	.60	.104	57	16	.33	116	.12	4	1.27	.02	.20	1	1
99+00E 94+00N	1	21	11	57	.1	7	6	443	1.96	4	5	ND	9	241	.2	2	3	40	.63	.121	57	17	.33	128	.13	4	1.51	.02	.27	1	1
99+00E 93+75N	1	24	14	57	.2	10	6	406	1.76	6	5	ND	4	387	.3	2	2	38	.86	.108	49	15	.32	113	.11	3	1.40	.02	.20	1	2
99+00E 93+50N	1	25	17	58	.1	8	6	443	1.70	4	5	ND	5	260	.2	2	2	37	.76	.133	47	16	.31	130	.11	5	1.47	.02	.20	2	1
99+00E 93+25N	1	23	15	59	.2	10	5	448	1.69	2	5	ND	5	217	.2	2	2	37	.71	.134	48	19	.26	130	.10	5	1.35	.02	.17	1	2
99+00E 93+00N	1	24	13	64	.1	9	6	446	1.84	3	5	ND	6	154	.2	2	4	40	.61	.132	49	17	.27	120	.12	2	1.54	.02	.17	1	1
99+00E 92+75N	1	27	12	64	.1	12	6	473	2.13	5	5	ND	8	168	.3	2	2	45	.62	.147	59	20	.32	124	.13	4	1.66	.02	.20	1	2
99+00E 92+50N	1	23	10	63	.3	12	6	456	1.83	3	5	ND	8	152	.2	3	2	35	.56	.107	48	16	.30	154	.12	6	1.65	.02	.25	1	1
99+00E 92+25N	1	23	11	61	.1	17	7	467	2.19	2	5	ND	9	150	.2	2	2	40	.57	.099	59	21	.42	146	.13	5	1.85	.02	.29	1	3
99+00E 92+00N	1	23	14	66	.1	22	8	487	2.27	10	5	ND	8	110	.3	3	2	43	.50	.109	50	25	.41	150	.15	3	1.72	.02	.33	1	1
99+00E 91+75N	4	28	21	68	.3	91	12	492	2.50	7	5	ND	11	101	.3	6	2	42	.51	.118	57	50	.76	144	.11	7	1.93	.02	.37	1	1
99+00E 91+50N	2	23	11	57	.2	568	34	535	3.06	7	5	ND	8	70	.2	3	2	37	.42	.093	39	254	3.90	114	.08	13	1.61	.01	.28	1	2
99+00E 91+25N	2	19	5	51	.5	613	37	599	2.94	11	5	ND	9	58	.2	4	2	33	.32	.081	32	233	3.93	147	.08	13	1.42	.02	.22	1	5
99+00E 91+00N	1	23	13	62	.2	113	13	516	2.38	2	5	ND	11	113	.2	3	2	42	.56	.129	64	59	1.10	153	.11	7	1.46	.01	.28	1	2
99+00E 90+75N	1	19	12	45	.3	261	21	550	2.03	6	5	ND	6	76	.2	4	2	28	.42	.075	31	107	1.93	177	.09	7	1.25	.02	.19	1	1
99+00E 90+50N	1	18	11	51	.2	117	13	493	2.00	3	5	ND	6	102	.2	2	2	32	.47	.091	38	70	.82	160	.10	3	1.53	.02	.20	1	1
99+00E 90+25N	1	19	8	67	.4	42	8	498	1.50	2	5	ND	5	123	.2	2	2	27	.53	.076	31	25	.37	138	.09	5	1.32	.02	.15	1	1
99+00E 90+00N	1	15	7	48	.3	21	6	441	1.44	2	5	ND	5	93	.2	4	6	26	.37	.063	31	18	.25	123	.10	2	1.38	.02	.12	2	1
99+00E 89+75N	1	18	13	56	.1	33	6	531	1.50	4	5	ND	4	103	.2	2	2	28	.43	.096	33	21	.25	121	.10	5	1.50	.02	.10	1	1
99+00E 89+50N	1	20	8	54	.2	67	9	547	1.72	7	5	ND	7	91	.2	2	3	31	.48	.079	33	31	.33	129	.11	4	1.45	.02	.16	1	1
99+00E 89+25N	1	30	16	75	.5	158	18	892	2.11	7	5	ND	10	148	.2	3	2	30	.76	.089	46	67	.75	197	.09	11	1.60	.02	.24	1	1
99+00E 89+00N	1	20	12	50	.3	104	12	543	1.90	3	5	ND	8	75	.2	3	6	29	.38	.051	37	53	.60	115	.09	4	1.46	.02	.20	1	1
99+00E 88+75N	1	17	8	48	.1	62	9	404	2.12	2	5	ND	10	91	.2	2	2	40	.40	.081	55	39	.45	100	.13	4	1.40	.02	.17	1	1
99+00E 88+50N	1	23	12	53	.1	33	9	509	2.15	3	5	ND	11	124	.2	4	2	42	.46	.089	61	26	.48	118	.13	6	1.42	.02	.24	1	1
99+00E 88+25N	1	21	5	59	.1	21	6	365	1.59	2	5	ND	6	361	.2	2	2	26	.57	.054	34	19	.44	123	.10	12	1.30	.02	.29	1	1
STANDARD C/AU-S	19	58	38	132	7.2	67	31	1044	3.87	39	22	7	39	48	18.0	16	23	58	.49	.094	39	56	.90	176	.08	37	1.92	.06	.13	11	52

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
99+00E 88+00N	1	14	21	144	.1	16	14	508	2.18	13	5	ND	2	379	.7	2	2	20	.88	.156	10	10	.32	172	.05	12	1.22	.01	.18	1	37
99+00E 87+75N	1	17	7	95	.4	28	4	523	.92	8	5	ND	1	711	.5	2	2	16	1.69	.140	18	14	.47	191	.06	21	.79	.02	.12	1	5
99+00E 87+50N	1	32	19	68	.1	190	21	828	2.48	6	5	ND	6	93	.5	2	2	30	.54	.062	36	101	1.31	161	.07	4	1.73	.02	.27	1	4
99+00E 87+25N	1	56	11	73	.1	102	20	1052	2.42	17	5	ND	3	96	.3	2	2	38	.90	.073	21	65	.74	196	.06	5	1.41	.01	.21	2	5
99+00E 87+00N	1	40	6	81	.1	46	13	789	1.91	13	5	ND	4	101	.3	3	2	32	.93	.121	12	40	.46	455	.07	10	1.24	.02	.17	1	1
99+00E 86+75N	1	11	2	34	.4	142	13	353	1.32	4	5	ND	4	39	.2	3	2	18	.32	.025	5	109	.67	126	.06	4	.84	.02	.09	2	1
99+00E 86+50N	1	12	12	50	.1	88	9	458	1.98	4	5	ND	5	42	.3	2	2	31	.30	.031	21	45	.44	137	.12	2	1.79	.02	.12	1	12
99+00E 86+25N	1	19	7	52	.3	101	10	611	1.89	9	5	ND	5	63	.2	2	2	31	.41	.070	25	45	.41	144	.10	3	1.49	.02	.12	1	3
99+00E 86+00N	1	17	14	52	.1	316	20	695	2.58	9	5	ND	6	58	.2	2	2	32	.41	.073	28	71	.69	167	.12	6	1.95	.02	.19	1	16
99+00E 85+75N	1	22	13	54	.1	104	13	779	2.57	9	5	ND	7	53	.2	2	2	41	.48	.085	33	49	.54	170	.10	3	1.48	.02	.20	1	3
99+00E 85+50N	1	20	15	62	.2	115	13	595	2.56	12	5	ND	8	57	.7	6	2	44	.42	.087	35	50	.56	139	.11	3	1.43	.01	.16	1	1
99+00E 85+25N	1	26	11	65	.1	93	11	582	2.18	9	5	ND	5	62	.5	2	4	36	.43	.096	32	40	.42	159	.10	4	1.40	.02	.16	1	5
99+00E 85+00N	1	23	19	79	.1	53	9	658	2.01	8	5	ND	3	63	.3	2	5	33	.50	.095	29	29	.34	197	.10	2	1.61	.02	.18	2	3
99+00E 84+75N	2	23	16	85	.1	41	8	817	1.68	9	5	ND	2	96	.3	2	3	27	.75	.088	23	21	.31	229	.08	2	1.34	.01	.15	1	1
99+00E 84+50N	1	28	21	74	.1	45	10	1159	2.16	6	5	ND	4	56	.5	2	2	35	.47	.075	31	25	.39	289	.10	3	1.83	.02	.16	1	1
99+00E 84+25N	2	26	14	58	.1	41	8	1023	1.40	9	5	ND	1	90	.2	2	3	21	.76	.119	17	19	.33	287	.06	9	1.21	.02	.20	1	1
99+00E 84+00N	1	26	7	52	.1	197	18	980	2.40	4	5	ND	3	71	.2	2	2	31	.54	.073	22	93	1.50	255	.07	5	1.84	.01	.18	1	1
99+00E 83+75N	1	26	15	80	.2	167	15	974	2.31	6	5	ND	3	109	.3	2	2	29	.93	.115	21	69	1.07	249	.07	10	1.79	.01	.22	1	2
99+00E 83+50N	1	20	10	64	.1	293	22	692	1.86	6	5	ND	2	61	.5	2	5	20	.45	.102	13	156	1.88	191	.07	10	1.47	.02	.17	1	1
99+00E 83+25N	1	19	5	55	.1	29	6	644	1.30	2	5	ND	1	60	.3	2	2	19	.53	.085	15	16	.28	174	.07	5	1.39	.01	.13	1	1
99+00E 83+00N	1	20	7	55	.4	14	4	686	1.13	6	5	ND	2	60	.3	3	2	18	.66	.086	12	9	.19	215	.08	2	1.49	.02	.09	1	1
100+00N 83+25E	1	19	11	61	.1	8	5	459	1.41	4	5	ND	2	109	.4	2	4	25	.44	.067	26	11	.24	154	.10	2	1.65	.02	.15	1	1
100+00N 83+50E	1	18	9	74	.2	7	6	528	1.65	2	5	ND	3	247	.2	3	3	28	.57	.106	31	11	.37	135	.10	3	1.72	.02	.17	1	2
100+00N 83+75E	1	22	6	60	.1	8	7	431	1.97	2	5	ND	2	402	.2	2	2	32	.72	.102	33	11	.56	130	.10	2	1.40	.02	.19	1	1
100+00N 84+25E	1	23	7	72	.1	9	16	498	3.93	2	5	ND	6	286	.2	2	2	80	.91	.205	51	22	1.38	85	.20	2	1.33	.03	.26	1	1
100+00N 84+50E	1	23	6	83	.1	11	16	573	4.33	2	5	ND	7	235	.2	2	2	93	.93	.219	55	25	1.52	85	.23	2	1.54	.03	.21	1	1
100+00N 84+75E	1	22	15	75	.1	11	9	509	2.46	6	5	ND	8	117	.4	2	2	49	.58	.140	55	20	.51	136	.15	2	2.10	.02	.21	1	2
100+00N 85+25E	1	27	11	65	.1	8	6	519	1.50	5	5	ND	2	141	.4	2	2	28	.71	.150	37	9	.30	148	.10	2	1.71	.02	.11	1	1
100+00N 85+50E	1	18	15	58	.1	7	6	510	1.63	2	5	ND	3	103	.3	2	2	32	.57	.116	37	11	.28	164	.11	3	1.84	.02	.14	1	3
100+00N 85+75E	1	22	10	50	.3	12	7	495	1.70	3	5	ND	6	108	.2	2	2	33	.57	.113	40	13	.28	166	.11	2	1.75	.02	.18	1	2
100+00N 86+25E	1	22	13	64	.3	10	8	481	2.08	6	5	ND	10	172	.6	4	2	41	.67	.158	65	17	.37	152	.13	2	1.94	.02	.21	1	1
100+00N 86+50E	1	23	5	45	.4	7	7	506	1.61	2	5	ND	5	233	.3	3	7	30	.60	.102	37	11	.32	153	.09	7	1.69	.02	.20	1	2
100+00N 86+75E	1	19	14	60	.2	9	7	451	2.36	2	5	ND	7	99	.3	2	2	47	.52	.130	45	18	.37	146	.12	2	1.97	.02	.23	1	3
100+00N 87+25E	1	22	14	61	.3	10	6	426	2.00	7	5	ND	9	101	.3	4	2	39	.49	.124	47	17	.30	151	.14	2	2.03	.02	.20	1	2
100+00N 87+50E	1	20	12	59	.5	9	6	429	1.86	3	5	ND	8	90	.2	2	2	36	.48	.113	41	15	.27	170	.13	2	2.10	.02	.19	1	1
100+00N 87+75E	1	20	8	58	.3	8	6	429	1.82	4	5	ND	6	93	.2	3	2	36	.47	.113	42	15	.26	154	.13	2	1.96	.02	.16	1	3
STANDARD C/AU-S	19	58	37	132	6.7	67	31	1050	3.96	38	21	7	39	49	18.1	15	18	59	.51	.095	39	53	.93	183	.08	38	1.94	.06	.13	11	45

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
100+00N 88+25E	1	23	8	51	.2	9	4	423	1.31	3	5	ND	1	557	.2	2	3	24	1.49	.096	32	11	.32	112	.08	8	1.11	.03	.22	1	1
100+00N 88+50E	1	33	11	64	.2	8	5	403	1.37	5	5	ND	1	562	.2	4	2	25	1.41	.101	36	11	.35	97	.09	12	1.49	.02	.22	1	1
100+00N 88+75E	1	16	14	61	.3	7	4	476	1.39	4	5	ND	1	152	.5	3	2	27	.61	.132	34	12	.24	122	.08	2	1.40	.02	.11	1	2
100+00N 89+25E	1	19	10	64	.1	8	5	495	1.50	6	5	ND	1	141	.2	2	7	28	.58	.102	38	12	.25	157	.09	5	1.57	.02	.16	1	68
100+00N 89+50E	1	17	12	71	.1	8	4	510	1.35	4	5	ND	1	96	.3	3	2	22	.46	.069	31	11	.24	159	.09	3	1.66	.02	.12	1	4
100+00N 89+75E	1	14	13	68	.1	9	5	408	1.57	3	5	ND	5	74	.2	4	2	25	.32	.077	41	15	.29	150	.10	2	2.00	.03	.12	1	2
100+00N 90+25E	1	25	10	157	.3	4	3	534	.96	3	6	ND	1	207	.4	3	2	16	1.00	.238	26	5	.19	175	.05	8	.96	.01	.29	1	4
100+00N 90+50E	1	16	13	80	.1	5	6	484	1.39	6	5	ND	1	101	.2	2	4	25	.46	.114	46	9	.22	138	.09	2	1.47	.02	.18	1	2
100+00N 90+75E	1	22	14	82	.3	10	7	510	1.80	5	5	ND	3	154	.4	3	4	35	.68	.122	46	16	.34	171	.11	5	1.67	.01	.26	1	3
100+00N 91+25E	1	19	14	74	.1	8	6	490	1.43	7	5	ND	1	157	.3	3	3	25	.69	.106	38	10	.26	170	.09	3	1.54	.02	.16	1	1
100+00N 91+50E	1	28	16	73	.4	15	7	523	2.20	9	5	ND	6	157	.2	3	2	41	.61	.119	68	22	.45	146	.11	2	1.98	.02	.26	1	6
100+00N 91+75E	1	25	15	61	.2	12	6	486	1.59	6	5	ND	3	155	.2	3	2	29	.64	.111	47	13	.29	157	.09	2	1.71	.02	.18	1	1
100+00N 92+25E	1	13	11	50	.1	9	5	488	1.37	2	5	ND	1	117	.2	2	2	25	.53	.098	28	11	.22	149	.09	3	1.57	.02	.10	1	1
100+00N 92+50E	1	13	13	49	.1	11	5	502	1.74	2	5	ND	5	90	.4	2	2	33	.42	.079	39	15	.27	161	.14	2	2.19	.02	.11	1	1
100+00N 92+75E	1	11	10	48	.1	7	4	482	1.25	4	5	ND	1	59	.2	3	2	23	.27	.144	24	10	.19	130	.09	2	1.31	.02	.11	1	1
83+00N 84+25E	1	17	12	49	.3	7	5	770	1.66	3	5	ND	1	50	.2	5	3	25	.51	.071	18	8	.31	173	.07	2	1.54	.02	.17	1	1
83+00N 84+50E	1	15	10	47	.1	8	6	816	1.73	2	5	ND	1	40	.2	3	4	23	.54	.054	16	7	.34	171	.06	4	1.36	.01	.18	1	2
83+00N 84+75E	1	15	14	64	.2	7	8	944	2.36	4	5	ND	1	38	.2	2	2	25	.76	.063	15	7	.45	202	.03	4	1.32	.01	.22	1	2
83+00N 85+25E	1	13	12	71	.3	5	7	642	2.36	9	5	ND	1	40	.2	3	2	23	.72	.035	10	5	.35	112	.02	5	1.10	.02	.24	1	4
83+00N 85+50E	1	11	4	45	.1	4	3	452	1.08	4	5	ND	1	43	.4	2	2	16	.75	.028	5	3	.17	85	.03	2	.48	.02	.07	1	1
83+00N 85+75E	1	30	8	59	.1	8	7	1202	1.45	8	5	ND	1	67	.2	2	2	19	1.34	.051	6	4	.22	233	.03	7	.55	.02	.07	1	3
83+00N 86+25E	1	20	11	69	.3	8	9	1076	2.33	3	5	ND	1	32	.2	3	2	24	.63	.059	12	6	.37	167	.03	4	1.14	.01	.20	1	1
83+00N 86+50E	1	89	11	64	.4	31	18	1413	3.82	3	5	ND	1	64	.2	2	2	73	2.12	.126	13	20	.71	387	.02	2	1.61	.02	.14	1	1
83+00N 86+75E	1	81	18	77	.6	27	13	1465	3.46	8	5	ND	1	41	.2	4	2	46	.94	.093	17	16	.46	257	.05	2	1.64	.01	.16	1	1
83+00N 87+25E	1	19	11	77	.1	11	10	967	2.24	2	5	ND	1	36	.2	2	2	24	.67	.097	12	7	.22	212	.04	3	1.10	.02	.11	1	3
83+00N 87+50E	1	28	12	63	.1	21	10	931	2.28	8	5	ND	1	42	.2	2	2	32	.45	.082	24	15	.35	139	.08	2	1.39	.02	.15	1	1
83+00N 87+75E	1	21	17	62	.3	18	8	840	2.18	3	5	ND	3	45	.2	3	2	31	.43	.086	24	15	.31	188	.09	2	1.67	.02	.17	1	1
83+00N 88+25E	1	22	14	50	.1	18	7	760	1.90	5	5	ND	1	50	.2	2	2	30	.47	.083	24	14	.32	192	.09	2	1.54	.01	.17	1	1
83+00N 88+50E	1	19	13	53	.1	19	6	681	1.75	4	5	ND	1	55	.2	2	2	29	.45	.085	26	16	.30	164	.08	2	1.40	.01	.17	1	2
83+00N 88+75E	1	25	14	52	.3	20	7	722	1.88	8	5	ND	1	49	.3	2	2	31	.46	.080	26	18	.32	167	.09	2	1.46	.01	.16	1	1
83+00N 89+25E	1	14	12	55	.4	12	5	544	1.23	8	5	ND	1	77	.3	5	2	19	.62	.105	17	9	.22	156	.05	2	1.13	.01	.16	1	1
83+00N 89+50E	1	22	17	57	.2	20	7	906	1.78	6	5	ND	1	58	.2	2	2	28	.66	.091	21	14	.28	208	.08	2	1.69	.02	.14	1	3
83+00N 89+75E	1	30	13	61	.5	30	9	820	2.22	9	5	ND	2	50	.2	2	2	32	.52	.082	28	20	.41	166	.08	2	1.52	.01	.17	1	4
83+00N 90+25E	1	25	16	66	.4	32	8	870	2.02	10	5	ND	3	57	.3	3	2	30	.53	.087	24	22	.41	188	.07	5	1.32	.01	.16	1	3
83+00N 90+50E	1	16	11	53	.1	40	8	743	1.70	3	5	ND	1	58	.2	2	2	25	.47	.082	21	21	.31	160	.07	2	1.18	.01	.14	1	1
83+00N 90+75E	1	19	12	103	.1	24	13	793	3.46	2	5	ND	2	59	.2	2	2	81	.69	.223	32	72	1.29	206	.21	2	2.32	.02	.17	1	1
STANDARD C/AU-S	18	58	42	132	6.9	67	30	1047	3.89	38	23	7	36	49	17.7	15	21	59	.50	.094	39	56	.91	173	.08	36	1.94	.06	.14	13	50

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
83+00N 91+25E	1	24	9	49	.1	36	8	718	1.64	2	5	ND	2	149	.2	2	2	23	.70	.085	22	22	.46	201	.06	5	1.25	.02	.15	2	1
83+00N 91+50E	1	21	11	59	.2	57	10	790	2.15	4	5	ND	3	63	.2	2	2	33	.58	.085	34	34	.50	191	.07	4	1.41	.02	.14	1	1
83+00N 91+75E	1	26	16	60	.3	54	11	869	2.26	5	5	ND	3	65	.2	2	2	35	.58	.098	36	35	.47	203	.08	3	1.53	.02	.15	1	3
83+00N 92+25E	1	24	12	64	.2	25	8	912	2.12	2	5	ND	3	53	.2	2	2	29	.46	.071	22	17	.35	245	.08	3	1.92	.02	.15	1	1
83+00N 92+50E	1	34	9	67	.1	29	8	983	2.11	5	5	ND	2	45	.2	2	3	31	.47	.070	16	19	.33	269	.10	3	2.33	.02	.14	1	6
83+00N 92+75E	1	19	12	68	.2	27	8	851	1.99	7	5	ND	3	48	.2	2	2	28	.47	.073	21	18	.31	231	.09	3	2.05	.02	.14	1	1
83+00N 96+25E	1	28	13	93	.3	16	11	1188	2.55	12	5	ND	1	38	.2	2	2	26	.92	.091	15	10	.22	248	.05	6	1.47	.02	.17	1	4
83+00N 96+50E	2	28	10	72	.2	10	10	1624	2.58	4	5	ND	1	37	.2	2	3	26	.73	.103	12	7	.29	256	.03	3	1.34	.02	.13	1	2
83+00N 96+75E	1	21	9	79	.1	14	12	1563	2.31	5	5	ND	1	51	.2	2	2	24	.86	.097	9	12	.25	175	.04	7	1.41	.02	.15	1	15
STANDARD C/AU-S	19	59	37	133	7.1	73	31	1051	4.13	36	22	7	37	53	19.9	15	21	57	.53	.098	38	60	.94	182	.08	34	1.99	.06	.13	11	51

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Minnova Inc. PROJECT 661 File # 90-1382 Page 1

3rd floor-311 Water St., Vancouver B.C V6B 1B8 Submitted by: LINDA LEE

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
100+00N 93+25E	1	18	22	59	.1	7	5	605	1.26	3	5	ND	2	109	.3	2	2	24	.55	.119	29	11	.22	149	.14	3	1.58	.02	.08	1	1
100+00N 93+50E	1	16	11	60	.1	5	4	554	1.04	3	5	ND	2	96	.2	2	2	21	.42	.111	16	8	.16	162	.11	2	1.26	.02	.08	1	3
100+00N 93+75E	1	21	6	77	.1	8	6	716	1.28	4	5	ND	2	170	.3	2	3	23	.55	.122	34	10	.26	163	.09	5	1.43	.02	.11	1	3
100+00N 94+25E	1	16	7	43	.1	7	5	342	1.35	2	5	ND	3	183	.2	2	4	25	.52	.083	32	12	.29	102	.11	3	1.68	.02	.11	1	4
100+00N 94+50E	1	16	6	54	.1	9	4	247	1.50	2	5	ND	4	187	.3	3	2	28	.47	.051	35	12	.28	92	.13	6	1.84	.02	.11	1	1
100+00N 94+75E	1	15	4	43	.1	6	3	301	1.05	3	5	ND	2	247	.2	2	2	21	.51	.112	17	8	.18	85	.10	6	1.15	.02	.09	2	2
100+00N 95+25E	1	12	4	45	.1	6	3	364	1.24	2	5	ND	2	134	.5	2	2	24	.35	.081	20	11	.19	95	.12	4	1.42	.02	.11	1	4
100+00N 95+50E	1	15	8	51	.1	7	4	419	1.29	6	5	ND	3	147	.2	2	2	24	.45	.162	23	10	.21	132	.13	6	1.74	.02	.12	1	2
100+00N 95+75E	1	20	9	73	.1	10	6	618	1.74	6	5	ND	3	119	.2	2	2	32	.40	.286	36	14	.32	149	.14	4	2.01	.02	.10	1	4
100+00N 96+25E	1	16	4	52	.1	8	4	723	1.42	3	5	ND	3	186	.4	2	2	27	.53	.196	30	11	.25	169	.13	6	1.83	.02	.12	1	4
100+00N 96+50E	1	15	9	40	.1	9	4	435	1.51	3	5	ND	6	147	.2	2	2	33	.42	.095	34	15	.23	130	.15	3	1.47	.02	.10	1	5
100+00N 96+75E	1	20	4	45	.1	5	3	328	1.07	2	5	ND	3	357	.2	2	2	20	1.17	.052	23	10	.22	101	.10	6	1.25	.03	.12	1	3
100+00N 97+25E	1	17	4	47	.1	6	4	493	1.33	2	5	ND	4	206	.2	2	2	27	.58	.175	31	11	.22	143	.12	4	1.50	.02	.11	1	4
100+00N 97+50E	1	15	8	59	.1	8	4	484	1.38	2	5	ND	5	197	.3	2	2	26	.68	.090	30	14	.24	126	.13	9	1.49	.02	.18	1	5
100+00N 97+75E	1	20	15	71	.1	9	4	744	1.48	6	5	ND	5	154	.2	2	2	29	.54	.202	25	16	.24	185	.15	6	1.76	.02	.13	1	3
100+00N 98+25E	1	15	10	62	.1	6	4	539	1.28	2	5	ND	2	104	.8	2	3	27	.52	.100	24	11	.20	163	.13	7	1.64	.02	.11	1	3
100+00N 98+50E	1	17	15	52	.1	9	6	620	1.77	3	5	ND	6	84	.5	2	2	37	.47	.088	39	18	.28	150	.18	2	2.14	.02	.17	1	4
100+00N 98+75E	1	18	17	69	.1	13	6	552	2.00	3	5	ND	6	94	.3	2	2	41	.49	.109	42	23	.33	161	.19	10	2.39	.02	.18	1	5
100+00N 99+25E	1	11	11	48	.1	12	5	529	1.76	3	5	ND	5	75	.2	2	2	38	.37	.063	29	20	.25	155	.19	4	1.89	.02	.16	1	4
100+00N 99+50E	1	13	8	42	.1	11	4	456	1.51	3	5	ND	4	149	.2	2	2	33	.55	.097	30	16	.24	155	.15	4	1.41	.02	.14	3	1
100+00N 99+75E	1	14	12	45	.1	9	4	577	1.23	3	5	ND	3	147	.2	2	2	27	.53	.162	22	11	.18	160	.13	4	1.22	.02	.09	3	4
83+00N 93+25E	1	21	6	70	.1	33	8	808	2.04	5	5	ND	3	60	.4	2	2	37	.46	.116	29	27	.32	208	.14	4	2.15	.02	.14	1	1
83+00N 93+50E	1	22	9	75	.2	25	6	713	1.66	2	5	ND	1	91	.5	2	2	28	.79	.092	21	17	.33	225	.09	5	1.74	.02	.17	1	4
83+00N 93+75E	1	20	7	67	.2	36	6	612	1.56	2	5	ND	1	106	.2	2	2	28	.76	.108	25	22	.35	209	.08	7	1.53	.02	.15	1	6
83+00N 94+25E	1	18	10	80	.1	12	7	861	1.82	6	5	ND	1	68	.2	2	2	27	.67	.090	13	9	.24	250	.09	5	1.75	.02	.18	1	3
83+00N 94+50E	1	18	6	78	.1	7	7	1039	1.57	3	5	ND	1	56	.2	2	2	23	.68	.095	12	6	.20	289	.07	3	1.85	.02	.13	1	2
83+00N 94+75E	1	27	5	74	.1	11	9	1111	2.01	4	5	ND	1	68	.3	2	2	29	.96	.096	12	12	.28	279	.08	8	1.69	.02	.20	1	4
83+00N 95+25E	1	41	13	89	.1	12	11	1350	2.11	2	5	ND	1	54	.5	2	2	32	.81	.102	11	9	.22	424	.07	5	1.43	.02	.21	1	1
83+00N 95+50E	1	75	11	90	.2	13	11	1734	2.71	6	5	ND	1	37	.5	2	3	30	.83	.097	13	8	.31	405	.04	12	1.46	.01	.20	1	5
83+00N 95+75E	1	31	13	80	.1	20	8	941	2.25	7	5	ND	3	67	.3	2	2	34	.67	.101	35	18	.39	199	.09	5	1.73	.02	.24	1	290
83+00N 97+25E	1	30	12	77	.1	75	12	882	2.75	8	5	ND	4	53	.3	2	2	44	.51	.098	36	42	.63	211	.10	6	1.99	.01	.28	1	3
83+00N 97+50E	1	26	13	68	.2	52	10	788	2.25	7	5	ND	3	82	.6	2	2	40	.63	.133	40	35	.52	181	.11	3	1.66	.02	.23	1	5
83+00N 97+75E	1	24	14	78	.2	64	10	707	2.26	7	5	ND	4	73	.4	2	2	41	.58	.108	43	43	.59	166	.11	9	1.50	.02	.18	1	4
83+00N 98+25E	1	24	9	63	.1	41	8	738	2.01	5	5	ND	2	85	.9	2	2	33	.62	.109	30	27	.42	242	.12	5	2.11	.02	.20	1	2
83+00N 98+50E	1	21	10	73	.1	39	8	723	1.71	4	5	ND	1	88	.4	2	2	28	.70	.102	26	24	.38	226	.11	7	1.92	.02	.16	1	1
83+00N 98+75E	1	20	6	66	.1	33	6	721	1.54	7	5	ND	1	72	.4	2	2	27	.53	.134	23	22	.31	203	.09	3	1.62	.02	.13	1	1
STANDARD C/AU-S	17	58	37	129	6.8	64	30	1059	3.75	38	19	7	37	47	18.9	16	19	56	.48	.095	37	56	.86	174	.11	34	1.86	.06	.14	11	58

