093459

REPORT ON

1995 GRID SOIL GEOCHEMICAL SURVEY

OF THE

CLIP PROPERTY

DAWSON MINING DISTRICT

NTS 116C/1

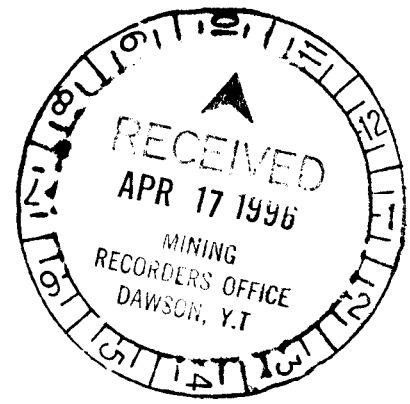
Lat.: 64° 14' N. Long.: 140° 25' W

BY

Uwe Schmidt, P.Geo.

FOR

ATNA RESOURCES LTD.



March. 26, 1996

TABLE OF CONTENTS

Appendices

List of Illustrations

1. SUMMARY

Atna Resources Ltd. explored the Clip property 55 km northwest of Dawson City, Yukon under an option agreement with YGC Resources Ltd. The Clip property is underlain by metasedimentary rocks of Devono-Mississippian Nasina assemblage. Previous work on the property by Cominco, Archer Cathro and Associates and Kennecott Canada Inc., outlined a large coincident Pb and Zn anomaly in the centre of the property. Mineralization associated with this anomaly consists of disseminated, blebby and fracture-filled galena, sphalerite and minor pyrite in a distinctive buff-coloured to rusty weathering quartzite. Banded baritic float, high concentrations of barium within the quartzite, and lead isotope work on mineralization from a nearby, similar geologic setting have provided encouragement for further exploration of the property as a sedimentary-exhalative (SEDEX) target.

Atna explored the property in 1995 by expanding the existing soil grid, prospecting and hand trenching. The soil survey indicates exploration potential in southeast corner of the property where a coincident Pb-Zn anomaly was outlined. A weak geochemical copper association with lead-zinc in soils was determined by a statistical analysis of the geochemical data. Two lower priority exploration targets are indicated by this association.

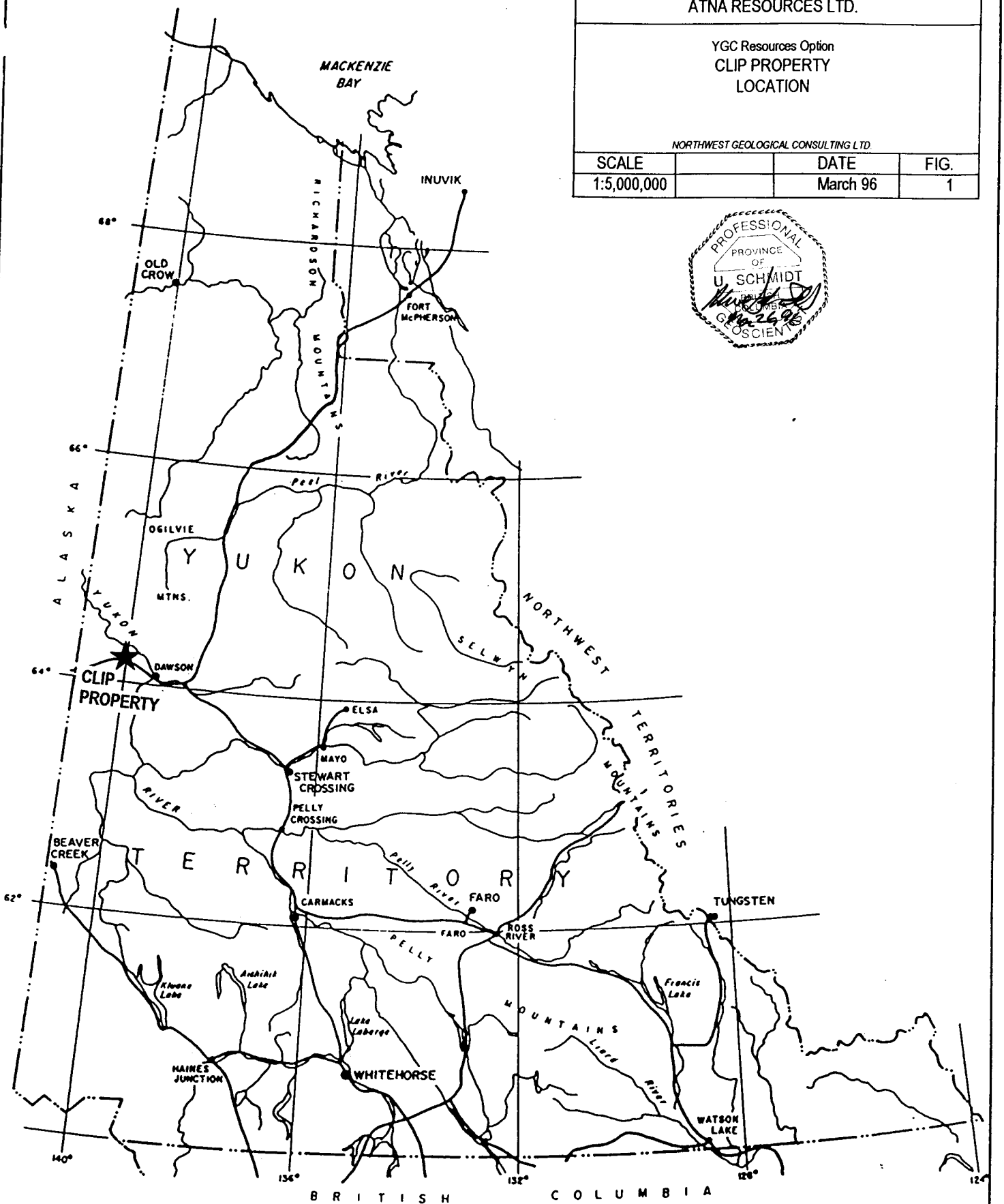
1. INTRODUCTION

The recent discovery of the ABM polymetallic massive sulphide deposit by Cominco Ltd. in Finlayson Lake area of south-central Yukon has renewed an interest by other mining and exploration companies in volcanogenic massive sulphide (VMS) deposits within Yukon-Tanana Terrane. The fault-displaced extension of Yukon-Tanana which hosts this deposit lies west of Dawson City, southwest of the Tintina Fault Zone. It is this geological setting which attracted Atna Resources to the area and led to an option agreement with YGC Resources covering five mineral properties, including the Clip claims.

From July 18 to 25, 1995, Atna Resources Ltd. explored the Clip property in the Dawson City area of the Yukon. Exploration included a grid soil geochemical survey, hand-trenching and prospecting. The 1995 program was intended to evaluate the potential for SEDEX style, strata-bound, base metal mineralization in the Nasina Assemblage of the Yukon-Tanana Terrane. This was done by delineating known geochemical anomalies with a tighter sample line spacing. Possible source areas for mineralized float were tested by hand trenching and isolated soil anomalies in the southeast corner of the property were covered by grid soil sampling.

Work was carried out by Northwest Geological Consulting Ltd. employees from a fly camp located on the Mic property, approximately 10 km north of the property, by road. A total of 280 soil samples were collected along 12.5 km of line. The writer was contracted by Atna Resources to carry out field management and supply field crews. Field crew consisted of the writer and field assistants Ron Beauchamp and Regan Moran. Overall program supervision was provided by Peter DeLancey, P.Eng., president of Atna Resources Ltd.

ATNA RESOURCES LTD.			
YGC Resources Option CLIP PROPERTY LOCATION *NORTHWEST GEOLOGICAL CONSULTING LTD.*			
SCALE		DATE	FIG.
1:5,000,000		March 96	1



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
U. SCHMIDT
GEOSCIENTIST

2. PROPERTY, LOCATION AND ACCESS

The Clip property consists of 44 quartz mineral claims, covering an area of 920 hectares, located approximately 60 km, by road, northwest of Dawson City, Yukon. The claims are registered in the Dawson Mining District in the name of YGC Resources Ltd. Two of the forty-four claims were staked in 1995 to cover an area in the southeast corner of the property prior to grid soil sampling.

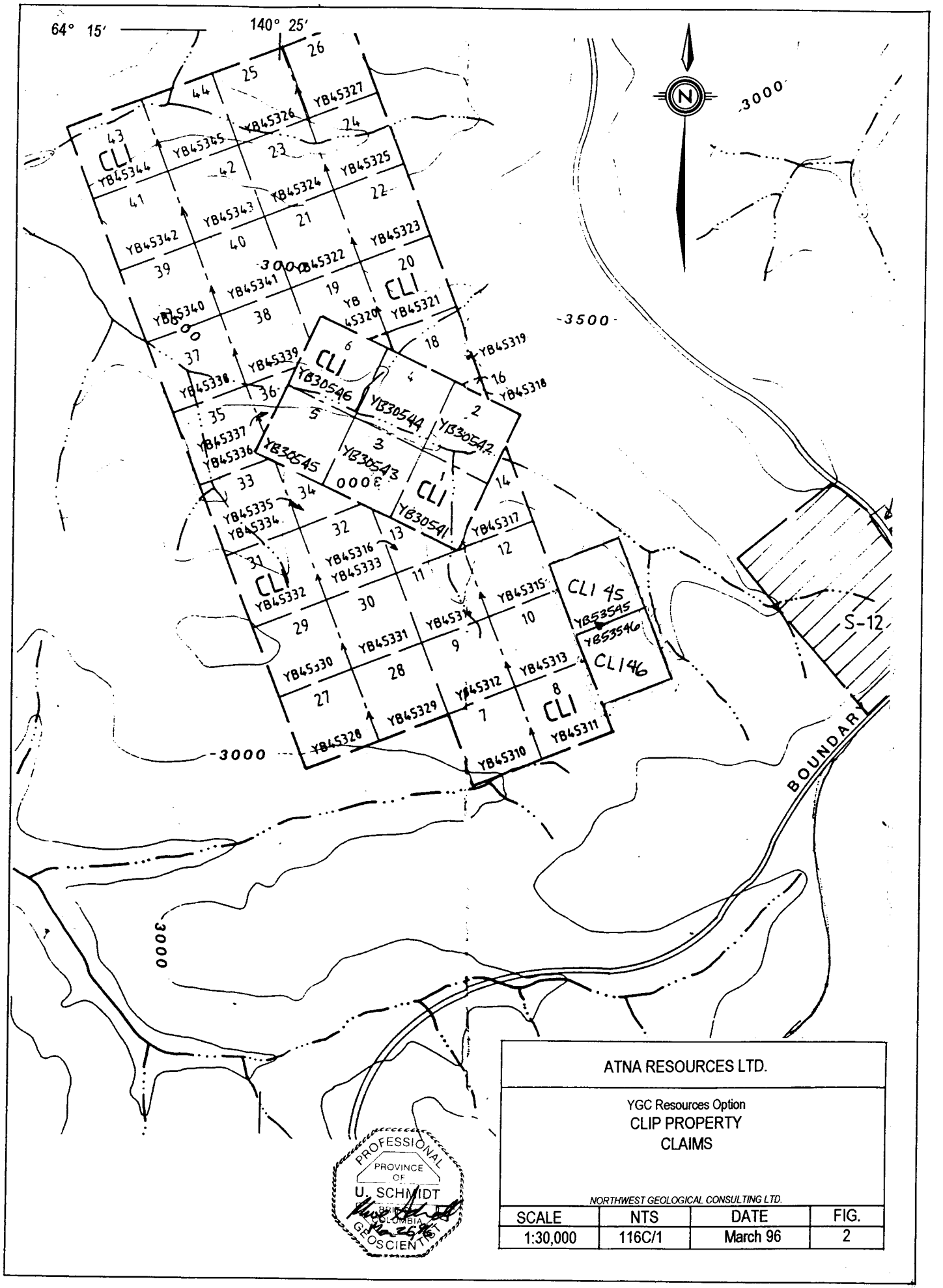
The property is within walking distance of the Clinton Creek road and the "Top of the World Highway". The Clinton Creek road is an infrequently used gravel road which parallels the eastern claim boundary, approximately 1 km east of the claims. The southeast corner of the property is located 2.5 km west of the junction of highway 9, "Top of the World Highway" and the Clinton Creek road.

The coordinates of the approximate centre of the property are latitude 64° 14' N and longitude 140° 25' W, located within NTS map areas 116C/1.

Name	**Grant Numbers**	**Lapse Date**
Cli 1-6	YB30541-YB30546	Mar. 4, 1996
Cli 7-14	YB45310-YB45317	Mar. 4, 1996
Cli 16	YB45318	Mar. 4, 1996
Cli 18-44	YB45319-YB45345	Mar. 4, 1996
Cli 45-46	YB53545-YB53546	July 17, 1997

3. PHYSIOGRAPHY

The property lies within the Klondike Plateau, a minor, unglaciated, subdivision of the Yukon Plateau. Ridge crests generally lie at elevations ranging from 600 to 1100 metres and



ATNA RESOURCES LTD.

YGC Resources Option
CLIP PROPERTY
CLAIMS

NORTHWEST GEOLOGICAL CONSULTING LTD.

SCALE	NTS	DATE	FIG.
1:30,000	116C/1	March 96	2

probably represent an old uplifted erosion surface (Green, 1972). Major streams and rivers have gentle gradients but tributary streams occupy narrow, V-shaped valleys with steep gradients and well developed dendritic patterns. The claims cover the headwaters of a tributary of Bruin Creek which is a tributary of the Forty Mile River. Bedrock exposure in the area is limited to road cuts, steep north-facing and east-facing slopes, creek valleys and sporadic outcrops along the ridge tops. Overburden thickness varies over the property but in general ranges from 1 to 4 metres.

At higher elevations, the property is covered by "buckbrush" (dwarf birch) and mosses with isolated patches of spruce and alpine fir. At lower elevations, most of the vegetation on the property was destroyed by fire in 1991.

4. HISTORY

The property was first staked by Cominco Ltd. in 1978. This was followed by a program of line-cutting, grid soil sampling, mapping and prospecting in 1979. The property was restaked in 1991 by Archer Cathro and Associates for YGC Resources Ltd. Archer Cathro explored the area around the claims by stream sediment sampling, prospecting and limited reconnaissance soil sampling. In 1993, Kennecott Canada Inc., on behalf of YGC Resources Ltd., extended the claims and explored the property by grid soil sampling, mapping and hand trenching. The 1993 program was carried out jointly by Archer Cathro and Kennecott employees.

Atna Resources Ltd. explored the property in 1995 by grid soil sampling, hand trenching and prospecting. Prior to commencing work, two claims were added in the southeast corner of the property to cover an area of proposed grid soil sampling. The statistical analysis and interpretation of previous and current geochemical surveys are emphasized in this report.

5. REGIONAL GEOLOGY

A large area of the western to southeastern Yukon is underlain by the Yukon-Tanana Terrane (YTT). This geologically complex terrane consists of polydeformed metamorphic rocks derived from a variety of igneous and sedimentary protoliths thought to have originated outboard of North American autochthonous strata, and ranges in age from Precambrian to Recent. Yukon-Tanana Terrane is host to a variety of economically important classes of mineral deposits. Recently, exploration has focussed on stratabound massive sulphide deposits that occur in subdivisions of this terrane in two areas of the Yukon. A number of stratabound base metal occurrences are known west and south of Dawson City. A second group of similar but economically more important mineral occurrences is known in YTT of Finlayson Lake area. The geology is similar to Dawson area but is now geographically removed by 450 km of right-lateral displacement along the Tintina Fault.

Mortensen (1992) divided the YTT into 3 structural assemblages: 1) Nisling assemblage, a lower structural package of quartzite and marble of possible Proterozoic and/or Cambrian age; 2) Nasina assemblage, a middle structural package of Late Devonian to middle Mississippian carbonaceous metasedimentary, mafic and felsic metavolcanic rocks; 3) an upper structural package of mid-Permian felsic metavolcanic (Klondike Schist) and metaplutonic rocks.

Three classes of stratabound, syngenetic mineralization have been identified in YTT. These are:

1) Kuroko-type VMS deposits, hosted by metamorphosed felsic volcanic and subvolcanic rocks;

2) Besshi-type VMS deposits, hosted mainly by metamorphosed mafic volcanic and associated sedimentary rocks;

3) SEDEX-type deposits, hosted mainly by metamorphosed carbonaceous siliciclastic rocks.

6. PROPERTY GEOLOGY

The property and surrounding area are predominantly underlain by metamorphic rocks of sedimentary origin. These rocks were assigned to unit A, Nasina "Series" by Green (1972) and belong to Mortensen's middle structural assemblage (Nasina). They consist primarily of medium to dark grey, fine-grained carbonaceous , quartz-muscovite +/- chlorite, biotite schists, muscovite-bearing quartzite and minor marble. This structural assemblage may also contain pebble conglomerate, chloritic schists and amphibolite, but these were not observed on the property.

Because of limited time, the lack of bedrock exposure and the poor condition of the old grid, no property scale mapping was carried out. During the 1995 program, geological work was restricted to an examination of known mineralized areas, trenches and to prospecting within areas of previous soil anomalies. The best bedrock exposures occur on steep north-facing and east-facing slopes. These areas are primarily covered by locally derived talus with occasional resistant outcrops of dark grey carbonaceous quartz-muscovite schist and marble. Foliation attitudes are highly variable but generally strike from northwest to east-west with steep to moderate southerly dips.

Two mineralized float trains (zones A & B) were discovered by Cominco (Olfert, 1979). Zone A mineralization consists of thinly banded sphalerite, barite and minor pyrite in quartzite. Zone B is located on the same talus slope, approximately 300 metres west of zone A. Buff weathering, blocky talus fragments of quartzite are mineralized thin laminations and stringers of galena, sphalerite and minor pyrite. Zone A and B lie within a Pb-Zn geochemical soil anomaly previously outlined by Cominco and Kennecott.