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

RECEIVED
MAY 30 1990

DATE RECEIVED: MAY 22 1990 DATE REPORT MAILED: May 28/90. SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
83+00N 99+25E	1	24	9	58	.2	37	8	807	1.83	5	5	ND	1	55	.3	2	2	30	.64	.107	24	30	.38	189	.09	7	1.48	.01	.19	1	3
83+00N 99+50E	1	24	14	65	.1	27	7	732	1.69	5	5	ND	1	65	.4	2	2	29	.67	.076	21	22	.29	223	.10	5	1.62	.02	.12	1	1
83+00N 99+75E	1	17	15	38	.3	35	7	655	1.65	5	5	ND	1	51	.3	2	2	29	.39	.048	21	26	.26	181	.10	3	1.42	.02	.10	3	2
94+00E 100+00N	1	17	13	79	.1	8	4	626	1.11	2	5	ND	1	153	.3	2	2	23	.58	.118	18	10	.19	150	.09	4	1.25	.02	.12	1	1
94+00E 99+75N	1	13	17	72	.1	8	4	518	1.10	2	5	ND	1	134	.5	2	2	22	.46	.063	20	11	.19	147	.09	3	1.30	.01	.14	1	1
94+00E 99+50N	1	15	14	86	.1	7	3	408	1.15	2	5	ND	3	83	.2	2	2	19	.30	.043	21	10	.19	113	.08	3	1.33	.02	.16	1	1
94+00E 99+25N	1	12	8	64	.1	9	3	418	1.05	4	5	ND	2	88	.2	2	2	20	.39	.133	16	13	.18	130	.09	6	1.19	.02	.13	1	2
94+00E 99+00N	1	14	12	49	.1	6	3	638	1.12	2	5	ND	1	66	.3	2	3	24	.33	.135	14	14	.16	144	.11	3	1.36	.02	.08	2	1
94+00E 98+75N	1	15	4	43	.1	7	3	643	1.22	4	5	ND	2	77	.2	2	2	27	.38	.111	18	13	.17	151	.12	3	1.41	.01	.09	1	1
94+00E 98+50N	1	12	7	36	.1	7	3	437	1.20	3	5	ND	2	68	.3	2	2	25	.32	.059	20	13	.18	133	.12	4	1.53	.02	.09	1	1
94+00E 98+25N	1	14	9	40	.1	7	4	446	1.37	2	5	ND	4	105	.5	2	2	29	.43	.094	36	14	.21	151	.13	5	1.36	.02	.13	3	2
94+00E 98+00N	1	12	14	44	.2	6	3	476	1.07	2	5	ND	2	101	.2	2	3	22	.43	.123	20	10	.18	143	.10	6	1.25	.01	.10	5	1
94+00E 97+75N	1	19	7	46	.1	6	4	764	1.33	2	5	ND	2	78	.2	2	2	29	.43	.143	19	14	.19	171	.15	5	2.09	.02	.09	1	8
94+00E 97+50N	1	35	13	76	.2	9	5	1192	1.31	6	5	ND	1	97	.4	2	2	30	.67	.206	22	18	.19	165	.05	4	1.67	.02	.07	1	1
94+00E 97+25N	1	16	9	48	.1	6	3	415	1.05	5	5	ND	1	34	.3	2	2	26	.20	.087	13	10	.15	92	.09	4	1.21	.02	.04	1	1
94+00E 97+00N	1	12	9	34	.2	6	4	535	1.15	2	5	ND	1	70	.2	2	2	22	.34	.066	19	10	.17	158	.12	4	1.53	.02	.10	1	2
94+00E 96+75N	1	20	12	73	.1	4	4	1019	1.03	5	5	ND	1	80	.4	2	2	21	.45	.140	16	5	.14	152	.08	3	1.11	.02	.06	1	1
94+00E 96+50N	1	18	16	60	.1	7	4	689	1.23	4	5	ND	1	103	.2	2	2	25	.49	.155	23	13	.20	168	.11	3	1.42	.02	.10	1	1
94+00E 96+25N	1	19	19	44	.2	7	4	709	1.31	7	5	ND	2	132	.2	2	2	27	.61	.164	26	14	.21	178	.13	6	1.73	.01	.11	1	1
94+00E 96+00N	1	22	13	74	.1	9	6	754	1.57	3	5	ND	1	92	.3	2	2	36	.46	.134	23	15	.24	145	.13	5	1.97	.01	.08	1	1
94+00E 95+75N	1	21	15	62	.1	7	5	881	1.24	6	5	ND	1	95	.7	2	2	31	.52	.156	18	16	.21	164	.08	4	1.55	.02	.08	1	1
94+00E 95+50N	1	22	18	70	.1	11	7	998	1.76	11	5	ND	1	78	.3	2	2	40	.44	.147	22	17	.32	157	.16	4	1.89	.01	.09	1	1
94+00E 95+25N	1	15	14	50	.1	8	5	747	1.42	5	5	ND	3	95	.2	2	2	30	.46	.092	22	13	.25	184	.14	6	1.71	.01	.15	1	1
94+00E 95+00N	1	29	18	70	.1	14	8	837	2.01	5	5	ND	2	89	.3	2	2	48	.55	.156	26	26	.39	133	.17	5	2.18	.02	.10	1	2
94+00E 94+75N	1	17	10	42	.1	8	5	556	1.24	5	5	ND	1	70	.3	2	2	28	.40	.099	18	12	.21	126	.13	4	1.62	.02	.10	1	1
94+00E 94+50N	1	19	22	62	.1	10	7	870	1.95	3	5	ND	3	72	.4	2	3	38	.42	.116	48	14	.31	172	.17	3	2.65	.02	.13	1	1
94+00E 94+25N	1	35	29	71	.2	19	12	744	2.60	3	5	ND	11	229	.3	2	2	47	1.03	.315	116	20	.67	119	.13	4	2.74	.06	.22	1	1
94+00E 94+00N	1	34	19	40	.3	10	8	566	1.50	6	5	ND	5	250	.2	2	2	30	.94	.194	75	10	.44	75	.09	4	1.55	.08	.13	1	1
94+00E 92+00N	1	63	33	84	.5	19	15	671	3.39	2	5	ND	13	421	.2	4	5	51	2.32	.442	185	28	1.40	132	.12	4	2.66	.31	.13	1	1
94+00E 91+75N	1	52	26	134	.3	18	13	499	2.64	4	5	ND	14	514	.3	2	2	39	1.51	.463	162	21	1.05	198	.12	5	2.45	.16	.25	1	4
94+00E 91+50N	1	27	12	79	.2	439	36	927	2.23	16	5	ND	2	122	.2	2	2	30	.71	.152	26	97	.91	338	.08	6	1.35	.03	.17	1	3
94+00E 91+25N	1	11	8	25	.1	48	6	282	1.04	6	5	ND	1	35	.2	2	2	20	.21	.047	9	21	.18	89	.10	3	1.26	.02	.05	1	1
94+00E 91+00N	1	17	10	41	.2	150	17	525	2.15	11	5	ND	2	69	.3	2	2	31	.43	.044	26	60	.49	249	.11	4	1.97	.02	.14	1	2
94+00E 90+75N	1	27	18	43	.2	201	22	752	2.00	21	5	ND	2	58	.2	2	3	28	.42	.081	16	75	.35	230	.11	5	1.61	.02	.13	1	5
94+00E 90+50N	1	16	14	50	.1	83	12	582	1.53	9	5	ND	1	68	.2	3	2	27	.47	.082	20	32	.30	217	.10	4	1.48	.02	.11	1	1
94+00E 90+25N	1	17	10	51	.1	40	7	523	1.64	5	5	ND	1	93	.2	2	2	32	.55	.099	31	28	.39	198	.11	4	1.58	.02	.19	2	1
STANDARD C/AU-S	18	58	38	129	6.5	68	29	1030	3.64	38	17	6	36	48	16.5	16	21	55	.47	.096	36	58	.83	172	.08	34	1.77	.06	.14	11	54

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
94+00E 90+00N	1	16	14	62	.2	62	9	582	1.69	11	5	ND	1	76	.2	2	2	32	.51	.105	26	34	.38	201	.13	8	1.91	.02	.14	1	2
94+00E 89+75N	1	28	15	91	.3	54	12	886	2.97	12	5	ND	4	92	.6	2	2	62	.78	.135	45	55	.76	242	.21	5	2.54	.02	.25	1	4
94+00E 89+50N	1	23	9	78	.2	31	9	668	2.54	9	5	ND	3	84	.4	3	2	55	.63	.137	37	40	.58	235	.19	2	2.23	.02	.21	1	1
94+00E 89+25N	1	23	18	68	.2	42	9	647	2.35	8	5	ND	5	80	.4	2	2	47	.54	.124	46	32	.44	163	.15	2	1.93	.02	.20	1	4
95+00E 100+00N	1	16	9	53	.1	8	4	536	1.27	6	5	ND	3	109	.5	2	2	23	.28	.187	21	11	.20	128	.12	6	1.64	.02	.08	1	4
95+00E 99+75N	1	21	8	39	.1	7	4	329	1.20	7	5	ND	2	241	.6	2	2	25	.47	.064	26	10	.22	75	.12	4	1.62	.02	.08	1	2
95+00E 99+50N	1	13	9	40	.1	8	4	318	1.35	6	5	ND	4	160	.4	2	3	26	.37	.072	24	10	.23	80	.12	3	1.64	.02	.11	1	3
95+00E 99+25N	1	19	4	46	.1	8	5	417	1.24	8	5	ND	3	179	.7	2	2	24	.54	.200	27	10	.22	114	.11	5	1.63	.02	.09	1	2
95+00E 99+00N	1	14	11	45	.1	7	5	438	1.36	10	5	ND	4	131	.2	2	2	27	.47	.175	26	11	.24	121	.13	8	1.66	.02	.12	1	1
95+00E 98+75N	1	14	12	41	.1	7	4	517	1.17	9	5	ND	3	107	.4	2	2	23	.40	.139	25	10	.19	125	.12	4	1.47	.02	.08	1	1
95+00E 98+50N	1	18	6	61	.1	10	5	710	1.49	8	5	ND	4	103	.3	2	2	28	.36	.176	34	13	.27	167	.13	2	1.89	.02	.12	1	5
95+00E 98+25N	1	23	14	68	.1	9	5	921	1.48	4	5	ND	2	138	.2	2	2	29	.55	.229	41	14	.29	163	.12	2	1.67	.02	.08	1	1
95+00E 98+00N	1	16	9	34	.1	6	3	442	1.01	4	5	ND	2	111	.4	2	2	20	.37	.118	19	7	.18	110	.10	3	1.44	.02	.07	1	2
95+00E 97+75N	1	16	8	50	.1	7	4	543	1.20	4	5	ND	3	110	.5	2	2	24	.34	.167	20	9	.18	153	.12	3	1.43	.02	.07	1	3
95+00E 97+50N	1	30	12	68	.1	7	7	1098	1.49	5	5	ND	1	308	.6	2	2	27	.90	.281	47	13	.41	176	.07	6	1.23	.02	.11	1	2
95+00E 97+25N	1	11	4	32	.1	6	3	451	.92	12	5	ND	2	96	.2	2	4	20	.32	.091	16	7	.15	143	.10	6	1.01	.02	.11	1	1
95+00E 97+00N	1	17	7	58	.1	8	5	654	1.24	6	5	ND	3	116	.5	2	2	26	.46	.162	24	11	.20	175	.12	3	1.38	.02	.10	1	1
95+00E 96+75N	1	18	4	50	.1	7	4	664	1.15	7	5	ND	2	108	.3	2	4	22	.50	.188	23	7	.19	173	.12	2	1.81	.02	.08	2	2
95+00E 96+50N	1	17	11	53	.1	10	5	679	1.57	7	5	ND	2	101	.3	2	2	30	.42	.099	35	12	.25	202	.15	4	2.36	.02	.10	1	2
95+00E 96+25N	1	14	9	39	.1	8	4	402	1.28	6	5	ND	2	73	.7	2	2	28	.37	.107	26	13	.20	142	.13	3	1.55	.02	.10	1	2
95+00E 96+00N	1	30	11	87	.1	13	7	1052	1.75	6	5	ND	1	74	.6	2	2	42	.56	.138	23	25	.33	147	.14	8	1.94	.02	.09	1	3
95+00E 95+75N	1	20	12	42	.1	9	5	516	1.43	4	5	ND	3	79	.4	2	2	34	.40	.091	23	14	.26	145	.15	8	1.84	.02	.11	1	1
95+00E 95+50N	1	18	11	36	.1	8	4	413	1.24	8	5	ND	2	68	.3	2	2	27	.40	.163	19	14	.22	138	.15	4	2.12	.02	.10	1	1
95+00E 95+25N	1	15	11	46	.1	8	5	563	1.38	4	5	ND	1	81	.2	2	2	30	.47	.093	27	12	.22	171	.13	2	1.84	.02	.11	1	1
95+00E 95+00N	1	17	18	52	.1	10	7	748	2.07	6	5	ND	3	70	.6	2	2	41	.43	.092	39	15	.32	165	.21	2	3.01	.02	.10	1	2
95+00E 94+75N	1	33	39	71	.1	14	10	838	2.48	7	5	ND	7	223	.3	2	2	48	.88	.221	71	21	.55	118	.19	4	2.97	.09	.20	1	2
95+00E 94+50N	1	41	31	70	.2	14	10	792	2.21	6	5	ND	8	289	.4	2	2	40	1.04	.228	87	17	.61	102	.17	4	2.52	.10	.23	1	2
95+00E 94+25N	1	30	21	62	.1	12	9	623	2.11	6	5	ND	7	222	.2	2	2	36	.87	.189	73	17	.65	126	.14	2	2.29	.05	.29	1	1
95+00E 94+00N	1	26	19	60	.1	12	8	475	2.03	4	5	ND	9	163	.4	2	2	36	.72	.183	81	13	.50	145	.15	5	2.78	.03	.26	1	2
95+00E 93+75N	1	34	35	72	.2	15	10	740	2.51	10	5	ND	11	249	.2	3	2	47	.97	.258	93	18	.60	100	.18	2	2.55	.07	.21	1	1
95+00E 91+75N	1	16	14	33	.1	12	5	407	1.14	3	5	ND	4	83	.2	2	2	24	.53	.099	28	10	.26	133	.07	5	.84	.02	.13	1	2
95+00E 91+50N	1	19	15	59	.1	11	5	559	1.52	2	5	ND	12	114	.2	2	2	21	.54	.065	77	9	.38	238	.06	2	1.22	.02	.27	1	1
95+00E 91+25N	1	12	7	55	.1	11	3	397	.98	5	5	ND	3	93	.3	2	2	19	.33	.179	19	12	.17	157	.10	2	1.20	.02	.10	1	1
95+00E 91+00N	1	12	5	63	.1	9	4	534	1.18	5	5	ND	4	102	.2	2	2	22	.43	.075	21	11	.20	148	.12	9	1.39	.02	.13	1	1
95+00E 90+75N	1	17	12	47	.1	14	6	522	1.71	5	5	ND	5	122	.4	2	2	34	.60	.066	48	17	.28	134	.14	6	1.59	.02	.17	2	3
95+00E 90+50N	1	20	10	48	.1	94	13	495	2.08	7	5	ND	4	104	.2	2	2	36	.53	.098	44	35	.43	139	.13	2	1.57	.02	.17	1	1
STANDARD C/AU-S	18	58	37	124	6.6	68	30	1024	3.73	39	19	8	37	47	17.2	15	20	56	.49	.094	37	53	.86	173	.11	32	1.82	.06	.14	12	50

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
95+00E 90+25N	1	19	17	62	.1	116	13	562	1.88	8	5	ND	3	87	.5	2	2	35	.56	.116	35	33	.46	132	.11	4	1.29	.02	.19	1	3
95+00E 90+00N	1	25	41	79	.4	141	11	1206	2.04	34	5	ND	1	67	.2	3	2	30	.63	.106	20	42	.68	200	.07	6	1.24	.01	.12	2	150
95+00E 89+75N	1	22	27	70	.3	101	13	793	1.65	27	5	ND	1	76	.3	2	2	26	.58	.101	24	49	.61	167	.08	5	1.18	.02	.15	1	193
95+00E 89+50N	1	19	31	87	.9	139	13	844	1.48	28	5	ND	1	78	.8	2	2	21	.59	.105	17	69	.96	180	.07	9	1.14	.02	.17	1	43
95+00E 89+25N	1	18	20	70	.7	67	8	806	1.63	21	5	ND	1	70	.4	3	2	26	.51	.088	24	43	.49	184	.09	4	1.33	.02	.13	1	17
96+00E 100+00N	1	18	10	48	.2	8	3	592	1.12	2	5	ND	3	135	.2	2	2	22	.41	.154	23	8	.21	144	.11	3	1.54	.02	.11	1	1
96+00E 99+75N	1	12	8	44	.1	5	4	626	1.05	2	5	ND	1	101	.4	2	2	20	.30	.131	20	7	.21	115	.11	6	1.57	.02	.07	2	1
96+00E 99+50N	1	12	10	47	.2	7	3	504	1.21	2	5	ND	3	94	.2	2	2	25	.33	.160	28	9	.18	135	.12	4	1.34	.02	.10	1	1
96+00E 99+25N	1	12	5	49	.1	7	3	503	1.17	5	5	ND	4	115	.2	2	2	25	.38	.181	24	10	.16	142	.11	3	1.14	.02	.12	1	2
96+00E 99+00N	1	13	5	44	.1	7	3	500	1.09	4	5	ND	3	105	.2	2	2	23	.39	.152	20	9	.16	150	.11	6	1.22	.02	.09	1	4
96+00E 98+75N	1	14	12	47	.1	9	3	449	1.38	3	5	ND	4	102	.2	2	2	28	.35	.165	26	12	.20	149	.14	3	1.65	.02	.08	2	1
96+00E 98+50N	1	15	10	55	.2	8	4	531	1.26	4	5	ND	3	129	.4	2	2	24	.43	.228	22	8	.19	188	.13	6	1.69	.02	.12	1	1
96+00E 98+25N	1	13	6	49	.1	8	3	474	1.22	6	5	ND	3	94	.3	2	2	26	.33	.170	27	12	.16	161	.12	2	1.33	.02	.09	3	2
96+00E 98+00N	1	15	6	60	.1	8	4	479	1.32	4	5	ND	4	135	.2	2	2	29	.50	.166	37	11	.19	142	.13	3	1.41	.02	.07	1	1
96+00E 97+75N	1	14	3	55	.1	7	3	535	1.27	3	5	ND	2	144	.2	2	2	28	.45	.140	31	11	.18	161	.12	5	1.24	.02	.09	1	3
96+00E 97+50N	1	11	10	48	.1	6	3	383	1.15	4	5	ND	2	85	.4	2	2	25	.33	.102	26	10	.17	121	.12	2	1.29	.02	.08	1	1
96+00E 97+25N	1	15	7	49	.1	6	3	606	1.00	2	5	ND	1	96	.3	2	2	21	.34	.177	20	10	.14	185	.11	2	1.36	.02	.08	1	1
96+00E 97+00N	1	16	17	68	.1	9	5	696	1.59	3	5	ND	1	73	.2	2	2	35	.35	.125	39	11	.23	148	.13	2	2.12	.02	.08	1	1
96+00E 96+75N	1	17	13	66	.1	8	6	728	1.74	4	5	ND	3	82	.2	2	2	35	.38	.117	50	12	.26	150	.15	2	2.31	.02	.10	2	2
96+00E 96+50N	1	18	7	66	.1	9	4	591	1.37	4	5	ND	1	74	.2	2	2	32	.38	.119	30	11	.19	135	.12	5	1.94	.02	.08	1	2
96+00E 96+25N	1	16	12	54	.1	9	5	566	1.47	10	5	ND	3	97	.2	2	2	31	.48	.102	34	11	.23	167	.16	5	1.94	.02	.16	2	1
96+00E 96+00N	1	19	13	58	.1	12	6	672	1.66	8	5	ND	2	79	.2	2	2	42	.50	.122	31	16	.27	104	.17	3	1.73	.02	.12	1	4
96+00E 95+50N	1	44	33	65	.2	18	10	990	2.52	2	5	ND	4	152	.2	3	2	57	.85	.200	68	33	.62	111	.20	3	2.78	.04	.14	1	3
96+00E 95+25N	1	42	24	68	.1	14	10	888	2.34	5	5	ND	6	204	.2	2	2	45	1.02	.239	76	20	.66	147	.21	6	2.57	.04	.24	1	1
96+00E 95+00N	1	31	27	55	.2	10	7	594	1.70	5	5	ND	5	241	.3	2	2	32	.99	.197	72	13	.48	121	.18	6	2.19	.08	.20	1	5
96+00E 94+75N	1	28	23	62	.1	10	6	536	1.58	2	5	ND	4	210	.4	2	2	29	.89	.179	61	13	.38	119	.16	4	2.12	.06	.20	2	1
96+00E 94+50N	1	20	14	62	.1	7	5	441	1.45	2	5	ND	3	174	.4	2	2	29	.67	.135	48	10	.27	143	.15	5	2.01	.03	.19	1	1
96+00E 94+25N	1	22	17	55	.3	8	5	442	1.35	3	5	ND	3	181	.5	3	2	26	.67	.129	43	11	.25	146	.12	4	1.70	.03	.18	2	4
96+00E 94+00N	1	21	11	62	.1	12	5	425	1.55	3	5	ND	3	166	.3	2	2	33	.71	.155	50	13	.27	140	.14	5	1.81	.03	.18	1	1
96+00E 93+75N	1	24	13	59	.1	14	7	455	2.01	4	5	ND	7	158	.2	2	2	46	.78	.199	70	20	.39	108	.17	2	1.65	.05	.18	1	1
96+00E 93+50N	1	28	20	79	.1	16	7	427	2.21	8	5	ND	11	144	.2	2	2	47	.69	.189	77	20	.40	132	.14	2	1.62	.02	.22	1	2
96+00E 93+25N	1	22	10	74	.2	7	5	916	1.21	7	5	ND	1	275	.2	2	3	23	1.12	.184	22	12	.30	181	.05	6	.78	.02	.10	1	1
96+00E 93+00N	1	14	10	63	.1	7	5	447	1.40	5	5	ND	4	102	.2	2	2	18	.52	.070	62	7	.18	121	.04	2	1.19	.01	.24	1	1
96+00E 92+75N	1	13	9	46	.1	5	4	443	1.18	2	5	ND	6	116	.4	2	3	18	.45	.049	55	5	.17	159	.08	2	1.17	.02	.17	1	1
96+00E 92+50N	1	11	2	35	.1	5	4	442	.93	3	5	ND	1	79	.2	2	2	17	.44	.063	14	8	.18	118	.07	4	1.02	.02	.12	1	1
96+00E 92+25N	2	20	18	103	.1	9	8	1406	1.87	15	5	ND	2	170	.6	2	2	31	1.05	.147	23	15	.40	359	.06	6	1.23	.02	.22	1	12
STANDARD C/AU-S	18	58	38	130	6.7	68	31	1049	3.79	40	20	8	36	47	17.8	16	22	57	.49	.095	38	56	.87	174	.10	33	1.85	.06	.13	12	53

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
96+00E 92+00N	1	21	22	88	.2	29	9	953	2.42	5	5	ND	11	118	.2	2	2	39	.72	.101	68	27	.59	221	.09	6	1.76	.01	.47	2	1
96+00E 91+50N	1	17	14	61	.1	19	7	665	1.83	9	5	ND	3	87	.5	2	2	30	.57	.056	27	18	.45	190	.06	4	1.39	.02	.29	1	3
96+00E 91+25N	1	11	8	49	.1	12	5	448	1.56	3	5	ND	2	75	.5	2	2	21	.40	.041	22	12	.31	175	.07	2	1.61	.02	.20	1	2
96+00E 91+00N	1	9	5	70	.1	9	3	574	1.27	4	5	ND	3	74	.5	3	2	22	.31	.055	20	12	.21	170	.12	5	1.34	.02	.16	1	1
96+00E 90+75N	1	14	12	46	.1	14	4	515	1.36	4	5	ND	3	93	.2	2	2	26	.35	.072	23	14	.21	152	.14	2	1.61	.02	.15	1	1
96+00E 90+50N	1	14	6	45	.1	11	4	414	1.24	5	5	ND	1	132	.3	2	2	26	.51	.095	27	14	.20	133	.12	2	1.39	.02	.08	2	2
96+00E 90+25N	1	19	14	58	.2	16	5	447	1.68	4	5	ND	2	150	.4	3	2	34	.69	.150	45	18	.28	160	.14	2	1.81	.02	.14	1	1
96+00E 90+00N	1	20	17	64	.2	25	6	496	1.80	6	5	ND	2	149	.5	3	2	36	.71	.143	45	25	.30	171	.14	4	1.82	.02	.14	1	6
96+00E 89+75N	1	27	14	72	.1	178	16	701	2.53	15	5	ND	3	68	.5	3	2	45	.49	.102	39	126	1.33	252	.11	5	1.79	.02	.16	1	4
96+00E 89+50N	1	19	16	57	.1	112	12	562	1.80	10	5	ND	1	116	.4	2	2	32	.53	.094	27	63	.77	218	.11	6	1.67	.02	.19	1	49
96+00E 89+25N	1	19	15	65	.1	75	9	533	1.66	9	5	ND	1	131	.3	2	2	29	.74	.115	28	52	.67	192	.10	6	1.66	.02	.14	1	3
97+00E 100+00N	1	20	9	45	.1	8	3	367	1.16	7	5	ND	3	213	.2	2	2	22	.61	.164	27	12	.22	124	.12	5	1.55	.02	.15	1	2
97+00E 99+75N	1	17	8	67	.1	7	4	628	1.35	6	5	ND	4	151	.2	2	2	28	.51	.243	27	10	.20	174	.14	3	1.71	.02	.12	1	4
97+00E 99+50N	1	19	21	76	.1	10	5	616	1.96	5	5	ND	6	102	.2	2	2	39	.41	.152	48	15	.28	185	.20	2	2.63	.02	.15	1	3
97+00E 99+25N	1	21	15	76	.2	9	5	625	1.89	5	5	ND	7	116	.2	2	2	38	.47	.163	45	16	.28	199	.19	2	2.49	.02	.13	1	2
97+00E 99+00N	1	15	15	62	.1	8	4	639	1.30	7	5	ND	2	100	.2	2	2	25	.40	.153	23	12	.18	199	.14	2	1.87	.02	.10	1	3
97+00E 98+75N	1	16	17	67	.1	8	3	848	1.17	4	5	ND	1	102	.4	2	2	21	.39	.237	19	11	.16	205	.11	3	1.74	.02	.08	1	3
97+00E 98+50N	1	22	21	92	.1	8	5	1114	1.63	8	5	ND	3	144	.2	3	2	30	.59	.238	34	12	.23	268	.14	4	2.24	.02	.11	1	2
97+00E 98+25N	1	19	15	99	.1	9	4	831	1.41	7	5	ND	1	125	.3	2	2	29	.54	.158	29	12	.19	174	.12	2	1.66	.02	.08	1	1
97+00E 98+00N	1	20	17	85	.1	8	5	793	1.74	11	5	ND	4	188	.3	3	2	32	.68	.117	46	15	.25	233	.17	3	2.32	.02	.15	1	3
97+00E 97+75N	1	17	18	69	.1	11	5	587	1.70	4	5	ND	2	171	.2	2	2	34	.53	.147	44	17	.24	219	.15	3	2.18	.02	.15	1	2
97+00E 97+50N	1	15	9	51	.1	6	4	493	1.19	5	5	ND	2	123	.2	2	2	23	.44	.182	24	7	.17	165	.13	2	1.65	.02	.11	1	4
97+00E 97+25N	1	19	19	71	.2	11	4	807	1.41	9	5	ND	3	126	.3	2	2	27	.55	.207	27	15	.19	250	.15	2	2.09	.02	.11	1	4
97+00E 97+00N	1	18	15	76	.1	6	4	933	1.54	5	5	ND	4	87	.2	2	2	30	.39	.098	32	10	.21	199	.15	2	1.94	.02	.11	1	1
97+00E 96+75N	1	15	9	55	.1	7	4	494	1.38	3	5	ND	2	79	.2	2	2	28	.37	.089	28	11	.20	158	.15	2	1.91	.03	.09	1	1
97+00E 96+50N	1	30	21	72	.1	12	7	906	1.90	9	5	ND	3	130	.3	2	2	42	.70	.143	50	22	.37	174	.14	5	2.04	.02	.18	1	4
97+00E 96+25N	1	30	18	75	.2	14	7	1062	2.13	5	5	ND	4	113	.2	2	4	46	.61	.147	57	25	.36	195	.18	12	2.63	.02	.16	1	6
97+00E 96+00N	1	23	16	63	.1	11	7	609	2.00	6	5	ND	5	120	.2	2	3	43	.59	.137	57	18	.32	163	.18	4	2.29	.03	.20	1	4
97+00E 95+75N	1	30	18	69	.1	14	8	774	2.32	8	5	ND	8	151	.2	2	2	51	.73	.172	62	21	.41	151	.19	2	2.13	.03	.24	1	2
97+00E 95+50N	1	32	18	56	.2	8	6	1127	1.22	6	5	ND	3	307	.2	3	2	25	1.23	.155	39	8	.27	142	.10	6	1.31	.04	.15	1	2
97+00E 95+25N	1	42	32	83	.2	12	11	868	2.73	8	5	ND	15	243	.2	2	2	46	1.10	.281	113	19	.73	131	.14	4	2.71	.12	.28	1	2
97+00E 95+00N	1	32	23	85	.1	8	8	768	2.64	5	5	ND	25	186	.2	2	2	42	.82	.201	133	13	.52	158	.12	2	2.48	.06	.40	1	1
97+00E 94+75N	1	35	19	84	.2	11	10	822	2.26	3	5	ND	12	194	.2	2	2	38	.99	.254	116	12	.64	148	.10	2	2.16	.04	.34	1	4
97+00E 94+50N	1	20	16	67	.1	9	5	573	1.62	4	5	ND	4	117	.3	3	2	31	.48	.095	42	13	.32	158	.14	2	1.73	.02	.19	1	2
97+00E 94+25N	1	29	19	72	.2	15	8	555	2.58	5	5	ND	8	157	.2	2	3	54	.70	.162	69	29	.55	158	.18	2	1.97	.02	.32	1	5
97+00E 94+00N	1	31	16	73	.2	17	8	595	2.88	2	5	ND	12	169	.2	2	2	61	.76	.202	83	31	.62	165	.19	2	2.12	.02	.26	1	2
STANDARD C/AU-S	18	57	37	129	6.5	68	29	1034	3.70	37	18	7	36	47	16.6	15	22	55	.48	.095	36	56	.85	173	.11	32	1.82	.06	.14	12	47