The mineralized talus fragments are a minor component of the talus slope that is predominantly composed of carbonaceous, quartz-muscovite schist fragments. Cominco's samples of the mineralization ranged from 2.0 to 9.2% Zn and from 1.15% to 11.41% Ba. A

15 cm thick horizon of buff weathering, micaceous quartzite was located in outcrop by Cominco geologists in Zone A. Samples of this material returned analyses of 325 ppm Pb and 3,450 ppm Zn.

The writer examined both areas in 1995 but was unable to locate the mineralized outcrop in zone A. Numerous fragments of beige coloured, thinly laminated quartzite occur in the B zone area. About 10% of these contain visible galena, sphalerite and finely disseminated pyrite. Assays reported by Cominco represent grades that are obtained by selective sampling. The average concentrations for talus boulders would be much lower. The largest fragments of mineralized quartzite have dimensions of approximately 1 metre length, 0.5 metre width and a thickness of 0.5 metres

Hand trenches were excavated up slope from mineralized float at four sites in zone B (see Appendix C for details). Bedrock was not reached in these trenches but samples of talus fines were taken at the bottom of each trench. All samples returned anomalous concentrations of Cu, Pb and Zn. The highest analyses were obtained from trench C 1, with analyses of 45 ppm Cu, 2,535 ppm Pb and 626 ppm Zn and 3.3 ppm Ag. Six mineralized pieces of float were found in this trench. One of these returned analyses of 33 ppm Cu, 22,288 ppm Pb, 102 ppm Zn, 27.4 ppm Ag and 12,096 ppm Ba.

7. GEOCHEMISTRY

Grid soil sampling was carried out in two areas of the property. In the centre of the property, two sample lines were added to increase the sample density in the vicinity of known anomalies and an existing line was extended towards the southwest. Previous lines in this area have a line spacing of 200 metres. Lines added in 1995 decrease the line spacing to 100 metres.

The second area of sampling, covers the southern and southeast end of the property. Prior to

commencing the grid soil sampling, two claims were added to the southeast corner of the property. These claims cover an area with isolated high zinc concentrations detected by a reconnaissance soil survey in 1991. The base-lines on the existing 1993 grid were established along the claim lines without slope correction. The new lines were established by slope corrected, chain and compass surveys but used the base-line stations established in 1993. All lines have a 100 metre station spacing and sample interval of 50 metres.

Previous grid soil surveys include approximately 220 samples taken by Cominco in 1979. Archer Cathro and Associates briefly explored the area in 1991 by stream sediment sampling and two reconnaissance soil sample traverses. In 1993 Kennecott Canada Inc. collected 291 soil samples at a 50 metre by 200 metre grid spacing. A total of 280 soil samples were collected during the 1995 program. An additional 13 soil samples were collected from soil profiles at previous anomalous sites.

Sample lines are marked with orange flagging tape and were established by slope-corrected compass and "hip-chain" surveys. Grid stations are identified by blue and orange flagging tape with grid coordinates marked on "Tivek" tags. The grid coordinates were also used to identify the soil sample. Samples of B horizon soils were collected using sampling shovels or mattocks. Soils typically consist of clay rich-colluvium covered by a variable thickness of organic material. Sample depths ranged from 20 to 40 cm. Samples taken on steep east-facing and north-facing slopes often contain abundant angular talus fragments. Soils are poorly developed in these areas and samples may consist primarily of talus fines. Permafrost development is variable and did not hinder sampling.

Samples were analyzed by Acme Analytical Laboratories Ltd. of Vancouver, employing a standard 30 element Inductively Coupled Argon Plasma (ICP) package with gold analyzed by acid leach/AA from a 10 g sample. Certificates of analyses are appended to this report (Appendix A).

The 1995 soil sample locations and Cu, Pb and Zn analyses are plotted at 1: 5000 scale on Fig. 3. Interpreted plots for Cu, Pb and Zn are presented on Figures 4 to 6. These plots include data from the 1991, 1993 and 1995 programs.

STATISTICAL METHOD

Analytical data from 1995 and previous years were combined and analyzed statistically using Probplot, a computer program designed to optimally fit multiple normal distributions to exploration geochemical data on probability plots (Stanley 1987). Data from Archer Cathro's 1991 and Kennecott's 1993 surveys were obtained in digital format from Chemex Labs' archives and merged with the 1995 Acme Analytical Labs' digital data.

A statistical analysis of Cu, Pb and Zn analytical data was carried out with the aid of histograms and cumulative probability plots generated by Probplot. During data analyses the data set was reduced by eliminating analyses which are at the analytical detection limit. Trial graph plots were modified by eliminating isolated high values until the best resolution of sub-populations in the data was obtained. The degree of data truncation varies with each element. Sub-population boundaries were visually estimated and modified until theoretical mixed population curves closely matched the real data points. Anomaly thresholds for each sub-population were then calculated by the Probplot program. Threshold values assigned to six symbol classes were determined by selecting the mean value and the mean plus two standard deviations of each sub-population. Summary statistics, histograms, and probability plots produced by Probplot, are appended to this report (Appendix B).

Trial plots were generated within Autocad and final thresholds were selected by a visual assessment of anomaly definition and contrast with background values. The final plots classify the analytical data for each element into ranges of increasing value which are assigned symbols of increasing size. In most cases, log probability plots were used to determine thresholds. The lowest population thresholds are often ignored on symbol plots because they represent background concentrations. Clusters of anomalous samples are outlined on these

plots for clarity and discussion purposes.

DISCUSSION OF RESULTS

Copper (Fig.4)

Copper concentrations in 626 soil analyses range from 4 to 77 ppm. The data were sub-divided into 3 lognormal populations, with population boundaries selected at 5% and 98% of the data. An anomalous threshold of 46 ppm was selected, representing the mean plus two standard deviations of population 2. Symbol boundaries were chosen at 53, and 60 ppm Cu. The highest threshold corresponds to the mean of population 3 and an intermediate threshold of 53 ppm was selected to provide a broader range of symbols on the interpretive plots.

Scaled symbol plots of the data at 1:5000 scale (Fig.4) outline clusters of anomalous concentrations in three areas of the grid. The largest grouping of anomalous analyses occurs in the northwest corner of the grid where an irregularly shaped northwest-trending anomaly is defined by 11 samples in the range from 47 to 63 ppm. This anomaly extends northwesterly from and partly overlaps a combined lead/zinc anomaly which is associated with known mineralization.

Anomalous copper concentrations were detected by a 1991 reconnaissance soil traverse on the west end of line 12+50N. Five analyses range from 37 to 77 ppm Cu but do not correlate with grid soil samples taken along a parallel line in 1993. This suggests that the reconnaissance sample sites are incorrectly plotted and that they probably lie farther west, possibly outside the property boundary.

A third grouping of weakly anomalous analyses occurs in the southeast corner of the grid. This cluster lies within a combined Pb-Zn anomaly defined by the 1995 survey.

Lead (Fig. 5)

A total of 598 samples within the truncated range from 4 to 250 ppm Pb were included in the

data analysis. Twenty-five observations were below the detection limit of 4 ppm and three analyses were above the maximum value. The data were sub-divided into 3 lognormal populations with population boundaries selected at 80% and 97% of the data. A concentration of 26 ppm Pb was chosen as the anomalous threshold and corresponds to the mean of population 2. Scaled symbols were assigned thresholds of 51, 111 and 245 ppm Pb, representing the mean plus two standard deviations of population 2, the mean of population 3, and the mean plus two standard deviations of population 3, respectively.

Anomalous lead concentrations were detected in two areas. One cluster of anomalous lead and zinc sample sites outlines an area defined by previous soil surveys. This anomaly is located in the centre of the property, is defined by 12 samples ranging from 28 to 332 ppm and is associated with mineralized float. The anomaly has a length of 700 metres and a width of 200 metres, with the long axis trending northwest, parallel to steep local topography.

The second lead anomaly is located in the southeast corner of the grid and lies within the expanded 1995 grid. This irregularly shaped anomaly trends eastward, with a length of 1,100 metres and an approximate width of 300 metres. Forty-five anomalous soils range from 27 to 300 ppm within this area.

Zinc (Fig. 6)

The zinc analytical data were divided into four populations. The data were truncated by a lower limit of 10 ppm, which is the detection limit and a maximum value of 750 ppm. No samples were below the minimum and one sample exceeded the maximum limit. A total of 635 samples were included in the statistical analysis. Population boundaries were selected at 15%, 80% and 95%. An anomaly threshold of 98 was selected, which represents the mean plus two standard deviations of population 2. Scaled anomaly symbols were assigned thresholds of 122, 174 and 315 ppm. These values correspond to the mean of population 3, the mean plus two standard deviations of population 3, and the mean of population 4, respectively.

Scaled symbol plots of zinc concentrations outline two areas of anomalous soils coincident with the lead anomalies. The previously defined zinc anomaly in the centre of the property consists of 16 soil samples ranging from 118 to 1330 ppm. The second, southeastern anomaly is outlined by 49 samples ranging from 99 to 697 ppm.

Zinc anomalies correlate well with lead anomalies in these two areas but isolated high zinc values, unlike lead , occur outside the main anomalous areas.

8. CONCLUSIONS

The 1995 grid soil sampling program has outlined a new exploration target on the Clip property. The new combined Pb-Zn anomaly in the southeast corner of the property covers an area of approximately 26 hectares, compared with the previously outlined Cominco anomaly which has an area of about 12 hectares. The highest zinc analyses in the new anomaly are about half and maximum lead concentrations are about the same as the Cominco anomaly. The higher zinc concentrations and lead-zinc mineralized float occurrences associated with the older anomaly may be in part related to more active weathering processes and steep terrain in the vicinity of the old anomaly. The 1995 anomaly occurs in gentler, overburden covered terrain.

A statistical analysis of past and present data shows that lead and zinc analyses consist of several overlapping sub-populations. A recognition of these sub-populations has resulted in distinct anomaly definition in these elements. It has also demonstrated that copper is a weaker but important pathfinder element. This was not previously recognized and suggests that the area west of line 12+50 N should be examined.

An examination of areas of known mineralization and hand trenches excavated in talus at these sites failed to locate the source of the mineralized float and failed to reach bedrock. The size of mineralized quartzite fragments and their proportion to unmineralized

carbonaceous quartz-sericite schist fragments suggest that the source horizon in the vicinity of the B zone is relatively thin.

9. RECOMMENDATIONS

The 1995 program outlined three areas which require further exploration. The most significant geochemical anomaly is the Pb-Zn anomaly outlined in 1995 in the southeast corner of the property. This area was not examined in 1995 and may indicate a more significant mineralization source than is presently known, because it occurs in gentler overburden covered terrain. This area should be further explored by prospecting and hand trenching.

The area west of line 1+50 N in the vicinity of 1991 reconnaissance copper anomalies should be explored by prospecting and grid soil sampling.

There is no explanation for the displaced copper anomaly that lies northwest of the Cominco anomaly. This area should also be prospected.

10. ACKNOWLEDGEMENTS

The author would like to thank Rob Carne and Archer Cathro and Associates (1981) Limited for discussions of the geology of the Clip property and for providing base maps and access to archived geochemical analytical data.

11. BIBLIOGRAPHY AND REFERENCES

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12. STATEMENT OF EXPENDITURE

I. Field Expenses

1) Labour

U.Schmidt (Project Geologist) July 16, 26-31, Aug. 1-2, 1995

9 days @$350/day $3,150.00

R.Beauchamp (Field Assistant) July 26-31, 1995

8 days @ $200/day $1,600.00

R. Moran (Field Assistant) July 26-31, 1995

8 days @ $175/day $1,400.00

$6,150.00

2) Consumables and Supplies $750.52

3) Camp and Equipment Rental $706.50

4) Transportation

Truck Rental July 16,26-31, 1995 (9 days @ $55/day) $495.00

5) Geochemical Analysis

342 soils, 33 element ICP analysis $667.85

II. OFFICE

Data compilation, Interpretation, Report Writing

U. Schmidt Jan. 17-19,23(1/2), March 21(1/2),22(1/2), 1996

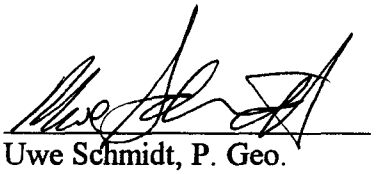
4 days @$350/day	$1,575.00	
Data Plotting	$214.00	
		$4,408.87
	GST	$739.12
	TOTAL	**$11,297.99**

STATEMENT OF EXPENDITURES
CLI 1-14, CLI 16, CLI 18-46

CANADA) In the matter of an evaluation program on the
) Cli 1-14, Cli 16, Cli 18-46

I, Uwe Schmidt, for Atna Resources Ltd., 1550 - 409 Granville Street, Vancouver, British Columbia do solemnly declare that a program consisting of prospecting, grid geochemical soil survey and hand trenching was carried out on the Cli 1-14, Cli 16, Cli 18-46 mineral claims during the period from July 15 to Aug. 2, 1995.

The preceding expenses were incurred during the course of this work and the compilation and reporting of the results.



Uwe Schmidt, P. Geo.
March 26, 1996

Appendix A

CERTIFICATES OF ANALYSIS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Atna Resources Ltd. File # 95-2844 Page 1

900 - 409 Granville St., Vancouver BC V6C 1T2 Submitted by: Uwe Schmidt

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	Tl ppm	Hg ppm
US-95-B-01	1	2	8	45	<.3	9	16	628	4.24	<2	<5	<2	10	26	<.2	<2	<2	12	1.09	.045	26	17	.51	38	.01	<3	.74	.01	.33	<2	<5	<1
US-95-C-001	2	29	17	14	.3	25	7	146	1.43	11	9	<2	4	20	<.2	4	<2	15	.09	.053	17	14	.02	67	<.01	<3	.27	.01	.15	2	<5	<1
US-95-C-002	4	14	5	173	<.3	24	2	181	1.49	4	<5	<2	4	6	<.2	<2	<2	19	.11	.039	15	22	.18	99	<.01	<3	.61	.01	.21	<2	<5	<1
US-95-C-003	2	33	22288	102	27.4	17	21	264	1.28	16	<5	<2	4	49	.8	39	<2	59	.23	.070	10	35	.29	12096	.03	<3	1.99	.03	.39	<2	<5	<1
US-95-M-001	3	8	488	26	1.0	12	2	111	.73	<2	8	<2	<2	8	<.2	2	3	7	<.01	.010	8	17	.01	778	<.01	<3	.16	.01	.07	3	<5	<1
US-95-M-002	4	21	2647	62	2.2	8	2	54	.66	5	5	<2	2	16	.9	4	<2	7	.01	.055	13	11	.02	1660	<.01	4	.23	<.01	.07	<2	<5	1
US-95-M-003	3	36	482	23	.5	20	4	205	2.11	4	<5	<2	2	8	.2	<2	<2	17	<.01	.047	8	17	.01	539	<.01	<3	.32	<.01	.09	2	<5	<1
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US-95-M-005	6	3	86	7	.3	15	1	60	.71	6	<5	<2	2	6	<.2	<2	<2	6	<.01	.014	6	19	.01	152	<.01	<3	.32	<.01	.06	<2	<5	<1
US-95-M-006	2	18	399	41	.7	11	1	46	1.48	2	<5	<2	3	7	<.2	<2	<2	12	<.01	.018	9	16	.01	314	<.01	4	.20	.01	.12	2	<5	<1
US-95-M-007	2	84	25457	255	141.4	8	<1	38	1.39	49	<5	<2	<2	20	9.4	103	<2	12	<.01	.043	7	15	.01	83	<.01	<3	.19	<.01	.03	<2	<5	65
US-95-M-008	3	25	2036	774	2.9	9	1	37	3.18	11	<5	<2	3	13	.3	4	<2	23	<.01	.051	7	13	.01	252	<.01	5	.29	<.01	.04	<2	<5	10
RE US-95-M-008	3	24	2018	781	2.8	10	1	28	3.22	12	<5	<2	3	13	<.2	5	<2	23	<.01	.052	7	11	.01	254	<.01	<3	.29	<.01	.04	<2	<5	11
RRE US-95-M-008	3	27	2074	775	2.9	8	2	32	3.21	11	<5	<2	3	13	.4	4	<2	23	<.01	.051	7	12	.01	248	<.01	<3	.30	<.01	.04	<2	<5	9
US-95-MT-01	2	14	198	222	.3	11	3	289	1.28	<2	<5	<2	8	75	<.2	<2	<2	22	.06	.028	38	15	.13	167	.01	<3	.38	.03	.18	<2	<5	<1
US-95-MT-02	3	20	2740	101	3.4	9	<1	86	1.15	8	<5	<2	11	2	<.2	3	<2	2	<.01	.006	28	14	.08	135	<.01	<3	.36	<.01	.28	3	<5	1
US-95-MT-03	3	4	105	130	<.3	7	1	123	1.13	10	7	<2	16	3	<.2	<2	<2	2	<.01	.005	34	8	.09	109	<.01	<3	.39	.01	.31	<2	<5	<1
US-95-MT-04	1	6	82	42	<.3	12	2	354	.71	<2	<5	<2	8	25	<.2	<2	<2	8	.02	.006	14	10	.05	93	<.01	3	.26	.07	.11	<2	<5	<1
US-95-MT-05	3	3	250	<1	.9	4	<1	31	.75	8	7	<2	10	4	<.2	3	<2	2	<.01	.007	28	7	.02	100	.01	4	.26	.01	.26	2	<5	<1
US-95-MT-06	1	16	146	52	.6	8	4	1225	2.43	3	6	<2	10	19	.8	<2	2	1	1.01	.045	39	5	.06	114	<.01	<3	.46	.07	.06	<2	<5	<1
US-95-MT-07	4	25	279	10	<.3	2	<1	31	9.43	26	<5	<2	41	121	<.2	<2	<2	3	.02	.099	49	8	.03	31	<.01	3	.36	.46	1.24	<2	<5	<1
US-95-MT-08	3	36	3342	49	.9	7	<1	41	1.76	4	5	<2	11	36	<.2	<2	<2	2	<.01	.052	44	10	.03	351	.01	6	.40	.01	.39	2	<5	<1
RE US-95-MT-08	3	36	3277	47	.8	7	1	43	1.73	5	<5	<2	11	36	<.2	<2	<2	2	<.01	.051	44	11	.03	347	.01	3	.40	.01	.39	2	<5	<1
RRE US-95-MT-08	3	38	3375	48	.9	6	1	41	1.78	8	5	<2	11	37	<.2	2	<2	2	<.01	.052	44	10	.03	353	.01	<3	.41	.01	.40	2	<5	<1
PD-95-M-1	3	60	22618	465	44.9	14	1	209	2.04	18	<5	<2	8	6	.8	41	<2	13	.06	.050	26	16	.08	224	<.01	<3	.41	<.01	.16	<2	<5	20
PD-95-M-2	2	28	518	228	1.2	14	2	92	1.24	6	<5	<2	3	5	.9	<2	<2	5	<.01	.021	11	13	.01	168	<.01	<3	.15	<.01	.10	<2	<5	4
PD-95-M-3	<1	18	39	37	.3	14	10	866	3.18	5	<5	<2	10	91	<.2	<2	<2	25	1.86	.072	26	25	.92	111	.07	<3	1.43	.03	.17	<2	<5	<1
STANDARD C	17	55	38	121	6.4	66	29	1158	3.65	43	18	7	34	46	15.9	15	17	62	.51	.090	41	56	.93	177	.07	27	1.75	.06	.14	9	<5	2

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P18 SOIL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 11 1995 **DATE REPORT MAILED:** Aug 18/95 **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	Tl ppm	Hg ppm
TR1C-01	2	45	2535	626	3.3	44	13	1052	3.52	26	6	<2	5	19	2.0	4	2	59	.23	.092	41	29	.36	941	.05	5	1.67	.01	.12	<2	<5	<1
TR2C-01	1	46	106	274	.8	26	15	2459	2.51	10	<5	<2	<2	16	1.4	<2	<2	43	.22	.155	37	21	.28	206	.05	<3	1.34	.02	.10	<2	<5	<1
TR3C-001	1	30	25	171	.4	14	13	4789	1.81	2	<5	<2	<2	15	.6	<2	<2	35	.15	.123	13	15	.16	154	.04	<3	.96	.03	.06	<2	<5	1
TR4C-01	1	38	123	466	.8	47	16	1248	3.50	22	5	<2	5	17	1.2	2	2	55	.22	.079	40	30	.41	215	.05	4	1.64	.01	.12	<2	<5	<1
T32707A	1	33	18	125	<.3	38	13	524	3.20	14	<5	<2	3	18	.5	<2	2	54	.18	.046	29	27	.41	140	.06	<3	1.57	.01	.11	<2	<5	<1
T32707B	1	33	19	146	.3	43	14	581	3.19	16	<5	<2	5	16	.6	2	<2	50	.18	.044	33	27	.41	142	.06	<3	1.50	<.01	.11	<2	<5	<1
T32708A	1	27	59	264	.3	26	12	747	2.90	15	<5	<2	3	14	.8	<2	<2	50	.14	.071	28	23	.31	126	.05	3	1.24	.01	.10	<2	<5	1
T32708B	1	33	47	327	.4	34	13	728	3.07	16	<5	<2	3	16	.6	2	<2	50	.18	.069	33	26	.35	135	.05	<3	1.25	.01	.11	<2	<5	<1
RE T32708B	1	33	47	330	.3	34	13	745	3.12	13	<5	<2	3	16	.9	<2	<2	50	.18	.068	34	25	.36	135	.05	<3	1.26	<.01	.11	<2	<5	<1
T32709A	1	28	58	308	.4	40	20	1071	3.75	17	<5	<2	7	16	.7	2	<2	57	.18	.063	22	32	.45	170	.06	<3	1.75	.01	.12	<2	<5	1
T32709B	1	36	48	296	.6	40	14	796	3.36	18	<5	<2	6	18	.3	3	<2	52	.24	.070	40	30	.43	243	.05	<3	1.56	.01	.12	<2	<5	<1
T32709C	1	38	47	311	.7	42	14	719	3.32	14	<5	<2	7	18	1.0	3	2	52	.23	.063	39	30	.42	233	.06	<3	1.55	.01	.12	<2	<5	<1
T32710A	2	21	60	179	.3	25	8	402	3.87	17	<5	<2	4	11	.4	3	<2	61	.10	.044	19	28	.35	108	.05	5	1.56	.01	.09	<2	<5	<1
T32710B	1	27	73	181	.3	31	9	421	3.60	18	<5	<2	5	11	.3	3	<2	53	.11	.048	27	26	.33	100	.04	<3	1.39	<.01	.09	<2	<5	<1
STANDARD C	17	56	42	125	6.5	67	28	1090	3.74	42	17	7	35	47	16.2	17	18	65	.48	.088	40	57	.89	172	.08	28	1.72	.06	.14	10	<5	6

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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	Tl ppm	Hg ppm
C 24+50N 15+00E	1	11	7	31	<.3	10	3	195	2.57	12	<5	<2	<2	13	.3	<2	4	72	.10	.031	13	21	.20	70	.07	<3	.97	<.01	.04	<2	<5	<1
C 24+50N 15+50E	2	14	14	51	<.3	15	7	426	4.57	14	<5	<2	3	11	.2	<2	3	81	.09	.034	14	30	.38	71	.10	<3	1.53	<.01	.06	2	<5	<1
C 24+50N 16+00E	1	22	13	63	<.3	22	11	585	3.12	12	<5	<2	4	15	.2	<2	3	60	.13	.053	15	31	.42	120	.07	<3	1.93	.01	.07	<2	<5	<1
C 24+50N 16+50E	1	22	9	54	<.3	19	7	568	2.44	<2	<5	<2	<2	15	<.2	<2	5	39	.13	.053	37	19	.31	138	.06	<3	1.18	.01	.17	<2	<5	<1
C 24+50N 17+00E	2	41	9	104	.4	42	12	718	3.05	14	<5	<2	3	16	<.2	<2	<2	51	.09	.055	35	34	.56	135	.08	<3	1.28	.01	.24	2	<5	<1
C 24+50N 17+50E	2	21	12	58	<.3	21	6	284	3.69	14	<5	<2	4	10	<.2	<2	4	78	.07	.033	18	34	.39	80	.09	<3	1.59	<.01	.10	<2	<5	<1
C 24+50N 18+00E	1	27	11	63	<.3	152	17	620	2.81	69	<5	<2	2	14	<.2	<2	<2	48	.12	.046	27	206	1.12	96	.07	<3	1.47	.01	.20	<2	<5	<1
C 24+50N 18+50E	2	47	13	84	<.3	37	15	805	3.78	18	<5	<2	6	17	<.2	<2	6	58	.12	.081	49	37	.60	118	.08	<3	1.77	.01	.31	<2	5	<1
C 24+50N 19+00E	1	50	13	106	.4	37	10	510	2.72	8	6	<2	6	37	.5	<2	2	35	.85	.092	53	26	.53	204	.03	<3	1.49	.01	.21	<2	<5	<1
C 24+50N 19+50E	2	43	17	60	.3	23	7	275	3.38	9	<5	<2	5	13	<.2	<2	2	62	.09	.064	44	26	.35	86	.07	<3	1.45	.01	.16	<2	<5	<1
C 23+50N 15+00E	1	34	12	69	<.3	26	11	615	2.98	10	<5	<2	3	18	.4	<2	5	53	.16	.046	28	33	.48	194	.08	<3	1.72	.01	.10	<2	<5	<1
C 23+50N 15+50E	1	26	10	72	<.3	26	12	837	3.51	8	<5	<2	3	15	<.2	<2	3	58	.15	.040	18	33	.52	121	.08	<3	1.75	<.01	.08	2	<5	<1
C 23+50N 16+00E	2	35	10	73	<.3	30	13	872	3.04	9	<5	<2	3	19	<.2	<2	2	54	.18	.054	24	33	.53	140	.08	<3	1.67	.01	.12	2	<5	<1
RE C 23+50N 16+00E	1	36	5	76	<.3	32	12	898	3.12	13	<5	<2	3	19	<.2	<2	7	56	.18	.055	24	36	.55	146	.08	<3	1.71	.01	.12	<2	<5	<1
C 23+50N 16+50E	2	29	9	79	<.3	135	28	1833	3.14	43	<5	<2	<2	14	.4	<2	<2	56	.12	.055	25	148	.82	123	.07	3	1.59	.01	.12	2	7	<1
C 23+50N 17+00E	2	37	12	80	<.3	39	12	639	3.56	21	<5	<2	5	17	<.2	<2	4	66	.12	.058	23	45	.56	162	.08	<3	1.98	.01	.15	<2	<5	<1
C 23+50N 17+50E	2	41	18	87	<.3	51	14	762	3.39	24	<5	<2	4	21	.3	<2	3	53	.16	.062	39	55	.66	160	.08	3	1.58	<.01	.27	<2	<5	<1
C 23+50N 18+00E	2	28	15	68	<.3	25	11	485	3.81	15	<5	<2	4	13	.4	<2	3	70	.10	.062	28	37	.50	106	.08	<3	1.84	<.01	.15	<2	<5	<1
C 23+50N 18+50E	2	35	13	67	<.3	32	12	481	4.84	9	<5	<2	7	15	.3	<2	6	66	.11	.067	42	36	.52	140	.07	<3	1.95	.01	.19	<2	<5	<1
C 23+50N 19+00E	2	41	11	76	<.3	38	13	363	3.86	15	<5	<2	6	14	<.2	<2	5	55	.11	.050	44	35	.57	113	.07	3	1.88	.01	.20	2	<5	<1
C 23+50N 19+50E	1	36	10	56	<.3	27	5	176	2.15	2	<5	<2	<2	23	.2	<2	<2	38	.50	.036	35	23	.32	510	.04	<3	1.11	.01	.15	<2	<5	<1
C 23+50N 20+00E	1	37	15	96	.5	59	10	398	2.56	15	<5	<2	3	37	.3	<2	<2	42	.98	.063	48	57	.50	281	.03	<3	1.62	.01	.11	<2	<5	<1
C 23+50N 20+50E	2	15	11	39	.3	14	3	141	1.68	8	<5	<2	<2	9	<.2	<2	<2	66	.08	.028	19	17	.08	74	.06	<3	.94	.01	.04	<2	<5	<1
C 23+50N 21+00E	2	35	99	133	.3	27	9	753	3.08	20	5	<2	<2	13	.4	2	5	57	.12	.066	32	21	.17	136	.04	<3	1.06	.01	.08	2	<5	<1
C 23+50N 21+50E	1	15	158	76	2.8	11	3	185	1.38	<2	<5	<2	<2	14	.9	<2	3	37	.12	.038	12	12	.07	111	.03	<3	.61	.02	.05	<2	<5	<1
C 23+50N 22+00E	1	26	27	109	.4	29	10	473	3.15	13	<5	<2	2	26	.6	<2	6	55	.29	.065	35	33	.44	282	.05	<3	2.18	.01	.10	<2	<5	<1
C 23+50N 22+50E	2	47	19	72	1.1	31	8	238	3.57	16	<5	<2	<2	51	1.0	<2	5	52	.40	.162	49	33	.30	592	.02	<3	2.45	.01	.08	2	<5	<1
C 23+50N 23+00E	1	18	14	64	<.3	18	7	303	2.68	13	<5	<2	3	19	.4	2	4	53	.17	.045	23	28	.38	245	.05	<3	1.51	<.01	.13	2	<5	1
C 23+50N 23+50E	1	18	10	61	<.3	17	6	233	2.66	11	<5	<2	5	14	<.2	<2	6	51	.14	.030	21	26	.38	154	.05	<3	1.50	.01	.06	<2	<5	<1
C 21+50N 15+00E	2	53	11	86	.4	45	14	970	3.27	7	<5	<2	7	16	<.2	<2	<2	60	.12	.032	21	38	.51	245	.08	<3	2.20	<.01	.08	2	<5	<1
C 21+50N 15+50E	1	31	10	63	<.3	24	8	312	3.01	10	<5	<2	2	13	.3	<2	4	56	.12	.039	18	32	.50	125	.07	<3	1.69	.01	.09	<2	<5	<1
C 21+50N 16+00E	1	48	14	79	<.3	35	17	1655	3.56	10	<5	<2	11	18	.3	<2	5	51	.17	.051	83	33	.71	271	.10	<3	2.03	.01	.28	3	<5	<1
C 21+50N 16+50E	1	21	15	52	<.3	16	6	307	3.84	3	<5	<2	3	16	.3	<2	2	56	.07	.032	30	26	.38	85	.06	<3	1.39	<.01	.15	2	<5	<1
C 21+50N 17+00E	1	17	8	33	<.3	14	4	288	1.73	<2	<5	<2	<2	14	.3	<2	<2	38	.11	.035	15	17	.18	122	.04	<3	.92	.02	.06	<2	<5	<1
C 21+50N 17+50E	<1	4	<3	13	<.3	5	2	97	.82	<2	<5	<2	<2	6	.2	<2	2	23	.04	.020	3	6	.03	27	.02	<3	.22	.02	.03	<2	<5	<1
STANDARD C	18	59	39	124	6.9	66	31	1115	3.87	41	17	6	37	50	18.1	18	22	66	.50	.092	43	61	.92	177	.08	29	1.80	.06	.15	11	<5	1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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	Tl ppm	Hg ppm
C 21+50N 18+00E	1	34	4	61	.3	48	9	620	2.25	13	<5	<2	<2	26	.2	<2	4	41	.35	.093	24	47	.47	186	.07	3	1.12	.01	.21	<2	<5	<1
C 21+50N 18+50E	1	18	5	32	<.3	24	3	116	1.73	16	<5	<2	<2	7	<.2	<2	<2	42	.05	.042	16	39	.24	45	.05	<3	.69	.01	.07	<2	<5	<1
C 21+50N 19+00E	1	35	31	110	.4	30	10	391	3.26	18	<5	<2	12	13	<.2	<2	<2	33	.23	.041	85	24	.37	189	.02	<3	1.69	.01	.18	<2	<5	<1
C 21+50N 19+50E	1	25	53	144	<.3	31	14	895	3.66	28	<5	<2	6	13	.6	<2	<2	53	.15	.044	21	31	.39	105	.06	<3	1.62	<.01	.11	<2	<5	<1
C 21+50N 20+00E	1	21	12	70	<.3	20	8	421	2.60	14	<5	<2	2	12	.2	<2	<2	43	.16	.041	23	25	.35	111	.05	4	1.18	<.01	.12	<2	<5	<1
C 21+50N 20+50E	1	23	12	43	<.3	13	4	124	1.69	9	<5	<2	<2	12	.6	<2	<2	32	.12	.036	20	20	.15	100	.03	<3	.69	.01	.11	<2	<5	<1
C 21+50N 21+00E	1	16	11	38	.3	12	5	81	1.28	4	<5	<2	<2	18	.4	<2	2	21	.26	.050	26	20	.22	157	.02	<3	1.07	.01	.08	<2	<5	<1
C 21+50N 21+50E	1	11	16	76	<.3	9	3	173	2.31	8	<5	<2	<2	9	.2	<2	<2	50	.07	.043	13	15	.15	45	.06	<3	.74	.01	.05	<2	<5	<1
C 21+50N 22+00E	1	20	15	60	.5	15	4	150	2.05	3	<5	<2	<2	10	.3	<2	<2	37	.05	.048	26	14	.14	64	.03	<3	.84	<.01	.08	<2	<5	<1