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
97+00E 93+75N	1	32	15	73	.1	15	10	796	2.76	3	5	ND	7	141	.4	2	3	55	.86	.175	60	31	.73	132	.13	4	2.07	.02	.35	1	2
97+00E 93+50N	1	21	21	92	.2	12	8	645	2.20	6	5	ND	7	120	.4	2	2	37	.77	.133	67	26	.52	142	.08	9	1.85	.02	.33	1	1
97+00E 93+25N	1	15	15	83	.1	6	4	418	1.66	5	5	ND	5	114	.4	2	2	30	.72	.115	62	15	.26	120	.08	4	1.31	.02	.27	1	2
97+00E 93+00N	1	13	7	81	.1	3	3	554	1.05	2	5	ND	3	107	.2	2	2	18	.63	.057	42	7	.17	116	.05	8	.90	.02	.16	1	2
97+00E 92+50N	1	25	15	68	.1	14	7	737	1.96	3	5	ND	3	57	.2	2	2	41	.39	.070	23	21	.32	176	.15	3	2.42	.02	.15	1	2
97+00E 92+25N	1	16	9	47	.1	9	9	1154	2.11	3	5	ND	1	55	.2	3	2	44	.39	.068	30	21	.56	194	.10	2	2.12	.02	.11	2	3
97+00E 92+00N	1	19	20	64	.1	20	7	831	1.99	9	5	ND	4	64	.2	2	4	31	.42	.089	30	25	.34	443	.20	2	3.29	.02	.18	1	1
97+00E 91+75N	1	65	5	54	.3	33	8	704	2.19	6	5	ND	2	71	.3	2	2	42	.53	.041	22	40	.62	253	.12	4	2.43	.02	.24	1	12
97+00E 91+50N	1	78	5	68	.2	130	16	779	3.26	4	5	ND	1	39	.2	4	2	56	.49	.055	17	100	1.50	148	.04	13	2.22	.01	.25	1	10
97+00E 91+25N	1	75	8	74	.1	67	16	840	3.19	5	5	ND	1	57	.2	3	2	58	.64	.057	13	57	1.10	141	.04	6	2.01	.01	.26	1	3
97+00E 91+00N	1	10	2	20	.1	5	2	107	.68	2	5	ND	1	33	.2	2	2	20	.35	.055	3	7	.12	64	.06	6	.42	.03	.06	1	4
97+00E 90+50N	1	12	4	53	.1	12	4	408	1.35	3	5	ND	4	81	.2	2	2	26	.34	.066	27	14	.22	134	.14	8	1.52	.02	.15	1	1
97+00E 90+25N	1	14	15	46	.1	15	5	481	1.45	2	5	ND	3	112	.2	2	2	29	.43	.065	30	18	.25	158	.15	4	1.92	.02	.11	1	3
97+00E 90+00N	1	18	13	67	.1	12	5	497	1.54	6	5	ND	1	142	.2	2	2	35	.68	.132	42	16	.24	147	.12	7	1.40	.02	.12	2	3
97+00E 89+75N	1	19	13	60	.1	23	6	507	1.34	8	5	ND	1	149	.2	2	2	28	.76	.140	35	17	.27	197	.11	5	1.51	.02	.19	1	1
97+00E 89+50N	1	19	11	63	.1	53	8	532	1.44	8	5	ND	1	125	.4	2	2	30	.72	.141	30	30	.35	167	.10	6	1.33	.02	.11	1	3
97+00E 89+25N	1	17	18	66	.1	71	10	718	2.07	8	5	ND	2	177	.2	2	2	41	.50	.110	31	55	.46	286	.14	5	1.91	.02	.16	1	10
97+00E 89+00N	1	23	13	64	.2	174	15	706	2.52	14	5	ND	3	93	.2	3	2	43	.45	.114	40	122	1.04	257	.12	5	1.89	.02	.17	1	18
97+00E 89+00N A	1	22	18	67	.1	164	15	682	2.48	10	5	ND	4	93	.2	2	2	44	.44	.113	40	117	.98	254	.12	4	1.80	.02	.17	1	8
97+00E 88+75N	1	19	12	53	.2	104	11	563	1.77	8	5	ND	2	129	.5	2	2	32	.50	.088	28	78	.95	204	.11	7	1.66	.02	.14	1	4
97+00E 88+50N	1	16	12	54	.1	87	9	500	1.97	6	5	ND	3	68	.2	2	2	37	.40	.093	29	66	.72	187	.14	5	1.83	.02	.14	2	8
97+00E 88+25N	1	22	17	52	.1	68	10	541	1.88	11	5	ND	2	349	.2	2	2	37	.63	.097	30	81	.84	182	.11	6	1.53	.02	.15	1	6
97+00E 88+00N	1	20	17	59	.2	36	7	561	1.46	8	5	ND	1	149	.2	2	2	29	.74	.127	27	33	.39	163	.08	6	1.51	.02	.10	2	1
97+00E 87+75N	1	21	15	65	.2	28	7	530	1.64	3	5	ND	1	157	.2	2	2	35	.79	.155	36	31	.35	169	.11	6	1.52	.02	.15	1	2
97+00E 87+50N	1	25	11	64	.1	20	5	573	1.40	5	5	ND	1	176	.4	2	2	32	.85	.156	39	20	.29	128	.10	4	1.22	.02	.14	1	3
97+00E 87+25N	1	21	13	55	.1	26	6	553	1.55	8	5	ND	1	133	.3	2	2	32	.75	.122	36	27	.31	156	.11	3	1.48	.02	.12	1	2
97+00E 87+00N	1	19	13	54	.1	31	6	531	1.38	5	5	ND	1	118	.2	2	2	28	.67	.130	32	27	.27	152	.09	4	1.47	.02	.10	2	3
97+00E 86+75N	1	19	14	55	.1	42	7	551	1.64	4	5	ND	1	100	.2	2	2	32	.56	.125	33	27	.32	182	.13	6	1.75	.02	.14	1	2
97+00E 86+50N	1	21	12	60	.1	113	11	593	2.09	10	5	ND	2	87	.4	2	2	39	.63	.125	36	55	.63	169	.12	6	1.66	.02	.15	1	17
97+00E 85+75N	1	21	13	59	.3	157	13	618	2.38	22	5	ND	4	77	.3	5	2	41	.63	.098	36	56	.77	177	.13	5	1.74	.02	.15	1	8
97+00E 85+50N	1	27	12	61	.3	151	15	675	2.47	23	5	ND	3	80	.2	4	2	44	.77	.110	35	61	.74	171	.11	10	1.75	.02	.22	2	10
97+00E 85+25N	1	27	21	63	.2	91	11	723	2.31	19	5	ND	4	60	.4	2	2	42	.45	.096	33	40	.50	185	.14	5	1.88	.02	.19	1	7
97+00E 85+00N	1	31	55	86	.2	47	9	1101	2.11	10	5	ND	2	55	.2	2	2	32	.51	.077	23	23	.33	220	.13	6	1.90	.02	.18	1	8
97+00E 84+75N	1	25	29	65	.2	38	8	992	1.84	9	5	ND	1	62	.2	2	2	29	.61	.083	22	19	.31	256	.12	7	2.02	.02	.16	1	4
97+00E 84+50N	1	23	12	66	.1	49	7	684	1.56	5	5	ND	1	94	.2	2	2	26	.72	.096	23	22	.33	237	.10	8	1.65	.02	.19	1	1
97+00E 84+25N	1	25	21	65	.1	61	8	749	2.01	5	5	ND	2	68	.2	2	2	33	.54	.094	30	32	.43	216	.11	6	1.90	.02	.22	1	2
STANDARD C/AU-S	17	58	42	125	6.7	67	29	1054	3.67	39	16	7	37	47	17.6	16	21	56	.48	.094	36	55	.86	174	.10	35	1.83	.06	.14	12	48

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
97+00E 84+00N	1	27	16	77	.1	69	10	781	2.09	6	5	ND	2	66	.2	2	2	32	.60	.091	28	37	.44	230	.12	6	1.94	.02	.26	1	1
97+00E 83+75N	1	27	15	69	.1	51	9	820	1.92	7	5	ND	1	86	.3	2	2	31	.68	.107	28	26	.38	240	.11	7	1.89	.02	.20	1	1
97+00E 83+50N	1	33	9	73	.2	85	12	904	2.61	6	5	ND	3	58	.2	2	2	39	.54	.099	35	41	.63	220	.11	5	1.98	.02	.26	1	3
97+00E 83+25N	1	26	14	73	.2	59	10	805	2.25	5	5	ND	3	69	.2	3	2	36	.55	.110	30	32	.50	217	.11	6	1.69	.02	.27	1	1
97+00E 83+00N	1	28	15	75	.1	54	9	828	2.19	7	5	ND	2	73	.3	2	2	34	.63	.112	30	31	.45	227	.11	5	1.78	.02	.25	1	5
100+00E 100+00N	1	16	10	48	.1	11	4	395	1.38	5	5	ND	4	164	.2	2	2	28	.51	.192	29	15	.22	141	.15	6	1.64	.02	.14	2	1
100+00E 99+75N	1	16	14	51	.1	9	4	492	1.44	4	5	ND	3	139	.2	2	2	31	.52	.173	29	14	.22	169	.14	4	1.40	.02	.12	1	1
100+00E 99+50N	1	19	8	58	.1	7	4	614	1.44	4	5	ND	3	175	.2	2	2	30	.60	.217	31	14	.21	194	.14	2	1.47	.02	.14	1	1
100+00E 99+25N	1	16	13	43	.1	9	4	369	1.49	6	5	ND	4	144	.2	2	4	32	.58	.073	33	13	.25	137	.16	5	1.59	.02	.12	1	4
100+00E 99+00N	1	15	4	58	.2	7	4	450	1.16	2	5	ND	2	191	.8	2	2	22	.64	.133	16	8	.20	146	.12	7	1.61	.03	.07	1	1
100+00E 98+75N	1	14	7	51	.2	8	5	420	1.61	2	5	ND	3	63	.2	2	2	31	.36	.134	20	10	.23	144	.20	4	2.87	.03	.07	2	2
100+00E 98+50N	1	17	10	70	.1	9	4	783	1.35	5	5	ND	1	38	.2	2	2	28	.23	.167	14	13	.18	161	.13	4	1.58	.02	.06	1	1
100+00E 98+25N	1	14	5	54	.1	6	4	1214	1.26	2	5	ND	1	52	.2	2	2	27	.35	.103	17	7	.17	199	.09	2	1.38	.03	.06	1	3
100+00E 98+00N	1	14	14	58	.1	8	6	1074	1.96	5	5	ND	3	51	.2	2	2	40	.36	.073	23	14	.34	165	.17	2	2.49	.03	.11	1	1
100+00E 97+75N	1	16	9	73	.1	9	8	1316	2.03	2	5	ND	1	82	.2	2	2	40	.55	.103	24	17	.37	222	.14	3	2.46	.02	.13	1	1
100+00E 97+50N	1	17	16	80	.1	8	11	1196	2.78	3	5	ND	2	63	.2	2	2	53	.50	.106	31	17	.60	159	.11	8	2.53	.02	.18	1	1
100+00E 97+25N	1	17	15	65	.1	12	8	775	2.08	3	5	ND	4	79	.2	3	2	41	.51	.091	32	25	.46	197	.15	12	2.39	.02	.21	1	3
100+00E 97+00N	1	32	15	66	.1	14	8	1026	1.94	4	5	ND	2	90	.2	2	2	51	.65	.143	31	31	.46	159	.14	3	1.81	.02	.13	1	1
100+00E 96+75N	1	29	19	75	.2	16	13	1370	2.87	2	5	ND	3	81	.2	2	2	56	.71	.140	39	36	.77	173	.13	5	2.35	.02	.21	1	1
100+00E 96+50N	1	23	16	85	.2	15	12	1106	2.91	3	5	ND	4	83	.2	3	2	59	.66	.143	42	40	.84	212	.18	4	2.31	.03	.25	1	2
100+00E 96+25N	1	18	14	70	.2	7	13	1918	3.38	4	5	ND	3	123	.2	2	2	72	.85	.131	30	14	.95	153	.12	3	2.06	.06	.13	1	1
100+00E 96+00N	1	18	14	72	.2	6	10	1194	2.56	5	5	ND	4	76	.4	2	2	51	.58	.083	32	10	.63	165	.14	3	2.12	.03	.25	1	2
100+00E 95+75N	1	21	21	70	.1	8	10	1001	3.18	2	5	ND	5	71	.2	2	2	63	.61	.127	37	17	.71	152	.15	3	2.46	.02	.29	1	1
100+00E 95+50N	1	27	13	68	.1	9	10	994	3.06	2	5	ND	4	94	.2	2	2	60	.76	.153	39	19	.67	154	.14	6	2.37	.02	.40	1	1
100+00E 95+25N	1	23	17	61	.1	10	11	1203	3.07	2	5	ND	3	73	.2	2	2	61	.71	.141	33	20	.74	141	.10	3	2.12	.02	.36	1	2
100+00E 95+00N	1	26	13	69	.2	6	11	1288	2.79	2	5	ND	2	142	.2	3	2	56	.91	.161	33	18	.75	158	.09	5	1.98	.02	.37	1	1
100+00E 94+75N	1	25	11	71	.1	13	11	1055	2.34	5	5	ND	2	129	.2	3	2	45	.87	.133	31	35	.75	152	.09	4	1.79	.02	.27	1	2
100+00E 94+50N	1	21	12	70	.1	15	6	585	1.59	2	5	ND	2	165	.2	2	2	35	.72	.144	36	24	.31	163	.13	6	1.75	.02	.19	1	2
100+00E 94+25N	1	18	7	69	.1	13	6	604	1.79	7	5	ND	3	94	.2	2	3	38	.51	.098	35	16	.31	182	.17	6	2.45	.02	.15	1	1
100+00E 94+00N	1	30	24	78	.1	15	15	1331	2.87	8	5	ND	4	110	.2	3	2	63	.74	.147	69	29	.85	125	.11	2	2.23	.03	.18	1	1
100+00E 93+75N	1	24	15	81	.1	12	7	630	1.87	3	5	ND	2	180	.4	2	2	42	.78	.136	48	20	.38	174	.13	3	1.80	.02	.19	1	2
100+00E 93+50N	1	23	12	61	.1	11	6	586	1.75	3	5	ND	3	152	.2	2	2	39	.67	.115	47	21	.34	165	.14	2	1.80	.02	.16	1	1
100+00E 93+25N	1	26	19	98	.1	22	11	1040	3.41	5	5	ND	5	75	.2	2	2	69	.57	.140	44	53	.83	241	.24	4	3.55	.02	.28	1	1
100+00E 93+00N	1	26	10	83	.1	18	11	1073	2.88	3	5	ND	3	80	.2	3	2	59	.63	.135	36	53	.84	174	.15	5	2.39	.02	.31	1	1
100+00E 92+75N	1	21	9	72	.1	13	7	678	1.92	6	5	ND	5	78	.2	2	2	39	.49	.108	39	22	.38	133	.13	3	1.73	.02	.23	1	1
100+00E 92+50N	1	24	11	63	.1	16	7	580	1.69	3	5	ND	4	143	.2	2	2	37	.65	.130	43	23	.28	152	.14	4	1.69	.02	.18	1	1
STANDARD C/AU-S	18	58	35	129	6.8	67	30	1045	3.73	38	19	7	36	47	17.2	16	18	57	.48	.096	37	55	.86	174	.11	34	1.81	.06	.14	11	52

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
100+00E 92+25N	1	24	15	67	.1	13	6	556	2.07	3	5	ND	6	208	1.1	2	2	49	.90	.165	61	24	.42	143	.18	7	1.65	.03	.28	1	1
100+00E 92+00N	1	23	21	68	.2	14	7	521	2.15	6	5	ND	7	209	.6	2	2	49	.84	.157	60	26	.45	144	.18	5	1.67	.02	.27	1	3
100+00E 91+75N	1	20	11	66	.2	11	6	501	1.96	3	5	ND	5	163	.4	2	2	43	.68	.139	51	20	.34	163	.18	3	1.82	.02	.24	1	1
100+00E 91+50N	1	20	18	74	.2	10	4	398	1.57	4	5	ND	4	314	.7	2	2	35	.90	.126	57	18	.31	124	.12	6	1.64	.02	.20	1	2
100+00E 91+25N	1	17	19	69	.1	11	5	528	1.74	5	5	ND	4	140	.6	2	2	35	.56	.091	42	19	.29	160	.16	3	1.96	.02	.19	1	1
100+00E 91+00N	1	18	14	92	.1	8	4	584	1.38	5	5	ND	3	134	.8	2	3	27	.70	.109	35	13	.23	151	.13	5	1.64	.02	.24	1	1
100+00E 90+75N	1	11	21	54	.1	6	3	332	1.20	2	5	ND	5	90	.2	2	2	21	.46	.058	51	7	.17	151	.12	4	1.70	.02	.15	1	2
100+00E 90+50N	1	15	20	68	.1	15	5	441	1.39	6	5	ND	4	107	.5	2	2	26	.52	.089	42	14	.24	152	.11	5	1.46	.02	.19	1	2
100+00E 90+25N	1	20	37	105	.2	7	4	724	1.02	14	5	ND	2	182	1.3	2	2	17	.95	.169	83	6	.20	87	.04	6	.89	.02	.17	1	1
100+00E 90+00N	1	19	19	63	.1	12	5	474	1.45	8	5	ND	1	169	1.0	2	2	29	.70	.123	37	13	.24	168	.12	5	1.52	.02	.16	1	1
100+00E 89+75N	1	25	26	69	.1	108	10	641	1.86	9	5	ND	5	106	.4	2	2	30	.61	.112	59	59	.70	126	.08	5	1.54	.02	.19	1	1
100+00E 89+50N	1	30	18	75	.3	107	12	568	2.23	4	5	ND	8	140	.9	2	2	35	.84	.125	77	64	.97	122	.08	6	1.73	.02	.35	1	4
100+00E 89+25N	1	26	15	86	.1	76	12	763	2.53	11	5	ND	11	126	.7	3	2	45	.57	.143	73	52	.63	145	.14	4	1.95	.02	.26	1	1
100+00E 89+00N	1	25	5	84	.1	60	9	555	2.00	7	5	ND	4	323	.5	2	2	36	1.29	.119	52	37	.44	146	.12	7	1.56	.02	.27	1	3
100+00E 88+75N	1	22	11	57	.1	52	8	517	1.73	6	5	ND	4	207	.3	2	2	35	.65	.113	45	31	.40	139	.13	4	1.42	.02	.23	1	1
100+00E 88+50N	1	21	9	55	.1	104	10	595	1.28	5	5	ND	1	226	.2	2	2	21	.73	.102	24	37	.35	142	.08	6	1.26	.02	.14	1	1
100+00E 88+25N	1	16	9	57	.1	50	7	477	1.45	4	5	ND	2	130	.5	2	2	30	.58	.138	36	24	.30	159	.12	7	1.55	.02	.17	1	1
100+00E 88+00N	1	20	15	53	.1	198	16	625	1.84	7	5	ND	2	98	.3	2	3	28	.53	.103	28	68	.56	186	.12	8	1.77	.02	.17	1	3
100+00E 87+75N	1	28	4	47	.1	195	18	670	1.89	11	5	ND	2	182	.8	3	2	28	.75	.122	35	66	.66	166	.11	7	1.67	.02	.19	1	2
100+00E 87+50N	1	30	18	55	.1	94	12	643	1.46	9	5	ND	1	298	.7	2	4	25	.97	.134	43	37	.51	180	.09	7	1.63	.02	.20	1	2
100+00E 87+25N	1	26	16	39	.1	99	13	587	1.59	6	5	ND	2	345	.3	2	2	26	.74	.085	44	43	.58	144	.09	7	1.51	.02	.22	1	3
100+00E 87+00N	1	39	19	75	.2	254	23	834	2.24	13	5	ND	3	170	.6	2	3	32	.90	.134	42	105	1.61	171	.08	11	1.61	.02	.20	1	4
100+00E 86+75N	1	28	22	64	.1	687	44	644	3.32	16	5	ND	3	88	.2	2	2	36	.81	.101	32	262	5.68	133	.06	19	1.63	.01	.20	1	4
100+00E 86+50N	1	26	6	64	.2	594	39	693	3.11	10	5	ND	4	81	.4	2	3	36	.61	.108	33	228	3.97	157	.07	16	1.52	.02	.24	1	2
100+00E 86+25N	1	22	16	66	.1	134	14	749	1.61	9	5	ND	2	156	.7	2	3	25	.75	.083	31	53	.72	183	.09	7	1.35	.02	.21	1	1
100+00E 86+00N	1	17	8	59	.1	60	8	750	1.40	5	5	ND	3	128	.2	2	2	22	.59	.065	27	29	.38	187	.11	5	1.43	.02	.21	1	1
100+00E 85+75N	1	17	13	67	.1	46	9	802	1.86	5	5	ND	4	105	.7	2	2	29	.58	.057	36	36	.55	264	.12	7	1.56	.02	.26	1	1
100+00E 85+50N	1	20	6	73	.1	80	10	624	2.21	9	5	ND	2	182	.5	2	2	32	.68	.069	29	47	.90	348	.09	7	1.84	.02	.27	1	1
100+00E 85+25N	1	20	23	78	.2	208	17	370	2.23	14	5	ND	3	218	.2	2	2	36	.78	.100	27	123	2.29	132	.08	14	1.20	.03	.11	1	4
100+00E 85+00N	1	21	9	60	.2	157	13	496	2.03	8	5	ND	5	147	.2	2	2	32	.59	.085	33	69	.76	142	.13	11	1.53	.02	.24	1	4
100+00E 84+75N	1	20	11	57	.1	86	11	609	2.08	7	5	ND	7	96	.5	3	2	37	.52	.079	48	51	.65	154	.14	6	1.62	.02	.19	1	2
100+00E 84+50N	1	26	17	65	.1	109	13	701	2.53	8	5	ND	6	92	.3	2	3	44	.64	.117	48	66	.86	166	.13	5	1.55	.02	.20	1	6
100+00E 84+25N	1	23	21	69	.1	144	13	646	2.37	7	5	ND	4	75	.3	2	2	35	.48	.061	35	73	.71	187	.12	5	1.79	.02	.30	1	4
100+00E 84+00N	1	19	15	59	.1	79	10	630	2.13	5	5	ND	4	81	.2	2	2	30	.47	.045	36	50	.54	247	.10	5	1.83	.02	.27	1	1
100+00E 83+75N	1	21	10	69	.1	52	9	720	1.88	6	5	ND	3	80	.4	2	2	27	.63	.063	27	37	.44	294	.07	7	1.51	.02	.32	1	2
100+00E 83+50N	1	27	20	86	.1	67	9	874	2.10	7	5	ND	2	101	.2	2	2	24	.49	.066	24	41	.36	324	.10	8	1.96	.02	.29	2	1
STANDARD C/AU-S	17	58	37	130	6.9	68	30	1050	3.77	40	18	7	36	47	18.3	15	21	58	.49	.096	38	52	.87	174	.10	35	1.85	.06	.13	11	48

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
100+00E 83+25N	1	16	9	34	.1	46	7	560	1.23	2	5	ND	2	48	.3	2	2	22	.40	.051	12	26	.26	132	.05	12	.78	.02	.12	1	1
100+00E 83+00N	1	19	11	60	.1	52	8	654	1.83	4	5	ND	3	57	.2	2	2	33	.43	.054	25	33	.35	167	.08	8	1.53	.02	.11	1	3

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Minnova Inc. PROJECT 661 File # 90-1741 Page 1

3rd floor - 311 Water St., Vancouver BC V6B 1B8 Submitted by: LINDA LEE

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
90+50N 93+25E	1	18	26	64	.2	44	7	604	1.45	11	5	ND	1	106	.4	3	2	26	.67	.083	26	21	.31	217	.08	9	1.68	.02	.12	2	2
90+50N 93+50E	1	14	17	40	.1	113	11	572	1.53	7	5	ND	1	94	.6	2	2	25	.58	.054	16	61	.93	527	.09	5	1.69	.02	.09	3	1
90+50N 93+75E	1	14	24	57	.1	54	8	635	1.73	9	5	ND	1	70	.4	2	2	33	.46	.078	22	28	.38	264	.11	2	2.07	.02	.11	1	1
90+50N 94+25E	1	23	10	104	.1	28	7	1183	1.51	12	5	ND	1	98	.2	2	2	29	.84	.153	16	23	.36	346	.07	2	1.44	.02	.12	1	4
90+50N 94+50E	1	17	16	55	.2	50	8	555	1.73	8	5	ND	2	77	.2	2	2	34	.48	.070	30	27	.36	206	.11	2	1.88	.02	.12	1	1
90+50N 94+75E	1	20	21	57	.2	174	17	632	1.68	22	5	ND	1	84	.2	2	2	29	.64	.102	25	37	.40	189	.08	2	1.58	.02	.11	1	1
90+50N 95+25E	1	18	13	51	.1	61	11	479	1.75	10	5	ND	2	106	.3	2	3	33	.52	.098	39	27	.34	145	.11	2	1.75	.02	.13	1	1
90+50N 95+50E	1	18	25	67	.1	23	7	475	1.87	6	5	ND	4	117	.2	2	2	38	.59	.096	51	19	.31	160	.13	2	1.95	.02	.17	2	2
90+50N 95+75E	1	16	17	49	.1	15	6	486	1.55	5	5	ND	2	157	.2	2	2	30	.65	.089	38	15	.25	160	.10	2	1.69	.02	.12	1	1
90+50N 96+25E	1	16	13	70	.1	15	6	631	1.41	8	5	ND	2	107	.2	2	2	30	.50	.101	35	14	.21	158	.10	2	1.37	.02	.11	1	1
90+50N 96+50E	1	14	10	46	.1	12	4	466	1.14	5	5	ND	1	82	.3	2	2	24	.42	.094	18	10	.18	169	.09	2	1.27	.02	.08	1	1
90+50N 96+75E	1	15	19	60	.1	22	6	457	1.82	3	5	ND	5	112	.2	2	2	37	.49	.086	45	17	.31	192	.14	2	2.17	.02	.13	1	1
90+25N 93+25E	1	14	23	67	.1	48	8	530	1.80	4	5	ND	1	75	.2	2	2	32	.49	.073	27	22	.31	249	.11	2	2.25	.02	.14	1	1
90+25N 93+50E	1	18	19	62	.1	140	13	588	2.10	11	5	ND	3	81	.4	2	2	37	.52	.095	35	36	.50	200	.11	6	1.95	.02	.17	1	3
90+25N 93+75E	1	19	18	86	.1	29	8	763	1.93	10	5	ND	1	63	.4	2	2	41	.51	.113	20	35	.66	193	.09	2	1.78	.02	.11	1	2
90+25N 94+25E	1	23	15	115	.1	44	10	869	2.35	2	5	ND	1	68	.2	2	2	50	.60	.128	24	37	.66	219	.15	2	2.23	.02	.09	1	1
90+25N 94+50E	1	20	16	73	.1	38	8	708	1.99	6	5	ND	3	101	.2	2	3	40	.70	.109	43	29	.44	193	.11	2	1.74	.02	.21	1	2
90+25N 94+75E	1	44	18	79	.2	203	23	731	2.16	22	5	ND	1	84	1.0	2	2	33	.63	.098	28	71	.38	161	.09	3	1.52	.02	.12	1	1
90+25N 95+25E	1	25	148	251	.7	583	52	1295	3.50	52	5	ND	1	74	2.1	2	2	25	.96	.104	12	89	1.14	107	.04	8	1.22	.02	.12	1	9
90+25N 95+50E	1	18	32	87	.1	215	27	781	2.61	15	5	ND	4	61	.9	2	2	39	.44	.099	36	49	.50	141	.11	3	1.82	.02	.16	1	1
90+25N 95+75E	1	21	20	69	.1	32	7	502	1.86	4	5	ND	3	138	.4	2	4	38	.68	.126	53	20	.33	175	.12	2	2.06	.02	.17	1	2
90+25N 96+25E	1	19	19	89	.2	20	7	766	1.99	8	5	ND	3	66	.6	2	2	40	.47	.102	35	20	.34	359	.12	2	2.42	.02	.13	1	4
90+25N 96+50E	1	16	22	62	.1	46	9	626	1.75	2	5	ND	3	90	.4	2	3	33	.57	.077	35	28	.31	255	.12	2	2.02	.02	.18	1	2
90+25N 96+75E	1	17	16	63	.2	18	6	548	1.57	2	5	ND	2	133	.7	2	2	37	.65	.126	39	17	.25	151	.11	2	1.44	.02	.13	1	1
90+00N 93+25E	1	18	31	115	.1	49	8	612	1.80	9	5	ND	2	76	1.1	2	2	32	.56	.082	28	27	.43	217	.11	3	2.18	.02	.14	1	1
90+00N 93+50E	1	17	27	68	.1	38	9	704	2.45	3	5	ND	2	45	.4	3	2	43	.41	.086	31	34	.61	247	.09	2	2.49	.02	.17	1	1
90+00N 93+75E	1	17	13	65	.1	64	9	508	1.66	3	5	ND	2	84	.7	2	2	32	.51	.097	31	32	.37	178	.09	2	1.58	.02	.17	1	2
90+00N 94+25E	1	17	14	61	.1	23	6	485	1.39	10	5	ND	1	86	.7	2	2	26	.56	.131	26	16	.29	164	.09	2	1.65	.02	.13	2	1
90+00N 94+50E	1	18	30	110	.1	36	8	641	1.68	10	5	ND	1	102	.8	2	2	30	.70	.116	31	22	.33	220	.09	3	1.83	.02	.16	1	3
90+00N 94+75E	1	25	25	86	.1	58	10	700	1.96	14	5	ND	2	89	1.1	2	2	40	.64	.120	45	30	.41	163	.10	7	1.80	.02	.18	1	11
90+00N 95+25E	1	22	25	84	.2	136	15	674	1.83	19	5	ND	1	110	.4	2	2	31	.73	.112	31	65	.79	191	.08	6	1.49	.02	.18	1	1
90+00N 95+50E	1	21	23	78	.2	118	15	731	2.17	17	5	ND	2	87	.7	2	2	36	.58	.102	36	54	.73	206	.10	6	1.73	.02	.21	1	2
90+00N 95+75E	1	21	21	72	.2	69	10	540	2.01	5	5	ND	3	113	.4	3	2	40	.67	.119	47	44	.62	181	.11	6	1.70	.02	.19	1	1
90+00N 96+25E	1	19	25	73	.1	72	11	602	2.33	6	5	ND	6	69	.6	2	2	48	.40	.093	50	43	.49	180	.14	2	2.19	.02	.13	1	1
90+00N 96+50E	1	19	17	64	.1	41	9	554	1.78	4	5	ND	2	101	.7	2	3	36	.59	.099	37	24	.33	204	.11	6	1.80	.02	.17	1	1
90+00N 96+75E	1	20	11	57	.1	32	7	585	1.42	4	5	ND	1	120	.5	2	2	27	.62	.130	33	17	.25	196	.09	2	1.58	.02	.13	2	1
STANDARD C/AU-S	18	58	42	135	7.0	67	30	1052	3.81	38	17	7	37	48	19.8	15	18	59	.51	.094	40	55	.90	175	.09	36	1.91	.06	.14	12	47

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 13 1990 **DATE REPORT MAILED:** June 18/90 **SIGNED BY** C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
89+75N 93+25N	1	16	18	69	.2	15	5	516	1.46	6	5	ND	1	71	.6	2	2	26	.57	.081	21	11	.24	202	.09	5	2.02	.02	.12	1	4
89+75N 93+50N	1	20	25	74	.2	35	8	474	1.63	9	5	ND	3	100	.7	2	2	34	.58	.109	37	22	.37	170	.10	3	1.64	.02	.20	1	1
89+75N 93+75N	1	18	9	55	.1	25	7	493	1.55	3	5	ND	2	99	.6	3	2	32	.60	.102	34	20	.32	169	.09	2	1.61	.02	.19	1	1
89+75N 94+25N	1	25	13	72	.1	31	7	569	1.79	8	5	ND	3	102	1.1	2	2	41	.78	.115	44	26	.43	140	.09	2	1.49	.02	.15	1	1
89+75N 94+50N	1	23	3	58	.2	481	39	886	2.46	52	5	ND	1	78	.4	2	2	24	.87	.124	8	265	1.28	152	.04	10	1.10	.02	.08	1	1
89+75N 94+75N	1	26	29	91	1.2	191	17	1584	2.32	116	5	ND	2	61	.2	2	2	35	.57	.084	30	79	.47	159	.10	4	1.76	.02	.15	1	74
89+75N 95+25N	1	18	17	53	.2	117	13	609	1.51	14	5	ND	1	80	.4	2	2	27	.56	.073	23	80	1.10	164	.07	2	1.38	.02	.12	1	42
89+75N 95+50N	1	17	11	62	.2	87	11	503	1.40	11	5	ND	1	92	.4	2	2	27	.55	.086	26	67	.84	154	.07	4	1.33	.02	.13	2	4
89+75N 95+75N	1	19	13	62	.2	82	10	486	1.64	12	5	ND	2	124	.5	2	2	32	.58	.097	32	57	.81	175	.09	2	1.48	.02	.17	1	4
89+75N 96+25N	1	24	18	61	.2	163	14	606	2.37	20	5	ND	5	65	.2	2	2	45	.50	.083	38	98	1.20	194	.11	2	2.02	.02	.14	1	1
89+75N 96+50N	1	19	14	58	.2	54	8	528	1.57	12	5	ND	2	110	.5	2	2	32	.59	.113	32	38	.41	158	.09	6	1.42	.02	.15	1	2
89+75N 96+75N	1	24	22	80	.1	39	8	680	1.61	11	5	ND	1	154	.5	2	2	32	.86	.156	32	29	.44	334	.09	2	1.66	.02	.24	1	1
89+50N 93+25N	1	20	11	75	.3	34	8	720	2.17	14	5	ND	3	64	.8	2	2	39	.56	.089	37	24	.41	174	.10	5	1.91	.02	.22	2	1
89+50N 93+50N	1	21	24	88	.3	27	7	557	1.90	9	5	ND	4	95	.8	2	2	39	.64	.103	41	23	.35	171	.11	4	1.90	.02	.19	1	1
89+50N 93+75N	1	16	7	50	.1	29	6	449	1.53	7	5	ND	2	87	.9	2	2	32	.52	.081	29	22	.31	184	.10	2	1.67	.02	.15	1	1
89+50N 94+25N	1	27	8	82	.2	17	8	1118	2.02	7	5	ND	1	89	.7	2	2	43	.71	.123	21	29	.54	238	.10	2	1.87	.03	.14	1	1
89+50N 94+50N	1	18	13	52	.1	381	36	795	2.49	13	5	ND	1	74	.2	2	2	34	.74	.099	17	235	1.61	184	.06	9	1.25	.02	.11	1	1
89+50N 94+75N	1	20	67	111	3.4	128	14	1366	2.25	52	5	ND	2	59	.9	2	2	30	.55	.080	24	56	.51	152	.08	2	1.57	.02	.15	1	40
89+50N 95+25N	1	18	16	65	.4	138	11	535	1.44	11	5	ND	1	93	.9	2	2	25	.62	.094	20	76	1.13	174	.07	6	1.32	.02	.11	1	2
89+50N 95+50N	1	21	13	63	.2	85	10	511	1.53	9	5	ND	1	99	.7	2	2	29	.65	.100	27	57	.75	181	.07	2	1.44	.02	.14	1	17
89+50N 95+75N	1	21	20	61	.1	80	9	523	1.58	7	5	ND	1	121	.2	2	2	30	.71	.101	28	59	.79	199	.08	7	1.71	.02	.14	1	1
89+50N 96+25N	1	23	20	67	.3	170	16	723	2.48	17	5	ND	4	64	.6	2	2	45	.44	.085	37	124	1.20	170	.10	2	1.80	.02	.17	1	1
89+50N 96+50N	1	19	13	56	.1	33	7	623	1.87	10	5	ND	2	37	.3	2	2	40	.34	.078	20	35	.39	311	.10	2	2.14	.02	.10	1	1
89+50N 96+75N	1	24	19	65	.2	173	15	712	2.41	14	5	ND	4	75	.9	2	2	44	.53	.103	43	101	1.15	207	.10	8	1.88	.02	.14	1	1
89+25N 93+25N	1	17	16	65	.2	20	6	478	1.61	9	5	ND	2	72	.4	2	2	30	.52	.087	27	16	.28	183	.10	9	1.81	.02	.18	1	1
89+25N 93+50N	1	16	17	65	.4	30	6	482	1.60	7	5	ND	2	75	.6	2	2	32	.57	.083	26	22	.33	195	.10	4	1.76	.02	.16	1	4
89+25N 93+75N	1	17	12	77	.3	31	6	510	1.62	9	5	ND	1	102	.6	2	3	32	.65	.096	30	22	.32	189	.09	4	1.68	.02	.16	1	1
89+25N 94+25N	1	20	10	73	.4	31	6	538	1.72	9	5	ND	3	101	.5	2	2	35	.72	.125	34	23	.34	165	.10	12	1.56	.02	.20	1	1
89+25N 94+50N	1	17	19	66	.3	29	6	477	1.47	7	5	ND	1	87	.4	2	2	31	.58	.096	27	21	.29	140	.07	2	1.28	.02	.13	1	1
89+25N 94+75N	1	23	34	99	2.3	43	11	1336	2.61	51	5	ND	3	56	1.0	2	2	39	.54	.076	36	24	.43	152	.09	6	1.74	.02	.18	1	33
89+25N 95+25N	1	20	19	69	.7	116	13	700	1.82	25	5	ND	1	109	.4	2	2	30	.70	.097	29	73	.94	217	.08	12	1.71	.02	.14	1	5
89+25N 95+50N	1	19	22	66	.3	93	9	525	1.74	12	5	ND	1	115	.8	2	2	33	.73	.103	32	58	.74	182	.08	9	1.53	.02	.16	1	1
89+25N 95+75N	1	20	17	85	.4	89	10	521	1.62	14	5	ND	1	119	.8	2	2	29	.73	.105	28	56	.73	193	.08	2	1.62	.02	.17	1	6
89+25N 96+25N	1	19	14	63	.2	72	8	487	1.51	8	5	ND	1	137	.5	2	3	29	.70	.090	24	51	.68	167	.07	12	1.54	.02	.11	1	3
89+25N 96+50N	1	19	16	59	.4	120	13	699	2.15	16	5	ND	4	69	.6	2	2	39	.45	.073	33	87	.95	191	.10	10	1.67	.02	.17	1	4
89+25N 96+75N	1	23	19	77	.4	168	17	699	2.35	15	5	ND	4	82	1.1	2	3	42	.56	.102	44	98	.92	199	.09	12	1.58	.02	.17	1	4
STANDARD C/AU-S	18	58	40	134	7.0	68	30	1047	3.78	42	18	7	37	48	19.1	15	17	59	.50	.097	38	55	.89	171	.09	31	1.89	.06	.13	11	54