C 21+50N 22+50E	2	37	18	126	<.3	37	9	523	3.28	11	6	<2	5	17	<.2	<2	<2	19	.18	.071	54	11	.10	129	.01	3	.39	<.01	.11	<2	<5	<1
C 21+50N 23+00E	2	38	26	146	.5	28	11	495	3.00	42	5	<2	2	16	.3	<2	<2	46	.17	.090	38	27	.44	142	.06	3	1.32	.01	.22	<2	<5	<1
C 21+50N 23+50E	2	32	55	286	.3	30	11	361	3.01	15	<5	<2	3	17	.7	<2	4	48	.18	.063	45	29	.47	176	.08	5	1.41	.01	.18	<2	<5	<1
C 12+50N 23+50E	1	20	11	78	<.3	24	8	250	2.51	9	<5	<2	<2	19	<.2	<2	<2	43	.23	.051	20	29	.51	241	.05	<3	1.60	.01	.08	<2	<5	<1
C 12+50N 24+00E	1	15	7	65	<.3	19	8	232	2.52	12	<5	<2	<2	16	.3	<2	<2	48	.17	.054	17	31	.46	198	.04	3	1.64	.01	.07	<2	<5	<1
C 12+50N 24+50E	1	22	9	70	<.3	23	7	227	2.61	11	<5	<2	2	17	.4	<2	<2	46	.20	.054	19	32	.52	183	.06	<3	1.65	.01	.08	<2	<5	<1
C 12+50N 25+00E	1	22	10	71	<.3	24	7	174	2.54	8	<5	<2	<2	18	.4	<2	2	43	.19	.060	17	32	.48	198	.05	<3	1.68	.01	.08	<2	<5	<1
C 12+50N 25+50E	1	21	10	72	<.3	22	8	257	2.47	9	<5	<2	2	17	1.1	<2	<2	42	.21	.052	18	28	.48	132	.06	5	1.33	<.01	.08	<2	<5	<1
C 12+50N 26+00E	1	21	7	69	<.3	24	9	262	2.41	12	<5	<2	2	20	.5	<2	3	43	.24	.049	20	32	.54	203	.07	6	1.45	.01	.06	<2	<5	<1
C 12+50N 26+50E	1	17	11	56	<.3	18	6	153	2.36	10	5	<2	<2	16	.6	<2	<2	46	.17	.043	14	30	.48	144	.05	4	1.50	.01	.05	<2	<5	<1
C 12+50N 27+00E	1	22	10	69	<.3	23	6	194	2.51	9	<5	<2	2	18	.3	2	<2	47	.22	.050	17	33	.52	148	.07	4	1.52	.01	.08	<2	<5	<1
C 12+50N 27+50E	1	26	8	71	<.3	24	7	278	2.75	10	<5	<2	3	18	.4	<2	<2	48	.22	.053	21	32	.57	147	.08	3	1.54	.01	.09	<2	<5	<1
RE C 12+50N 27+50E	1	27	9	72	<.3	24	8	277	2.78	10	7	<2	3	19	.3	<2	3	49	.22	.054	21	34	.58	150	.08	3	1.56	<.01	.09	<2	<5	<1
C 12+50N 28+00E	1	32	13	74	<.3	24	9	282	2.79	10	6	<2	<2	18	.5	<2	4	48	.19	.051	23	32	.52	133	.06	<3	1.69	.01	.10	<2	<5	<1
C 11+50N 23+50E	1	26	20	91	<.3	28	8	243	2.78	8	<5	<2	2	17	.4	2	<2	48	.19	.051	24	35	.56	186	.06	<3	1.81	.01	.11	<2	<5	<1
C 11+50N 24+00E	1	24	9	77	<.3	23	7	235	2.51	9	8	<2	3	18	.5	<2	<2	43	.23	.054	21	31	.52	159	.07	3	1.45	.01	.09	<2	<5	<1
C 11+50N 24+50E	1	25	12	70	<.3	21	7	318	2.46	8	6	<2	3	19	.4	<2	<2	43	.26	.058	20	30	.50	186	.07	<3	1.28	<.01	.07	<2	<5	<1
C 11+50N 25+00E	2	36	15	71	<.3	26	7	239	3.00	16	5	<2	<2	21	.4	<2	4	52	.16	.079	16	38	.41	256	.04	4	2.08	.01	.10	<2	<5	<1
C 11+50N 25+50E	1	23	8	65	<.3	21	8	320	2.36	12	<5	<2	3	15	.3	<2	3	41	.20	.048	19	26	.45	121	.07	<3	1.16	<.01	.07	<2	<5	<1
C 11+50N 26+00E	1	24	9	62	<.3	24	8	368	2.40	10	<5	<2	4	18	.2	<2	<2	43	.26	.056	18	27	.48	184	.08	5	1.20	.01	.07	<2	<5	1
C 11+50N 26+50E	1	27	<3	72	<.3	24	8	356	2.66	10	<5	<2	5	25	.4	<2	<2	50	.35	.072	22	31	.55	208	.10	<3	1.22	.01	.08	<2	<5	<1
C 11+50N 27+00E	1	34	9	87	<.3	31	11	400	2.91	12	5	<2	4	26	.3	<2	<2	50	.30	.055	25	35	.62	193	.09	<3	1.51	.01	.11	<2	<5	<1
C 11+50N 27+50E	1	28	10	51	<.3	18	7	225	2.62	14	6	<2	<2	16	.4	<2	<2	47	.17	.049	19	30	.41	146	.05	3	1.68	.01	.06	<2	<5	<1
C 11+50N 28+00E	2	37	15	97	<.3	28	6	293	3.39	14	<5	<2	2	13	.4	<2	<2	55	.10	.047	26	31	.47	94	.07	3	1.46	<.01	.24	<2	<5	1
C 10+50N 23+50E	1	18	11	72	<.3	20	6	183	2.32	4	5	<2	<2	15	<.2	<2	2	41	.16	.045	18	29	.47	139	.05	<3	1.57	<.01	.09	<2	<5	<1
C 10+50N 24+00E	1	28	15	94	<.3	25	7	200	2.56	14	9	<2	2	17	.2	2	2	44	.18	.046	26	32	.52	159	.07	4	1.68	<.01	.13	<2	<5	<1
STANDARD C	19	59	38	125	6.9	68	32	1131	3.92	44	19	7	37	50	19.2	17	20	61	.52	.093	40	60	.93	175	.08	28	1.79	.06	.15	11	<5	1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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	Tl ppm	Hg ppm
C 10+50N 24+50E	1	23	15	71	<.3	21	6	178	2.38	10	<5	<2	<2	18	<.2	<2	2	43	.18	.046	19	31	.47	165	.06	<3	1.60	.01	.10	<2	<5	2
C 10+50N 25+00E	1	28	16	78	<.3	25	7	189	2.53	9	<5	<2	2	17	<.2	<2	4	46	.19	.044	21	33	.52	143	.07	<3	1.59	.01	.12	<2	<5	2
C 10+50N 25+50E	2	36	15	88	.3	30	7	258	3.25	11	<5	<2	<2	19	.6	<2	<2	58	.16	.064	19	45	.55	212	.06	4	2.13	.01	.12	<2	<5	1
C 10+50N 26+00E	1	20	9	58	<.3	15	6	270	1.94	8	<5	<2	<2	24	.3	<2	<2	39	.30	.051	14	27	.36	159	.05	3	1.27	.02	.08	<2	<5	1
C 10+50N 26+50E	1	23	14	64	<.3	21	9	315	2.65	14	<5	<2	<2	19	.2	<2	<2	53	.20	.054	18	33	.45	136	.07	3	1.48	.01	.08	<2	<5	1
C 10+50N 27+00E	1	27	10	62	<.3	22	7	251	2.62	15	<5	<2	2	24	.2	<2	<2	49	.27	.049	20	32	.54	185	.08	<3	1.54	.01	.06	<2	<5	<1
C 10+50N 27+50E	1	38	20	101	<.3	33	11	363	3.22	16	<5	<2	5	26	.5	2	<2	57	.28	.057	28	36	.65	198	.10	3	1.71	.01	.11	<2	<5	2
C 10+50N 28+00E	1	27	15	87	<.3	32	13	434	3.18	15	<5	<2	4	18	.2	<2	2	53	.19	.038	21	37	.58	170	.07	<3	2.04	.01	.09	<2	<5	1
RE C 10+50N 28+00E	1	26	11	83	<.3	31	12	409	3.00	14	5	<2	4	17	<.2	2	2	51	.18	.037	20	34	.54	160	.07	3	1.92	.01	.08	<2	<5	<1
C 10+50N 28+50E	1	23	14	58	<.3	25	7	314	3.16	15	<5	<2	2	13	<.2	<2	2	68	.12	.041	17	35	.37	102	.07	<3	1.81	<.01	.09	<2	<5	2
C 10+50N 29+00E	2	22	11	37	.3	15	3	125	1.52	10	<5	<2	<2	9	.3	<2	<2	47	.05	.043	26	20	.11	62	.02	3	.90	<.01	.09	<2	<5	1
C 10+50N 29+50E	1	39	16	57	.5	28	6	203	2.53	11	<5	<2	<2	16	.2	<2	3	46	.14	.054	28	28	.31	127	.04	<3	1.33	<.01	.13	<2	<5	1
C 10+50N 30+00E	1	26	17	62	<.3	26	6	218	2.80	13	<5	<2	<2	19	<.2	<2	<2	54	.20	.037	23	31	.46	129	.06	<3	1.55	.01	.13	<2	<5	<1
C 10+50N 30+50E	1	23	9	58	<.3	25	6	224	2.33	11	<5	<2	3	17	<.2	<2	<2	44	.21	.035	21	31	.51	150	.08	<3	1.49	<.01	.09	<2	<5	1
C 10+50N 31+00E	1	33	15	79	<.3	29	9	341	2.91	11	<5	<2	9	16	<.2	<2	<2	45	.20	.044	33	29	.53	143	.08	<3	1.49	<.01	.18	<2	<5	1
C 10+50N 31+50E	1	24	13	62	<.3	24	8	304	2.61	13	<5	<2	3	17	.4	<2	<2	49	.20	.038	21	33	.52	149	.08	<3	1.59	.01	.09	<2	<5	1
C 10+50N 32+00E	1	18	14	41	<.3	14	4	208	1.97	9	<5	<2	<2	15	<.2	<2	2	40	.12	.040	19	25	.27	121	.04	<3	1.16	.01	.09	<2	<5	<1
C 10+50N 32+50E	1	22	9	52	.4	23	5	203	2.31	8	<5	<2	<2	12	<.2	<2	<2	42	.11	.048	27	26	.36	112	.04	3	1.34	.01	.13	<2	<5	<1
C 9+50N 23+50E	1	20	48	177	.3	20	6	198	2.52	11	<5	<2	<2	16	.3	2	<2	45	.15	.051	21	31	.42	140	.05	<3	1.70	.01	.10	<2	<5	<1
C 9+50N 24+00E	1	11	10	46	.3	11	3	73	1.56	3	<5	<2	<2	13	.4	3	<2	27	.11	.059	11	23	.24	100	.02	<3	.96	.01	.05	<2	<5	1
C 9+50N 24+50E	1	22	14	70	.3	23	6	170	2.40	5	<5	<2	2	17	.3	<2	<2	45	.20	.050	19	33	.50	149	.06	<3	1.64	.01	.08	<2	<5	1
C 9+50N 25+00E	1	34	17	99	<.3	31	9	282	2.73	7	<5	<2	3	20	<.2	<2	3	46	.21	.047	28	34	.53	213	.08	<3	1.65	.01	.14	<2	<5	<1
C 9+50N 25+50E	1	37	26	99	<.3	34	8	264	2.94	9	<5	<2	2	18	.4	<2	2	53	.19	.052	26	36	.57	136	.08	<3	1.73	.01	.16	<2	<5	1
C 9+50N 26+00E	1	33	11	91	<.3	28	9	309	2.86	12	<5	<2	5	20	<.2	<2	<2	52	.23	.051	26	35	.62	179	.09	<3	1.70	.01	.12	<2	<5	<1
C 9+50N 26+50E	1	31	10	73	<.3	28	8	315	2.63	7	<5	<2	5	24	<.2	<2	<2	47	.29	.056	22	30	.55	193	.08	<3	1.37	.01	.09	<2	<5	1
C 9+50N 27+00E	1	17	11	39	<.3	12	4	83	1.53	6	<5	<2	<2	12	<.2	<2	<2	31	.08	.040	13	20	.18	85	.04	<3	1.03	.02	.06	<2	<5	2
C 9+50N 27+50E	1	16	16	75	.3	20	8	347	4.12	15	<5	<2	2	14	.5	<2	2	71	.12	.043	14	35	.40	125	.08	<3	1.78	<.01	.06	<2	<5	<1
C 9+50N 28+00E	1	26	13	52	<.3	14	4	167	2.32	8	<5	<2	5	11	.3	<2	<2	58	.07	.030	24	25	.24	85	.08	<3	1.30	<.01	.11	<2	<5	<1
C 9+50N 28+50E	1	39	31	130	<.3	39	13	422	3.23	10	<5	<2	7	15	.5	<2	<2	51	.16	.050	26	34	.51	129	.08	3	1.84	.01	.17	<2	<5	<1
C 9+50N 29+00E	2	38	29	112	<.3	37	16	521	3.66	18	5	<2	6	17	.9	<2	<2	58	.18	.065	24	38	.56	134	.08	<3	2.12	.01	.14	<2	<5	2
C 9+50N 29+50E	1	29	27	90	<.3	29	7	281	3.04	12	<5	<2	3	17	.3	<2	<2	51	.17	.043	28	31	.50	130	.07	<3	1.58	<.01	.15	<2	<5	<1
C 9+50N 30+00E	1	27	15	76	<.3	27	8	296	2.73	12	<5	<2	4	16	<.2	<2	<2	47	.17	.038	21	29	.51	123	.08	<3	1.47	<.01	.13	<2	<5	2
C 9+50N 30+50E	1	29	12	69	<.3	27	8	270	2.55	7	<5	<2	4	21	<.2	<2	<2	47	.26	.042	24	30	.56	171	.09	<3	1.45	<.01	.09	<2	<5	<1
C 9+50N 31+00E	1	25	8	55	<.3	23	7	232	2.35	8	<5	<2	<2	17	.4	2	<2	44	.20	.045	20	29	.47	144	.07	<3	1.49	.01	.09	<2	<5	1
C 9+50N 31+50E	1	29	13	65	<.3	29	11	479	2.73	6	<5	<2	2	19	<.2	<2	<2	47	.21	.047	26	32	.47	169	.07	<3	1.55	.01	.13	<2	<5	<1
STANDARD C	18	60	37	124	7.0	65	32	1043	3.79	43	19	7	37	52	18.3	15	14	61	.51	.094	39	58	.90	178	.09	27	1.81	.06	.16	11	<5	4

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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	Tl ppm	Hg ppm
C 9+50N 32+00E	1	27	10	65	<.3	23	8	342	2.61	12	<5	<2	4	17	.3	<2	<2	50	.20	.040	27	31	.52	179	.07	<3	1.57	.01	.11	<2	<5	<1
C 9+50N 32+50E	1	22	13	57	<.3	23	6	266	2.59	10	<5	<2	<2	16	.5	<2	<2	53	.16	.045	27	30	.45	156	.05	<3	1.58	.01	.11	<2	<5	<1
C 8+50N 23+50E	1	19	47	211	<.3	21	5	148	2.29	7	<5	<2	<2	17	.3	<2	4	44	.18	.047	23	29	.46	125	.05	3	1.59	.01	.09	<2	<5	<1
C 8+50N 24+00E	1	30	36	244	<.3	22	7	288	2.58	8	<5	<2	5	19	.6	<2	<2	47	.23	.053	30	28	.48	149	.08	<3	1.34	.01	.11	<2	<5	<1
C 8+50N 24+50E	1	30	26	131	<.3	25	7	293	2.53	10	<5	<2	3	24	.3	<2	3	51	.29	.054	26	32	.57	227	.08	<3	1.55	.01	.08	2	<5	<1
C 8+50N 25+00E	1	17	11	58	<.3	16	5	159	2.12	8	<5	<2	<2	16	.2	<2	<2	44	.19	.052	15	26	.40	125	.04	<3	1.28	.01	.05	<2	<5	<1
C 8+50N 25+50E	1	24	10	59	<.3	20	7	233	2.37	12	<5	<2	<2	16	.2	<2	2	48	.21	.053	21	29	.48	132	.07	<3	1.46	.01	.07	<2	<5	1
C 8+50N 26+00E	1	26	12	57	<.3	23	8	282	2.56	8	<5	<2	3	23	<.2	<2	4	53	.27	.051	22	31	.55	181	.07	<3	1.56	.02	.06	<2	<5	<1
C 8+50N 26+50E	1	29	13	91	<.3	25	8	257	2.69	5	<5	<2	5	17	.8	<2	<2	51	.21	.050	29	30	.56	115	.08	4	1.48	.01	.12	<2	<5	<1
C 8+50N 27+00E	1	16	19	54	<.3	13	4	174	3.39	10	<5	<2	<2	10	1.0	<2	<2	89	.08	.031	19	29	.31	65	.07	3	1.42	<.01	.06	<2	<5	<1
C 8+50N 27+50E	1	46	14	104	<.3	47	16	485	3.81	20	<5	<2	8	18	.7	<2	<2	66	.18	.058	38	41	.68	163	.09	6	2.29	.01	.22	<2	<5	<1
RE C 8+50N 27+50E	2	44	14	100	<.3	43	16	465	3.59	14	<5	<2	8	17	.3	2	<2	62	.17	.055	37	40	.65	153	.09	3	2.15	.01	.21	2	<5	<1
C 8+50N 28+00E	1	18	38	31	<.3	9	4	118	1.64	2	<5	<2	<2	10	.2	<2	<2	36	.08	.039	12	14	.16	76	.04	<3	.73	.02	.06	<2	<5	<1
C 8+50N 28+50E	2	31	24	58	<.3	15	4	238	2.84	10	<5	<2	<2	15	.2	<2	<2	65	.09	.066	36	31	.26	117	.03	3	1.78	<.01	.13	<2	<5	<1
C 8+50N 29+00E	1	32	10	71	<.3	24	7	305	2.88	11	<5	<2	5	16	.3	<2	2	54	.15	.033	27	32	.55	150	.07	<3	1.59	.01	.12	<2	<5	<1
C 8+50N 29+50E	2	43	20	92	.4	31	10	380	3.30	13	<5	<2	<2	25	.2	<2	2	60	.22	.068	30	41	.55	213	.05	<3	2.01	.01	.19	<2	<5	<1
C 8+50N 30+00E	1	32	15	76	<.3	24	7	232	2.90	6	<5	<2	2	16	<.2	<2	3	56	.16	.046	27	34	.56	139	.07	4	1.74	.02	.15	<2	<5	<1
C 8+50N 30+50E	1	28	17	68	<.3	25	8	263	2.59	13	5	<2	<2	18	.3	<2	<2	50	.20	.046	23	30	.51	141	.07	<3	1.50	.01	.11	<2	<5	<1
C 8+50N 31+00E	1	26	10	68	<.3	23	7	284	2.43	8	<5	<2	4	18	.4	<2	<2	47	.24	.047	22	28	.53	139	.08	4	1.32	.01	.11	<2	<5	<1
C 8+50N 31+50E	1	32	18	75	<.3	23	7	264	2.75	7	<5	<2	<2	19	.6	<2	<2	54	.20	.048	24	32	.54	183	.07	3	1.72	.01	.11	<2	<5	<1
C 8+50N 32+00E	1	27	19	78	<.3	24	7	268	2.70	8	<5	<2	3	20	.3	<2	2	52	.22	.045	25	31	.54	189	.07	3	1.62	.01	.12	<2	<5	<1
C 8+50N 32+50E	1	21	20	66	<.3	18	7	209	2.40	6	<5	<2	<2	16	.2	<2	3	49	.17	.036	22	28	.48	158	.06	4	1.58	.01	.10	<2	<5	<1
C 7+50N 23+50E	1	36	67	228	<.3	27	10	420	2.97	9	<5	<2	6	19	<.2	<2	<2	51	.22	.054	29	32	.62	119	.10	3	1.75	.01	.17	<2	<5	<1
C 7+50N 24+00E	1	24	105	475	<.3	23	5	206	2.62	8	<5	<2	<2	18	.8	<2	<2	48	.19	.051	28	30	.46	94	.04	<3	1.64	.01	.12	<2	<5	<1
C 7+50N 24+50E	1	29	154	431	.3	26	9	438	3.09	7	<5	<2	4	21	.7	<2	4	53	.19	.051	39	30	.55	166	.06	5	1.79	.01	.14	<2	<5	<1
C 7+50N 25+00E	1	25	38	130	<.3	24	9	360	2.78	10	<5	<2	3	19	.4	<2	2	53	.23	.053	26	29	.52	143	.08	<3	1.50	.01	.09	<2	<5	<1
C 7+50N 25+50E	1	22	41	144	.3	14	5	225	2.22	5	<5	<2	<2	18	.8	<2	<2	45	.15	.057	26	26	.29	142	.04	<3	1.33	.02	.09	<2	<5	1
C 7+50N 26+00E	1	24	14	59	<.3	10	5	206	2.23	9	<5	<2	<2	14	<.2	<2	5	67	.09	.038	16	21	.16	79	.06	<3	1.23	.01	.05	<2	<5	<1
C 7+50N 26+50E	2	46	19	102	<.3	32	8	337	4.03	8	<5	<2	3	13	.4	<2	7	71	.08	.046	40	35	.54	96	.07	<3	1.66	.01	.23	2	<5	<1
C 7+50N 27+00E	2	31	23	89	<.3	34	11	369	3.88	17	<5	<2	8	15	<.2	<2	<2	70	.12	.040	31	38	.58	125	.08	4	2.23	.01	.15	<2	<5	<1
C 7+50N 27+50E	1	33	12	77	<.3	31	11	353	3.54	6	<5	<2	6	17	.2	<2	2	65	.20	.054	22	39	.65	166	.11	3	2.09	.01	.20	<2	<5	<1
C 7+50N 28+00E	2	39	20	129	<.3	33	11	352	3.58	13	<5	<2	7	19	<.2	<2	4	62	.20	.060	46	36	.65	157	.09	<3	1.95	.01	.21	<2	<5	<1
C 7+50N 28+50E	1	41	32	175	<.3	37	13	494	4.06	19	<5	<2	6	17	.3	2	<2	65	.18	.058	33	39	.61	150	.08	3	2.15	.01	.20	2	<5	1
C 7+50N 29+00E	1	28	20	99	<.3	24	8	327	3.05	19	5	<2	3	16	.3	<2	<2	60	.17	.049	25	34	.55	132	.08	<3	1.65	.01	.15	2	<5	<1
C 7+50N 29+50E	1	32	20	83	.3	24	8	284	2.59	8	<5	<2	<2	20	<.2	<2	<2	51	.18	.044	25	30	.47	144	.06	3	1.46	.01	.14	<2	<5	1
STANDARD C	18	58	36	122	6.7	64	29	1091	3.74	42	22	6	36	49	17.5	18	22	66	.49	.089	43	60	.89	174	.08	32	1.78	.06	.15	11	<5	1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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	Tl ppm	Hg ppm
C 7+50N 30+00E	1	29	10	81	<.3	23	7	244	2.56	4	<5	<2	4	17	<.2	<2	3	49	.18	.040	25	29	.52	135	.07	<3	1.53	.01	.12	<2	<5	1
C 7+50N 30+50E	1	28	14	89	<.3	24	8	255	2.67	7	8	<2	2	16	<.2	3	3	50	.17	.043	26	29	.51	138	.06	<3	1.57	.01	.14	<2	<5	1
C 7+50N 31+00E	1	32	19	94	<.3	27	7	314	2.67	7	<5	<2	5	23	<.2	2	<2	51	.27	.047	28	32	.59	188	.08	5	1.47	.01	.12	<2	<5	1
C 7+50N 31+50E	1	28	14	88	<.3	23	6	240	2.50	7	<5	<2	3	19	<.2	<2	<2	48	.22	.041	24	30	.55	174	.07	4	1.52	.01	.10	<2	<5	<1
C 7+50N 32+00E	1	23	18	80	<.3	22	7	270	2.44	6	<5	<2	2	17	<.2	2	5	46	.18	.042	27	29	.50	199	.06	4	1.58	.01	.10	<2	<5	<1
C 7+50N 32+50E	1	21	16	77	.3	19	8	285	2.41	7	7	<2	2	16	<.2	<2	<2	46	.17	.043	24	29	.48	152	.05	<3	1.50	.01	.10	<2	<5	1
C 6+50N 14+50E	1	33	8	76	<.3	30	10	374	3.29	8	<5	<2	5	17	<.2	<2	2	84	.23	.041	21	40	.81	247	.10	<3	1.85	.01	.09	<2	<5	<1
C 6+50N 15+00E	1	38	11	75	<.3	30	11	370	3.39	7	<5	<2	3	17	<.2	<2	4	88	.30	.039	14	38	.88	249	.14	<3	2.09	.02	.12	<2	<5	<1
C 6+50N 15+50E	1	31	7	76	<.3	32	9	427	3.15	8	<5	<2	3	22	.4	<2	<2	70	.30	.056	20	40	.71	212	.08	3	1.90	.01	.08	<2	<5	<1
C 6+50N 16+00E	1	17	12	53	<.3	20	7	273	3.02	7	<5	<2	4	15	<.2	<2	<2	76	.17	.026	16	34	.49	186	.07	<3	1.83	.01	.06	<2	<5	<1
C 6+50N 16+50E	1	24	9	56	<.3	27	9	302	3.03	9	<5	<2	4	14	<.2	2	<2	73	.17	.024	14	39	.65	142	.09	<3	1.98	.01	.06	<2	<5	1
C 6+50N 17+00E	1	29	17	63	<.3	37	12	367	3.25	11	<5	<2	6	17	<.2	<2	<2	71	.20	.024	22	48	.74	177	.08	<3	2.04	.01	.06	<2	<5	<1
C 6+50N 17+50E	1	17	10	60	<.3	35	10	438	3.09	9	<5	<2	2	15	<.2	<2	2	68	.18	.032	15	52	.51	159	.05	<3	1.81	.01	.05	<2	<5	<1
C 6+50N 18+00E	1	12	13	50	<.3	16	5	309	4.06	13	6	<2	4	12	.2	2	3	75	.11	.040	17	34	.45	75	.08	<3	1.52	.01	.06	2	<5	1
C 6+50N 18+50E	1	14	14	48	<.3	16	6	170	2.82	9	<5	<2	<2	14	.3	<2	2	59	.13	.028	26	29	.40	127	.05	3	1.73	.01	.07	<2	<5	1
C 6+50N 19+00E	1	19	15	51	<.3	17	7	214	3.02	7	<5	<2	6	13	<.2	<2	4	65	.11	.031	23	34	.42	120	.07	3	1.99	<.01	.07	<2	<5	<1
C 6+50N 19+50E	1	25	16	70	<.3	26	11	350	3.23	11	<5	<2	8	14	.2	2	<2	56	.13	.033	29	35	.52	159	.06	<3	2.18	.01	.10	<2	<5	1
C 6+50N 20+00E	1	16	13	53	<.3	15	7	251	3.09	11	<5	<2	6	14	<.2	2	<2	62	.14	.024	19	34	.49	112	.08	<3	1.99	.01	.07	<2	<5	1
C 6+50N 20+50E	1	17	12	51	<.3	20	6	207	3.55	9	5	<2	2	13	<.2	2	<2	59	.14	.032	15	34	.47	90	.07	4	1.75	.01	.06	<2	<5	1
RE C 6+50N 20+50E	1	18	15	53	<.3	22	7	218	3.76	10	<5	<2	2	13	.2	2	<2	62	.14	.033	17	34	.50	94	.07	4	1.85	.01	.07	<2	<5	1
C 6+50N 21+00E	1	35	11	83	<.3	32	12	460	3.36	9	<5	<2	9	15	<.2	<2	<2	57	.15	.040	28	33	.58	131	.08	<3	2.19	.01	.15	2	<5	2
C 6+50N 21+50E	1	9	11	21	<.3	6	2	88	1.38	4	<5	<2	2	10	<.2	2	2	47	.07	.011	27	17	.15	85	.04	<3	1.35	<.01	.04	<2	<5	<1
C 6+50N 22+00E	1	25	14	69	<.3	24	8	312	2.92	6	<5	<2	5	16	<.2	2	3	48	.17	.032	32	30	.62	144	.09	3	1.78	.01	.21	<2	<5	1
C 6+50N 22+50E	1	12	11	55	<.3	17	8	264	2.86	4	<5	<2	5	13	<.2	3	2	47	.15	.031	20	29	.53	101	.08	<3	1.81	.01	.14	<2	<5	<1
C 6+50N 23+00E	<1	19	13	66	<.3	20	9	299	2.99	12	<5	<2	5	13	.5	2	<2	44	.18	.040	27	29	.66	92	.10	<3	1.74	.01	.24	<2	<5	2
C 6+50N 23+50E	1	26	14	52	<.3	13	4	142	2.05	<2	<5	<2	<2	14	<.2	2	<2	39	.11	.055	24	24	.27	101	.03	<3	1.22	.01	.19	<2	<5	<1
C 6+50N 24+00E	1	24	22	107	<.3	17	5	181	2.38	9	<5	<2	<2	14	.2	<2	<2	54	.11	.032	29	26	.40	92	.07	<3	1.21	.01	.25	2	<5	1
C 6+50N 24+50E	1	28	90	509	<.3	19	6	231	2.70	4	<5	<2	<2	31	.4	3	<2	47	.16	.059	34	25	.42	94	.05	<3	1.40	.01	.18	<2	<5	<1
C 6+50N 25+00E	1	35	53	136	.3	25	10	365	3.01	9	<5	<2	4	19	.7	2	<2	54	.21	.060	33	34	.53	153	.07	<3	1.81	.01	.16	<2	<5	<1
C 6+50N 25+50E	1	27	25	120	<.3	22	9	649	3.81	9	<5	<2	3	15	<.2	2	2	58	.16	.077	24	32	.44	86	.07	3	1.51	.01	.17	<2	<5	<1
C 6+50N 26+00E	1	59	280	697	.3	26	6	282	3.87	3	<5	<2	11	19	2.6	<2	<2	46	.07	.054	62	28	.52	127	.07	4	1.66	.01	.37	<2	<5	1
C 6+50N 26+50E	1	15	40	175	<.3	15	6	227	3.42	3	<5	<2	<2	13	.5	<2	<2	65	.12	.030	20	30	.36	103	.06	<3	1.84	<.01	.07	<2	<5	1
C 6+50N 27+00E	1	32	56	426	<.3	25	7	439	2.76	8	<5	<2	6	18	.9	2	<2	41	.21	.056	40	22	.38	134	.06	<3	1.09	.01	.11	<2	<5	<1
C 6+50N 27+50E	1	30	36	346	<.3	25	6	371	3.06	8	<5	<2	4	15	.6	<2	<2	55	.12	.045	41	28	.44	118	.05	3	1.55	<.01	.15	<2	<5	<1
C 6+50N 28+00E	1	42	32	363	<.3	31	10	460	3.15	5	<5	<2	4	14	1.6	2	2	53	.11	.047	44	30	.48	149	.05	3	1.61	<.01	.18	<2	<5	<1
STANDARD C	18	59	37	125	6.9	64	31	1142	3.84	42	20	6	37	50	17.7	16	16	66	.51	.092	44	62	.92	184	.08	32	1.83	.06	.15	12	<5	1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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	Tl ppm	Hg ppm
C 6+50N 28+50E	1	28	30	159	<.3	23	7	282	2.85	7	<5	<2	<2	13	.8	<2	<2	50	.11	.045	30	29	.44	105	.04	<3	1.47	.01	.15	<2	<5	<1
C 6+50N 29+00E	1	29	20	108	<.3	23	8	350	2.58	3	<5	<2	5	17	.4	<2	<2	47	.20	.045	28	27	.54	152	.07	<3	1.32	.01	.11	<2	<5	<1
C 6+50N 29+50E	1	26	57	123	.3	24	7	272	2.56	9	<5	<2	3	15	<.2	<2	<2	48	.17	.046	25	30	.51	112	.07	<3	1.47	.01	.12	<2	<5	<1
C 6+50N 30+00E	1	38	75	122	.5	25	8	307	2.36	6	<5	<2	<2	20	.8	3	3	44	.17	.070	26	40	.35	208	.02	<3	1.50	.01	.14	<2	<5	1
C 6+50N 30+50E	1	35	45	149	.3	27	8	304	2.81	4	<5	<2	5	16	.7	<2	2	48	.18	.044	29	30	.56	154	.08	<3	1.47	.01	.15	<2	<5	<1
C 6+50N 31+00E	1	30	41	154	<.3	25	8	252	2.64	5	<5	<2	4	13	<.2	<2	3	46	.15	.039	25	31	.53	134	.07	<3	1.51	<.01	.13	<2	<5	<1
C 6+50N 31+50E	1	28	45	114	<.3	21	6	228	2.64	4	<5	<2	<2	13	.7	<2	<2	50	.12	.042	23	31	.45	155	.04	<3	1.70	.01	.10	<2	<5	<1
C 6+50N 32+00E	1	21	32	92	<.3	17	6	195	2.45	11	<5	<2	<2	13	.6	<2	<2	47	.10	.041	22	28	.37	128	.04	3	1.50	.01	.09	<2	<5	<1
C 6+50N 32+50E	1	23	28	91	.4	20	8	272	2.35	8	<5	<2	<2	13	.6	<2	3	40	.13	.063	39	28	.40	137	.04	<3	1.48	.01	.12	<2	<5	1
C 5+50N 14+50E	1	33	7	68	<.3	25	10	285	2.73	9	<5	<2	2	17	.9	<2	<2	64	.27	.042	16	36	.71	219	.09	<3	1.53	.02	.06	<2	<5	1
C 5+50N 15+00E	1	31	8	74	<.3	27	8	350	2.96	8	<5	<2	3	18	.9	<2	3	60	.19	.038	20	35	.66	232	.07	<3	1.65	.01	.05	<2	<5	1
C 5+50N 15+50E	2	49	12	141	<.3	40	11	532	3.79	12	<5	<2	3	13	.4	<2	<2	70	.08	.048	20	40	.63	207	.06	<3	2.06	<.01	.12	<2	<5	<1
C 5+50N 16+00E	1	28	12	75	.3	28	8	327	2.75	11	<5	<2	3	21	.6	<2	<2	55	.33	.035	20	34	.59	265	.04	<3	1.82	.01	.07	<2	<5	<1
C 5+50N 16+50E	1	16	14	61	<.3	21	8	338	2.53	9	<5	<2	4	17	.5	<2	<2	49	.22	.046	19	34	.48	190	.05	<3	1.52	.01	.05	<2	<5	1
C 5+50N 17+00E	1	35	14	69	<.3	44	11	437	3.15	16	<5	<2	6	13	1.0	<2	6	59	.11	.015	20	67	.69	155	.08	<3	1.81	.01	.06	<2	<5	1
C 5+50N 17+50E	1	30	15	71	<.3	33	10	437	3.12	14	<5	<2	5	13	<.2	<2	<2	55	.11	.031	19	46	.57	131	.06	<3	1.91	.01	.07	<2	<5	1
C 5+50N 18+00E	1	16	13	71	<.3	20	9	306	3.11	9	<5	<2	6	11	.3	<2	<2	51	.10	.029	23	32	.47	110	.05	4	1.84	.01	.08	<2	<5	<1
C 5+50N 18+50E	1	22	9	68	<.3	21	7	305	3.07	11	<5	<2	6	12	.4	<2	<2	56	.10	.027	24	35	.52	135	.07	3	1.90	.01	.06	<2	<5	<1
C 5+50N 19+00E	1	19	16	70	<.3	21	9	393	3.27	13	<5	<2	4	12	<.2	2	<2	63	.10	.032	20	39	.53	127	.07	<3	1.98	.01	.06	<2	<5	2
C 5+50N 19+50E	1	33	17	88	<.3	27	9	307	2.85	12	<5	<2	7	12	.5	<2	<2	43	.10	.032	52	27	.47	137	.04	<3	1.77	.01	.12	<2	<5	2
C 5+50N 20+00E	1	21	12	72	<.3	21	9	380	2.89	4	<5	<2	3	12	.6	<2	<2	48	.12	.033	22	28	.46	104	.06	<3	1.66	.01	.11	<2	<5	<1
C 5+50N 20+50E	1	21	13	69	<.3	19	7	273	3.16	10	<5	<2	3	13	.6	<2	<2	61	.11	.032	21	34	.48	124	.07	<3	1.96	.01	.09	<2	<5	1
RE C 5+50N 20+50E	1	20	15	65	<.3	18	7	258	2.99	11	<5	<2	3	12	.6	<2	2	58	.11	.031	20	32	.46	121	.07	<3	1.86	.01	.08	<2	<5	<1