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
89+00N 93+25E	1	26	22	88	.2	28	10	901	3.12	15	5	ND	3	82	.5	2	2	52	.66	.119	34	48	.69	307	.09	2	2.52	.03	.29	1	2
89+00N 93+50E	1	25	17	73	.1	44	9	645	2.69	9	5	ND	7	90	.2	2	2	50	.54	.112	53	37	.56	209	.10	4	1.99	.03	.15	1	7
89+00N 93+75E	1	28	31	103	1.0	43	10	773	2.57	23	5	ND	5	70	.2	2	3	38	.52	.082	35	34	.44	227	.12	2	2.32	.03	.20	1	1
89+00N 94+25E	1	28	21	78	.2	68	11	838	2.74	12	5	ND	6	90	.2	2	3	44	.58	.095	44	42	.52	186	.11	4	2.06	.03	.23	1	9
89+00N 94+50E	1	20	12	80	.2	14	7	1142	1.73	14	5	ND	1	47	.2	2	2	24	.56	.073	11	12	.23	185	.06	2	1.33	.03	.10	2	1
89+00N 94+75E	1	23	18	76	.4	98	12	883	2.59	15	5	ND	8	77	.2	2	2	39	.58	.069	33	38	.49	176	.11	13	2.04	.03	.20	1	1
89+00N 95+25E	1	27	17	68	.3	69	9	594	1.82	14	5	ND	2	130	.3	2	3	30	.79	.102	32	44	.51	199	.07	2	1.53	.03	.14	1	1
89+00N 95+50E	1	25	19	73	.4	66	9	540	1.80	11	5	ND	2	117	.3	2	3	30	.71	.085	32	52	.55	196	.08	11	1.61	.03	.15	1	4
89+00N 95+75E	1	22	15	75	.3	71	9	526	1.78	9	5	ND	2	134	.3	2	2	29	.75	.098	31	56	.62	192	.08	5	1.68	.03	.16	2	3
89+00N 96+25E	1	25	16	83	.3	113	12	625	2.06	13	5	ND	3	108	.2	2	2	31	.65	.104	30	80	.82	201	.10	6	2.11	.03	.17	2	1
89+00N 96+50E	1	18	15	70	.1	86	11	548	1.92	2	5	ND	3	75	.2	2	2	29	.44	.087	23	66	.59	176	.09	2	1.83	.03	.18	1	2
89+00N 96+75E	1	25	13	56	.2	110	12	544	1.90	9	5	ND	3	230	.2	2	3	29	.97	.077	29	76	.99	207	.08	7	1.57	.04	.17	1	1
88+75N 94+25E	1	27	25	124	1.6	62	11	996	2.94	26	5	ND	6	64	.6	2	2	43	.43	.075	42	41	.51	191	.11	2	2.32	.03	.22	1	1
88+75N 94+50E	1	22	79	236	3.2	26	12	2722	3.27	79	5	ND	2	44	1.4	2	3	32	.52	.074	19	18	.43	215	.07	2	2.26	.03	.16	1	120
88+75N 94+75E	1	33	142	286	7.9	20	13	2542	3.47	143	5	ND	1	51	2.3	3	4	25	.60	.084	11	11	.33	129	.03	3	1.44	.03	.14	1	103
88+75N 95+25E	1	26	16	80	.3	61	9	666	1.70	11	5	ND	2	114	.2	2	2	26	.75	.090	26	39	.42	197	.07	2	1.36	.03	.14	2	3
88+75N 95+50E	1	26	14	66	.2	66	9	544	1.92	10	5	ND	3	118	.2	2	2	33	.77	.102	33	55	.57	182	.08	3	1.38	.03	.17	2	1
88+75N 95+75E	1	22	16	74	.1	53	8	547	1.74	11	5	ND	2	131	.3	2	2	29	.82	.102	33	37	.43	173	.07	2	1.45	.03	.14	2	1
88+75N 96+25E	1	12	17	67	.3	74	10	554	1.99	8	5	ND	3	116	.4	2	3	32	.65	.089	32	64	.57	201	.10	2	1.92	.03	.16	2	1
88+75N 96+50E	1	17	12	70	.1	146	23	1135	2.93	2	5	ND	1	50	.3	2	2	27	.52	.098	8	376	.92	117	.06	2	1.21	.03	.08	1	1
88+75N 96+75E	1	24	10	56	.3	102	11	499	1.73	5	5	ND	2	262	.3	2	2	24	.91	.086	22	77	1.51	175	.07	14	1.47	.05	.19	1	3
88+50N 93+25E	1	27	29	102	1.2	57	10	634	2.63	18	5	ND	5	143	.3	2	2	45	.82	.123	47	41	.60	189	.10	12	1.84	.03	.25	1	10
88+50N 93+75E	1	36	113	321	7.6	62	15	1609	3.40	100	5	ND	5	77	1.6	2	2	35	.75	.076	33	41	.49	220	.09	6	2.11	.03	.35	1	158
88+50N 94+25E	1	29	41	137	2.9	57	12	1214	3.11	47	5	ND	5	63	.7	2	2	41	.53	.071	38	38	.45	192	.11	2	2.28	.03	.26	1	34
88+50N 94+50E	1	47	268	236	30.5	29	20	3481	3.96	445	5	ND	3	47	1.6	7	3	31	.59	.077	21	20	.34	183	.07	2	2.07	.03	.20	1	470
88+50N 94+75E	1	28	64	145	5.8	52	14	1355	3.42	57	5	ND	6	62	.8	2	2	47	.50	.095	37	38	.55	172	.10	3	2.05	.03	.23	1	98
88+50N 95+25E	1	14	16	69	.4	113	13	673	1.56	12	5	ND	1	73	.2	2	2	20	.52	.075	13	84	.83	195	.05	2	1.07	.03	.13	2	22
88+50N 95+50E	1	16	12	55	.1	39	7	495	1.51	4	5	ND	1	109	.2	2	2	26	.63	.085	22	34	.38	194	.07	2	1.41	.03	.10	1	1
88+50N 95+75E	1	19	13	67	.1	40	7	506	1.64	3	5	ND	1	121	.2	2	2	28	.67	.084	26	37	.44	203	.07	2	1.55	.03	.13	2	4
88+50N 96+25E	1	14	18	66	.3	104	15	768	2.58	5	5	ND	4	80	.3	2	2	36	.49	.086	32	133	.74	201	.10	2	1.97	.03	.15	1	7
88+50N 96+50E	1	23	17	65	.3	56	8	543	1.91	8	5	ND	2	187	.3	2	2	33	.79	.099	34	49	.59	185	.08	5	1.70	.04	.15	2	4
88+50N 96+75E	1	21	18	73	.2	120	17	756	2.42	7	5	ND	4	121	.4	2	2	34	.71	.101	35	117	.90	182	.09	4	1.56	.03	.21	1	1
88+25N 93+25E	1	21	24	90	1.0	42	8	602	2.00	11	5	ND	4	180	.4	2	2	33	.66	.102	35	27	.39	178	.09	2	1.60	.03	.24	1	1
88+25N 93+50E	1	23	41	153	2.2	52	10	929	2.09	41	5	ND	3	118	.9	2	2	28	.64	.088	25	29	.38	166	.07	4	1.46	.03	.20	1	46
88+25N 93+75E	1	18	24	68	.6	384	32	1353	3.27	39	5	ND	2	70	.4	2	2	27	.66	.074	8	332	3.49	186	.05	6	1.62	.02	.15	1	41
88+25N 94+25E	1	18	28	71	.8	641	55	789	3.01	41	5	ND	2	64	.3	2	2	26	.60	.072	14	441	4.65	229	.05	8	1.37	.02	.15	1	1
STANDARD C/AU-S	18	57	38	131	7.1	70	31	1031	3.94	36	20	7	38	53	19.3	15	20	56	.50	.086	38	58	.91	180	.09	31	1.90	.05	.13	11	54

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
88+25N 94+50E	1	24	45	123	3.6	42	16	1707	3.31	57	5	ND	2	61	.7	3	4	28	.77	.077	18	28	.48	161	.06	4	1.67	.02	.20	1	140
88+25N 94+75E	1	21	51	137	7.2	34	14	2172	3.24	85	5	ND	2	58	.7	2	2	26	.72	.074	16	19	.48	213	.05	3	1.64	.02	.21	1	160
88+25N 95+25E	1	15	18	59	.2	75	12	809	2.18	16	5	ND	2	79	.2	2	2	29	.51	.068	25	55	.50	232	.09	6	2.02	.03	.18	1	10
88+25N 95+50E	1	19	13	62	.2	60	10	639	1.86	8	5	ND	1	150	.2	2	2	30	.72	.097	27	43	.45	238	.08	5	1.62	.03	.12	1	4
88+25N 95+75E	1	15	11	65	.1	64	10	604	2.12	10	5	ND	3	115	.2	2	2	36	.67	.092	37	61	.58	195	.09	5	1.68	.03	.16	1	1
88+25N 96+25E	1	22	16	75	.1	38	7	563	1.93	5	5	ND	2	169	.2	2	2	33	.82	.110	35	36	.40	194	.09	6	1.93	.03	.15	1	1
88+25N 96+50E	1	21	11	69	.1	49	8	613	1.78	10	5	ND	1	179	.3	2	2	30	.92	.124	32	37	.44	188	.07	6	1.77	.03	.14	1	1
88+25N 96+75E	1	17	18	67	.3	92	13	685	2.34	13	5	ND	4	110	.3	2	2	36	.60	.081	35	86	.68	201	.11	5	1.99	.03	.17	1	4
88+00N 93+25E	1	17	31	113	1.7	33	7	665	1.76	31	5	ND	2	150	.5	2	2	26	.69	.103	29	19	.36	203	.08	4	1.74	.03	.18	1	19
88+00N 93+50E	1	17	16	84	.4	33	6	472	1.47	15	5	ND	1	187	.2	2	2	23	.76	.085	21	20	.41	143	.07	6	1.39	.03	.16	1	3
88+00N 93+75E	1	42	32	89	.2	198	20	1224	2.73	24	5	ND	2	88	.3	2	2	32	.76	.144	26	126	1.04	305	.07	9	1.58	.03	.19	1	6
88+00N 94+25E	1	15	14	64	.4	401	38	853	3.09	31	5	ND	2	71	.3	3	2	26	.57	.071	13	267	2.83	176	.07	13	1.37	.03	.15	1	10
88+00N 94+50E	1	20	24	94	.7	76	11	1014	2.52	13	5	ND	4	93	.3	2	2	41	.69	.096	33	55	.63	150	.09	10	1.38	.03	.18	1	10
88+00N 94+75E	1	47	23	93	.3	81	14	1151	2.80	14	5	ND	4	74	.3	2	2	42	.63	.082	27	50	.52	336	.09	5	1.86	.03	.16	1	3
88+00N 95+25E	1	17	13	54	.1	65	10	616	1.89	4	5	ND	2	78	.3	2	2	30	.51	.079	23	42	.38	195	.09	2	1.71	.03	.12	2	3
88+00N 95+50E	1	15	12	53	.2	68	10	600	1.68	10	5	ND	2	71	.2	2	2	26	.51	.078	16	44	.37	147	.08	4	1.58	.03	.08	1	3
88+00N 95+75E	1	15	10	56	.1	95	16	693	1.66	5	5	ND	1	84	.2	2	2	20	.64	.088	12	55	.46	159	.07	4	1.47	.03	.11	1	2
88+00N 96+25E	1	17	13	61	.1	66	11	587	2.05	6	5	ND	2	118	.4	2	2	31	.65	.082	29	73	.56	213	.09	2	1.80	.03	.15	1	1
88+00N 96+50E	1	19	12	65	.1	45	8	553	1.91	7	5	ND	2	164	.2	2	2	33	.84	.110	37	47	.45	193	.08	4	1.72	.03	.14	1	1
88+00N 96+75E	1	21	14	72	.1	44	8	595	1.95	2	5	ND	2	147	.6	2	2	34	.80	.117	37	44	.44	190	.09	4	1.78	.03	.15	1	1
87+75N 93+25E	1	19	16	74	.3	57	9	594	1.96	8	5	ND	2	137	.3	2	3	32	.69	.095	36	28	.43	186	.08	4	1.70	.03	.19	1	1
87+75N 93+50E	1	15	13	78	.3	39	7	531	1.65	12	5	ND	1	120	.3	2	2	26	.64	.086	27	22	.34	186	.08	2	1.61	.03	.17	1	8
87+75N 93+75E	1	19	13	81	.1	53	8	608	1.65	14	5	ND	2	129	.3	2	2	26	.77	.096	25	29	.34	210	.07	8	1.52	.03	.15	1	1
87+75N 94+25E	1	20	17	69	.2	136	16	749	2.53	13	5	ND	4	73	.3	2	2	35	.51	.072	32	87	.61	240	.11	5	2.13	.03	.18	1	3
87+75N 94+50E	1	20	14	75	.2	92	12	615	2.67	10	5	ND	7	92	.2	2	2	48	.59	.100	44	62	.63	143	.10	6	1.47	.03	.20	1	2
87+75N 94+75E	1	27	13	72	.2	190	20	805	3.19	4	5	ND	6	76	.2	2	2	43	.45	.093	38	131	.87	216	.11	5	2.00	.03	.20	1	3
87+75N 95+25E	1	13	9	47	.1	134	18	684	2.48	2	5	ND	3	54	.2	2	2	28	.35	.062	19	95	.53	199	.11	2	2.00	.03	.14	1	2
87+75N 95+50E	1	13	11	55	.1	270	27	838	2.53	2	5	ND	2	50	.2	2	2	27	.47	.098	11	145	.55	171	.09	2	1.65	.04	.06	1	2
87+75N 95+75E	1	15	4	69	.1	231	30	786	2.24	9	5	ND	2	61	.2	3	2	25	.58	.088	8	143	.77	142	.07	2	1.16	.03	.07	1	1
87+75N 96+25E	1	15	14	50	.3	67	10	602	1.90	2	5	ND	2	95	.2	2	2	28	.54	.057	22	46	.43	213	.09	2	1.92	.03	.10	1	3
87+75N 96+50E	1	20	14	61	.1	50	10	609	2.11	2	5	ND	4	152	.2	2	2	36	.75	.099	42	52	.50	169	.10	2	1.80	.03	.15	1	1
87+75N 96+75E	1	20	13	73	.1	48	9	605	2.07	2	5	ND	3	147	.2	2	2	35	.74	.108	39	52	.45	179	.10	4	1.80	.03	.17	1	4
87+50N 93+25E	1	13	14	79	.4	49	8	584	1.95	4	5	ND	3	112	.4	2	2	30	.59	.088	28	27	.42	244	.11	5	2.29	.03	.19	1	3
87+50N 93+50E	1	15	19	80	.1	55	10	653	2.45	2	5	ND	5	81	.3	2	2	39	.50	.088	38	37	.45	302	.12	3	2.19	.03	.22	1	3
87+50N 93+75E	1	29	28	78	.2	33	10	1140	2.51	7	5	ND	3	98	.4	2	2	45	.73	.109	45	33	.48	414	.06	3	1.84	.03	.28	1	4
87+50N 94+25E	1	15	11	66	.1	44	7	518	1.64	3	5	ND	1	97	.4	2	2	26	.59	.091	26	27	.32	181	.08	2	1.54	.03	.18	1	3
STANDARD C/AU-S	19	57	38	132	7.2	72	31	1026	3.95	39	22	7	39	53	19.6	16	19	57	.51	.087	38	58	.91	181	.09	33	1.94	.05	.13	13	45

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
87+50N 94+50E	1	20	11	76	.2	69	10	633	2.36	6	5	ND	5	94	.2	2	2	38	.55	.087	38	44	.45	191	.12	6	2.05	.03	.19	1	7
87+50N 94+75E	1	29	16	67	.2	94	13	729	2.47	10	5	ND	5	90	.2	2	2	37	.58	.094	36	66	.57	237	.11	2	2.02	.03	.25	1	3
87+50N 95+25E	1	24	13	64	.1	248	18	742	2.93	8	5	ND	4	70	.2	2	2	42	.55	.086	30	97	.74	231	.11	10	2.11	.03	.24	1	1
87+50N 95+50E	1	40	17	70	.1	1162	57	1351	4.78	29	5	ND	2	62	.5	2	2	35	.42	.140	14	298	2.11	196	.09	2	2.01	.03	.10	1	9
87+50N 95+75E	1	21	9	76	.1	482	34	971	3.36	11	5	ND	3	50	.2	2	2	33	.38	.109	22	112	.71	188	.09	2	1.93	.03	.13	1	2
87+50N 96+25E	1	21	14	64	.2	57	10	591	1.74	6	5	ND	2	119	.2	2	2	27	.69	.090	28	50	.50	173	.07	2	1.52	.03	.14	1	3
87+50N 96+50E	1	19	14	60	.2	60	10	622	1.73	6	5	ND	2	86	.2	2	2	25	.53	.075	22	43	.37	165	.08	6	1.62	.03	.10	1	1
87+50N 96+75E	1	21	8	72	.1	179	21	905	2.33	9	5	ND	2	55	.2	2	2	25	.44	.098	14	95	.53	125	.08	2	1.18	.03	.10	1	1
87+25N 93+25E	1	26	15	70	.2	90	11	803	2.24	10	5	ND	2	75	.2	2	2	35	.61	.085	27	50	.52	231	.09	2	1.96	.03	.21	1	2
87+25N 93+50E	1	19	15	71	.2	68	8	579	1.83	10	5	ND	2	128	.3	2	2	28	.66	.077	30	32	.47	204	.08	4	1.70	.03	.19	1	1
87+25N 93+75E	1	23	12	64	.2	61	9	586	2.10	4	5	ND	4	126	.2	2	2	34	.74	.077	38	33	.56	206	.09	5	1.79	.03	.24	1	1
87+25N 94+25E	1	21	10	70	.2	51	8	574	1.98	7	5	ND	3	107	.2	2	2	33	.66	.097	33	34	.40	199	.10	2	1.78	.03	.17	1	1
87+25N 94+50E	1	23	13	77	.2	38	7	567	1.56	7	5	ND	2	95	.2	2	2	25	.63	.090	23	22	.28	209	.07	2	1.60	.03	.16	1	1
87+25N 94+75E	1	25	15	65	.3	79	10	641	2.21	18	5	ND	4	89	.2	2	2	35	.63	.096	36	42	.47	186	.10	2	1.94	.03	.22	1	2
87+25N 95+25E	1	21	12	63	.2	88	11	740	2.50	8	5	ND	4	82	.2	2	2	41	.54	.093	31	50	.56	285	.10	4	1.76	.03	.24	1	2
87+25N 95+50E	1	37	14	66	.2	164	17	1159	3.11	11	5	ND	2	76	.4	2	2	47	.71	.088	24	92	1.23	429	.08	2	2.06	.02	.23	1	1
87+25N 95+75E	1	48	8	79	.3	532	37	1059	3.55	11	5	ND	2	94	.4	2	2	27	.66	.159	11	339	3.94	271	.05	16	1.59	.02	.18	1	3
87+25N 96+25E	1	16	14	69	.1	189	15	736	2.11	9	5	ND	3	73	.3	2	2	28	.54	.091	23	55	.49	184	.10	2	1.72	.03	.18	1	1
87+25N 96+50E	1	13	11	49	.1	52	8	550	1.60	6	5	ND	1	85	.2	2	2	25	.57	.098	20	28	.32	163	.08	3	1.47	.03	.15	1	1
87+25N 96+75E	1	23	16	66	.2	51	9	594	2.03	9	5	ND	2	107	.3	2	2	34	.68	.097	34	42	.46	180	.10	5	1.84	.03	.13	1	1
87+00N 93+25E	1	27	12	72	.2	68	10	885	2.38	9	5	ND	3	78	.2	2	2	34	.65	.080	33	42	.56	240	.09	4	2.15	.03	.25	1	1
87+00N 93+50E	1	27	18	72	.2	127	13	735	2.68	14	5	ND	5	66	.2	2	2	40	.51	.080	40	60	.67	178	.10	2	1.83	.03	.23	1	3
87+00N 93+75E	1	25	19	80	.2	135	12	758	2.30	13	5	ND	2	97	.2	2	3	31	.68	.078	31	55	.63	204	.09	5	1.94	.03	.20	1	1
87+00N 94+25E	1	22	13	70	.2	59	9	681	2.17	5	5	ND	3	99	.2	2	2	34	.68	.106	36	32	.43	233	.10	3	1.74	.03	.23	1	2
87+00N 94+50E	1	41	33	86	.4	39	11	1468	2.89	22	5	ND	3	47	.4	2	2	33	.61	.076	25	22	.33	314	.11	3	2.44	.03	.22	1	4
87+00N 94+75E	1	13	22	69	.3	43	8	594	1.96	7	5	ND	1	94	.3	2	2	31	.60	.092	29	24	.34	241	.09	2	2.18	.03	.21	1	1
87+00N 95+25E	1	20	12	66	.2	48	8	581	1.97	8	5	ND	3	105	.2	2	2	31	.61	.093	31	28	.36	215	.11	2	2.06	.03	.21	1	1
87+00N 95+50E	1	30	14	68	.3	79	11	804	2.18	8	5	ND	3	81	.2	2	2	32	.63	.102	30	48	.50	283	.09	4	1.79	.03	.23	1	1
87+00N 95+75E	1	33	17	76	.1	320	24	952	3.35	16	5	ND	4	66	.3	2	2	36	.48	.074	21	71	.76	275	.08	5	2.03	.03	.26	1	1
87+00N 96+25E	1	17	11	67	.2	254	23	786	2.81	11	5	ND	3	69	.3	2	2	29	.47	.109	21	124	.91	189	.09	8	1.69	.03	.14	1	4
87+00N 96+50E	1	15	13	52	.1	70	9	573	1.66	10	5	ND	1	92	.2	2	2	25	.57	.096	23	32	.34	200	.08	5	1.67	.03	.21	1	5
87+00N 96+75E	1	15	13	65	.1	65	9	590	2.03	10	5	ND	1	108	.3	2	2	33	.64	.108	35	45	.42	166	.09	3	1.61	.03	.15	1	1
86+75N 93+25E	1	19	12	61	.1	56	8	669	1.62	8	5	ND	1	84	.2	2	2	23	.71	.080	17	38	.39	218	.07	2	1.71	.03	.14	1	1
86+75N 93+50E	1	30	10	67	.2	21	9	1158	1.65	10	5	ND	1	57	.3	2	2	24	.95	.098	10	16	.22	290	.06	2	1.50	.03	.10	1	4
86+75N 93+75E	1	24	10	78	.1	61	8	682	1.69	9	5	ND	1	102	.2	2	2	24	.77	.094	22	31	.42	215	.07	2	1.57	.03	.17	1	2
86+75N 94+25E	1	33	18	92	.2	56	10	1194	2.24	13	5	ND	2	70	.5	2	2	30	.69	.094	22	24	.31	210	.08	4	1.73	.03	.14	1	1
STANDARD C/AU-S	18	56	38	132	7.2	71	31	1033	3.97	41	20	7	37	53	19.3	15	19	57	.51	.084	38	58	.92	181	.09	39	1.95	.05	.14	12	49

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
86+75N 94+50E	1	25	23	89	.3	18	9	1554	2.83	12	5	ND	2	54	.7	2	2	30	.73	.075	18	12	.33	332	.10	3	2.48	.02	.16	1	14
86+75N 94+75E	1	19	22	78	.2	63	10	666	2.33	10	5	ND	5	85	.4	2	3	37	.64	.098	37	35	.47	214	.11	7	2.01	.02	.24	1	4
86+75N 95+25E	1	17	12	65	.1	40	7	517	1.78	4	5	ND	2	102	.2	2	2	29	.61	.083	29	23	.33	206	.10	6	1.90	.03	.17	1	2
86+75N 95+50E	1	23	13	68	.2	58	8	573	1.97	8	5	ND	3	98	.2	2	2	31	.57	.085	32	29	.37	218	.10	5	1.96	.03	.21	1	1
86+75N 95+75E	1	23	23	85	.2	56	12	685	3.24	9	5	ND	5	71	.2	2	2	43	.61	.109	51	55	.77	673	.11	5	2.32	.02	.34	1	1
86+75N 96+25E	1	23	15	62	.1	233	17	657	2.55	11	5	ND	4	65	.2	2	2	36	.42	.082	34	75	.67	216	.10	5	1.84	.03	.15	1	1
86+75N 96+50E	1	12	12	57	.1	122	12	607	2.09	6	5	ND	3	81	.2	2	2	32	.49	.080	30	46	.50	206	.10	4	1.85	.02	.17	1	1
86+75N 96+75E	1	19	14	66	.1	128	11	613	1.89	5	5	ND	1	80	.2	2	2	28	.52	.116	23	47	.45	170	.08	3	1.62	.03	.15	1	1
86+50N 93+25E	1	21	22	84	.2	55	11	868	2.62	7	5	ND	4	69	.4	2	2	38	.53	.077	30	37	.45	306	.12	2	2.41	.02	.21	1	2
86+50N 93+50E	1	28	18	69	.2	36	12	1068	2.49	6	5	ND	2	37	.2	2	2	37	.52	.056	19	23	.31	454	.10	3	2.20	.03	.19	1	1
86+50N 93+75E	1	30	14	79	.2	102	14	944	2.74	8	5	ND	3	68	.3	2	2	41	.64	.081	37	55	.67	228	.09	7	1.94	.02	.20	1	4
86+50N 94+25E	1	15	11	70	.2	63	9	722	1.97	8	5	ND	2	83	.2	2	2	29	.64	.079	25	29	.36	229	.10	6	1.98	.03	.18	1	2
86+50N 94+50E	1	17	14	81	.1	83	10	743	2.25	10	5	ND	3	73	.2	2	2	32	.54	.075	30	36	.43	231	.11	5	2.13	.02	.19	1	2
86+50N 94+75E	1	21	12	88	.2	44	12	1271	2.51	5	5	ND	2	59	.2	2	2	34	.63	.082	21	22	.33	151	.10	5	2.04	.02	.17	1	1
86+50N 95+25E	1	15	12	73	.1	51	8	558	1.98	3	5	ND	3	102	.2	2	2	32	.62	.083	31	28	.37	214	.11	7	2.00	.03	.17	1	3
86+50N 95+50E	1	17	12	69	.2	54	8	543	1.98	5	5	ND	4	95	.3	2	3	31	.58	.083	30	29	.36	219	.11	5	1.98	.03	.19	1	1
86+50N 95+75E	1	34	11	65	.2	280	23	1080	2.47	6	5	ND	1	77	.2	2	2	24	.60	.095	14	67	.80	263	.07	7	1.60	.03	.17	1	1
86+50N 96+25E	1	20	15	62	.1	172	15	714	2.74	11	5	ND	6	62	.2	2	2	39	.39	.055	35	59	.70	243	.13	3	2.57	.03	.18	1	2
86+50N 96+50E	1	21	13	63	.2	302	20	730	2.95	22	5	ND	4	66	.2	4	2	41	.48	.081	35	104	1.22	233	.10	2	2.14	.02	.17	1	11
86+50N 96+75E	1	19	17	68	.1	136	13	635	2.42	14	5	ND	4	71	.2	2	2	37	.45	.075	33	59	.65	190	.11	4	1.95	.03	.15	1	1
86+25N 93+25E	1	21	13	70	.2	51	9	749	2.17	7	5	ND	3	68	.2	2	2	33	.49	.075	31	29	.39	212	.10	2	1.83	.02	.15	1	1
86+25N 93+50E	1	24	15	75	.2	52	10	811	2.21	4	5	ND	3	73	.2	2	2	33	.61	.078	27	28	.37	303	.10	2	2.01	.02	.18	1	1
86+25N 93+75E	1	24	10	68	.2	52	10	785	2.25	3	5	ND	4	54	.2	2	2	34	.47	.071	28	30	.37	309	.11	4	2.12	.02	.18	1	1
86+25N 94+25E	1	24	12	65	.2	57	9	741	1.94	7	5	ND	2	82	.2	2	2	28	.64	.071	25	33	.42	227	.09	4	1.93	.02	.17	1	2
86+25N 94+50E	1	20	14	78	.2	73	11	1008	2.81	4	5	ND	4	49	.2	2	2	38	.42	.059	32	41	.47	237	.12	3	2.50	.02	.20	1	59
86+25N 94+75E	1	26	11	70	.2	99	11	708	2.50	13	5	ND	5	63	.2	2	2	37	.49	.073	36	46	.58	194	.11	4	2.15	.02	.19	1	4
86+25N 95+25E	1	20	10	69	.1	61	8	538	1.85	2	5	ND	2	97	.2	2	2	29	.61	.095	32	30	.42	194	.09	3	1.62	.02	.18	2	1
86+25N 95+50E	1	15	10	69	.1	48	8	554	1.81	6	5	ND	1	99	.2	2	2	29	.64	.091	28	25	.35	214	.09	3	1.77	.03	.17	1	1
86+25N 95+75E	1	22	10	73	.1	54	9	638	2.09	8	5	ND	3	83	.2	2	2	32	.63	.084	31	33	.40	344	.10	4	1.99	.02	.21	1	1
86+25N 96+25E	1	24	14	66	.1	551	31	826	3.09	24	5	ND	4	65	.2	2	2	36	.45	.075	27	91	1.03	156	.09	5	1.89	.02	.19	1	2
86+25N 96+50E	1	13	14	53	.2	88	9	531	1.63	13	5	ND	2	87	.2	2	2	24	.57	.063	20	29	.38	181	.08	2	1.48	.02	.12	1	1
86+25N 96+75E	1	18	9	57	.3	139	12	578	2.22	7	5	ND	2	72	.2	2	2	31	.45	.102	28	53	.51	223	.11	2	2.28	.03	.17	1	1
86+00N 93+25E	1	24	10	60	.2	55	8	585	1.92	4	5	ND	2	116	.4	2	2	32	.67	.092	32	33	.46	199	.08	2	1.56	.02	.17	1	1
86+00N 93+50E	1	22	9	60	.1	48	8	650	1.97	3	5	ND	2	125	.4	2	2	32	.72	.087	30	32	.42	277	.09	2	1.72	.02	.19	1	2
86+00N 93+75E	1	31	12	70	.2	49	10	780	2.45	5	5	ND	3	66	.2	2	2	35	.55	.070	29	30	.41	265	.09	2	1.93	.02	.21	1	1
86+00N 94+25E	1	20	10	66	.2	61	9	758	2.13	3	5	ND	3	85	.3	2	2	31	.58	.075	29	36	.48	245	.10	2	2.12	.02	.18	1	1
STANDARD C/AU-S	18	57	36	132	7.2	71	31	1029	3.97	39	21	7	38	53	19.2	15	19	57	.51	.085	38	59	.92	182	.09	33	1.96	.05	.14	11	48