C 5+50N 21+00E	1	19	11	63	<.3	21	7	218	3.15	12	<5	<2	4	11	.3	<2	<2	55	.09	.023	15	32	.50	92	.07	5	1.92	.01	.06	<2	<5	<1
C 5+50N 21+50E	1	23	17	78	<.3	20	8	394	3.27	4	<5	<2	2	8	.4	<2	3	46	.05	.031	23	25	.47	66	.07	<3	1.43	.01	.25	<2	<5	<1
C 5+50N 22+00E	1	23	14	75	<.3	18	5	289	3.39	12	<5	<2	3	10	<.2	<2	2	61	.07	.040	24	26	.42	72	.08	<3	1.28	.01	.18	<2	<5	<1
C 5+50N 22+50E	1	20	15	59	<.3	19	8	277	2.68	9	<5	<2	2	14	.3	<2	8	49	.16	.041	17	31	.51	109	.07	<3	1.65	.01	.08	<2	<5	1
C 5+50N 23+00E	1	27	10	63	<.3	21	9	339	2.90	17	5	<2	6	15	<.2	<2	2	52	.17	.038	24	33	.56	141	.08	<3	1.78	.01	.08	<2	<5	<1
C 5+50N 23+50E	1	20	12	76	<.3	23	11	377	3.34	8	<5	<2	6	13	.6	<2	<2	56	.14	.048	21	29	.53	112	.09	<3	1.88	.01	.14	<2	<5	<1
C 5+50N 24+00E	1	21	15	77	<.3	18	9	379	2.96	7	<5	<2	7	14	<.2	<2	<2	39	.17	.030	31	28	.67	138	.12	<3	1.63	.01	.32	<2	<5	1
C 5+50N 24+50E	1	25	14	88	<.3	24	10	396	3.59	10	<5	<2	8	15	<.2	<2	5	42	.21	.040	48	31	.78	185	.14	4	1.92	.02	.48	<2	<5	<1
C 5+50N 25+00E	1	28	14	78	<.3	21	10	428	3.15	15	5	<2	4	15	.4	<2	<2	51	.19	.052	19	31	.51	122	.08	<3	1.78	.01	.14	<2	<5	1
C 5+50N 25+50E	1	19	18	39	<.3	9	3	151	2.44	4	<5	<2	<2	11	.4	<2	4	50	.10	.048	19	23	.22	96	.05	3	1.48	.01	.08	<2	<5	<1
C 5+50N 26+00E	2	30	24	75	<.3	12	5	351	2.78	8	<5	<2	2	14	.5	<2	<2	58	.08	.048	43	23	.27	114	.05	<3	1.55	.01	.21	<2	<5	1
C 5+50N 26+50E	1	27	199	187	.3	9	2	122	1.67	<2	<5	<2	<2	11	1.8	<2	<2	34	.06	.050	25	18	.18	91	.03	<3	.83	.01	.16	<2	<5	1
STANDARD C	18	56	38	137	6.7	64	30	1079	3.75	41	18	7	32	48	17.7	18	20	63	.48	.090	41	57	.89	172	.08	29	1.73	.06	.14	11	<5	2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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	Tl ppm	Hg ppm
C 5+50N 27+00E	1	24	159	286	<.3	21	14	1085	3.65	10	5	<2	5	16	.4	<2	<2	56	.15	.063	24	38	.51	114	.06	4	2.04	.01	.13	<2	<5	<1
C 5+50N 27+50E	1	19	43	159	<.3	15	5	184	2.40	5	<5	<2	<2	15	1.4	<2	2	53	.14	.040	20	27	.36	136	.05	4	1.51	.01	.11	<2	<5	3
C 5+50N 28+00E	1	24	96	305	<.3	16	5	195	2.45	3	<5	<2	<2	13	.3	<2	<2	44	.11	.039	32	26	.34	122	.03	<3	1.28	.01	.11	<2	<5	<1
C 5+50N 28+50E	1	26	77	296	<.3	16	4	195	2.42	4	<5	<2	<2	13	.8	<2	3	43	.11	.045	32	27	.33	126	.03	<3	1.48	.01	.11	<2	<5	2
C 5+50N 29+00E	1	18	36	146	<.3	14	4	156	2.11	4	<5	<2	<2	13	.7	<2	4	43	.13	.040	18	27	.35	101	.03	<3	1.31	.02	.07	<2	<5	1
C 5+50N 29+50E	1	24	50	271	<.3	22	5	224	2.54	4	<5	<2	2	16	.6	<2	2	47	.14	.041	30	25	.41	86	.06	<3	1.22	.01	.12	<2	<5	<1
RE C 5+50N 29+50E	1	23	44	272	<.3	20	6	222	2.56	8	<5	<2	3	16	.6	<2	2	48	.14	.042	29	26	.42	88	.06	<3	1.24	.01	.11	<2	<5	2
C 5+50N 30+00E	2	35	39	335	.6	26	6	208	3.00	13	<5	<2	<2	19	1.1	<2	2	52	.17	.071	33	37	.46	158	.04	3	1.67	.01	.13	<2	<5	1
C 5+50N 30+50E	1	23	40	211	.3	21	5	129	2.23	12	<5	<2	<2	17	.7	<2	2	48	.14	.056	26	31	.40	162	.03	4	1.69	.01	.10	<2	<5	1
C 5+50N 31+00E	1	27	29	124	1.2	18	5	133	2.25	<2	<5	<2	<2	34	1.5	<2	<2	26	.30	.164	24	25	.19	250	.02	<3	1.31	.02	.07	<2	<5	1
C 5+50N 31+50E	2	22	19	81	<.3	18	4	212	2.23	8	<5	<2	<2	10	<.2	<2	<2	53	.06	.038	30	19	.22	53	.06	<3	.92	<.01	.12	<2	<5	<1
C 5+50N 32+00E	2	28	16	97	<.3	20	6	253	3.26	10	<5	<2	<2	11	.4	<2	4	61	.09	.043	26	26	.35	62	.06	<3	1.37	.01	.11	<2	<5	<1
C 4+50N 19+00E	1	33	12	63	<.3	26	10	346	3.11	6	<5	<2	7	18	.2	<2	<2	59	.15	.024	29	39	.61	206	.08	3	1.94	.01	.07	<2	<5	1
C 4+50N 19+50E	1	17	11	45	<.3	17	6	169	2.72	6	<5	<2	3	13	<.2	<2	<2	58	.10	.029	19	34	.40	117	.06	<3	1.74	.01	.06	<2	<5	<1
C 4+50N 20+00E	1	21	12	67	<.3	23	11	332	3.43	15	<5	<2	7	15	.6	<2	4	63	.12	.023	18	44	.65	119	.10	<3	2.08	.01	.08	<2	<5	<1
C 4+50N 20+50E	1	18	5	48	<.3	14	7	195	2.53	10	<5	<2	<2	11	<.2	<2	2	54	.10	.024	22	29	.40	108	.06	<3	1.59	.01	.07	<2	<5	1
C 4+50N 21+00E	1	19	9	51	<.3	15	6	219	2.67	7	<5	<2	2	12	.3	<2	<2	53	.10	.024	22	31	.44	126	.06	3	1.69	.01	.07	<2	<5	<1
C 4+50N 21+50E	1	37	13	104	<.3	31	9	239	3.52	7	<5	<2	7	10	<.2	<2	<2	45	.07	.039	61	28	.56	99	.07	<3	1.74	.01	.30	<2	<5	<1
C 4+50N 22+00E	1	26	17	74	<.3	29	9	285	4.87	8	<5	<2	6	11	<.2	<2	<2	66	.09	.027	17	44	.61	105	.07	<3	2.53	.01	.11	<2	<5	<1
C 4+50N 22+50E	1	37	19	96	<.3	33	9	217	4.55	5	6	<2	11	11	<.2	<2	<2	50	.06	.030	39	34	.56	107	.07	3	2.25	.01	.31	<2	<5	1
C 4+50N 23+00E	1	19	9	54	<.3	21	10	271	3.16	10	<5	<2	6	13	.3	<2	<2	55	.12	.021	15	34	.56	132	.08	3	2.12	.01	.09	<2	<5	1
C 4+50N 23+50E	1	27	7	62	<.3	28	11	245	3.55	4	<5	<2	8	12	<.2	<2	<2	49	.12	.016	23	31	.63	119	.11	<3	1.99	.01	.23	<2	<5	1
C 4+50N 24+00E	1	12	12	37	<.3	8	5	233	2.73	4	<5	<2	4	8	<.2	<2	<2	58	.06	.019	14	20	.33	61	.09	<3	1.32	.01	.14	<2	<5	1
C 4+50N 24+50E	1	15	17	62	<.3	17	9	399	3.48	9	<5	<2	8	14	<.2	<2	5	41	.18	.012	24	30	.77	159	.10	<3	2.15	.01	.20	<2	<5	1
C 4+50N 25+00E	1	14	13	39	<.3	15	6	181	2.64	10	<5	<2	2	13	<.2	<2	<2	54	.14	.025	19	28	.44	93	.08	<3	1.47	<.01	.08	<2	<5	1
C 4+50N 25+50E	1	29	8	77	<.3	161	23	385	2.58	57	<5	<2	7	8	<.2	<2	<2	32	.09	.029	32	204	.85	91	.06	<3	1.41	<.01	.22	<2	<5	1
C 4+50N 26+00E	1	29	10	77	<.3	28	8	247	2.66	5	<5	<2	8	16	.3	<2	<2	41	.18	.034	47	32	.56	137	.08	6	1.44	.01	.20	<2	<5	<1
C 4+50N 26+50E	1	31	11	74	<.3	27	9	366	2.77	6	<5	<2	10	14	.3	<2	<2	43	.16	.035	45	27	.57	150	.08	<3	1.59	.01	.20	<2	<5	<1
C 4+50N 27+00E	1	23	13	69	<.3	21	9	280	2.69	5	<5	<2	5	13	<.2	<2	<2	42	.15	.035	30	26	.54	104	.08	<3	1.57	.01	.18	<2	<5	2
C 4+50N 27+50E	2	15	18	54	<.3	18	10	595	3.61	15	<5	<2	7	12	.4	<2	<2	56	.12	.048	20	48	.46	101	.06	<3	2.01	.01	.09	<2	<5	1
C 4+50N 28+00E	1	27	15	83	<.3	30	8	247	3.21	8	<5	<2	5	15	<.2	<2	<2	47	.11	.041	53	35	.59	161	.06	3	1.80	.01	.20	<2	<5	<1
C 4+50N 28+50E	1	26	11	69	<.3	30	8	390	2.71	11	<5	<2	6	15	<.2	<2	<2	48	.15	.040	34	38	.63	149	.08	3	1.64	.01	.14	<2	<5	1
C 4+50N 29+00E	1	27	9	73	<.3	33	7	235	2.74	13	<5	<2	2	13	<.2	<2	3	48	.14	.044	26	45	.66	121	.07	<3	1.72	<.01	.17	<2	<5	1
C 4+50N 29+50E	1	29	14	60	<.3	30	6	231	2.26	10	<5	<2	<2	13	.3	<2	5	46	.09	.037	25	46	.45	127	.04	<3	1.47	.01	.12	<2	<5	1
C 4+50N 30+00E	1	28	18	59	.6	27	5	199	2.41	5	<5	<2	<2	16	<.2	<2	3	40	.12	.089	32	44	.36	139	.02	<3	1.65	.01	.12	<2	<5	<1
STANDARD C	18	57	37	122	6.8	65	31	1050	3.79	42	19	6	36	49	17.7	15	20	65	.49	.089	43	59	.90	165	.08	30	1.78	.06	.14	10	<5	2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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	Tl ppm	Hg ppm
C 4+50N 30+50E	<1	20	13	81	<.3	30	8	388	2.91	4	<5	<2	4	14	<.2	<2	5	51	.14	.046	25	34	.50	104	.06	<3	1.67	.01	.09	<2	<5	<1
C 4+50N 31+00E	1	32	215	279	.8	30	9	322	3.44	10	<5	<2	7	21	.7	<2	4	53	.07	.035	27	33	.43	108	.04	<3	2.15	.01	.11	<2	<5	1
C 4+50N 31+50E	<1	33	12	80	<.3	43	8	296	2.65	<2	<5	<2	4	19	<.2	<2	2	44	.35	.068	29	54	.66	191	.05	<3	1.66	.01	.10	<2	<5	1
C 4+50N 32+00E	1	37	12	86	<.3	43	12	782	2.83	13	<5	<2	2	22	.2	<2	5	45	.41	.077	32	51	.63	198	.03	<3	1.70	<.01	.12	<2	<5	1
C 4+50N 32+50E	1	26	17	90	<.3	42	8	370	2.62	11	<5	<2	2	14	<.2	<2	3	45	.16	.054	28	47	.64	114	.04	<3	1.51	.01	.10	<2	<5	<1
C 3+50N 14+50E	1	23	6	60	<.3	26	6	275	2.78	<2	<5	<2	<2	14	<.2	<2	5	52	.13	.033	21	30	.45	168	.04	<3	1.45	.01	.09	<2	<5	<1
C 3+50N 15+00E	1	28	13	56	<.3	25	7	263	2.76	7	<5	<2	3	11	<.2	<2	9	50	.11	.022	25	33	.43	138	.05	<3	1.54	.01	.10	<2	<5	<1
C 3+50N 15+50E	1	19	13	52	<.3	21	7	247	2.89	7	<5	<2	7	12	<.2	<2	2	54	.11	.024	27	29	.40	148	.05	<3	1.72	.01	.08	<2	<5	<1
C 3+50N 16+00E	1	18	9	47	<.3	23	6	257	2.21	4	<5	<2	<2	16	<.2	<2	<2	44	.18	.036	18	32	.43	149	.05	<3	1.28	.01	.06	<2	<5	1
C 3+50N 16+50E	1	23	14	61	<.3	25	6	187	2.72	2	<5	<2	<2	11	<.2	<2	<2	43	.09	.039	45	26	.37	108	.04	<3	1.42	.01	.14	<2	<5	<1
C 3+50N 17+00E	1	33	13	69	<.3	28	9	353	3.04	10	<5	<2	10	17	.2	<2	<2	50	.14	.022	43	33	.52	198	.06	<3	1.77	<.01	.11	<2	<5	<1
C 3+50N 17+50E	1	32	10	73	<.3	30	12	419	3.05	5	<5	<2	10	13	.2	<2	4	49	.13	.037	34	35	.56	150	.07	<3	1.88	.01	.16	<2	<5	<1
C 3+50N 18+00E	1	39	13	72	<.3	48	9	383	3.17	14	<5	<2	8	14	<.2	<2	4	57	.11	.024	33	61	.73	163	.07	<3	1.96	.01	.12	<2	<5	1
C 3+50N 18+50E	1	18	10	52	<.3	28	6	251	2.89	9	<5	<2	6	14	<.2	<2	5	61	.12	.023	22	41	.51	129	.07	<3	1.74	.01	.07	<2	<5	<1
C 3+50N 19+00E	1	30	13	67	<.3	40	10	436	3.53	11	<5	<2	8	15	.2	<2	2	65	.12	.027	19	49	.65	157	.10	<3	2.49	.01	.09	<2	<5	<1
C 3+50N 19+50E	1	48	14	85	<.3	72	9	416	3.94	15	<5	<2	8	10	<.2	<2	2	59	.05	.040	39	106	.98	131	.07	4	2.48	.01	.29	<2	<5	1
C 3+50N 20+00E	1	36	10	89	<.3	36	9	311	3.65	9	<5	<2	9	13	.5	<2	<2	57	.09	.035	46	37	.59	134	.07	<3	2.11	.01	.18	<2	<5	<1
C 3+50N 20+50E	1	22	10	62	<.3	26	9	312	3.18	8	<5	<2	7	13	.4	<2	4	57	.11	.025	21	37	.55	145	.07	<3	2.06	.01	.08	<2	<5	1
C 3+50N 21+00E	1	29	10	76	<.3	28	10	308	3.16	9	<5	<2	6	15	.4	<2	3	54	.12	.035	36	32	.56	152	.07	<3	1.90	.01	.15	<2	<5	1
C 3+50N 21+50E	<1	32	10	83	<.3	31	8	297	2.93	5	<5	<2	9	12	<.2	<2	<2	42	.13	.030	48	30	.60	156	.08	<3	1.65	.01	.24	<2	<5	<1
C 3+50N 22+00E	1	28	10	78	<.3	29	9	365	3.66	6	<5	<2	8	12	<.2	<2	<2	63	.10	.023	22	37	.60	156	.08	<3	2.49	.01	.12	<2	<5	<1
C 3+50N 22+50E	1	27	10	81	<.3	28	9	380	3.32	8	<5	<2	3	15	.6	<2	<2	53	.10	.036	35	33	.54	116	.06	<3	1.86	.01	.20	<2	<5	1
C 3+50N 23+00E	1	25	10	74	<.3	32	11	428	3.53	10	<5	<2	6	13	<.2	<2	7	55	.12	.033	22	36	.62	133	.07	<3	2.30	.01	.14	<2	<5	<1
C 3+50N 23+50E	1	25	11	63	<.3	28	9	312	3.39	9	<5	<2	6	16	<.2	<2	8	56	.15	.024	21	35	.59	131	.08	<3	1.99	.01	.10	<2	<5	1
RE C 3+50N 23+50E	1	24	12	62	<.3	26	10	309	3.41	13	6	<2	6	16	<.2	<2	<2	56	.15	.025	22	35	.59	137	.08	<3	1.99	.01	.10	<2	<5	1
C 3+50N 24+00E	1	46	13	89	<.3	43	13	567	4.18	12	<5	<2	12	18	<.2	<2	4	63	.15	.026	47	41	.83	203	.10	<3	2.81	.01	.18	<2	<5	<1
C 3+50N 24+50E	1	11	10	38	<.3	13	4	153	2.12	6	<5	<2	<2	11	<.2	<2	<2	46	.12	.024	16	24	.39	70	.07	<3	1.27	.01	.10	<2	<5	<1
C 3+50N 25+00E	1	32	14	84	<.3	42	10	272	3.59	8	<5	<2	6	12	<.2	<2	3	44	.08	.038	42	36	.56	113	.06	<3	2.14	.01	.26	<2	<5	1
C 3+50N 25+50E	1	11	16	38	<.3	12	5	180	2.35	7	8	<2	<2	10	<.2	<2	4	56	.09	.029	19	25	.31	69	.07	<3	1.28	.02	.07	<2	<5	<1
C 3+50N 26+00E	1	44	12	66	<.3	68	15	644	4.21	9	<5	<2	6	12	.2	<2	<2	78	.09	.024	21	95	1.04	148	.13	<3	2.62	.01	.34	2	<5	1
C 3+50N 26+50E	1	18	9	41	<.3	29	6	228	2.59	8	<5	<2	<2	12	<.2	<2	4	53	.11	.026	20	42	.45	93	.05	<3	1.55	.01	.08	<2	<5	<1
C 3+50N 27+00E	1	15	11	38	<.3	15	5	251	3.05	8	<5	<2	3	10	<.2	<2	3	72	.08	.023	14	28	.32	86	.07	<3	1.70	.01	.04	<2	<5	1
C 3+50N 27+50E	1	47	8	57	<.3	33	11	616	2.66	9	5	<2	5	14	<.2	<2	3	48	.17	.038	25	34	.55	146	.07	<3	1.52	.01	.10	<2	<5	<1
C 3+50N 28+00E	1	30	10	61	<.3	33	9	470	2.61	7	<5	<2	4	18	<.2	<2	<2	51	.21	.041	22	39	.59	183	.08	<3	1.51	.01	.07	<2	<5	1
C 3+50N 28+50E	<1	19	11	44	<.3	18	5	233	2.27	5	<5	<2	<2	14	<.2	<2	2	44	.17	.054	17	31	.41	113	.05	<3	1.41	.01	.06	<2	<5	<1
STANDARD C	18	59	37	120	6.7	67	30	1095	3.79	41	18	7	36	49	17.5	20	20	65	.49	.091	42	60	.89	174	.08	29	1.75	.06	.14	10	<5	1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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	Tl ppm	Hg ppm
C 3+50N 29+00E	1	24	7	63	<.3	29	9	509	2.58	7	<5	<2	<2	22	<.2	<2	<2	44	.22	.045	19	45	.50	93	.07	<3	1.47	.01	.09	2	<5	<1
C 3+50N 29+50E	1	19	14	61	<.3	24	8	323	2.53	12	<5	<2	<2	16	.4	<2	3	45	.18	.047	19	42	.49	111	.06	<3	1.62	.01	.08	2	<5	<1
RE C 3+50N 29+50E	1	22	13	62	<.3	25	8	334	2.64	9	<5	<2	<2	16	.5	<2	<2	47	.17	.049	19	44	.52	117	.06	<3	1.70	.01	.08	2	<5	<1
C 3+50N 30+00E	1	26	14	69	<.3	28	8	334	2.75	8	<5	<2	<2	15	.3	<2	<2	49	.15	.046	28	34	.47	120	.05	4	1.49	.01	.12	<2	<5	1
C 3+50N 30+50E	1	35	8	72	.3	31	8	448	2.14	5	<5	<2	<2	40	.4	<2	<2	33	1.49	.093	28	35	.45	188	.04	3	1.42	.01	.08	<2	<5	<1
C 3+50N 31+00E	1	31	11	67	<.3	29	8	234	2.44	7	<5	<2	5	21	<.2	<2	<2	36	.39	.060	33	30	.54	151	.04	<3	1.57	.01	.10	2	<5	<1
C 3+50N 31+50E	1	28	8	35	.7	15	4	102	1.63	3	<5	<2	<2	23	<.2	<2	<2	25	.26	.120	19	26	.23	154	.02	3	1.13	.02	.05	<2	<5	<1
C 3+50N 32+00E	2	37	10	96	.3	37	20	2060	3.60	11	<5	<2	2	20	<.2	<2	<2	53	.19	.082	35	35	.58	166	.05	<3	1.95	.01	.12	2	<5	<1
C 3+50N 32+50E	3	45	12	86	.3	39	13	739	3.30	13	<5	<2	2	22	.2	<2	<2	46	.22	.068	47	33	.51	126	.04	<3	1.71	.01	.13	<2	<5	<1
STANDARD C	18	57	37	126	7.1	68	30	1117	3.78	41	20	6	36	49	17.4	16	23	61	.49	.087	43	60	.90	158	.09	27	1.77	.06	.14	12	<5	1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Appendix B

STATISTICS

COPPER STATISTICS

CLIP GRID GEOCHEMISTRY

SUMMARY STATISTICS and HISTOGRAM — ARITHMETIC VALUES

Variable = Cu Unit = ppm N = 626

Mean =	27.361	Min =	4.000	1st Quartile =	21.000
Std. Dev. =	9.583	Max =	77.000	Median =	26.000
CV % =	35.026	Skewness =	1.091	3rd Quartile =	33.000

%	cum %	cls int	(# of bins = 28 - bin size = 2.704)
0.00	0.08	2.648	
0.16	0.24	5.352	
0.00	0.24	8.056	
0.32	0.56	10.759	*
2.88	3.43	13.463	*******
6.55	9.97	16.167	**********
5.91	15.87	18.870	**********
11.82	27.67	21.574	**********
14.86	42.50	24.278	**********
9.11	51.59	26.981	**********
13.90	65.47	29.685	**********
9.27	74.72	32.389	**********
9.11	83.81	35.093	**********
4.31	88.12	37.796	**********
3.83	91.95	40.500	**********
2.56	94.50	43.204	******
0.80	95.30	45.907	**
1.76	97.05	48.611	****
0.48	97.53	51.315	*
0.32	97.85	54.019	*
0.16	98.01	56.722	
0.64	98.64	59.426	**
0.80	99.44	62.130	**
0.16	99.60	64.833	
0.16	99.76	67.537	
0.00	99.76	70.241	
0.00	99.76	72.944	
0.00	99.76	75.648	
0.16	99.92	78.352	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

CLIP GRID GEOCHEMISTRY

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = Cu Unit = ppm N = 626

Mean =	1.4114	Min =	0.6021	1st Quartile =	1.3222
Std. Dev. =	0.1517	Max =	1.8865	Median =	1.4150
CV % =	10.7482	Skewness =	-0.3201	3rd Quartile =	1.5185

Anti-Log Mean = 25.786 Anti-Log Std. Dev. : (-) 18.184
(+) 36.567

%	cum %	antilog	cls int	(# of bins = 28 - bin size = 0.0476)
0.00	0.08	3.787	0.5783	
0.16	0.24	4.225	0.6258	
0.00	0.24	4.714	0.6734	
0.00	0.24	5.260	0.7210	
0.00	0.24	5.869	0.7686	
0.00	0.24	6.548	0.8161	
0.00	0.24	7.306	0.8637	
0.00	0.24	8.152	0.9113	
0.32	0.56	9.096	0.9588	*
0.00	0.56	10.149	1.0064	
1.44	1.99	11.324	1.0540	***
1.12	3.11	12.635	1.1016	***
1.92	5.02	14.097	1.1491	*****
2.24	7.26	15.729	1.1967	*****
5.11	12.36	17.550	1.2443	**********
7.35	19.70	19.582	1.2918	**********
7.99	27.67	21.848	1.3394	**********
14.86	42.50	24.378	1.3870	**********
13.42	55.90	27.200	1.4346	**********
13.10	68.98	30.348	1.4821	**********
9.27	78.23	33.861	1.5297	**********
9.90	88.12	37.781	1.5773	**********
5.59	93.70	42.155	1.6248	**********
2.88	96.57	47.035	1.6724	*******
0.96	97.53	52.480	1.7200	**
0.96	98.48	58.555	1.7676	**
1.12	99.60	65.333	1.8151	***
0.16	99.76	72.896	1.8627	
0.16	99.92	81.335	1.9103	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

CLIP GRID GEOCHEMISTRY

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = A:CLIPGC3.DAT

Variable = Cu Unit = ppm N = 626
N CI = 36

Transform = Logarithmic Number of Populations = 3

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	11.711	-	9.248	5.00
		+	14.830	
2	26.101	-	19.558	93.00
		+	34.832	
3	60.427	-	55.459	2.00
		+	65.839	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	7.303	18.780
2	14.656	46.483
3	50.900	71.737

##

CLIP GRID GEOCHEMISTRY

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = A:CLIPGC3.DAT

Variable = Cu Unit = ppm N = 626
N CI = 36

Transform = Logarithmic Number of Populations = 3

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

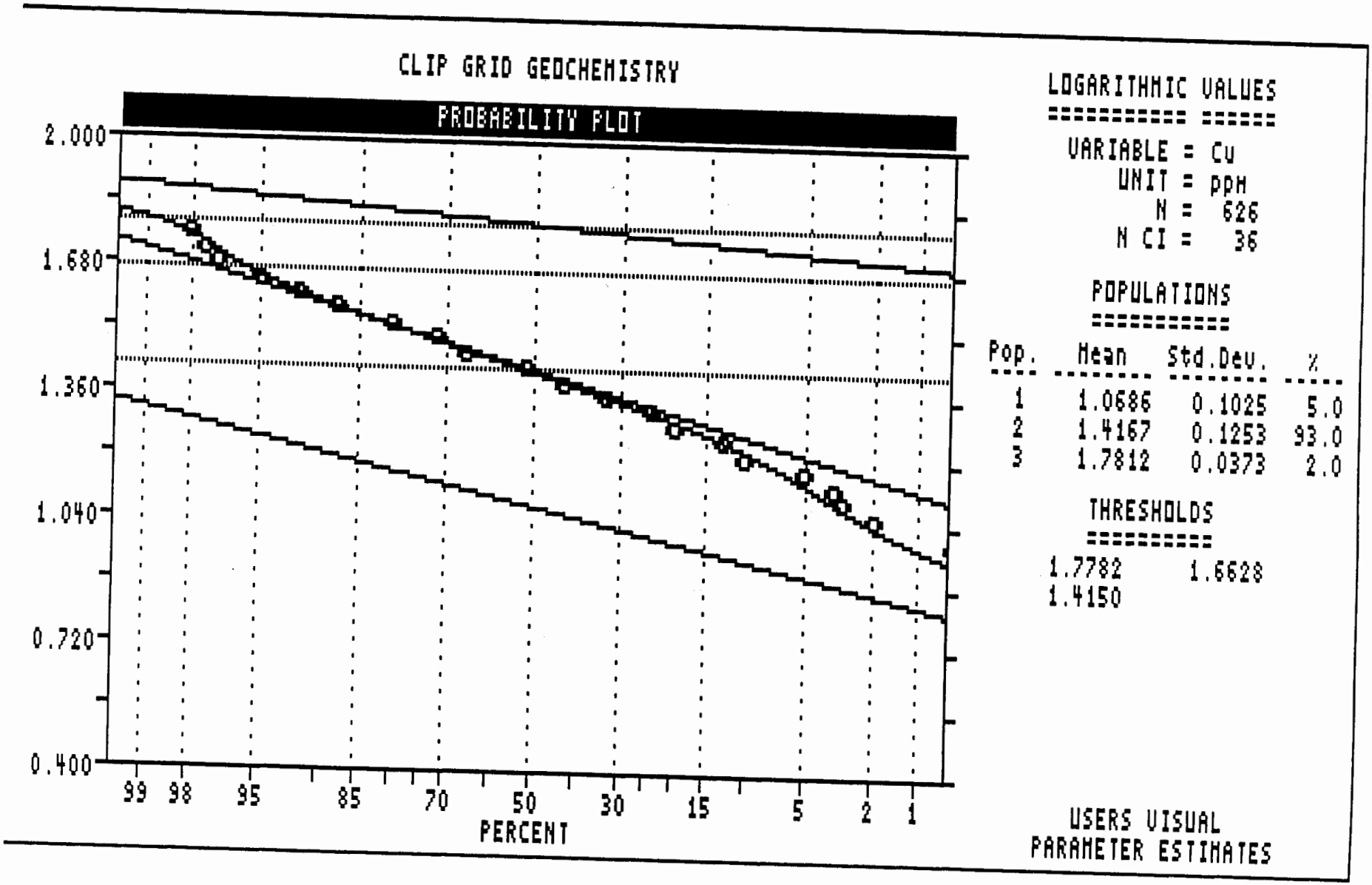
Population	Mean		Std Dev	Percentage
1	11.711	-	9.248	5.00
		+	14.830	
2	26.101	-	19.558	93.00
		+	34.832	
3	60.427	-	55.459	2.00
		+	65.839	

==========

User Defined Thresholds.

Thresholds
60.007
46.004
26.002

##


CLIP GRID GEOCHEMISTRY
PROBABILITY PLOT
2.000
1.680
1.360
1.040
0.720
0.400
99 98 95 85 70 50 30 15 5 2 1
PERCENT
LOGARITHMIC VALUES
VARIABLE = Cu
UNIT = ppm
N = 626
N CI = 36
POPULATIONS
Pop. Mean Std.Dev. %
1 1.0686 0.1025 5.0
2 1.4167 0.1253 93.0
3 1.7812 0.0373 2.0
THRESHOLDS
1.7782 1.6628
1.4150
USERS VISUAL
PARAMETER ESTIMATES

LEAD STATISTICS

CLIP GRID GEOCHEMISTRY

SUMMARY STATISTICS and HISTOGRAM — ARITHMETIC VALUES

Variable = Pb Unit = ppm N = 598

Mean =	17.818	Min =	5.000	1st Quartile =	10.000
Std. Dev. =	21.618	Max =	215.000	Median =	12.000
CV % =	121.329	Skewness =	5.364	3rd Quartile =	16.000

%	cum %	cls int	(# of bins = 36 - bin size = 6.000)	
0.00	0.08	2.000		
17.56	17.61	8.000	**********	--> 43
37.63	55.18	14.000	**********	--> 92
26.92	82.05	20.000	**********	--> 66
6.19	88.23	26.000	**********	
2.84	91.07	32.000	*******	
2.01	93.07	38.000	*****	
2.01	95.08	44.000	*****	
0.84	95.91	50.000	**	
0.67	96.58	56.000	**	
0.50	97.08	62.000	*	
0.17	97.25	68.000		
0.00	97.25	74.000		
0.33	97.58	80.000	*	
0.00	97.58	86.000		
0.17	97.75	92.000		
0.17	97.91	98.000		
0.17	98.08	104.000		
0.17	98.25	110.000		
0.17	98.41	116.000		
0.00	98.41	122.000		
0.00	98.41	128.000		
0.33	98.75	134.000	*	
0.17	98.91	140.000		
0.17	99.08	146.000		
0.00	99.08	152.000		
0.33	99.42	158.000	*	
0.17	99.58	164.000		
0.00	99.58	170.000		
0.00	99.58	176.000		
0.00	99.58	182.000		
0.00	99.58	188.000		
0.00	99.58	194.000		
0.17	99.75	200.000		
0.00	99.75	206.000		
0.00	99.75	212.000		
0.17	99.92	218.000		

0 1 2 3 4

Each "*" represents approximately 2.4 observations.

CLIP GRID GEOCHEMISTRY

SUMMARY STATISTICS and HISTOGRAM — LOGARITHMIC VALUES

Variable = Pb — Unit = ppm — N = 598

Mean =	1.1403	Min =	0.6990	1st Quartile =	1.0000
Std. Dev. =	0.2567	Max =	2.3324	Median =	1.0792
CV % =	22.5155	Skewness =	1.6410	3rd Quartile =	1.2041

Anti-Log Mean = 13.812 — Anti-Log Std. Dev. : (-) 7.648 (+) 24.946

%	cum %	antilog	cls int	(# of bins = 36 - bin size = 0.0467)
0.00	0.08	4.738	0.6756	
0.33	0.42	5.276	0.7223	*
0.00	0.42	5.875	0.7690	
6.86	7.26	6.541	0.8156	**********
1.17	8.43	7.283	0.8623	***
9.20	17.61	8.109	0.9090	**********
2.84	20.45	9.029	0.9557	*******
13.21	33.64	10.054	1.0023	**********
4.01	37.65	11.194	1.0490	**********
13.38	51.00	12.464	1.0957	**********
4.18	55.18	13.878	1.1423	**********
13.71	68.86	15.453	1.1890	**********
8.53	77.38	17.206	1.2357	**********
4.68	82.05	19.158	1.2824	**********
3.51	85.56	21.332	1.3290	*********
1.17	86.73	23.752	1.3757	***
2.51	89.23	26.446	1.4224	******
1.17	90.40	29.447	1.4690	***
1.67	92.07	32.787	1.5157	****
1.00	93.07	36.507	1.5624	**
1.34	94.41	40.649	1.6090	***
1.17	95.58	45.260	1.6557	***
0.50	96.08	50.395	1.7024	*
0.67	96.74	56.112	1.7491	**
0.33	97.08	62.478	1.7957	*
0.17	97.25	69.566	1.8424	
0.33	97.58	77.458	1.8891	*
0.00	97.58	86.246	1.9357	
0.33	97.91	96.031	1.9824	*
0.33	98.25	106.925	2.0291	*
0.17	98.41	119.056	2.0758	
0.33	98.75	132.563	2.1224	*
0.33	99.08	147.602	2.1691	*
0.50	99.58	164.347	2.2158	*
0.00	99.58	182.992	2.2624	
0.17	99.75	203.753	2.3091	
0.17	99.92	226.868	2.3558	

0 1 2 3 4

Each "*" represents approximately 2.4 observations.