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
86+00N 94+50E	1	22	15	76	.2	54	10	977	2.22	9	5	ND	4	72	.2	2	2	33	.56	.081	28	33	.42	233	.10	2	1.95	.02	.21	1	1
86+00N 94+75E	1	24	15	71	.1	71	11	801	2.39	2	5	ND	4	71	.2	2	2	36	.53	.088	34	39	.48	197	.10	2	1.91	.02	.20	1	3
86+00N 95+25E	1	19	12	73	.1	51	8	554	1.67	10	5	ND	1	95	.2	2	2	25	.69	.081	23	25	.36	234	.08	4	1.89	.03	.14	1	1
86+00N 95+50E	1	15	9	56	.1	53	8	594	1.70	5	5	ND	2	83	.2	2	2	26	.72	.081	19	23	.33	260	.08	2	1.93	.03	.15	1	2
86+00N 95+75E	1	21	10	72	.1	41	7	586	1.57	7	5	ND	1	88	.2	2	2	24	.69	.074	19	19	.29	246	.08	2	1.76	.03	.14	1	1
86+00N 96+25E	1	19	17	55	.1	276	17	553	1.89	2	5	ND	2	82	.3	2	3	24	.57	.089	17	67	1.00	151	.07	5	1.24	.02	.16	1	4
86+00N 96+50E	1	19	14	63	.1	459	31	781	2.56	18	5	ND	1	71	.2	4	2	23	.53	.108	12	125	1.12	162	.07	4	1.21	.02	.14	1	2
85+75N 93+25E	1	21	13	64	.1	64	9	600	1.89	12	5	ND	2	96	.2	2	2	29	.71	.093	29	33	.45	198	.08	3	1.63	.03	.17	2	4
85+75N 93+50E	1	17	14	68	.1	59	9	617	1.90	9	5	ND	1	102	.2	2	3	30	.71	.086	26	32	.43	214	.09	2	1.86	.03	.13	2	1
85+75N 93+75E	1	25	12	68	.1	54	9	624	1.78	6	5	ND	1	142	.2	2	3	28	.73	.087	28	29	.43	227	.08	2	1.62	.03	.19	1	1
85+75N 94+25E	1	25	14	71	.3	63	10	744	1.93	11	5	ND	2	116	.2	2	2	30	.71	.099	30	31	.43	214	.08	10	1.51	.02	.18	1	4
85+75N 94+50E	1	25	12	76	.1	52	10	815	2.13	7	5	ND	2	68	.2	2	3	31	.55	.080	26	29	.36	228	.09	10	1.93	.02	.18	1	3
85+75N 94+75E	1	30	15	78	.2	42	10	953	2.20	5	5	ND	3	71	.2	2	2	33	.60	.090	28	27	.35	263	.11	8	2.21	.03	.17	1	6
85+75N 95+25E	1	38	8	59	.2	19	8	971	1.58	6	5	ND	1	48	.2	2	2	26	.76	.094	12	12	.21	458	.06	2	1.54	.03	.11	1	1
85+75N 95+50E	1	20	17	72	.2	33	7	798	1.80	10	5	ND	1	55	.2	2	2	27	.41	.082	19	21	.29	215	.09	2	1.96	.02	.14	1	1
85+75N 95+75E	1	23	13	69	.2	51	10	862	2.24	2	5	ND	3	55	.2	2	2	32	.51	.068	26	30	.37	248	.11	2	2.38	.03	.15	1	2
85+75N 96+25E	1	25	16	83	.1	126	14	1107	2.12	14	5	ND	2	82	.2	2	2	28	.58	.088	24	34	.44	289	.09	14	1.74	.03	.18	1	1
STANDARD C/AU-S	18	58	37	132	7.4	71	31	1029	3.93	38	24	7	38	53	19.3	15	22	57	.51	.087	38	58	.91	181	.09	33	1.93	.05	.13	11	49

COMP: MINNOVA INC.
PROJ: 661 RAINBOW TAM
ATTN: I.PIRIE/L.LEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0676-SJ1
DATE: 90/06/15
* SOIL * (ACT:F31)

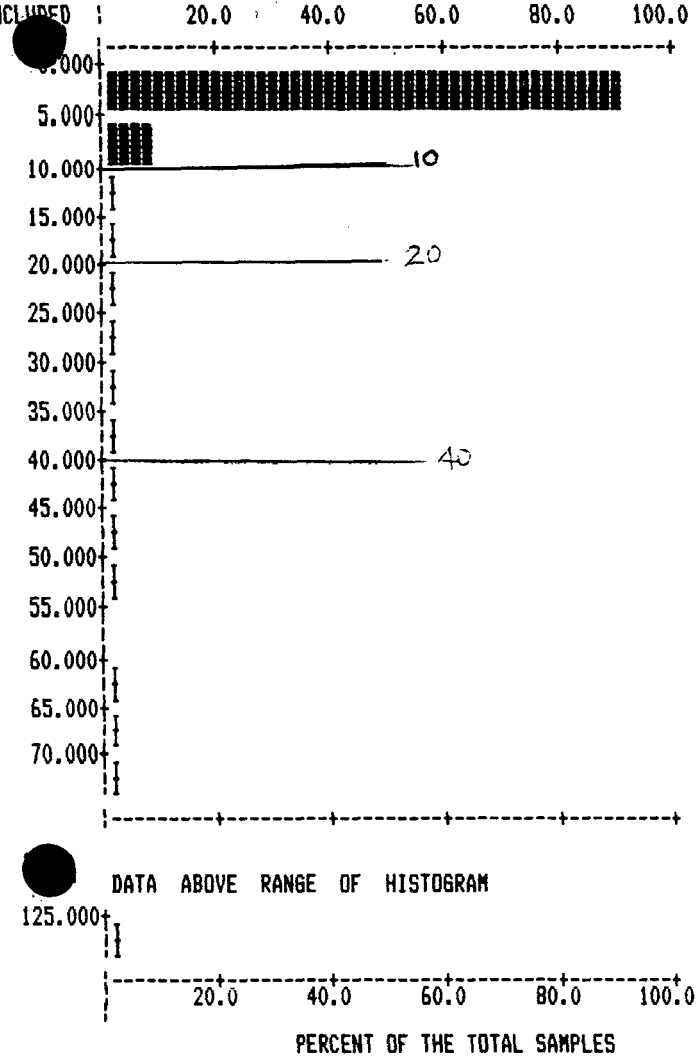
SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	K PPM	MN PPM	MO PPM	NA PPM	NI PPM	PB PPM	SB PPM	ZN PPM	CR PPM	AU PPB
87+00E 88+50N	.5	1	17	830	475	1	250	36	43	1	34	22	5
88+00E 89+00N	.5	2	13	660	455	1	230	33	56	1	78	15	5
88+00E 97+25N	.4	1	22	1870	594	1	240	6	36	1	59	6	10
89+00E 97+75N	.5	1	15	1850	362	1	210	3	27	1	54	6	5
90+00E 94+00N	.5	1	16	1090	455	1	230	9	22	1	45	9	5
91+00E 85+50N	.6	1	20	1450	476	1	220	17	17	1	37	12	10
91+00E 90+75N	.5	1	15	1640	390	1	180	7	23	1	53	11	5
95+00E 90+75N	.7	1	14	1740	434	1	230	9	24	1	41	13	5
98+00E 87+25N	.9	1	18	1120	532	1	240	26	25	1	43	20	5
98+25E 83+00N	.9	1	19	1820	639	1	190	33	22	1	47	20	5

APPENDIX IV

SOIL GEOCHEMISTRY - HISTOGRAMS AND ANOMALOUS THRESHOLDS

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : AU

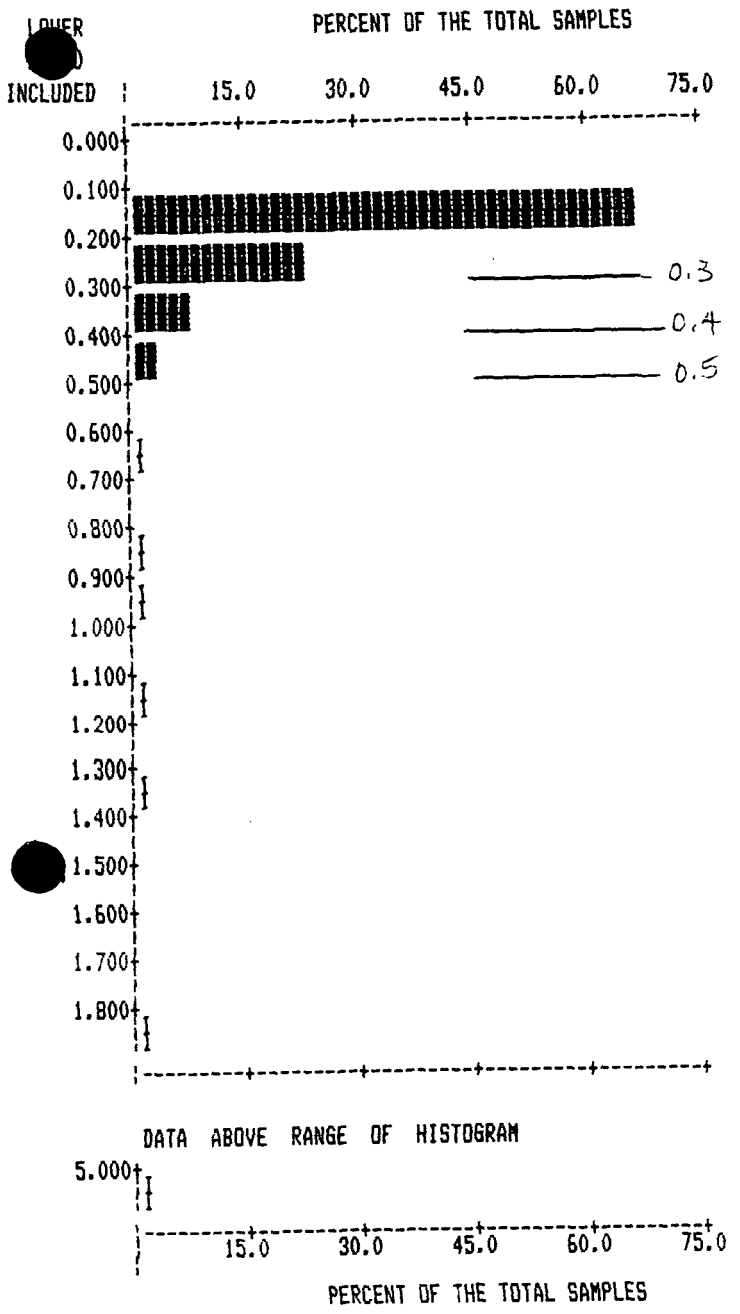


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
0.000			0.00	0.000
5.000	1319	89.00	89.00	5.000
10.000	116	7.83	96.83	10.000
15.000	14	0.94	97.77	15.000
20.000	13	0.88	98.65	20.000
25.000	2	0.13	98.79	25.000
30.000	3	0.20	98.99	30.000
35.000	2	0.13	99.12	35.000
40.000	2	0.13	99.26	40.000
45.000	2	0.13	99.39	45.000
50.000	1	0.07	99.46	50.000
55.000	1	0.07	99.53	55.000
60.000	0	0.00	99.53	60.000
65.000	2	0.13	99.66	65.000
70.000	1	0.07	99.73	70.000
	1	0.07		
125.000	3	0.20	99.80	125.000

VARIABLE:	AU
NUMBER OF OBSERVATIONS:	1482
MINIMUM:	1.000
MAXIMUM:	193.000
MEAN:	3.168
STANDARD ERROR OF MEAN:	0.229
STANDARD DEVIATION:	8.817
COEFFICIENT OF VARIATION:	278.300
SKEWNESS:	14.059
KURTOSIS:	245.798

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : AG

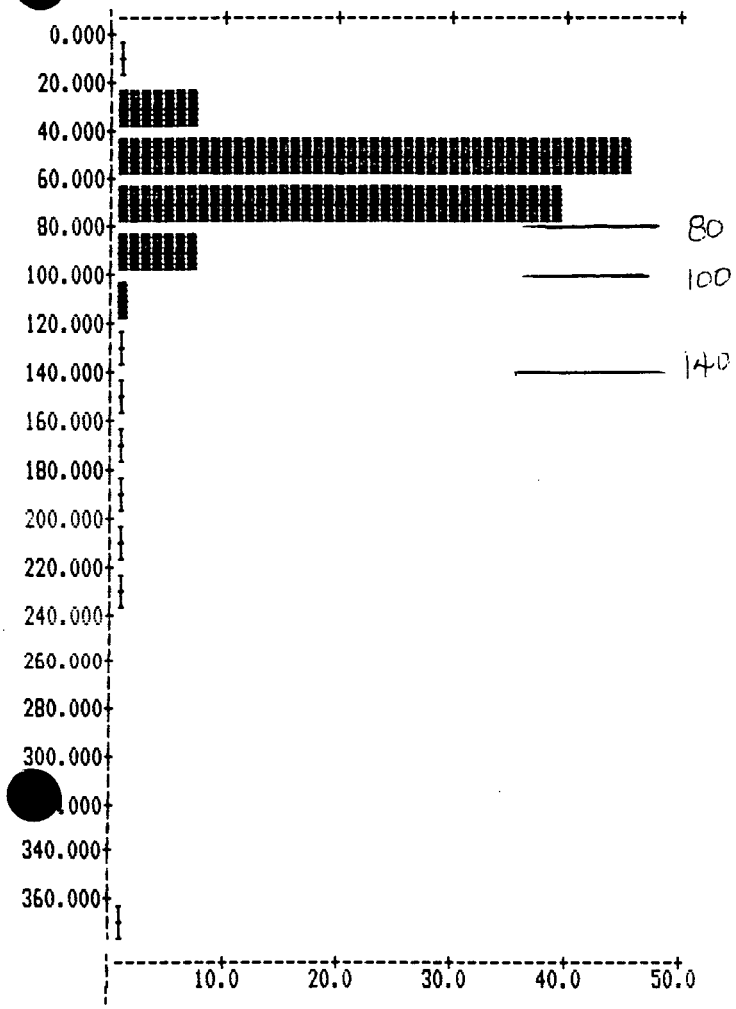


NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
		0.00	0.000
0	0.00	0.00	0.100
1049	66.10	66.10	0.200
349	21.99	88.09	0.300
119	7.50	95.59	0.400
51	3.21	98.80	0.500
0	0.00	98.80	0.600
12	0.76	99.56	0.700
0	0.00	99.56	0.800
2	0.13	99.68	0.900
1	0.06	99.75	1.000
0	0.00	99.75	1.100
1	0.06	99.81	1.200
0	0.00	99.81	1.300
1	0.06	99.87	1.400
0	0.00	99.87	1.500
0	0.00	99.87	1.600
0	0.00	99.87	1.700
0	0.00	99.87	1.800
1	0.06		
		99.94	5.000
1	0.06		

VARIABLE:	AG
NUMBER OF OBSERVATIONS:	1587
MINIMUM:	0.100
MAXIMUM:	5.700
MEAN:	0.159
STANDARD ERROR OF MEAN:	0.005
STANDARD DEVIATION:	0.180
COEFFICIENT OF VARIATION:	112.731
SKEWNESS:	19.742
KURTOSIS:	574.032

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : ZN

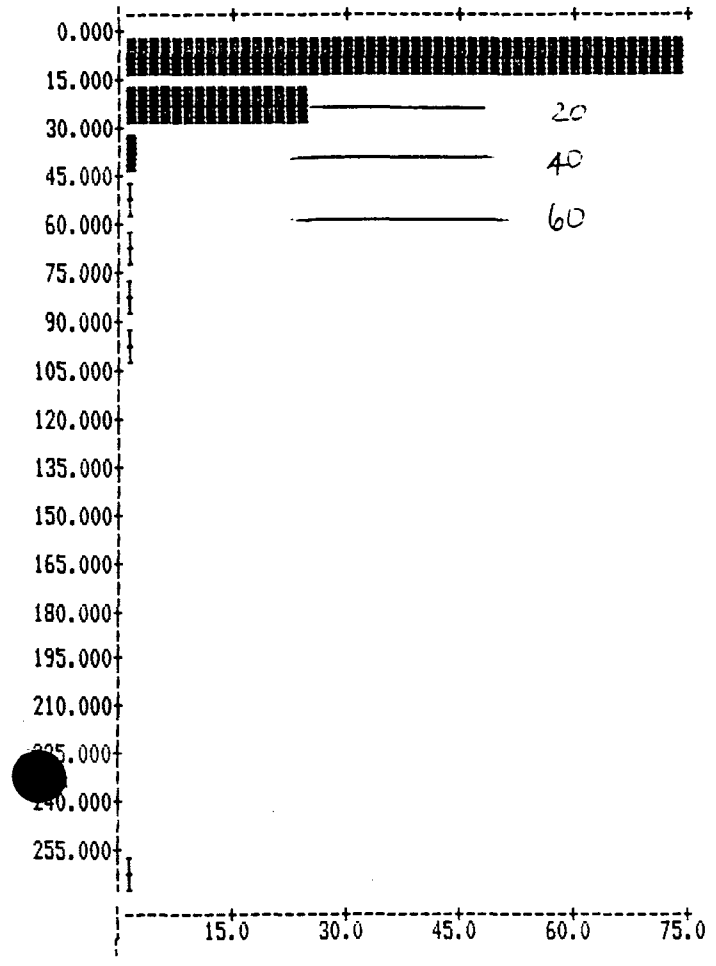


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	1	0.06	0.06	20.000
20.000	104	6.55	6.62	40.000
40.000	719	45.31	51.92	60.000
60.000	614	38.69	90.61	80.000
80.000	115	7.25	97.86	100.000
100.000	21	1.32	99.18	120.000
120.000	4	0.25	99.43	140.000
140.000	4	0.25	99.68	160.000
160.000	1	0.06	99.75	180.000
180.000	1	0.06	99.81	200.000
200.000	1	0.06	99.87	220.000
220.000	1	0.06	99.94	240.000
240.000	0	0.00	99.94	260.000
260.000	0	0.00	99.94	280.000
280.000	0	0.00	99.94	300.000
300.000	0	0.00	99.94	320.000
320.000	0	0.00	99.94	340.000
340.000	0	0.00	99.94	360.000
360.000	1	0.06		

VARIABLE:	ZN
NUMBER OF OBSERVATIONS:	1587
MINIMUM:	1.000
MAXIMUM:	375.000
MEAN:	60.278
STANDARD ERROR OF MEAN:	0.479
STANDARD DEVIATION:	19.090
COEFFICIENT OF VARIATION:	31.671
SKEWNESS:	4.401
KURTOSIS:	54.958

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : PB

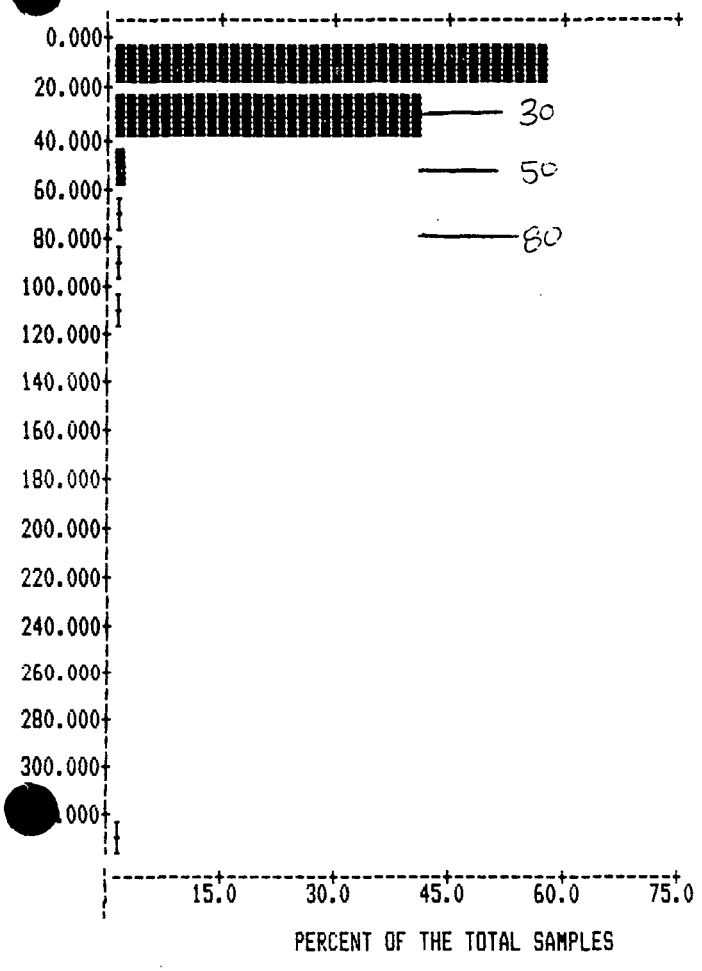


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	1170	73.72	73.72	15.000
15.000	383	24.13	97.86	30.000
30.000	27	1.70	99.56	45.000
45.000	3	0.19	99.75	60.000
60.000	1	0.06	99.81	75.000
75.000	1	0.06	99.87	90.000
90.000	1	0.06	99.94	105.000
105.000	0	0.00	99.94	120.000
120.000	0	0.00	99.94	135.000
135.000	0	0.00	99.94	150.000
150.000	0	0.00	99.94	165.000
165.000	0	0.00	99.94	180.000
180.000	0	0.00	99.94	195.000
195.000	0	0.00	99.94	210.000
210.000	0	0.00	99.94	225.000
225.000	0	0.00	99.94	240.000
240.000	0	0.00	99.94	255.000
255.000	1	0.06		

VARIABLE:	PB
NUMBER OF OBSERVATIONS:	1587
MINIMUM:	2.000
MAXIMUM:	269.000
MEAN:	12.272
STANDARD ERROR OF MEAN:	0.234
STANDARD DEVIATION:	9.341
COEFFICIENT OF VARIATION:	76.115
SKEWNESS:	14.390
KURTOSIS:	365.902

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : CU

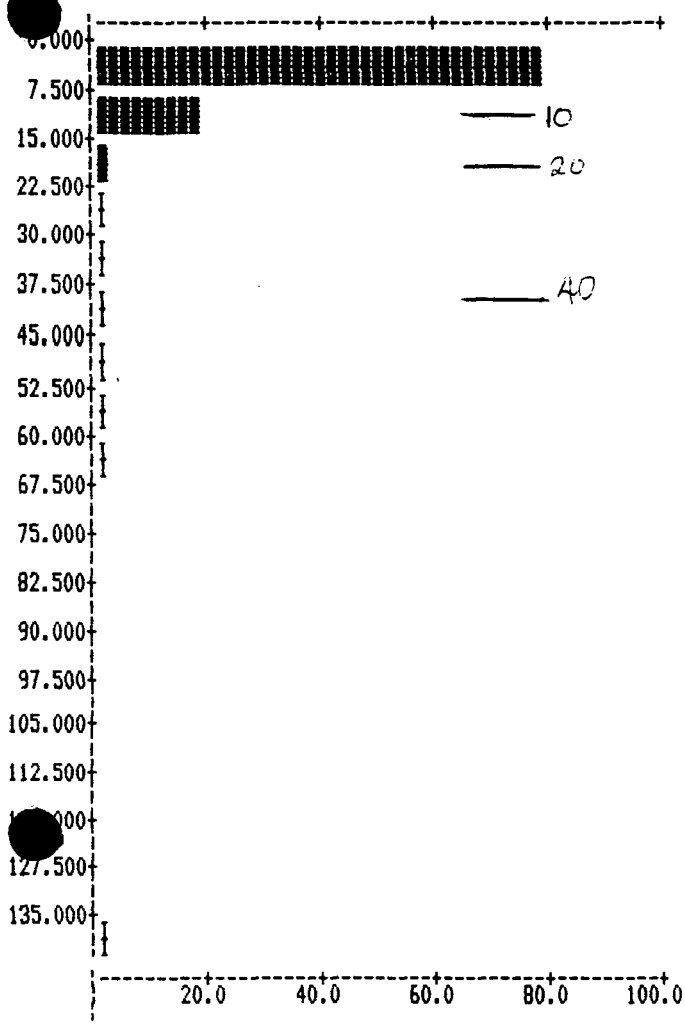


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	903	56.90	56.90	20.000
20.000	644	40.58	97.48	40.000
40.000	30	1.89	99.37	60.000
60.000	6	0.38	99.75	80.000
80.000	2	0.13	99.87	100.000
100.000	1	0.06	99.94	120.000
120.000	0	0.00	99.94	140.000
140.000	0	0.00	99.94	160.000
160.000	0	0.00	99.94	180.000
180.000	0	0.00	99.94	200.000
200.000	0	0.00	99.94	220.000
220.000	0	0.00	99.94	240.000
240.000	0	0.00	99.94	260.000
260.000	0	0.00	99.94	280.000
280.000	0	0.00	99.94	300.000
300.000	0	0.00	99.94	320.000
[illegible]000	1	0.06		

VARIABLE:	CU
NUMBER OF OBSERVATIONS:	1587
MINIMUM:	1.000
MAXIMUM:	335.000
MEAN:	20.132
STANDARD ERROR OF MEAN:	0.286
STANDARD DEVIATION:	11.393
COEFFICIENT OF VARIATION:	56.591
SKEWNESS:	14.388
KURTOSIS:	370.103

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : AS

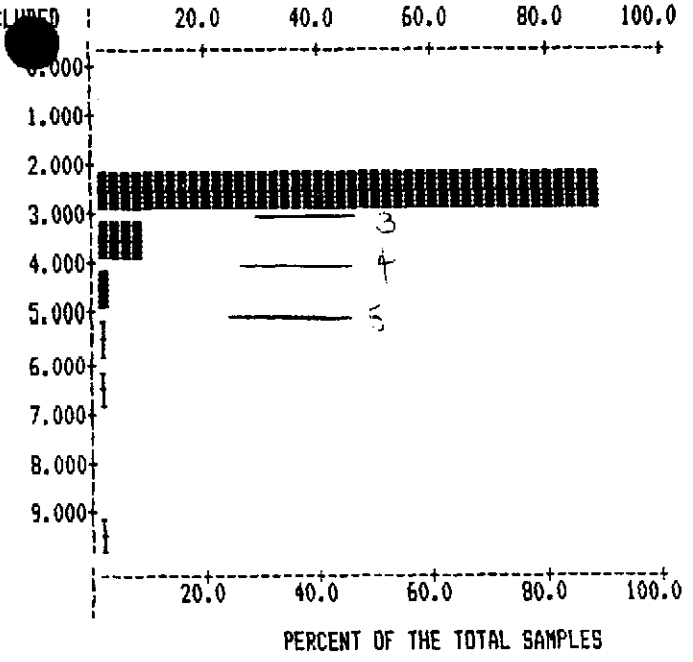


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
7.500	1146	77.33	77.33	7.500
15.000	281	18.96	96.29	15.000
22.500	31	2.09	98.38	22.500
30.000	12	0.81	99.19	30.000
37.500	6	0.40	99.60	37.500
45.000	1	0.07	99.66	45.000
52.500	2	0.13	99.80	52.500
60.000	1	0.07	99.87	60.000
67.500	1	0.07	99.93	67.500
75.000	0	0.00	99.93	75.000
82.500	0	0.00	99.93	82.500
90.000	0	0.00	99.93	90.000
97.500	0	0.00	99.93	97.500
105.000	0	0.00	99.93	105.000
112.500	0	0.00	99.93	112.500
120.000	0	0.00	99.93	120.000
127.500	0	0.00	99.93	127.500
135.000	0	0.00	99.93	135.000
	1	0.07		

VARIABLE:	AS
NUMBER OF OBSERVATIONS:	1482
MINIMUM:	2.000
MAXIMUM:	140.000
MEAN:	6.202
STANDARD ERROR OF MEAN:	0.155
STANDARD DEVIATION:	5.958
COEFFICIENT OF VARIATION:	96.070
SKEWNESS:	10.208
KURTOSIS:	186.725

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : SB

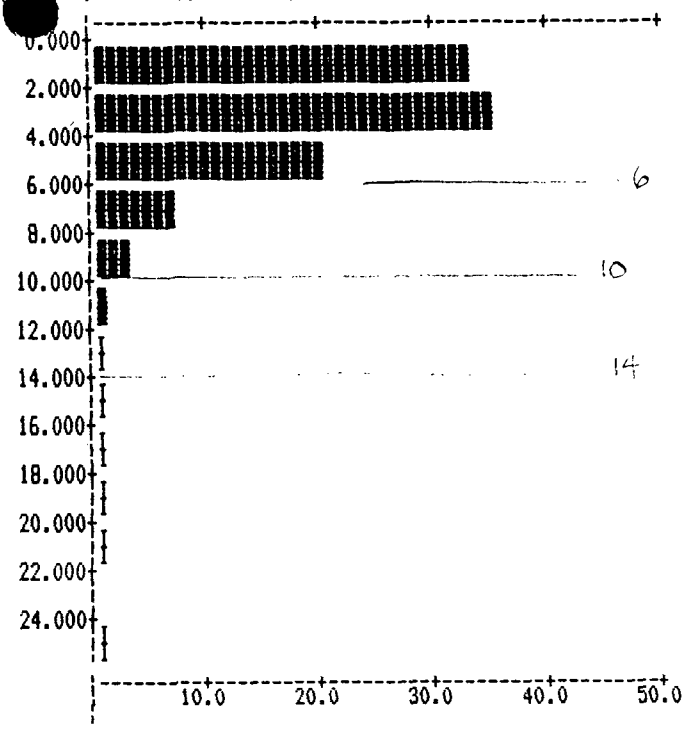


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
1.000	0	0.00	0.00	1.000
2.000	0	0.00	0.00	2.000
3.000	1310	88.39	88.39	3.000
4.000	118	7.96	96.36	4.000
5.000	38	2.56	98.92	5.000
6.000	11	0.74	99.66	6.000
7.000	4	0.27	99.93	7.000
8.000	0	0.00	99.93	8.000
9.000	0	0.00	99.93	9.000
	1	0.07		

VARIABLE:	SB
NUMBER OF OBSERVATIONS:	1482
MINIMUM:	2.000
MAXIMUM:	9.000
MEAN:	2.169
STANDARD ERROR OF MEAN:	0.014
STANDARD DEVIATION:	0.545
COEFFICIENT OF VARIATION:	25.128
SKEWNESS:	4.537
KURTOSIS:	29.373

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : TH

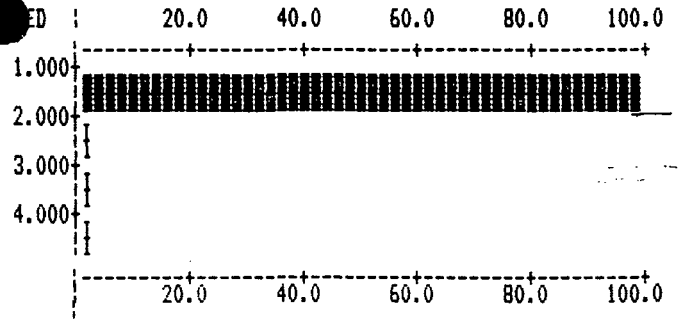


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	483	32.59	32.59	2.000
2.000	515	34.75	67.34	4.000
4.000	292	19.70	87.04	6.000
6.000	102	6.88	93.93	8.000
8.000	41	2.77	96.69	10.000
10.000	22	1.48	98.18	12.000
12.000	10	0.67	98.85	14.000
14.000	5	0.34	99.19	16.000
16.000	3	0.20	99.39	18.000
18.000	4	0.27	99.66	20.000
20.000	3	0.20	99.87	22.000
22.000	0	0.00	99.87	24.000
24.000	2	0.13		

VARIABLE:	TH
NUMBER OF OBSERVATIONS:	1482
MINIMUM:	1.000
MAXIMUM:	25.000
MEAN:	3.156
STANDARD ERROR OF MEAN:	0.072
STANDARD DEVIATION:	2.764
COEFFICIENT OF VARIATION:	87.577
SKEWNESS:	2.751
KURTOSIS:	11.915

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : MO

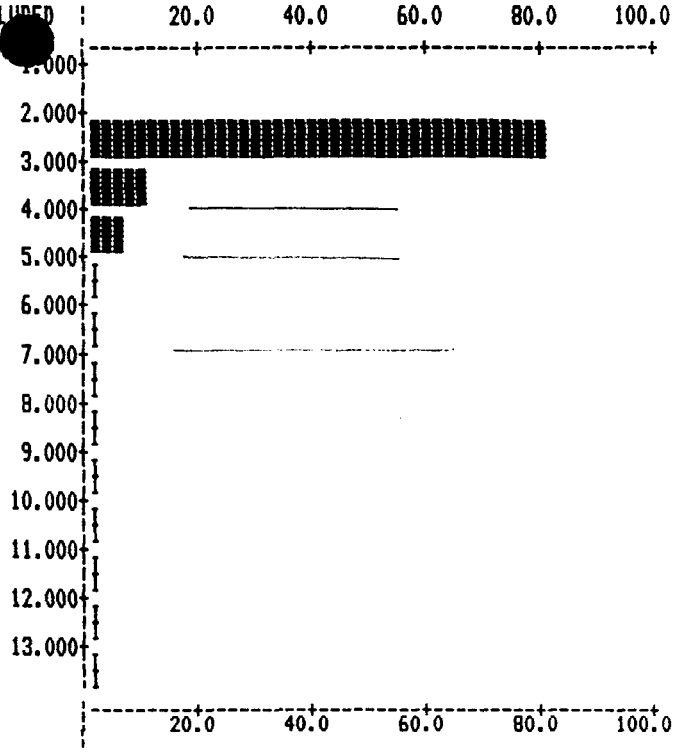


NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
		0.00	1.000
1560	98.30	98.30	2.000
22	1.39	99.68	3.000
3	0.19	99.87	4.000
2	0.13		

VARIABLE:	MO
NUMBER OF OBSERVATIONS:	1587
MINIMUM:	1.000
MAXIMUM:	4.000
MEAN:	1.021
STANDARD ERROR OF MEAN:	0.005
STANDARD DEVIATION:	0.180
COEFFICIENT OF VARIATION:	17.603
SKEWNESS:	10.482
KURTOSIS:	131.801

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : BI

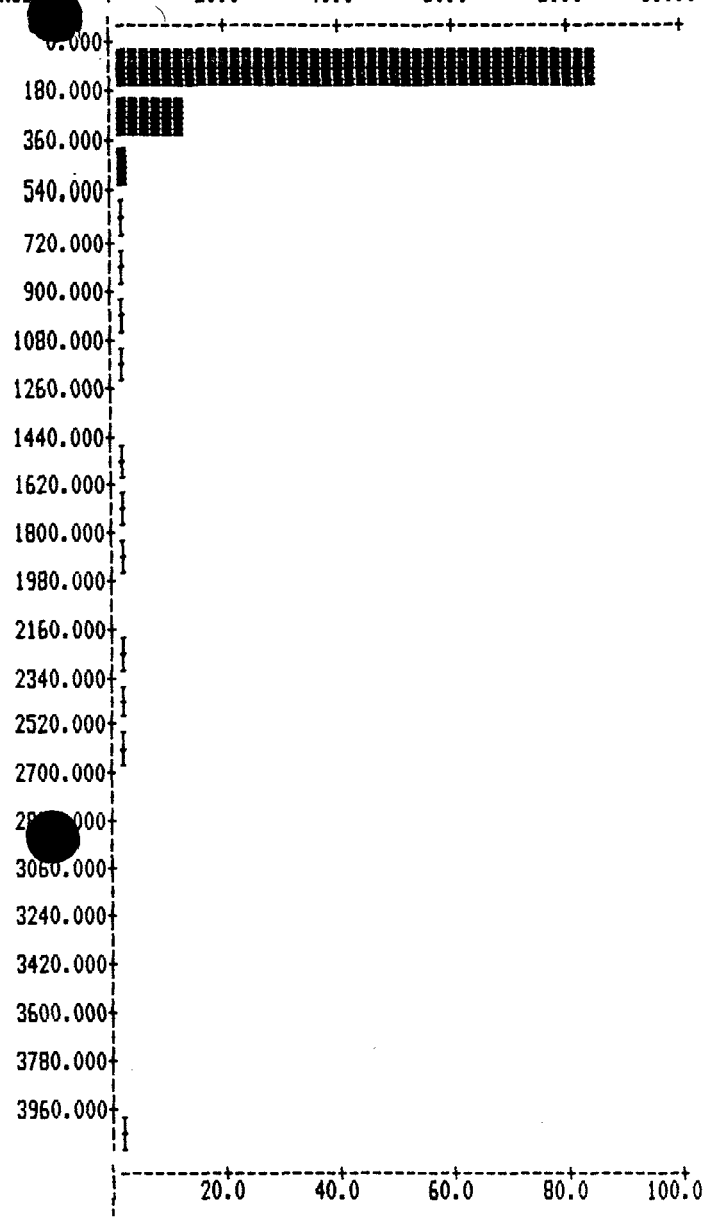


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	1.000
2.000	0	0.00	0.00	2.000
3.000	1175	79.28	79.28	3.000
4.000	135	9.11	88.39	4.000
5.000	83	5.60	93.99	5.000
6.000	28	1.89	95.88	6.000
7.000	18	1.21	97.10	7.000
8.000	17	1.15	98.25	8.000
9.000	5	0.34	98.58	9.000
10.000	5	0.34	98.92	10.000
11.000	5	0.34	99.26	11.000
12.000	4	0.27	99.53	12.000
13.000	4	0.27	99.80	13.000
	3	0.20		

VARIABLE:	BI
NUMBER OF OBSERVATIONS:	1482
MINIMUM:	2.000
MAXIMUM:	13.000
MEAN:	2.510
STANDARD ERROR OF MEAN:	0.036
STANDARD DEVIATION:	1.394
COEFFICIENT OF VARIATION:	55.539
SKEWNESS:	4.108
KURTOSIS:	20.195

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : SR

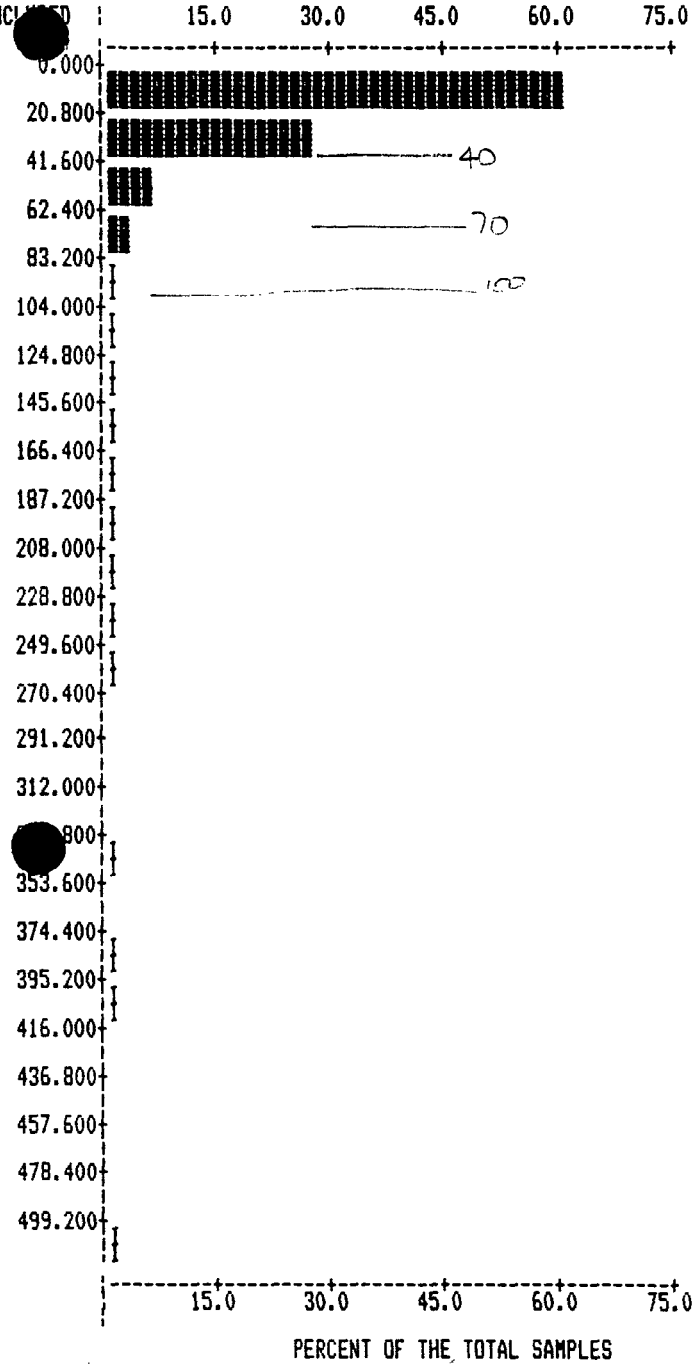


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
180.000	1238	83.54	83.54	180.000
360.000	177	11.94	95.48	360.000
540.000	36	2.43	97.91	540.000
720.000	12	0.81	98.72	720.000
900.000	3	0.20	98.92	900.000
1080.000	3	0.20	99.12	1080.000
1260.000	6	0.40	99.53	1260.000
1440.000	0	0.00	99.53	1440.000
1620.000	1	0.07	99.60	1620.000
1800.000	1	0.07	99.66	1800.000
1980.000	1	0.07	99.73	1980.000
2160.000	0	0.00	99.73	2160.000
2340.000	1	0.07	99.80	2340.000
2520.000	1	0.07	99.87	2520.000
2700.000	1	0.07	99.93	2700.000
[illegible]000	0	0.00	99.93	2880.000
3060.000	0	0.00	99.93	3060.000
3240.000	0	0.00	99.93	3240.000
3420.000	0	0.00	99.93	3420.000
3600.000	0	0.00	99.93	3600.000
3780.000	0	0.00	99.93	3780.000
3960.000	1	0.07		

VARIABLE:	SR
NUMBER OF OBSERVATIONS:	1482
MINIMUM:	2.000
MAXIMUM:	4127.000
MEAN:	139.111
STANDARD ERROR OF MEAN:	5.353
STANDARD DEVIATION:	206.056
COEFFICIENT OF VARIATION:	148.123
SK[illegible]ESS:	9.607
KU[illegible]IS:	134.387

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : CR

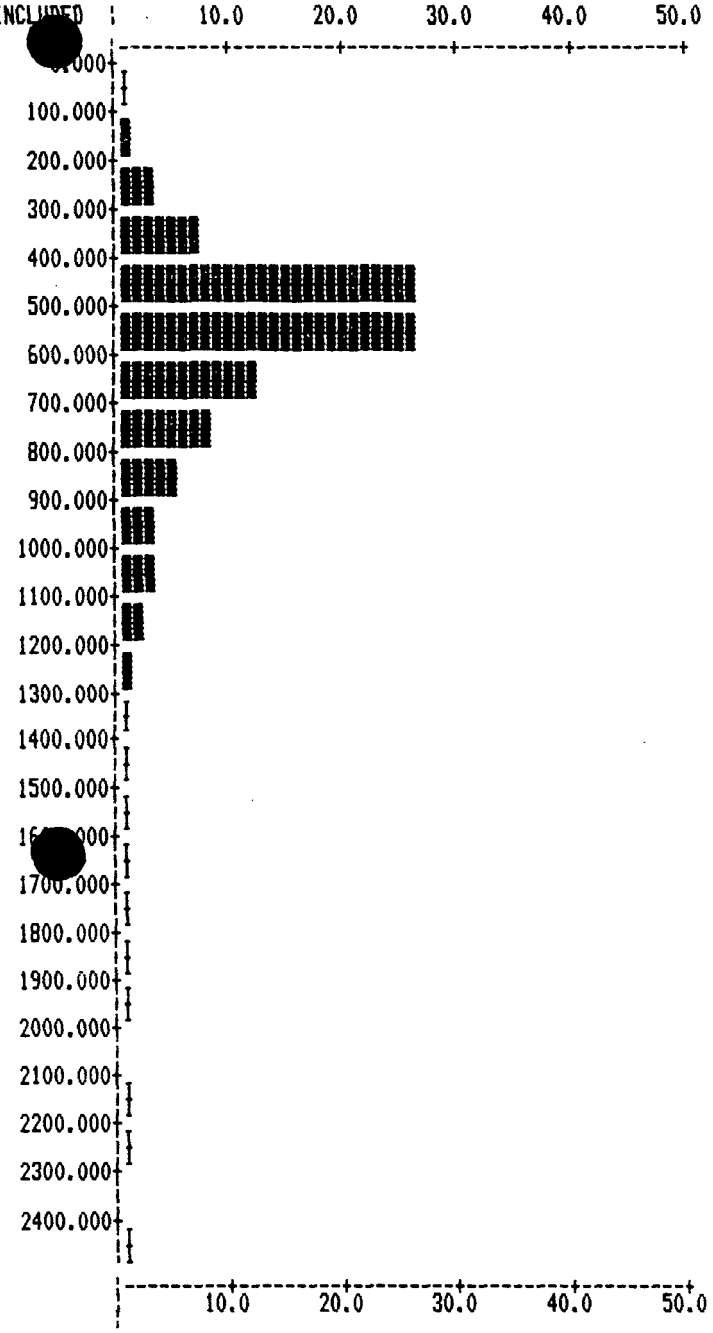


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
0.000			0.00	0.000
20.800	896	60.46	60.46	20.800
41.600	405	27.33	87.79	41.600
62.400	100	6.75	94.53	62.400
83.200	34	2.29	96.83	83.200
104.000	14	0.94	97.77	104.000
124.800	9	0.61	98.38	124.800
145.600	5	0.34	98.72	145.600
166.400	2	0.13	98.85	166.400
187.200	3	0.20	99.06	187.200
208.000	3	0.20	99.26	208.000
228.800	2	0.13	99.39	228.800
249.600	3	0.20	99.60	249.600
270.400	2	0.13	99.73	270.400
291.200	0	0.00	99.73	291.200
312.000	0	0.00	99.73	312.000
[illegible]800	0	0.00	99.73	332.800
353.600	1	0.07	99.80	353.600
374.400	0	0.00	99.80	374.400
395.200	1	0.07	99.87	395.200
416.000	1	0.07	99.93	416.000
436.800	0	0.00	99.93	436.800
457.600	0	0.00	99.93	457.600
478.400	0	0.00	99.93	478.400
499.200	0	0.00	99.93	499.200
	1	0.07		

VARIABLE:	CR
NUMBER OF OBSERVATIONS:	1482
MINIMUM:	1.000
MAXIMUM:	513.000
MEAN:	25.965
STANDARD ERROR OF MEAN:	0.858
STANDARD DEVIATION:	33.041
COEFFICIENT OF VARIATION:	127.253
SKEWNESS:	6.845
KURTOSIS:	67.718

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : MN

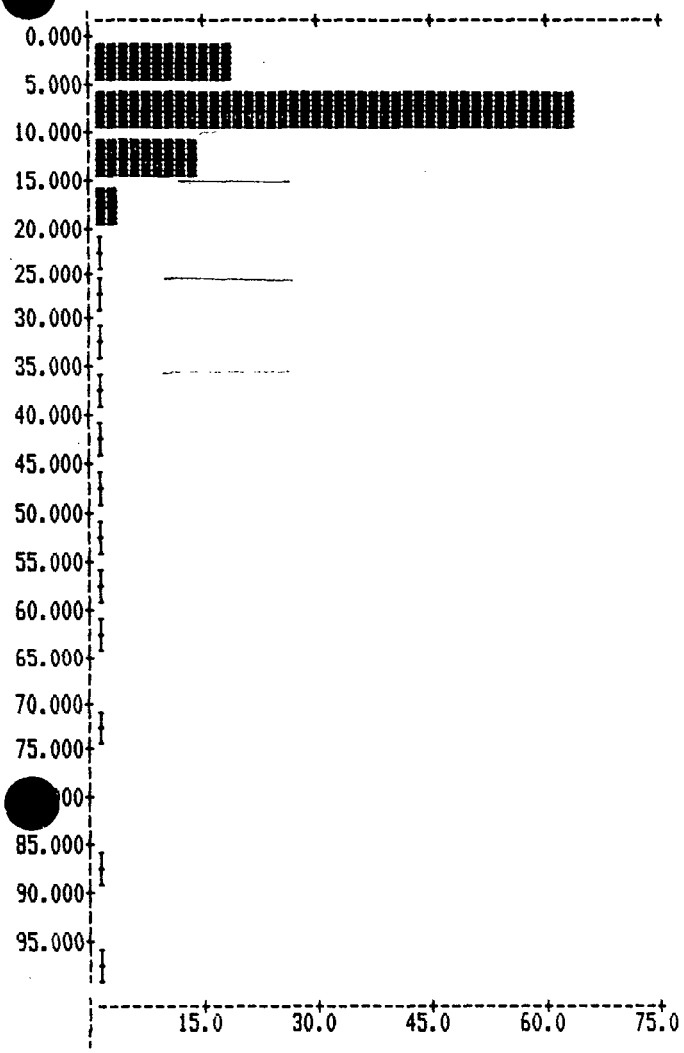


LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
100.000	1	0.07	0.07	100.000
200.000	18	1.21	1.28	200.000
300.000	45	3.04	4.32	300.000
400.000	107	7.22	11.54	400.000
500.000	390	26.32	37.85	500.000
600.000	378	25.51	63.36	600.000
700.000	181	12.21	75.57	700.000
800.000	117	7.89	83.47	800.000
900.000	75	5.06	88.53	900.000
1000.000	47	3.17	91.70	1000.000
1100.000	49	3.31	95.01	1100.000
1200.000	24	1.62	96.63	1200.000
1300.000	16	1.08	97.71	1300.000
1400.000	13	0.88	98.58	1400.000
1500.000	8	0.54	99.12	1500.000
1600.000	2	0.13	99.26	1600.000
1700.000	2	0.13	99.39	1700.000
1800.000	3	0.20	99.60	1800.000
1900.000	1	0.07	99.66	1900.000
2000.000	1	0.07	99.73	2000.000
2100.000	0	0.00	99.73	2100.000
2200.000	1	0.07	99.80	2200.000
2300.000	2	0.13	99.93	2300.000
2400.000	0	0.00	99.93	2400.000
	1	0.07		

VARIABLE:	MN
NUMBER OF OBSERVATIONS:	1482
MINIMUM:	40.000
MAXIMUM:	2457.000
MEAN:	606.373
STANDARD ERROR OF MEAN:	6.674
STANDARD DEVIATION:	256.923
COEFFICIENT OF VARIATION:	42.370
SKEWNESS:	1.970
KURTOSIS:	6.918

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : CO

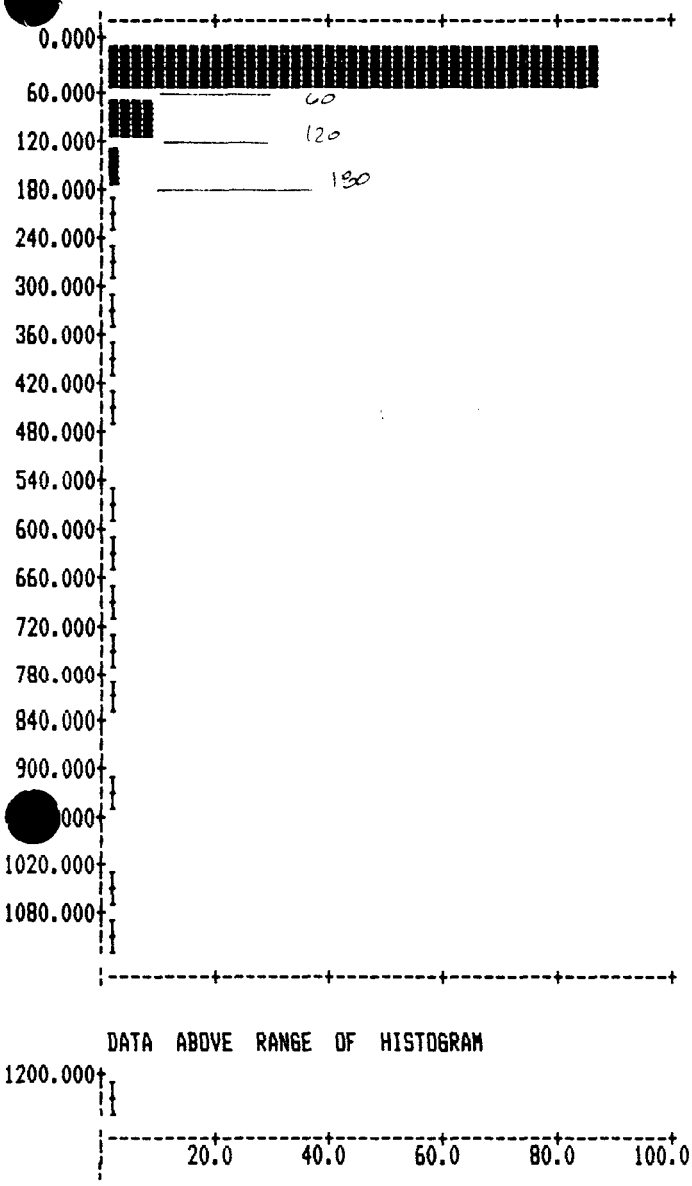


LOWER BOUND INC	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
			0.00	0.000
0.000	280	17.64	17.64	5.000
5.000	1009	63.58	81.22	10.000
10.000	209	13.17	94.39	15.000
15.000	40	2.52	96.91	20.000
20.000	21	1.32	98.24	25.000
25.000	3	0.19	98.42	30.000
30.000	4	0.25	98.68	35.000
35.000	6	0.38	99.05	40.000
40.000	3	0.19	99.24	45.000
45.000	3	0.19	99.43	50.000
50.000	2	0.13	99.56	55.000
55.000	1	0.06	99.62	60.000
60.000	1	0.06	99.68	65.000
65.000	0	0.00	99.68	70.000
70.000	3	0.19	99.87	75.000
75.000	0	0.00	99.87	80.000
80.000	0	0.00	99.87	85.000
85.000	1	0.06	99.94	90.000
90.000	0	0.00	99.94	95.000
95.000	1	0.06		

VARIABLE:	CO
NUMBER OF OBSERVATIONS:	1587
MINIMUM:	1.000
MAXIMUM:	99.000
MEAN:	7.816
STANDARD ERROR OF MEAN:	0.168
STANDARD DEVIATION:	6.683
COEFFICIENT OF VARIATION:	85.504
SKEWNESS:	6.420
KURTOSIS:	58.518

DATA TITLE : RAINBOW GRID SOILS

VARIABLE : NI



LOWER BOUND INCLUDED	NUMBER OF SAMPLES IN CATEGORY	PERCENTAGE OF THE TOTAL SAMPLES	CUMULATIVE PERCENT BELOW LOWER BOUND	LOWER BOUND
0.000			0.00	0.000
60.000	1360	85.70	85.70	60.000
120.000	131	8.25	93.95	120.000
180.000	32	2.02	95.97	180.000
240.000	19	1.20	97.16	240.000
300.000	13	0.82	97.98	300.000
360.000	5	0.32	98.30	360.000
420.000	3	0.19	98.49	420.000
480.000	3	0.19	98.68	480.000
540.000	0	0.00	98.68	540.000
600.000	5	0.32	98.99	600.000
660.000	4	0.25	99.24	660.000
720.000	2	0.13	99.37	720.000
780.000	2	0.13	99.50	780.000
840.000	2	0.13	99.62	840.000
900.000	0	0.00	99.62	900.000
[illegible]000	1	0.06	99.68	960.000
1020.000	0	0.00	99.68	1020.000
1080.000	1	0.06	99.75	1080.000
	1	0.06		
1200.000	3	0.19	99.81	1200.000

VARIABLE:	NI
NUMBER OF OBSERVATIONS:	1587
MINIMUM:	2.000
MAXIMUM:	1712.000
MEAN:	43.951
STANDARD ERROR OF MEAN:	2.745
STANDARD DEVIATION:	109.348
COEFFICIENT OF VARIATION:	248.791
SKEWNESS:	7.771
KU[illegible]IS:	78.895

APPENDIX V

GEOPHYSICAL DATA

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
7500	9100	56598	5	0	6	1
7500	9125	56561	6	1	4	3
7500	9150	56686	5	2	3	4
7500	9175	56643	7	3	4	6
7500	9200	56897	9	3	5	4
7500	9225	57101	10	4	5	3
7500	9250	57082	11	6	6	3
7500	9275	57019	13	7	8	2
7500	9300	57008	12	5	9	2
7500	9325	57127	13	4	8	3
7500	9350	57169	15	3	9	1
7500	9375	57164	17	3	8	-2
7500	9400	57170	15	4	7	-2
7500	9425	57249	14	3	8	-2
7500	9450	57283	15	2	10	-4
7500	9475	57352	17	2	9	-5
7500	9500	57365	16	1	9	-3
7500	9525	57546	17	1	10	-1
7500	9550	57871	15	2	12	-1
7500	9575	58279	18	1	11	-3
7500	9600	58407	17	1	8	-5
7500	9625	58110	14	-1	9	-4
7500	9650	57892	11	-2	10	-2
7500	9675	57593	12	-2	9	0
7500	9700	57338	12	-1	10	0
7500	9725	57185	14	-2	11	-1
7500	9750	57251	13	-3	9	-1
7500	9775	57278	11	-2	8	1
7500	9800	57240	8	-2	6	3
7500	9825	56874	2	-2	3	2
7500	9850	56819	-1	-1	2	5
7500	9875	56648	-4	0	-2	4
7500	9900	56905	2	3	1	4
7500	9925	56951	5	4	6	5
7500	9950	57152	9	6	8	2
7500	9975	57215	10	4	7	2
7500	10000	57003	7	4	4	4
LINE	7600					
7600	9100	56687	5	1	6	2
7600	9125	56573	5	3	5	4
7600	9150	56830	8	3	8	2
7600	9175	56981	10	4	8	1
7600	9200	57145	12	7	9	2
7600	9225	57137	14	5	11	1
7600	9250	57103	14	5	13	1
7600	9275	56831	15	6	12	3
7600	9300	56797	15	7	13	1
7600	9325	57516	16	5	11	-1
7600	9350	57134	18	4	10	-1
7600	9375	57278	17	2	10	-0
7600	9400	57228	19	2	11	-2
7600	9425	57243	21	1	13	-2
7600	9450	57251	20	0	14	-3
7600	9475	57308	22	-1	12	-4
7600	9500	57342	21	-2	12	-4
7600	9525	57685	24	-1	11	-5
7600	9550	57960	23	-1	14	-2

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
7600	9575	58546	21	0	13	-2
7600	9600	58328	20	0	13	-3
7600	9625	58073	17	0	12	-3
7600	9650	57590	16	-1	14	-1
7600	9675	57352	18	-1	11	-1
7600	9700	57389	17	-3	11	-2
7600	9725	57161	15	-1	10	-2
7600	9750	57178	16	-2	11	-1
7600	9775	57243	9	-1	5	0
7600	9800	57267	0	-1	2	0
7600	9825	56892	-1	0	1	1
7600	9850	56757	-5	1	-4	3
7600	9875	56573	3	3	3	6
7600	9900	56815	8	5	7	8
7600	9925	56938	12	5	11	6
7600	9950	57100	15	6	10	5
7600	9975	57138	12	5	6	3
7600	10000	56844	6	4	5	3
LINE	7700					
7700	9100	56731	14	4	0	0
7700	9125	56645	10	4	9	6
7700	9150	56529	7	3	15	9
7700	9175	56795	9	1	19	12
7700	9200	57148	12	2	21	8
7700	9225	57163	15	3	24	9
7700	9250	57062	21	3	28	11
7700	9275	56893	15	1	25	10
7700	9300	56765	10	-0	21	9
7700	9325	57103	9	-1	19	5
7700	9350	57674	7	-3	17	4
7700	9375	57400	12	-4	21	2
7700	9400	57221	17	-5	27	0
7700	9425	57212	19	-6	25	-1
7700	9450	57195	18	-5	24	-3
7700	9475	57201	15	-6	21	-2
7700	9500	57231	12	-8	19	-4
7700	9525	57738	14	-6	22	-2
7700	9550	58615	18	-7	25	-1
7700	9575	58286	16	-5	21	-2
7700	9600	58014	15	-4	19	-0
7700	9625	57532	14	-4	18	-1
7700	9650	57255	18	-2	19	1
7700	9675	57208	15	-1	17	0
7700	9700	57337	13	-3	16	-2
7700	9725	57295	12	-2	14	-2
7700	9750	57198	15	-4	18	-3
7700	9775	57215	9	-3	10	-3
7700	9800	57203	1	-2	1	-2
7700	9825	57138	0	-0	-2	-1
7700	9850	56955	-3	1	-6	0
7700	9875	56826	5	3	6	4
7700	9900	56697	11	9	14	8
7700	9925	56934	14	7	15	9
7700	9950	57010	15	5	17	8
7700	9975	56888	8	4	11	7
7700	10000	56727	4	2	7	6

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
7800	9100	56522	2	5	10	2
7800	9125	56518	5	3	10	1
7800	9150	56679	12	7	9	3
7800	9175	56836	16	8	12	2
7800	9200	57087	20	6	13	3
7800	9225	57121	22	7	15	4
7800	9250	57013	23	10	16	3
7800	9275	56915	21	8	14	1
7800	9300	56879	19	7	12	2
7800	9325	57203	17	4	11	0
7800	9350	57512	16	3	10	-1
7800	9375	57529	18	1	11	-3
7800	9400	57387	21	1	13	-4
7800	9425	57274	18	0	15	-3
7800	9450	57341	19	-1	16	-4
7800	9475	57362	18	-1	15	-5
7800	9500	57986	17	-3	14	-7
7800	9525	58203	19	-1	16	-5
7800	9550	58217	21	-2	15	-5
7800	9575	58104	18	0	16	-3
7800	9600	57892	17	2	14	-5
7800	9625	57386	15	1	15	-4
7800	9650	57362	15	0	15	-3
7800	9675	57211	13	-1	14	-2
7800	9700	57115	12	-1	13	-3
7800	9725	57272	10	-2	13	-4
7800	9750	57318	14	-1	11	-2
7800	9775	57243	8	0	9	-2
7800	9800	57237	2	1	3	-1
7800	9825	57101	-1	1	1	1
7800	9850	56923	-3	2	0	3
7800	9875	56755	5	3	4	4
7800	9900	56681	10	5	8	5
7800	9925	56910	12	4	11	3
7800	9950	57085	11	4	10	4
7800	9975	56983	8	5	5	3
7800	10000	56930	5	4	3	1
LINE	7900					
7900	9100	56581	1	2	12	3
7900	9125	56708	2	4	11	1
7900	9150	56727	7	4	7	2
7900	9175	56883	12	8	12	5
7900	9200	57104	20	11	18	8
7900	9225	57181	24	10	22	11
7900	9250	57275	24	7	23	8
7900	9275	57533	20	3	21	6
7900	9300	57817	21	2	19	4
7900	9325	57566	19	1	18	4
7900	9350	57681	20	2	16	3
7900	9375	57809	18	2	17	1
7900	9400	57835	14	4	15	-0
7900	9425	57978	13	3	14	-1
7900	9450	58251	17	2	15	-1
7900	9475	58293	14	2	12	-3
7900	9500	58248	14	1	12	-2
7900	9525	58006	15	0	14	-2
7900	9550	57831	17	0	13	-1

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
7900	9575	57550	15	0	16	-2
7900	9600	57344	12	-1	15	-1
7900	9625	57103	11	0	12	-3
7900	9650	56911	9	-1	10	-4
7900	9675	56829	7	-2	8	-3
7900	9700	56847	5	-2	3	-2
7900	9725	56752	8	-3	7	-3
7900	9750	56873	10	-3	10	-3
7900	9775	57109	11	-4	11	-5
7900	9800	57321	8	-4	5	-7
7900	9825	57397	2	-3	1	-9
7900	9850	57013	0	-2	-1	-6
7900	9875	56915	-1	-4	2	-8
7900	9900	56589	2	-3	3	-5
7900	9925	56873	6	1	5	-3
7900	9950	57188	12	2	6	-3
7900	9975	57230	8	2	3	-2
7900	10000	57414	3	1	1	-1
LINE	8000					
8000	9100	56514	2	3	3	2
8000	9125	56572	-1	3	1	2
8000	9150	56687	1	5	-2	1
8000	9175	56915	3	4	7	7
8000	9200	57282	17	16	17	16
8000	9225	57077	28	17	27	18
8000	9250	57230	26	10	25	11
8000	9275	57667	23	0	22	2
8000	9300	57702	23	2	22	2
8000	9325	57327	20	2	18	0
8000	9350	57782	21	1	24	-1
8000	9375	57816	18	4	19	1
8000	9400	58110	15	5	15	3
8000	9425	58468	13	4	12	3
8000	9450	58148	17	2	17	2
8000	9475	57312	13	-1	14	-0
8000	9500	57100	12	-1	13	-1
8000	9525	56773	13	0	14	1
8000	9550	56606	13	-0	16	0
8000	9575	56646	18	-2	19	-1
8000	9600	56654	16	-2	16	-1
8000	9625	56731	11	-4	13	-3
8000	9650	56822	7	-5	8	-3
8000	9675	56760	11	-1	11	-1
8000	9700	56882	2	-4	3	-3
8000	9725	56812	8	-3	9	-2
8000	9750	56713	12	-4	13	-3
8000	9775	56574	14	-5	17	-2
8000	9800	57187	16	-8	19	-4
8000	9825	57589	9	-12	13	-7
8000	9850	57062	4	-8	9	-4
8000	9875	56875	-2	-12	4	-9
8000	9900	56897	0	-8	2	-5
8000	9925	56831	6	-2	9	0
8000	9950	57210	4	-2	8	0
8000	9975	57483	6	-2	8	0
8000	10000	57588	1	-3	4	0

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
8100	9100	56381	1	-2	2	0
8100	9125	56530	-2	-1	-1	1
8100	9150	56632	1	-1	5	2
8100	9175	56807	8	0	10	5
8100	9200	56813	14	1	18	9
8100	9225	56742	20	1	24	12
8100	9250	56985	18	2	22	8
8100	9275	57203	17	1	23	5
8100	9300	57419	16	3	21	4
8100	9325	57751	15	4	19	3
8100	9350	57528	17	6	18	3
8100	9375	57572	14	7	17	5
8100	9400	57837	11	7	13	4
8100	9425	58308	8	5	11	1
8100	9450	58571	12	7	14	3
8100	9475	58233	10	6	12	2
8100	9500	57820	11	7	11	4
8100	9525	57548	12	7	12	6
8100	9550	57394	14	8	14	8
8100	9575	57366	10	5	12	5
8100	9600	57281	5	4	9	4
8100	9625	56793	3	6	7	2
8100	9650	56852	4	5	8	5
8100	9675	56685	3	5	6	6
8100	9700	56847	5	6	14	4
8100	9725	56821	10	5	12	2
8100	9750	56765	12	1	10	1
8100	9775	56840	15	0	11	-2
8100	9800	57122	14	-1	8	-5
8100	9825	57315	9	-1	5	-6
8100	9850	57109	5	-3	1	-5
8100	9875	56847	0	-1	-5	-8
8100	9900	56861	-1	-2	3	-3
8100	9925	56883	10	-2	7	0
8100	9950	56922	12	-3	5	-1
8100	9975	57108	8	-2	4	-2
8100	10000	57321	3	-3	0	-4
LINE	8200					
8200	9100	56239	-0	1	-1	-1
8200	9125	56371	-3	-2	-6	-5
8200	9150	56566	2	1	-1	-0
8200	9175	56644	5	3	0	0
8200	9200	56851	9	4	7	3
8200	9225	56728	11	7	9	6
8200	9250	56816	9	8	7	7
8200	9275	56799	12	12	9	13
8200	9300	56841	7	10	4	11
8200	9325	56852	4	11	5	13
8200	9350	56787	2	12	1	13
8200	9375	56845	2	16	-0	16
8200	9400	56925	-11	12	-14	12
8200	9425	57295	-21	9	-22	9
8200	9450	57938	-22	11	-23	12
8200	9475	59032	-17	10	-17	11
8200	9500	58282	3	13	5	16
8200	9525	58183	17	9	16	14
8200	9550	58476	16	5	18	9

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
8200	9575	57467	11	7	11	9
8200	9600	57061	0	1	2	5
8200	9625	57963	-0	4	0	8
8200	9650	57385	4	6	3	9
8200	9675	57105	0	5	2	9
8200	9700	56553	21	5	21	9
8200	9725	56416	25	3	29	9
8200	9750	56781	19	-1	23	4
8200	9775	57157	4	-4	8	-0
8200	9800	57100	-5	-7	1	-2
8200	9825	57137	-5	-6	0	-2
8200	9850	57224	-9	-8	-0	-5
8200	9875	57141	-14	-10	-7	-7
8200	9900	56848	5	-3	10	-2
8200	9925	57120	10	-4	15	-3
8200	9950	56959	8	-5	12	-3
8200	9975	56893	2	-6	9	-4
8200	10000	57184	-6	-10	-1	-8
LINE	8300					
8300	9100	56663	1	3	3	3
8300	9125	56631	-1	0	-0	1
8300	9150	56578	9	1	12	2
8300	9175	56540	15	2	21	3
8300	9200	56576	12	-1	16	-2
8300	9225	56526	11	-2	13	-3
8300	9250	56549	15	1	15	1
8300	9275	56635	14	3	17	4
8300	9300	56756	14	5	17	5
8300	9325	56909	9	5	14	8
8300	9350	56916	9	8	14	10
8300	9375	57016	3	9	10	12
8300	9400	57206	-0	10	8	15
8300	9425	58637	-3	8	4	13
8300	9450	59776	-7	10	-0	16
8300	9475	59338	-11	8	-3	15
8300	9500	59258	1	9	5	15
8300	9525	59134	7	9	9	12
8300	9550	58107	8	8	13	10
8300	9575	57712	2	6	6	9
8300	9600	57461	0	5	4	8
8300	9625	57218	-9	1	-2	7
8300	9650	57464	-2	5	3	8
8300	9675	57837	13	9	15	9
8300	9700	57042	12	8	11	8
8300	9725	57085	8	6	11	6
8300	9750	57269	4	4	5	5
8300	9775	57055	15	9	15	10
8300	9800	57116	5	5	9	7
8300	9825	57285	-0	-3	3	0
8300	9850	57299	-1	-6	1	-3
8300	9875	57393	5	-2	8	-1
8300	9900	57418	11	2	12	2
8300	9925	57332	9	-0	10	0
8300	9950	56933	-3	-6	-1	-5
8300	9975	57132	-3	-2	-0	-3
8300	10000	58045	-6	-2	-3	-3

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
8400	8300	*	*	*	*	*
8400	8325	*	*	*	*	*
8400	8350	*	*	*	*	*
8400	8375	*	*	*	*	*
8400	8400	*	*	*	*	*
8400	8425	*	*	*	*	*
8400	8450	*	*	*	*	*
8400	8475	*	*	*	*	*
8400	8500	*	*	*	*	*
8400	8525	*	*	*	*	*
8400	8550	*	*	*	*	*
8400	8575	*	*	*	*	*
8400	8600	*	*	*	*	*
8400	8625	*	*	*	*	*
8400	8650	*	*	*	*	*
8400	8675	*	*	*	*	*
8400	8700	56882	12	-4	7	-2
8400	8725	56883	12	-3	7	-1
8400	8750	56851	-2	-10	-8	-9
8400	8775	56918	7	-5	5	-4
8400	8800	56887	6	-5	-1	-5
8400	8825	56912	4	-9	2	-9
8400	8850	56963	1	-9	2	-9
8400	8875	57047	3	-5	-0	-5
8400	8900	57012	7	2	5	1
8400	8925	57030	6	1	4	0
8400	8950	57072	16	7	12	7
8400	8975	57104	14	7	10	4
8400	9000	57136	18	8	13	5
8400	9025	57114	12	8	8	5
8400	9050	57089	6	4	3	0
8400	9075	57110	8	7	10	3
8400	9100	56974	-7	4	-1	0
8400	9125	57596	-26	1	-12	-1
8400	9150	58849	0	0	56	-10
8400	9175	58855	31	-5	53	-12
8400	9200	58863	53	-9	48	-8
8400	9225	59101	29	-10	26	-10
8400	9250	58355	19	-7	19	-8
8400	9275	57124	19	-3	16	-3
8400	9300	56968	16	-3	15	-5
8400	9325	57556	9	-7	9	-8
8400	9350	59415	9	-4	11	-6
8400	9375	59892	13	0	17	-1
8400	9400	59635	9	0	13	-1
8400	9425	59527	7	-0	11	-2
8400	9450	59163	11	-1	12	-1
8400	9475	58538	11	-0	4	-0
8400	9500	58222	11	0	14	0
8400	9525	58032	5	-2	5	-2
8400	9550	58226	5	-0	6	-0
8400	9575	58298	10	3	14	4
8400	9600	57974	12	3	14	4
8400	9625	57876	14	7	16	6
8400	9650	57786	15	7	18	7
8400	9675	57809	9	7	11	7
8400	9700	57571	4	7	6	7

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
8400	9725	57827	2	7	4	7
8400	9750	58125	-0	8	1	7
8400	9775	58547	-2	6	0	7
8400	9800	58289	2	8	4	7
8400	9825	58371	-3	-0	0	0
8400	9850	57937	-13	-11	-8	-9
8400	9875	57594	1	-4	6	-4
8400	9900	57460	3	-4	4	-4
8400	9925	57391	4	-1	7	-2
8400	9950	57503	4	-0	8	-0
8400	9975	57591	3	-0	10	0
8400	10000	57638	-3	-3	-1	-2
LINE	8500					
8500	8300	*	*	*	*	*
8500	8325	*	*	*	*	*
8500	8350	*	*	*	*	*
8500	8375	*	*	*	*	*
8500	8400	*	*	*	*	*
8500	8425	*	*	*	*	*
8500	8450	*	*	*	*	*
8500	8475	*	*	*	*	*
8500	8500	*	*	*	*	*
8500	8525	*	*	*	*	*
8500	8550	*	*	*	*	*
8500	8575	*	*	*	*	*
8500	8600	*	*	*	*	*
8500	8625	*	*	*	*	*
8500	8650	*	*	*	*	*
8500	8675	*	*	*	*	*
8500	8700	*	*	*	*	*
8500	8725	*	*	*	*	*
8500	8750	*	*	*	*	*
8500	8775	56946	9	-2	7	-2
8500	8800	56959	7	-3	6	-3
8500	8825	56958	7	-5	4	-5
8500	8850	57060	6	-4	4	-4
8500	8875	57272	2	-2	3	-3
8500	8900	57150	4	-0	1	-2
8500	8925	57311	6	0	3	-1
8500	8950	57274	-0	0	0	0
8500	8975	57562	9	7	8	4
8500	9000	57825	2	6	3	5
8500	9025	57822	7	7	5	6
8500	9050	57849	-4	0	-3	0
8500	9075	57971	-5	1	-6	0
8500	9100	58148	-8	0	-10	0
8500	9125	58468	-4	2	-10	2
8500	9150	58271	-6	0	-12	1
8500	9175	58586	-1	1	-8	1
8500	9200	58595	-8	-0	-16	-0
8500	9225	57304	-5	-0	-13	0
8500	9250	57325	0	-3	-5	-2
8500	9275	57524	0	-2	-3	-2
8500	9300	57304	2	-3	2	-2
8500	9325	57457	-0	-5	2	-4
8500	9350	58023	1	-6	3	-4
8500	9375	57935	2	-5	5	-4

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
8500	9400	57730	8	-3	8	-2
8500	9425	57583	15	-3	16	-0
8500	9450	57559	10	-2	12	0
8500	9475	57658	10	0	11	1
8500	9500	57767	8	0	8	1
8500	9525	57519	6	0	8	1
8500	9550	57539	2	0	5	1
8500	9575	57491	3	-0	1	0
8500	9600	57448	6	3	8	4
8500	9625	57576	-1	-1	0	1
8500	9650	57915	7	4	8	6
8500	9675	57214	9	7	11	10
8500	9700	57418	-3	4	1	7
8500	9725	57879	-4	6	1	10
8500	9750	58724	-10	7	-4	12
8500	9775	58828	-6	9	-3	15
8500	9800	58705	-2	7	3	13
8500	9825	58569	6	2	8	7
8500	9850	58268	49	23	49	26
8500	9875	57955	12	1	16	6
8500	9900	57751	3	-0	8	3
8500	9925	57613	4	-1	9	2
8500	9950	57339	-3	-6	1	-0
8500	9975	56556	-6	-6	-2	-1
8500	10000	56960	-3	-3	-1	0
LINE	8600					
8600	8300	*	*	*	*	*
8600	8325	*	*	*	*	*
8600	8350	*	*	*	*	*
8600	8375	*	*	*	*	*
8600	8400	*	*	*	*	*
8600	8425	*	*	*	*	*
8600	8450	*	*	*	*	*
8600	8475	*	*	*	*	*
8600	8500	*	*	*	*	*
8600	8525	*	*	*	*	*
8600	8550	*	*	*	*	*
8600	8575	*	*	*	*	*
8600	8600	*	*	*	*	*
8600	8625	*	*	*	*	*
8600	8650	*	*	*	*	*
8600	8675	*	*	*	*	*
8600	8700	*	*	*	*	*
8600	8725	*	*	*	*	*
8600	8750	*	*	*	*	*
8600	8775	57093	16	-2	13	-1
8600	8800	57059	17	0	13	1
8600	8825	57195	11	-1	10	-0
8600	8850	57111	9	2	6	2
8600	8875	57178	7	2	4	2
8600	8900	57184	6	4	6	5
8600	8925	57420	2	4	0	5
8600	8950	57793	-2	4	-3	4
8600	8975	58769	-8	3	-7	5
8600	9000	58587	9	7	7	9
8600	9025	58536	14	7	13	7
8600	9050	57778	14	6	9	7

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
8600	9075	57588	9	4	8	5
8600	9100	57115	12	3	5	5
8600	9125	56941	10	4	9	6
8600	9150	56941	4	0	2	3
8600	9175	56906	7	1	6	5
8600	9200	56847	7	4	8	8
8600	9225	56790	4	3	6	8
8600	9250	57788	3	3	3	6
8600	9275	58586	4	-1	2	1
8600	9300	59126	1	-2	2	1
8600	9325	58449	0	-3	3	-0
8600	9350	57885	4	-6	5	-4
8600	9375	57144	10	-4	9	-2
8600	9400	57095	15	-1	9	0
8600	9425	56913	14	-0	11	0
8600	9450	56976	12	1	14	2
8600	9475	57084	6	-2	6	0
8600	9500	57348	-1	-0	1	0
8600	9525	57498	-8	-1	-6	-1
8600	9550	57578	-2	2	-0	2
8600	9575	57637	1	3	1	4
8600	9600	57567	-2	2	0	2
8600	9625	57426	-2	0	-0	1
8600	9650	57397	-8	0	-2	3
8600	9675	57537	-8	2	-7	4
8600	9700	57591	-7	4	-7	6
8600	9725	57764	-7	4	-4	5
8600	9750	57795	-9	5	-7	7
8600	9775	57687	-8	5	-6	6
8600	9800	57586	-6	3	-3	5
8600	9825	57538	-5	0	-3	3
8600	9850	57536	2	2	-21	-6
8600	9875	57406	9	4	8	5
8600	9900	57383	10	6	9	7
8600	9925	57291	2	1	1	4
8600	9950	57090	-13	-3	-10	-1
8600	9975	56722	-10	-4	-11	-2
8600	10000	57044	-8	-6	-8	-5
LINE	8700					
8700	8300	*	*	*	*	*
8700	8325	*	*	*	*	*
8700	8350	*	*	*	*	*
8700	8375	*	*	*	*	*
8700	8400	*	*	*	*	*
8700	8425	*	*	*	*	*
8700	8450	*	*	*	*	*
8700	8475	*	*	*	*	*
8700	8500	*	*	*	*	*
8700	8525	*	*	*	*	*
8700	8550	*	*	*	*	*
8700	8575	*	*	*	*	*
8700	8600	*	*	*	*	*
8700	8625	*	*	*	*	*
8700	8650	*	*	*	*	*
8700	8675	*	*	*	*	*
8700	8700	*	*	*	*	*
8700	8725	*	*	*	*	*

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
8700	8750	*	*	*	*	*
8700	8775	57151	19	0	19	0
8700	8800	57229	17	-1	17	-0
8700	8825	57277	11	-0	12	0
8700	8850	57093	7	0	8	0
8700	8875	57263	0	-1	0	-1
8700	8900	57513	-3	-1	-5	-2
8700	8925	57998	-3	1	-5	0
8700	8950	57981	0	3	0	2
8700	8975	57533	2	1	2	1
8700	9000	57386	10	4	9	4
8700	9025	57106	9	2	9	3
8700	9050	56924	10	2	10	3
8700	9075	56701	20	4	22	5
8700	9100	56283	19	3	21	5
8700	9125	56368	9	-0	9	2
8700	9150	56567	3	-2	6	-0
8700	9175	56674	-8	-3	-7	-1
8700	9200	57299	-3	-1	0	-0
8700	9225	58011	-0	-3	4	-1
8700	9250	58531	3	-2	4	-0
8700	9275	58022	3	-0	6	1
8700	9300	57698	8	-0	10	1
8700	9325	57558	10	0	13	2
8700	9350	57316	9	0	11	1
8700	9375	57196	12	3	15	2
8700	9400	57153	9	2	11	3
8700	9425	57001	7	0	8	0
8700	9450	56936	0	-2	2	-0
8700	9475	57206	2	1	3	2
8700	9500	57809	-5	1	-1	1
8700	9525	57780	-11	-0	-10	0
8700	9550	57965	-12	0	-10	1
8700	9575	57800	-7	2	-5	4
8700	9600	57461	-4	1	-3	2
8700	9625	57388	-1	1	-0	2
8700	9650	57336	-1	1	0	2
8700	9675	57392	-6	2	-5	4
8700	9700	57523	-7	2	-5	3
8700	9725	57405	-8	3	-6	5
8700	9750	57374	-6	3	-4	3
8700	9775	57013	-2	4	-1	4
8700	9800	57045	-2	3	-1	3
8700	9825	57184	-4	1	-5	2
8700	9850	57224	-6	-0	-7	1
8700	9875	57304	-17	-7	-20	-5
8700	9900	57238	-6	2	-4	4
8700	9925	57152	-9	1	-8	4
8700	9950	57032	-17	-3	-13	0
8700	9975	57630	-27	-8	-24	-5
8700	10000	57509	-12	-5	-10	-4
Line	8800					
8800	8300	*	*	*	*	*
8800	8325	*	*	*	*	*
8800	8350	*	*	*	*	*
8800	8375	*	*	*	*	*
8800	8400	*	*	*	*	*

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
8800	8425	*	*	*	*	*
8800	8450	*	*	*	*	*
8800	8475	*	*	*	*	*
8800	8500	*	*	*	*	*
8800	8525	*	*	*	*	*
8800	8550	*	*	*	*	*
8800	8575	*	*	*	*	*
8800	8600	*	*	*	*	*
8800	8625	*	*	*	*	*
8800	8650	*	*	*	*	*
8800	8675	57036	4	-6	9	-4
8800	8700	57054	7	-8	3	-2
8800	8725	57062	13	-8	9	-6
8800	8750	57079	15	-5	14	-7
8800	8775	57169	15	-4	14	-5
8800	8800	57219	19	-2	18	-3
8800	8825	57214	16	-0	20	-0
8800	8850	57264	15	1	16	1
8800	8875	57380	13	2	13	2
8800	8900	57457	11	2	15	1
8800	8925	57451	8	2	9	1
8800	8950	57305	2	-0	7	-0
8800	8975	57188	5	0	5	-0
8800	9000	57349	-0	-1	1	-1
8800	9025	58343	-6	-3	-4	-4
8800	9050	58527	2	0	4	0
8800	9075	59185	3	-1	3	-2
8800	9100	58812	10	-0	11	-2
8800	9125	58330	13	-1	17	-6
8800	9150	57853	7	-5	10	-3
8800	9175	57066	8	-2	10	-0
8800	9200	56916	5	-2	11	-0
8800	9225	57076	8	-3	11	-4
8800	9250	57312	9	-3	10	-3
8800	9275	57104	8	-2	10	-3
8800	9300	57060	13	1	15	1
8800	9325	57005	15	1	19	-1
8800	9350	56961	14	2	17	1
8800	9375	57003	12	3	17	2
8800	9400	57004	9	2	13	0
8800	9425	56966	6	1	10	0
8800	9450	56995	5	1	8	0
8800	9475	57088	7	2	10	0
8800	9500	57288	6	5	13	4
8800	9525	57443	3	4	8	3
8800	9550	57236	-5	1	-3	1
8800	9575	57014	-10	0	-10	-0
8800	9600	56849	-4	2	-3	-0
8800	9625	56940	-2	2	0	0
8800	9650	56970	-4	2	-4	2
8800	9675	56898	-3	2	-3	0
8800	9700	56919	-3	1	-3	0
8800	9725	57146	-2	1	-1	0
8800	9750	57259	-2	1	-0	-0
8800	9775	57593	-0	1	0	0
8800	9800	57430	-9	0	-6	1
8800	9825	57221	-14	-0	-13	0

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
8800	9850	56922	-21	-2	-17	-2
8800	9875	57058	9	9	10	7
8800	9900	57066	-7	-0	-7	0
8800	9925	57201	-5	-1	-6	-3
8800	9950	57228	-8	-4	-12	-5
8800	9975	57563	-12	-6	-15	-8
8800	10000	57368	-12	-6	-13	-7
Line	8900					
8900	8300	*	*	*	*	*
8900	8325	*	*	*	*	*
8900	8350	*	*	*	*	*
8900	8375	*	*	*	*	*
8900	8400	*	*	*	*	*
8900	8425	*	*	*	*	*
8900	8450	*	*	*	*	*
8900	8475	*	*	*	*	*
8900	8500	*	*	*	*	*
8900	8525	*	*	*	*	*
8900	8550	*	*	*	*	*
8900	8575	*	*	*	*	*
8900	8600	*	*	*	*	*
8900	8625	56980	7	-3	1	-14
8900	8650	56979	8	-6	4	-11
8900	8675	56996	6	-8	6	-12
8900	8700	57019	5	-9	7	-11
8900	8725	57021	2	-8	3	-8
8900	8750	57059	7	-5	9	-6
8900	8775	57122	10	-5	12	-4
8900	8800	57184	14	-2	14	-0
8900	8825	57254	11	0	16	1
8900	8850	57209	15	0	17	1
8900	8875	57193	18	1	20	1
8900	8900	57199	12	0	17	0
8900	8925	57135	8	0	10	0
8900	8950	57144	6	-2	10	-0
8900	8975	56987	10	0	12	1
8900	9000	56924	8	-0	11	1
8900	9025	56976	6	-1	10	0
8900	9050	56933	2	-2	8	0
8900	9075	57466	4	-3	6	-3
8900	9100	58186	-0	-4	3	-3
8900	9125	57390	-5	-7	2	-5
8900	9150	57191	-2	-5	3	-5
8900	9175	57101	-0	-3	2	-4
8900	9200	57081	1	-4	0	-5
8900	9225	57379	1	-5	3	-7
8900	9250	57947	3	-5	6	-6
8900	9275	58245	4	-3	5	-4
8900	9300	57511	8	-2	7	-3
8900	9325	57755	8	-2	7	-2
8900	9350	58554	8	-3	8	-2
8900	9375	58447	11	-1	11	-0
8900	9400	58403	9	-0	11	-0
8900	9425	58144	3	0	7	1
8900	9450	57870	-4	-6	-2	-5
8900	9475	58094	14	4	18	5
8900	9500	57557	18	6	23	7

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
8900	9525	57556	16	2	17	3
8900	9550	57301	14	2	11	3
8900	9575	57228	12	3	13	5
8900	9600	57366	9	4	14	5
8900	9625	57327	8	5	18	10
8900	9650	57459	7	4	14	7
8900	9675	57534	3	3	11	3
8900	9700	57486	2	1	5	2
8900	9725	57075	1	0	1	2
8900	9750	57134	0	-0	5	1
8900	9775	57046	0	0	1	1
8900	9800	57035	1	0	2	2
8900	9825	57026	3	-0	2	2
8900	9850	57065	2	-0	2	1
8900	9875	57028	4	1	1	1
8900	9900	57039	3	2	1	4
8900	9925	56999	3	2	1	5
8900	9950	57001	2	3	0	5
8900	9975	57033	2	4	5	6
8900	10000	56894	6	6	5	9
Line	9000					
9000	8300	*	*	*	*	*
9000	8325	*	*	*	*	*
9000	8350	*	*	*	*	*
9000	8375	*	*	*	*	*
9000	8400	*	*	*	*	*
9000	8425	*	*	*	*	*
9000	8450	*	*	*	*	*
9000	8475	*	*	*	*	*
9000	8500	*	*	*	*	*
9000	8525	*	*	*	*	*
9000	8550	*	*	*	*	*
9000	8575	*	*	*	*	*
9000	8600	*	*	*	*	*
9000	8625	*	*	*	*	*
9000	8650	*	*	*	*	*
9000	8675	56967	-3	-7	-5	-11
9000	8700	56952	-4	-7	-6	-9
9000	8725	57042	1	-6	-0	-6
9000	8750	57033	6	-2	4	-1
9000	8775	57064	17	1	16	2
9000	8800	57175	21	3	21	4
9000	8825	57304	22	4	25	5
9000	8850	57235	19	2	22	5
9000	8875	57216	15	0	20	3
9000	8900	57075	12	-0	17	0
9000	8925	56828	8	-2	10	-2
9000	8950	57072	3	-3	6	-3
9000	8975	57057	5	-3	7	-3
9000	9000	57123	3	-4	5	-5
9000	9025	57380	3	-4	5	-6
9000	9050	57739	1	-5	4	-7
9000	9075	57444	5	-5	10	-6
9000	9100	57373	9	-5	9	-7
9000	9125	57469	7	-4	9	-7
9000	9150	57378	5	-5	8	-6
9000	9175	57339	1	-5	4	-6

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
9000	9200	57271	5	-3	5	-4
9000	9225	57238	7	-2	7	-4
9000	9250	57175	4	-2	6	-3
9000	9275	57115	5	-1	4	-2
9000	9300	57151	5	-2	6	-3
9000	9325	57071	4	-1	5	-2
9000	9350	57107	3	-2	4	-3
9000	9375	57219	2	-2	6	-3
9000	9400	57152	5	-1	7	-3
9000	9425	57163	4	-2	6	-3
9000	9450	57241	4	-2	5	-3
9000	9475	57220	6	-2	8	-2
9000	9500	57232	11	-1	14	-2
9000	9525	57192	11	-0	16	-1
9000	9550	57009	8	-1	13	-2
9000	9575	56969	5	-1	9	-2
9000	9600	57028	2	-0	6	-0
9000	9625	56990	1	0	5	0
9000	9650	57052	4	0	6	1
9000	9675	57061	1	-0	4	0
9000	9700	57018	2	-0	8	2
9000	9725	56997	3	-1	8	1
9000	9750	56987	2	-2	6	-0
9000	9775	56953	2	-2	8	-0
9000	9800	56980	2	-2	10	-1
9000	9825	56969	5	-5	7	-4
9000	9850	56975	8	4	15	4
9000	9875	56974	7	1	14	2
9000	9900	56959	5	0	9	3
9000	9925	56956	6	1	9	2
9000	9950	56940	5	0	10	0
9000	9975	56922	3	0	9	-1
9000	10000	56896	-0	0	3	1
Line	9100					
9100	8300	*	*	*	*	*
9100	8325	*	*	*	*	*
9100	8350	*	*	*	*	*
9100	8375	*	*	*	*	*
9100	8400	*	*	*	*	*
9100	8425	*	*	*	*	*
9100	8450	*	*	*	*	*
9100	8475	*	*	*	*	*
9100	8500	*	*	*	*	*
9100	8525	*	*	*	*	*
9100	8550	*	*	*	*	*
9100	8575	*	*	*	*	*
9100	8600	*	*	*	*	*
9100	8625	*	*	*	*	*
9100	8650	*	*	*	*	*
9100	8675	57185	-9	-4	-10	-19
9100	8700	57179	-7	-3	-12	-14
9100	8725	57155	-6	-5	-9	-7
9100	8750	57141	-7	-2	-7	-4
9100	8775	57124	-3	3	-4	1
9100	8800	57097	-1	6	-3	4
9100	8825	57053	-4	8	-7	7
9100	8850	57099	-4	8	-3	8

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
9100	8875	57257	1	9	-0	10
9100	8900	57080	11	12	11	13
9100	8925	57108	11	7	12	9
9100	8950	57278	14	5	19	7
9100	8975	57227	18	3	21	6
9100	9000	57167	18	1	21	3
9100	9025	57190	21	0	22	1
9100	9050	57187	20	-0	23	1
9100	9075	57059	15	-3	19	-1
9100	9100	57160	11	-4	14	-3
9100	9125	57183	9	-4	11	-4
9100	9150	57154	9	-3	10	-2
9100	9175	57141	8	-2	12	-1
9100	9200	57137	9	-2	11	-4
9100	9225	57219	6	-3	10	-4
9100	9250	57217	6	-2	4	-3
9100	9275	57376	6	-2	7	-2
9100	9300	57975	3	-2	5	-2
9100	9325	58336	-0	-3	-0	-4
9100	9350	58465	-3	-2	-3	-3
9100	9375	57809	-4	-2	-2	-3
9100	9400	56609	2	2	6	1
9100	9425	56357	4	3	6	3
9100	9450	56538	3	1	6	0
9100	9475	56611	0	-0	4	-1
9100	9500	56468	3	-0	8	0
9100	9525	57222	5	-1	9	-0
9100	9550	57761	3	-1	11	-1
9100	9575	56737	3	-0	9	-2
9100	9600	55678	5	-1	10	-0
9100	9625	55658	10	1	18	3
9100	9650	55939	12	1	20	0
9100	9675	56365	13	0	22	0
9100	9700	56420	14	-0	20	0
9100	9725	56426	15	1	23	2
9100	9750	56537	18	0	25	3
9100	9775	56609	14	-0	24	1
9100	9800	56710	17	-1	24	-0
9100	9825	56644	17	11	27	12
9100	9850	56607	16	4	27	6
9100	9875	56695	16	3	25	0
9100	9900	56773	12	0	19	2
9100	9925	56779	10	0	15	1
9100	9950	56775	7	-0	15	0
9100	9975	56783	5	1	10	0
9100	10000	56856	6	1	13	3
Line	9200					
9200	8300	56997	0	1	-1	0
9200	8325	56961	-4	1	-4	0
9200	8350	*	*	*	*	*
9200	8375	*	*	*	*	*
9200	8400	*	*	*	*	*
9200	8425	*	*	*	*	*
9200	8450	*	*	*	*	*
9200	8475	*	*	*	*	*
9200	8500	*	*	*	*	*
9200	8525	*	*	*	*	*

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
9200	8550	*	*	*	*	*
9200	8575	*	*	*	*	*
9200	8600	*	*	*	*	*
9200	8625	*	*	*	*	*
9200	8650	*	*	*	*	*
9200	8675	56699	-3	-10	-7	-13
9200	8700	57276	-11	-13	-14	-14
9200	8725	57450	-15	-10	-19	-13
9200	8750	57304	-13	-7	-19	-10
9200	8775	57194	-12	-4	-16	-5
9200	8800	57170	-8	1	-12	-0
9200	8825	57056	-11	0	-13	-0
9200	8850	57004	-9	2	-12	2
9200	8875	57070	-10	5	-12	5
9200	8900	57007	-9	7	-14	8
9200	8925	57031	-10	7	-14	7
9200	8950	57062	1	11	0	11
9200	8975	57117	17	10	14	11
9200	9000	57055	21	7	21	8
9200	9025	56893	26	7	27	8
9200	9050	56984	21	3	21	5
9200	9075	56975	14	0	13	0
9200	9100	56949	9	-1	8	-1
9200	9125	56707	6	-0	5	-1
9200	9150	56748	5	1	3	0
9200	9175	56752	3	1	-1	1
9200	9200	56899	2	0	-0	0
9200	9225	56827	-0	0	-3	-1
9200	9250	57060	-1	-1	-5	-2
9200	9275	56930	-2	-2	-4	-3
9200	9300	56849	-1	-3	0	-3
9200	9325	56815	-2	-2	4	-2
9200	9350	56821	1	-3	5	-4
9200	9375	56785	2	-3	7	-4
9200	9400	57540	4	-3	8	-4
9200	9425	57902	3	-4	9	-5
9200	9450	57655	-0	-4	7	-6
9200	9475	57870	1	-3	6	-4
9200	9500	58059	3	-2	5	-3
9200	9525	57701	2	-1	4	-2
9200	9550	57066	-0	-4	3	-5
9200	9575	56248	3	-3	7	-5
9200	9600	56713	9	-3	14	-4
9200	9625	57027	15	-2	23	-3
9200	9650	57022	20	-1	30	-0
9200	9675	57184	21	-2	27	-2
9200	9700	57392	20	-1	25	-2
9200	9725	57788	19	-2	26	-2
9200	9750	57865	13	-5	20	-6
9200	9775	57919	12	-6	16	-6
9200	9800	57494	12	-2	9	-4
9200	9825	57807	11	3	8	1
9200	9850	57431	9	-0	6	-2
9200	9875	57044	7	-0	7	-1
9200	9900	56913	6	-1	6	-1
9200	9925	57000	4	-1	4	-1
9200	9950	56773	8	2	8	2

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
9200	9975	56380	7	3	8	3
9200	10000	56007	9	4	7	4
Line	9300					
9300	8300	57084	6	2	7	3
9300	8325	57012	0	0	5	-0
9300	8350	57076	1	1	2	2
9300	8375	56988	1	4	0	4
9300	8400	56959	0	4	-2	4
9300	8425	*	*	*	*	*
9300	8450	*	*	*	*	*
9300	8475	*	*	*	*	*
9300	8500	*	*	*	*	*
9300	8525	*	*	*	*	*
9300	8550	*	*	*	*	*
9300	8575	*	*	*	*	*
9300	8600	*	*	*	*	*
9300	8625	*	*	*	*	*
9300	8650	*	*	*	*	*
9300	8675	56777	-1	-6	-6	-15
9300	8700	56714	-7	-8	-11	-10
9300	8725	56722	-13	-5	-18	-8
9300	8750	56795	-23	-6	-26	-8
9300	8775	56869	-19	-2	-25	-3
9300	8800	56938	-6	2	-11	2
9300	8825	57064	-2	3	-5	3
9300	8850	57215	-2	4	-5	3
9300	8875	57324	-9	1	-13	1
9300	8900	57469	-16	-1	-20	-1
9300	8925	56864	-7	5	-12	6
9300	8950	57013	-3	7	-11	8
9300	8975	57161	-0	10	-4	12
9300	9000	57128	4	13	-0	15
9300	9025	57288	1	13	-1	15
9300	9050	56990	5	13	1	15
9300	9075	56597	11	13	7	15
9300	9100	56610	23	14	16	15
9300	9125	56662	20	12	13	11
9300	9150	56631	15	9	11	8
9300	9175	56619	3	2	0	3
9300	9200	56524	-2	2	-4	2
9300	9225	*	*	*	*	*
9300	9250	*	*	*	*	*
9300	9275	*	*	*	*	*
9300	9300	*	*	*	*	*
9300	9325	*	*	*	*	*
9300	9350	*	*	*	*	*
9300	9375	*	*	*	*	*
9300	9400	*	*	*	*	*
9300	9425	*	*	*	*	*
9300	9450	57106	-2	9	1	11
9300	9475	56737	0	11	2	12
9300	9500	56089	3	11	4	12
9300	9525	56399	6	9	5	11
9300	9550	57660	7	8	10	10
9300	9575	57518	10	3	15	5
9300	9600	57444	14	1	19	2
9300	9625	57385	17	0	20	1

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
9300	9650	57279	17	0	20	1
9300	9675	57389	16	-0	22	1
9300	9700	57557	26	4	29	8
9300	9725	57561	16	-1	21	2
9300	9750	57425	17	-1	22	0
9300	9775	57309	15	-1	22	0
9300	9800	57389	16	-5	19	-4
9300	9825	57019	20	2	29	2
9300	9850	56540	21	-0	25	-0
9300	9875	56850	27	1	34	0
9300	9900	57269	30	3	37	4
9300	9925	57357	27	3	35	5
9300	9950	57659	24	2	31	5
9300	9975	57389	19	0	26	-1
9300	10000	57814	13	0	17	-0
Line	9400					
9400	8300	56989	2	-0	-2	-1
9400	8325	56968	4	0	-0	-0
9400	8350	56994	3	0	1	-0
9400	8375	56947	-2	-0	-5	-1
9400	8400	57015	-4	0	-8	-0
9400	8425	57021	-2	3	-10	2
9400	8450	*	*	*	*	*
9400	8475	*	*	*	*	*
9400	8500	*	*	*	*	*
9400	8525	*	*	*	*	*
9400	8550	*	*	*	*	*
9400	8575	*	*	*	*	*
9400	8600	*	*	*	*	*
9400	8625	*	*	*	*	*
9400	8650	*	*	*	*	*
9400	8675	*	*	*	*	*
9400	8700	*	*	*	*	*
9400	8725	56901	-7	-5	-11	-9
9400	8750	56767	-10	-2	-14	-5
9400	8775	56769	-17	-3	-24	-6
9400	8800	56776	-24	-4	-30	-6
9400	8825	57015	-27	-3	-28	-5
9400	8850	57086	-17	-0	-19	-0
9400	8875	57129	-11	3	-14	4
9400	8900	56967	-10	5	-12	5
9400	8925	57460	-9	5	-17	6
9400	8950	57367	-6	7	-11	7
9400	8975	57587	-1	8	-5	8
9400	9000	57816	-1	7	-4	7
9400	9025	57201	4	10	-1	11
9400	9050	57361	7	13	3	16
9400	9075	56891	11	16	7	19
9400	9100	56986	12	18	3	18
9400	9125	56592	2	17	0	16
9400	9150	56565	-3	16	-9	16
9400	9175	56564	-9	11	-9	11
9400	9200	56536	-16	2	-10	4
9400	9225	*	*	*	*	*
9400	9250	*	*	*	*	*
9400	9275	*	*	*	*	*
9400	9300	*	*	*	*	*

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
9400	9325	*	*	*	*	*
9400	9350	*	*	*	*	*
9400	9375	58456	-20	-9	-18	-9
9400	9400	58551	-15	-9	-15	-6
9400	9425	58854	-11	-5	-12	-4
9400	9450	58310	-0	5	-0	5
9400	9475	58063	4	9	0	9
9400	9500	57912	3	12	0	12
9400	9525	57290	3	12	4	13
9400	9550	57274	3	10	2	11
9400	9575	57126	2	10	1	11
9400	9600	57219	3	9	5	10
9400	9625	57077	6	9	4	10
9400	9650	56932	7	7	6	8
9400	9675	57379	4	3	3	3
9400	9700	57283	8	2	6	2
9400	9725	57119	15	5	14	5
9400	9750	57293	12	4	12	4
9400	9775	56996	10	2	9	2
9400	9800	56764	7	-4	8	-4
9400	9825	56619	12	-1	12	-1
9400	9850	56529	13	-6	11	-6
9400	9875	56749	13	-4	13	-5
9400	9900	57275	15	-2	16	-3
9400	9925	56877	13	0	11	-1
9400	9950	56720	12	-2	6	-4
9400	9975	56625	17	1	16	0
9400	10000	57148	17	3	16	1
line	9500					
9500	8300	56959	4	-3	0	-4
9500	8325	56985	-1	-4	-6	-6
9500	8350	57004	-3	-4	-6	-5
9500	8375	56991	-2	-3	-6	-4
9500	8400	*	*	*	*	*
9500	8425	*	*	*	*	*
9500	8450	*	*	*	*	*
9500	8475	*	*	*	*	*
9500	8500	*	*	*	*	*
9500	8525	*	*	*	*	*
9500	8550	*	*	*	*	*
9500	8575	*	*	*	*	*
9500	8600	*	*	*	*	*
9500	8625	*	*	*	*	*
9500	8650	*	*	*	*	*
9500	8675	*	*	*	*	*
9500	8700	56812	5	-8	6	-12
9500	8725	56863	-3	-9	-4	-12
9500	8750	56919	-7	-6	-7	-9
9500	8775	57103	-14	-7	-12	-8
9500	8800	57051	-15	-4	-20	-8
9500	8825	57674	-22	-4	-29	-9
9500	8850	58108	-20	-2	-25	-7
9500	8875	57075	-16	-0	-20	-5
9500	8900	56936	-17	0	-24	-4
9500	8925	57209	-23	-0	-23	-3
9500	8950	57359	-28	-1	-33	-3
9500	8975	57581	-21	1	-26	0

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
9500	9000	57577	-9	3	-15	2
9500	9025	56988	0	4	1	1
9500	9050	56947	1	3	4	3
9500	9075	56938	4	11	3	10
9500	9100	56449	5	11	5	12
9500	9125	56527	2	17	3	13
9500	9150	57110	-3	15	-6	11
9500	9175	56988	-9	15	-10	9
9500	9200	*	*	*	*	*
9500	9225	*	*	*	*	*
9500	9250	*	*	*	*	*
9500	9275	57366	-32	-16	-41	-10
9500	9300	58833	-27	-16	-28	-10
9500	9325	58369	-29	-16	-35	-11
9500	9350	58373	-27	-15	-28	-13
9500	9375	58436	-24	-14	-26	-11
9500	9400	58154	-21	-15	-22	-15
9500	9425	58008	-22	-14	-26	-13
9500	9450	58824	-10	-12	-15	-10
9500	9475	58330	-7	-6	-13	-5
9500	9500	58142	-4	0	-8	1
9500	9525	57720	-2	4	-3	5
9500	9550	57541	-1	5	-3	7
9500	9575	57490	-3	6	-0	7
9500	9600	57374	-2	8	-8	10
9500	9625	57142	0	8	-0	9
9500	9650	57521	0	9	-2	11
9500	9675	56514	4	9	2	10
9500	9700	56560	5	9	3	10
9500	9725	56819	12	8	8	10
9500	9750	57145	13	9	10	10
9500	9775	57408	11	7	8	8
9500	9800	57531	16	9	11	12
9500	9825	57406	13	8	9	9
9500	9850	56687	8	7	6	7
9500	9875	55846	8	3	0	4
9500	9900	55881	6	2	0	3
9500	9925	56533	10	1	9	2
9500	9950	57113	12	5	11	6
9500	9975	57148	11	4	7	5
9500	10000	57279	2	3	0	4
Line	9600					
9600	8300	56967	-3	-3	-7	-3
9600	8325	56979	-4	-5	-7	-4
9600	8350	56960	-6	-7	-7	-5
9600	8375	56980	-6	-9	-7	-5
9600	8400	57042	0	-6	0	-1
9600	8425	57044	-1	-2	-0	1
9600	8450	56913	1	-1	1	4
9600	8475	57080	-8	-2	-8	4
9600	8500	*	*	*	*	*
9600	8525	*	*	*	*	*
9600	8550	*	*	*	*	*
9600	8575	*	*	*	*	*
9600	8600	*	*	*	*	*
9600	8625	*	*	*	*	*
9600	8650	*	*	*	*	*

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
9600	8675	*	*	*	*	*
9600	8700	57150	3	-5	3	-14
9600	8725	57182	-1	-4	-2	-12
9600	8750	57859	-5	-4	-8	-9
9600	8775	56922	-11	-5	-13	-9
9600	8800	57295	-11	-4	-11	-7
9600	8825	57123	-9	-2	-14	-6
9600	8850	56967	-11	-3	-16	-6
9600	8875	57034	-15	-4	-19	-8
9600	8900	56772	-12	-3	-20	-7
9600	8925	56870	-7	-0	-11	-5
9600	8950	56764	0	3	-4	-0
9600	8975	56596	-8	0	-14	-1
9600	9000	56882	-14	-0	-23	-2
9600	9025	56821	-12	1	-18	0
9600	9050	56885	-7	6	-14	5
9600	9075	56882	-0	11	-6	11
9600	9100	56636	0	17	-2	15
9600	9125	56708	-16	7	-16	10
9600	9150	57140	-15	5	-20	9
9600	9175	56917	-27	1	-25	4
9600	9200	56748	-29	0	-29	4
9600	9225	56735	-21	8	-27	11
9600	9250	56701	-19	11	-21	15
9600	9275	56576	-21	13	-16	18
9600	9300	56426	-30	13	-23	21
9600	9325	56378	-39	9	-35	18
9600	9350	57114	-40	-0	-41	6
9600	9375	57071	-31	-3	-42	0
9600	9400	57210	-18	-6	-23	-4
9600	9425	57755	-7	-11	-9	-9
9600	9450	57677	-8	-13	-9	-12
9600	9475	57717	-11	-17	-20	-17
9600	9500	57764	-16	-17	-21	-17
9600	9525	57660	-16	-13	-23	-14
9600	9550	58455	-13	-9	-15	-7
9600	9575	58372	-11	-5	-16	-4
9600	9600	58298	-9	-2	-15	-0
9600	9625	58302	-8	0	7	2
9600	9650	57966	-4	1	7	0
9600	9675	58548	-1	3	0	3
9600	9700	57879	2	2	-3	4
9600	9725	57548	-1	3	-1	4
9600	9750	57341	2	3	1	4
9600	9775	57567	5	2	3	4
9600	9800	57397	-5	-1	-3	0
9600	9825	57238	13	9	14	11
9600	9850	56460	10	6	10	8
9600	9875	56739	14	6	0	0
9600	9900	57257	16	8	19	10
9600	9925	57355	18	9	18	11
9600	9950	56789	16	8	17	10
9600	9975	56912	9	4	12	7
9600	10000	57345	5	0	4	3
Line	9700					
9700	8300	56965	-13	-1	-16	0
9700	8325	56982	-20	-6	-22	-2

			SEATTLE		HAWAII	
LINE	STATION	TOTAL MAG	IN PHASE	QUAD	IN PHASE	QUAD
9700	8350	56974	-17	-2	-21	0
9700	8375	56911	-5	3	-11	4
9700	8400	56950	-9	-0	-15	1
9700	8425	56956	-10	-0	-15	1
9700	8450	56948	-4	3	-9	5
9700	8475	56933	-9	2	-17	6
9700	8500	*	*	*	*	*
9700	8525	*	*	*	*	*
9700	8550	*	*	*	*	*
9700	8575	*	*	*	*	*
9700	8600	*	*	*	*	*
9700	8625	*	*	*	*	*
9700	8650	*	*	*	*	*
9700	8675	57421	-4	-11	1	-18
9700	8700	57317	-2	-5	-9	-12
9700	8725	57438	3	-3	2	-9
9700	8750	57385	5	-3	0	-10
9700	8775	57290	4	-5	2	-9
9700	8800	57211	1	-5	-2	-9
9700	8825	56927	5	-3	0	-7
9700	8850	56599	6	-3	-1	-9
9700	8875	56827	-1	-4	-3	-7
9700	8900	57146	-5	-3	-12	-5
9700	8925	56632	-13	-3	-21	-6
9700	8950	56731	-12	-1	-18	-2
9700	8975	57038	-11	-0	-17	-0
9700	9000	56990	-8	2	-18	2
9700	9025	57001	-4	4	-11	3
9700	9050	56684	-1	7	-6	4
9700	9075	56356	-3	10	-4	9
9700	9100	56418	-20	2	-18	5
9700	9125	56781	-23	-0	-20	3
9700	9150	56975	-20	1	-17	5
9700	9175	57068	-22	-0	-19	2
9700	9200	57073	-19	5	-20	7
9700	9225	57433	-22	7	-21	9
9700	9250	57968	-25	11	-29	14
9700	9275	56756	-32	13	-41	16
9700	9300	56576	-48	8	-63	11
9700	9325	56950	-45	8	-54	8
9700	9350	56977	-35	4	-53	3
9700	9375	56841	-32	0	-43	-0
9700	9400	57119	-33	-6	-44	-6
9700	9425	57427	-31	-0	-47	-6
9700	9450	56875	-25	3	-46	0
9700	9475	56860	-23	-3	-27	-7
9700	9500	57318	-18	-9	-23	-12
9700	9525	57303	-14	-13	-22	-16
9700	9550	57320	-8	-12	-10	-13
9700	9575	57607	-10	-13	-14	-16
9700	9600	58087	-11	-12	-13	-15
9700	9625	58218	-12	-10	-16	-12
9700	9650	58034	-7	-7	-13	-8
9700	9675	58294	-4	-3	-11	-5
9700	9700	58537	-0	-1	-5	-1
9700	9725	58510	-2	-1	-10	-2
9700	9750	57483	-3	-1	-6	-0

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
9700	9775	57469	-7	-5	-12	-4
9700	9800	57460	-9	-4	3	1
9700	9825	57407	11	5	10	4
9700	9850	57156	9	3	6	3
9700	9875	57154	6	2	6	1
9700	9900	57000	4	0	5	-0
9700	9925	57341	7	0	7	0
9700	9950	57211	5	0	7	0
9700	9975	56892	8	-0	8	-0
9700	10000	56811	7	-1	8	-1
LINE	9800					
9800	8300	57156	-1	1	-4	2
9800	8325	56797	-1	4	-1	4
9800	8350	57123	-8	4	-8	4
9800	8375	56923	-7	6	-9	6
9800	8400	*	*	*	*	*
9800	8425	*	*	*	*	*
9800	8450	*	*	*	*	*
9800	8475	*	*	*	*	*
9800	8500	*	*	*	*	*
9800	8525	*	*	*	*	*
9800	8550	*	*	*	*	*
9800	8575	*	*	*	*	*
9800	8600	*	*	*	*	*
9800	8625	*	*	*	*	*
9800	8650	*	*	*	*	*
9800	8675	*	*	*	*	*
9800	8700	*	*	*	*	*
9800	8725	*	*	*	*	*
9800	8750	*	*	*	*	*
9800	8775	*	*	*	*	*
9800	8800	57307	-6	-4	-15	-9
9800	8825	57398	-3	-9	-12	-12
9800	8850	57298	6	-9	2	-11
9800	8875	56652	5	-8	-1	-10
9800	8900	56571	0	-7	-6	-12
9800	8925	56669	2	-8	-4	-12
9800	8950	56782	8	-7	-0	-11
9800	8975	57174	11	-4	7	-7
9800	9000	56610	7	-3	7	-5
9800	9025	56324	2	-3	3	-4
9800	9050	56386	-10	-5	-3	-5
9800	9075	56492	-20	-7	-19	-6
9800	9100	56511	-29	-8	-23	-9
9800	9125	56566	-22	-1	-22	-2
9800	9150	56620	-18	-0	-14	-1
9800	9175	56977	-19	-2	-16	-3
9800	9200	57409	-24	-5	-19	-4
9800	9225	57416	-31	-4	-34	-5
9800	9250	57296	-28	-2	-30	-1
9800	9275	57054	-26	3	-20	4
9800	9300	57573	-22	4	-24	6
9800	9325	57177	-20	6	-21	10
9800	9350	56969	-19	8	-20	12
9800	9375	57066	-24	6	-26	11
9800	9400	56941	-17	11	-20	16
9800	9425	57016	-20	7	-21	11

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
9800	9450	57027	-28	-0	-31	5
9800	9475	56650	-22	-0	-28	5
9800	9500	57627	-17	-3	-21	0
9800	9525	58403	-17	-7	-21	-4
9800	9550	58257	-12	-4	-23	-3
9800	9575	58036	-8	-4	-12	-3
9800	9600	57513	7	2	6	6
9800	9625	56812	10	4	12	7
9800	9650	56548	12	4	15	7
9800	9675	56371	9	1	11	4
9800	9700	56985	6	-6	6	-5
9800	9725	57492	1	-8	2	-8
9800	9750	57394	-6	-2	-4	-3
9800	9775	57348	-3	-3	-6	-3
9800	9800	57170	8	0	5	7
9800	9825	56968	12	1	18	4
9800	9850	57486	14	-0	15	3
9800	9875	57643	10	0	16	3
9800	9900	57739	8	0	14	2
9800	9925	57737	11	1	16	3
9800	9950	57529	8	-0	12	1
9800	9975	57668	9	-0	13	0
9800	10000	57555	7	-1	8	-0
LINE	9900					
9900	8300	56905	-3	0	-5	0
9900	8325	56901	-7	-1	-13	-1
9900	8350	57184	-4	1	-9	0
9900	8375	56821	-3	2	-9	1
9900	8400	57079	-4	2	-6	2
9900	8425	56904	2	7	-4	9
9900	8450	57080	-9	4	-8	7
9900	8475	*	*	*	*	*
9900	8500	*	*	*	*	*
9900	8525	*	*	*	*	*
9900	8550	*	*	*	*	*
9900	8575	*	*	*	*	*
9900	8600	*	*	*	*	*
9900	8625	*	*	*	*	*
9900	8650	*	*	*	*	*
9900	8675	*	*	*	*	*
9900	8700	*	*	*	*	*
9900	8725	*	*	*	*	*
9900	8750	*	*	*	*	*
9900	8775	*	*	*	*	*
9900	8800	*	*	*	*	*
9900	8825	57594	-22	-5	-22	-6
9900	8850	57243	-13	-7	-17	-8
9900	8875	57092	5	-5	4	-5
9900	8900	57033	13	-10	15	-8
9900	8925	57295	11	-8	12	-9
9900	8950	57295	8	-8	15	-11
9900	8975	57243	10	-7	13	-7
9900	9000	57006	17	-7	19	-6
9900	9025	56844	6	-7	8	-9
9900	9050	56669	4	-6	11	-7
9900	9075	56509	-4	-7	1	-6
9900	9100	57373	-15	-7	-9	-7

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
9900	9125	57641	-11	-6	-4	-4
9900	9150	57714	-12	-4	-7	-3
9900	9175	57894	-3	-2	6	-1
9900	9200	57643	-4	-2	4	-0
9900	9225	57430	-16	-5	-3	-0
9900	9250	57228	-14	-2	-6	-0
9900	9275	57176	-17	-2	-10	-1
9900	9300	57159	-16	-0	-12	1
9900	9325	57115	-13	1	-8	2
9900	9350	57243	-11	4	-7	6
9900	9375	57104	-10	7	-5	8
9900	9400	57104	-13	7	-6	8
9900	9425	57030	-13	9	-6	12
9900	9450	56952	-20	7	-17	10
9900	9475	57206	-26	4	-27	7
9900	9500	57144	-24	1	-26	4
9900	9525	57042	-21	-4	-21	-1
9900	9550	57732	-22	-8	-20	-6
9900	9575	58285	-16	-11	-15	-9
9900	9600	58785	-10	-8	-7	-8
9900	9625	58630	-8	-6	-7	-5
9900	9650	57169	7	2	10	3
9900	9675	57152	12	3	20	2
9900	9700	56908	22	7	30	9
9900	9725	57208	10	2	18	6
9900	9750	57268	-2	-3	6	-0
9900	9775	57087	-12	-8	-5	-6
9900	9800	57549	-37	-41	-35	-34
9900	9825	57741	10	0	13	0
9900	9850	58044	6	-5	9	-3
9900	9875	57783	2	-4	2	-3
9900	9900	57240	1	-4	1	-3
9900	9925	57700	5	-1	4	-1
9900	9950	57996	5	-3	6	-2
9900	9975	57563	5	-4	3	-3
9900	10000	57560	1	-7	2	-7
LINE	10000					
10000	8300	56854	0	2	-3	-1
10000	8325	56862	-3	1	-6	-2
10000	8350	56852	-2	-0	-5	-2
10000	8375	56928	2	-0	5	-1
10000	8400	56911	-0	0	-4	-0
10000	8425	56661	-3	0	-3	0
10000	8450	*	*	*	*	*
10000	8475	*	*	*	*	*
10000	8500	*	*	*	*	*
10000	8525	*	*	*	*	*
10000	8550	*	*	*	*	*
10000	8575	*	*	*	*	*
10000	8600	*	*	*	*	*
10000	8625	*	*	*	*	*
10000	8650	*	*	*	*	*
10000	8675	*	*	*	*	*
10000	8700	*	*	*	*	*
10000	8725	57730	-11	-7	-0	-12
10000	8750	57082	-11	-2	-2	-7
10000	8775	57177	-14	-2	-8	-3

LINE	STATION	TOTAL MAG	SEATTLE IN PHASE	SEATTLE QUAD	HAWAII IN PHASE	HAWAII QUAD
10000	8800	57268	-9	-2	-3	-4
10000	8825	57248	-5	-1	-2	-2
10000	8850	57162	-3	-0	-2	-2
10000	8875	56949	0	-1	2	-1
10000	8900	56944	-0	-1	-0	-0
10000	8925	56965	2	-1	5	1
10000	8950	56969	2	-1	9	2
10000	8975	57110	-0	6	4	10
10000	9000	56920	-2	3	4	6
10000	9025	56857	-7	0	-5	4
10000	9050	56954	-10	0	-4	2
10000	9075	56901	-8	0	-2	0
10000	9100	56930	-10	-0	-3	0
10000	9125	56877	-8	-1	-4	-0
10000	9150	56873	-5	-1	-0	-0
10000	9175	56894	-15	-5	-9	-4
10000	9200	57068	-15	-6	-6	-4
10000	9225	57358	-18	-5	-10	-2
10000	9250	57367	-19	-4	-14	-1
10000	9275	57418	-20	-6	-17	-5
10000	9300	57208	-18	-4	-15	-3
10000	9325	57591	-14	-1	-10	-0
10000	9350	57474	-14	-1	-10	-0
10000	9375	57442	-14	-1	-9	-0
10000	9400	57284	-14	-1	-12	0
10000	9425	57715	-13	3	-9	4
10000	9450	57790	-20	2	-18	3
10000	9475	57150	-23	3	-21	4
10000	9500	56902	-24	2	-20	4
10000	9525	57797	-13	-0	-9	2
10000	9550	58263	-15	-1	-10	1
10000	9575	58515	-16	-3	-12	-1
10000	9600	57949	-15	0	-12	4
10000	9625	57898	-21	-6	-11	-3
10000	9650	57942	-19	-6	-16	-2
10000	9675	57858	-13	-4	-10	-1
10000	9700	58075	-2	1	-1	2
10000	9725	57871	6	0	11	0
10000	9750	58058	9	3	13	3
10000	9775	56891	5	1	9	1
10000	9800	57458	-25	-20	-23	-17
10000	9825	57763	24	18	24	17
10000	9850	57511	14	8	15	8
10000	9875	57124	13	5	15	4
10000	9900	57153	7	2	8	5
10000	9925	58072	10	3	10	5
10000	9950	57468	5	0	7	2
10000	9975	57519	7	0	7	2
10000	10000	57546	9	0	9	2

APPENDIX VI

COST STATEMENTS

COST STATEMENT - MURRAY 90 GROUP

1.0 Fees and Wages

L. Lee, Geologist	23	days @ $250/day	$5,750.00
R. Young, Junior Geol	18	days @ $200/day	3,600.00
G. Duso, Assistant	14	days @ $150/day	2,100.00
M. Holmes, Assistant	1	days @ $150/day	150.00
M. Kirker, Assistant	26	days @ $150/day	3,900.00
			$15,500.00

2.0 Analytical Costs

Rock Samples:	
142 geochem samples @ $20/sample	$2,840.00
57 litho samples @ $30/sample	1,710.00
8 orientation samples @ $60/sample	480.00
Soil Samples: 1164 samples @ $11/sample	12,804.00
	$17,834.00

3.0 Geophysical Survey

Quest Canada Ltd., 22.9 km @ $180/km	$4,122.00

4.0 Transportation and Accommodation

Truck rental:	
1 Toyota 4-Runner 23 days @ $40/day	$920.00
1 Toyota 4-Runner 20 days @ $40/day	800.00
Fuel and Supplies	1,300.00
Room and Board 82 man days @ $40/day	3,280.00
	$6,300.00

TOTAL: $43,756.00

COST STATEMENT - INGRAM 90 GROUP

1.0 Fees and Wages

L. Lee, Geologist	14	days @	$250/day	$3,500.00
R. Young, Junior Geol	2	days @	$200/day	400.00
G. Duso, Assistant	8	days @	$150/day	1,200.00
M. Holmes, Assistant	7	days @	$150/day	1,050.00
M. Kirker, Assistant	15	days @	$150/day	2,250.00
				$8,400.00

2.0 Analytical Costs

Rock Samples:		
13 geochem samples @ $20/sample		$260.00
7 litho samples @ $30/sample		210.00
Soil Samples: 661 samples @ $11/sample		$7,271.00
		$7,741.00

3.0 Geophysical Survey

Quest Canada Ltd., 14.1 km @ $180/km	$2,538.00

4.0 Transportation and Accommodation

Truck rental:				
1 Toyota 4-Runner	14	days @	$40/day	$560.00
1 Toyota 4-Runner	8	days @	$40/day	320.00
Fuel and Supplies				600.00
Room and Board	46	man days @	$40/day	1,840.00
				$3,320.00

TOTAL:	$21,999.00

APPENDIX VII

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Linda J. Lee certify that:

1.0 I am an exploration geologist residing at Lind Creek Road (Box 248), Greenwood, B.C.

2.0 I obtained a B.A.Sc. in Geological Engineering (Honours) in the Mineral Exploration Option, from the University of British Columbia (1985).

3.0 I graduated with an M.Sc. in Geology and Geophysics from the University of Calgary (1988).

4.0 I have practised my profession continually since 1987 and have worked in the mineral exploration industry since 1980.

5.0 I am employed by Minnova Inc. and have personally carried out or supervised the work covered in this report.

Date: Nov 9/90

L. Lee

Linda Lee