CLIP GRID GEOCHEMISTRY

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = A:CLIPGC3.DAT

Variable = Pb Unit = ppm N = 598
N CI = 36

Transform = Logarithmic Number of Populations = 3

# of Missing Observations = 0.

25 Observations Were Below the Minimum Value of 4.0000
3 Observations Were Above the Maximum Value of 250.0000

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	11.095	-	8.199	80.00
		+	15.013	
2	25.862	-	18.450	17.00
		+	36.250	
3	111.187	-	74.922	3.00
		+	165.007	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	6.059	20.316
2	13.163	50.812
3	50.485	244.877

##

CLIP GRID GEOCHEMISTRY

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = A:CLIPGC3.DAT

Variable = Pb Unit = ppm N = 598
N CI = 36

Transform = Logarithmic Number of Populations = 3

# of Missing Observations = 0.

25 Observations Were Below the Minimum Value of 4.0000
3 Observations Were Above the Maximum Value of 250.0000

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	11.095	-	8.199	80.00
		+	15.013	
2	25.862	-	18.450	17.00
		+	36.250	
3	111.187	-	74.922	3.00
		+	165.007	

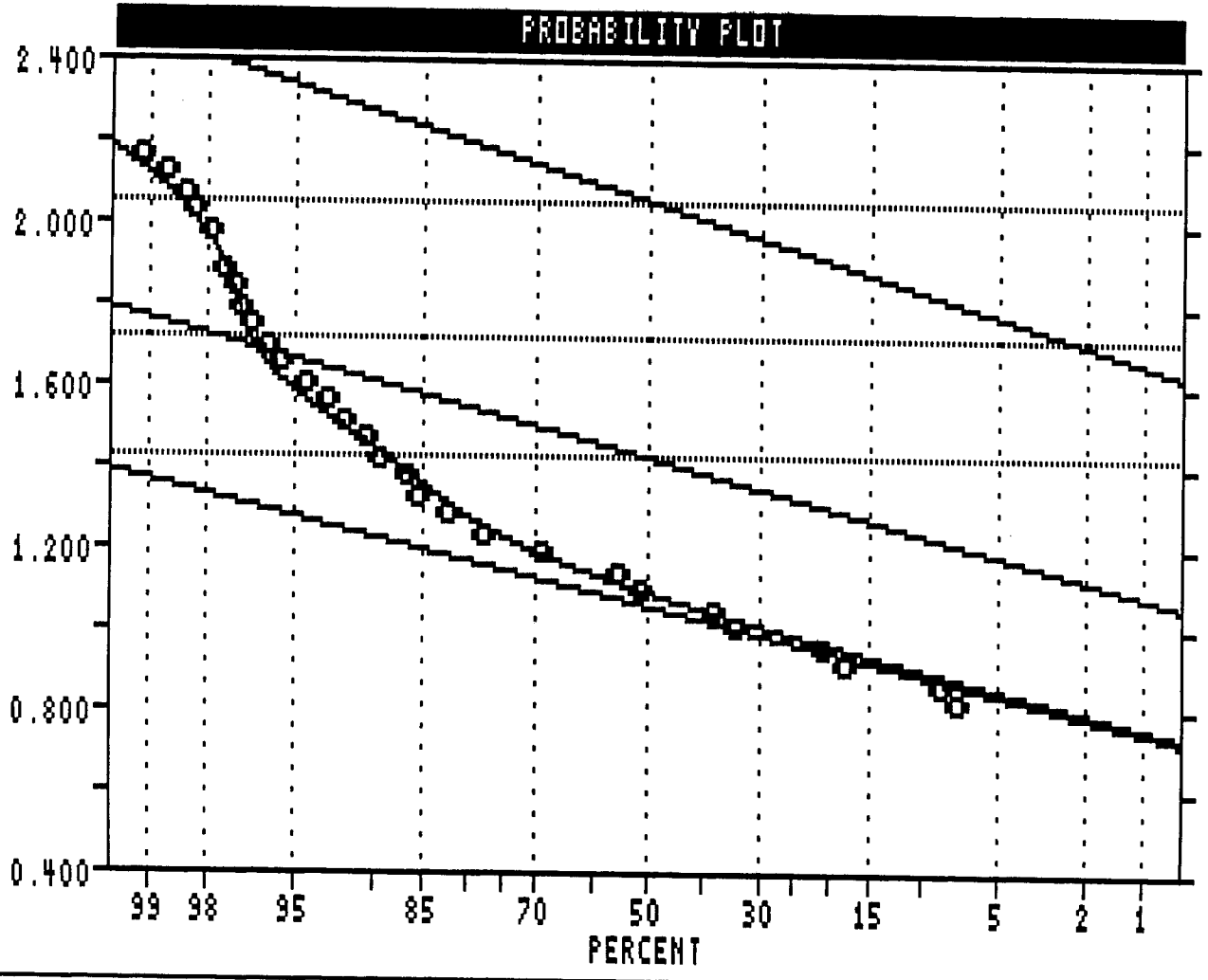
==========

User Defined Thresholds.

Thresholds
245.019
110.994
51.004
26.002

##

CLIP GRID GEOCHEMISTRY



LOGARITHMIC VALUES

VARIABLE = Pb
UNIT = ppm
N = 598
N CI = 36

POPULATIONS

Pop.	Mean	Std.Dev.	%
1	1.0451	0.1314	80.0
2	1.4127	0.1467	17.0
3	2.0461	0.1714	3.0

THRESHOLDS

2.3892	2.0453
1.7076	1.4150

USERS VISUAL
PARAMETER ESTIMATES

ZINC STATISTICS

CLIP GRID GEOCHEMISTRY

SUMMARY STATISTICS and HISTOGRAM — ARITHMETIC VALUES

Variable = Zn Unit = ppm N = 625

Mean =	88.858	Min =	13.000	1st Quartile =	60.000
Std. Dev. =	69.841	Max =	697.000	Median =	72.000
CV % =	78.603	Skewness =	4.609	3rd Quartile =	90.000

%	cum %	cls int	(# of bins = 36 - bin size = 19.543)
0.00	0.08	3.229	
0.48	0.56	22.771	*
4.96	5.51	42.314	**********
23.20	28.67	61.857	********** --> 55
37.76	66.37	81.400	********** --> 89
15.84	82.19	100.943	**********
5.60	87.78	120.486	**********
3.84	91.61	140.029	*********
2.56	94.17	159.571	******
0.48	94.65	179.114	*
0.80	95.45	198.657	**
0.48	95.93	218.200	*
0.16	96.09	237.743	
0.16	96.25	257.286	
0.48	96.73	276.829	*
0.64	97.36	296.371	**
0.16	97.52	315.914	
0.32	97.84	335.457	*
0.32	98.16	355.000	*
0.16	98.32	374.543	
0.00	98.32	394.086	
0.16	98.48	413.629	
0.48	98.96	433.171	*
0.00	98.96	452.714	
0.00	98.96	472.257	
0.32	99.28	491.800	*
0.32	99.60	511.343	*
0.00	99.60	530.886	
0.00	99.60	550.429	
0.00	99.60	569.971	
0.00	99.60	589.514	
0.00	99.60	609.057	
0.00	99.60	628.600	
0.00	99.60	648.143	
0.00	99.60	667.686	
0.16	99.76	687.229	
0.16	99.92	706.771	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

CLIP GRID GEOCHEMISTRY

SUMMARY STATISTICS and HISTOGRAM — LOGARITHMIC VALUES

Variable = Zn Unit = ppm N = 625

Mean =	1.8865	Min =	1.1139	1st Quartile =	1.7782
Std. Dev. =	0.2039	Max =	2.8432	Median =	1.8573
CV % =	10.8094	Skewness =	1.3747	3rd Quartile =	1.9542

Anti-Log Mean = 76.996 Anti-Log Std. Dev. : (-) 48.145
(+) 123.136

%	cum %	antilog	cls int	(# of bins = 36 - bin size = 0.0494)
0.00	0.08	12.281	1.0892	
0.16	0.24	13.761	1.1386	
0.00	0.24	15.419	1.1881	
0.00	0.24	17.277	1.2375	
0.00	0.24	19.359	1.2869	
0.32	0.56	21.691	1.3363	*
0.00	0.56	24.305	1.3857	
0.00	0.56	27.233	1.4351	
0.32	0.88	30.514	1.4845	*
0.96	1.84	34.191	1.5339	**
1.60	3.43	38.311	1.5833	****
2.08	5.51	42.927	1.6327	*****
3.68	9.19	48.099	1.6821	*********
5.28	14.46	53.895	1.7315	**********
13.28	27.72	60.389	1.7810	**********
11.84	39.54	67.665	1.8304	**********
16.96	56.47	75.818	1.8798	********** --> 40
13.12	69.57	84.953	1.9292	**********
8.32	77.88	95.189	1.9786	**********
6.72	84.58	106.659	2.0280	**********
2.88	87.46	119.510	2.0774	*******
3.68	91.13	133.910	2.1268	*********
1.92	93.05	150.045	2.1762	*****
1.12	94.17	168.124	2.2256	***
1.28	95.45	188.381	2.2750	***
0.48	95.93	211.079	2.3244	*
0.16	96.09	236.513	2.3739	
0.32	96.41	265.010	2.4233	*
0.96	97.36	296.941	2.4727	**
0.32	97.68	332.720	2.5221	*
0.64	98.32	372.810	2.5715	**
0.16	98.48	417.730	2.6209	
0.48	98.96	468.062	2.6703	*
0.64	99.60	524.460	2.7197	**
0.00	99.60	587.652	2.7691	
0.00	99.60	658.459	2.8185	
0.32	99.92	737.797	2.8679	*

0 1 2 3 4

CLIP GRID GEOCHEMISTRY

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = A:CLIPGC3.DAT

Variable = Zn Unit = ppm N = 625
N CI = 36

Transform = Logarithmic Number of Populations = 4

# of Missing Observations = 0.

0 Observations Were Below the Minimum Value of 10.0000
1 Observations Were Above the Maximum Value of 750.0000

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	44.138	-	35.042	15.00
		+	55.596	
2	71.059	-	60.571	65.00
		+	83.363	
3	122.153	-	102.313	15.00
		+	145.840	
4	314.786	-	216.619	5.00
		+	457.441	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	27.821	70.027
2	51.631	97.798
3	85.696	174.120
4	149.066	664.743

##

CLIP GRID GEOCHEMISTRY

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = A:CLIPGC3.DAT

Variable = Zn Unit = ppm N = 625
N CI = 36

Transform = Logarithmic Number of Populations = 4

# of Missing Observations = 0.

0 Observations Were Below the Minimum Value of 10.0000
1 Observations Were Above the Maximum Value of 750.0000

==========

Users Visual Parameter Estimates

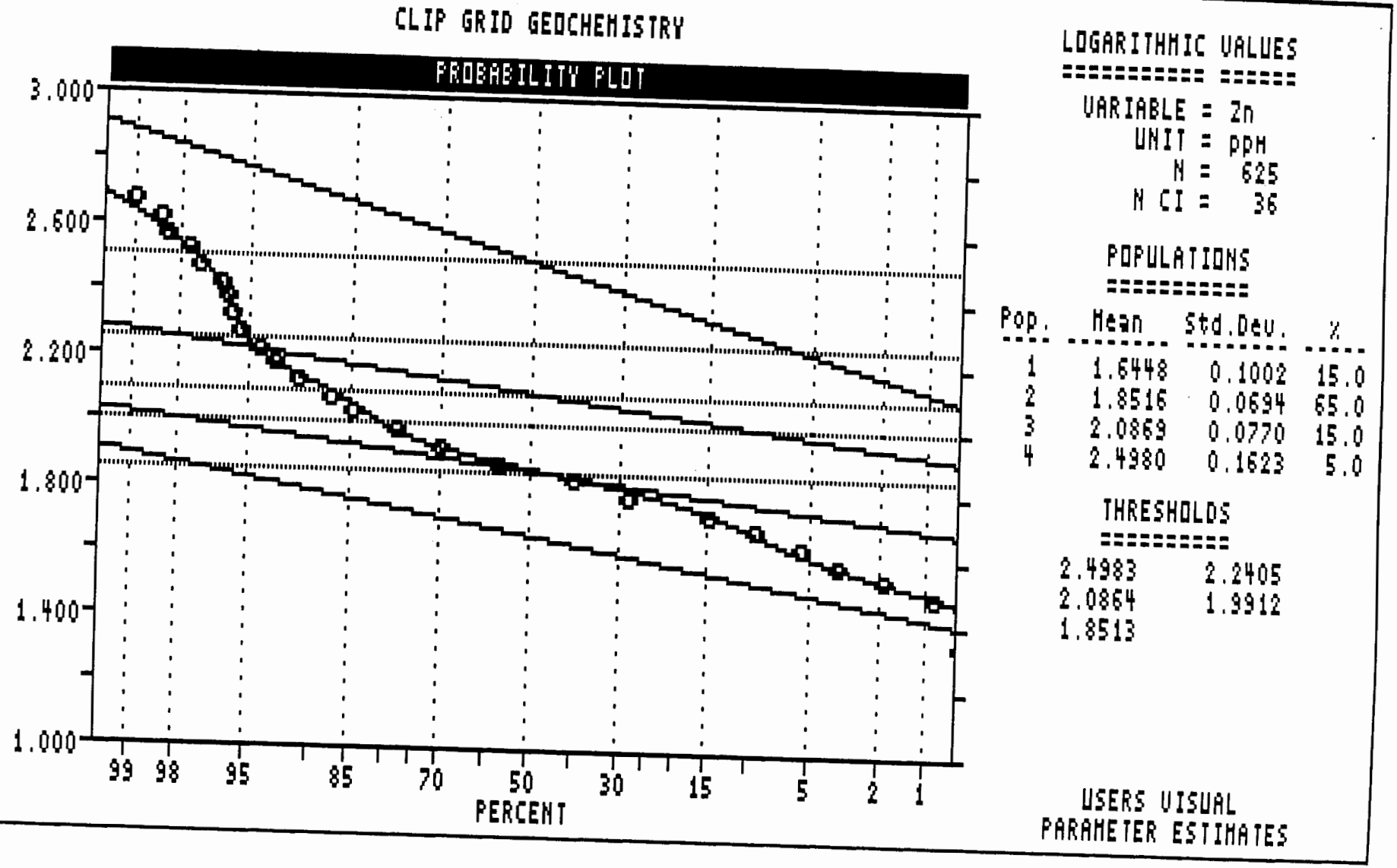
Population	Mean		Std Dev	Percentage
1	44.138	-	35.042	15.00
		+	55.596	
2	71.059	-	60.571	65.00
		+	83.363	
3	122.153	-	102.313	15.00
		+	145.840	
4	314.786	-	216.619	5.00
		+	457.441	

==========

User Defined Thresholds.

Thresholds
314.992
173.980
122.011
97.994
71.007

##


CLIP GRID GEOCHEMISTRY
PROBABILITY PLOT
3.000
2.600
2.200
1.800
1.400
1.000
99 98 95 85 70 50 30 15 5 2 1
PERCENT
LOGARITHMIC VALUES
VARIABLE = Zn
UNIT = ppm
N = 625
N CI = 36
POPULATIONS
Pop. Mean Std.Dev. %
1 1.6448 0.1002 15.0
2 1.8516 0.0694 65.0
3 2.0869 0.0770 15.0
4 2.4980 0.1623 5.0
THRESHOLDS
2.4983 2.2405
2.0864 1.9912
1.8513
USERS VISUAL
PARAMETER ESTIMATES

Appendix C

HAND TRENCH REPORTS

DATE: Aug. 1, 1995	PROJECT: YGC - CLIP
SAMPLED BY: U. Schmidt	
R. Beauchamp, R. Moran	

COORDINATES / LOCATION:
23+14N - 21+38E

TRENCH №: C 1

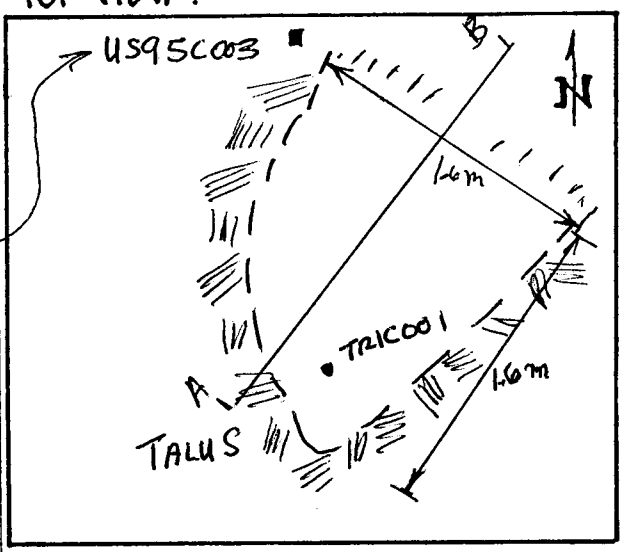
GENERAL DESCRIPTION:

HAND TRENCH IN TALUS ABOVE "B" ZONE

6 FRAGMENTS OF MINERALIZED TALUS WERE FOUND IN THIS TRENCH

33Cu, 22.288 Pb, 102 Zn, 27 Ag
12,096 Ba

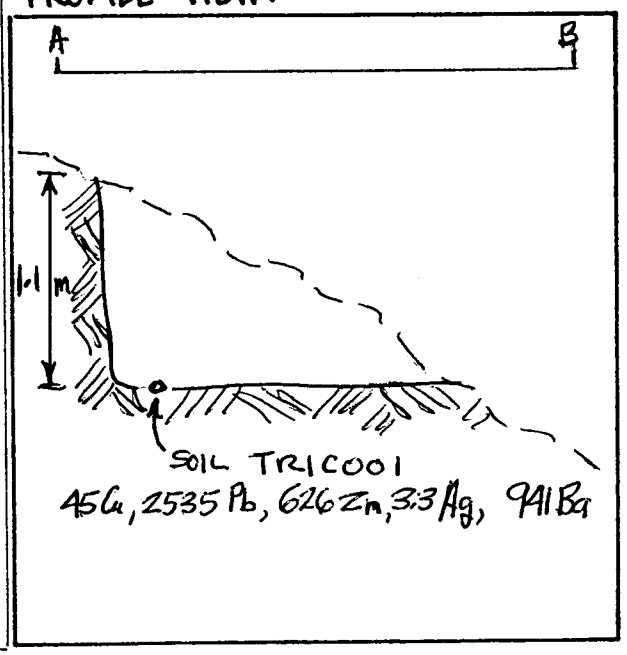
TOP VIEW:



DEPTH:

FROM:	TO:
0 cm	

PROFILE VIEW:



SAMPLE:

US95C003

TRIC001

BEDROCK DESCRIPTION:

NO BEDROCK

US95C003 MINERALIZED TALUS FRAGMENT, 1-2mm galena and sphalerite? in bands // to FOLIATION - BRIGHT TO LIGHT BROWN QUARTZITE, MINOR MUSCOVITE

DATE: AUG 1, 1995	PROJECT: YGC – CLIP
SAMPLED BY: U. SCHMIDT	
R. BEAUCHAMP, R. MORAN	

COORDINATES / LOCATION:
23+08N – 21+37E

TRENCH №: C-2

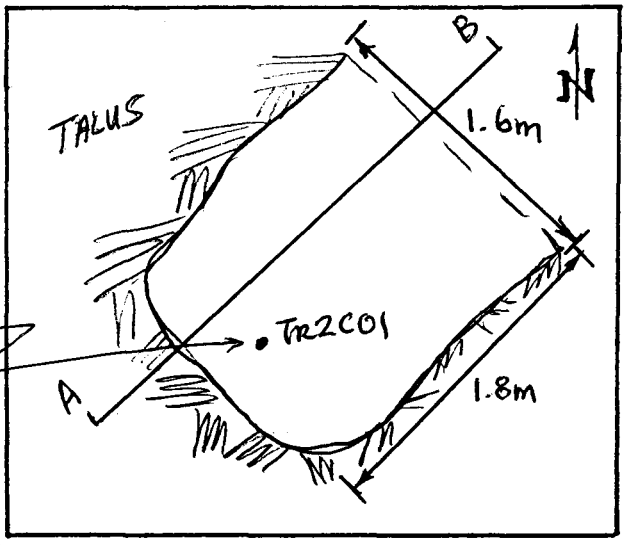
GENERAL DESCRIPTION:

HAND TRENCH IN TALUS UP SLOPE FROM "B" ZONE

NO MINERALIZATION FOUND

46Cu, 106Pb, 171Zn

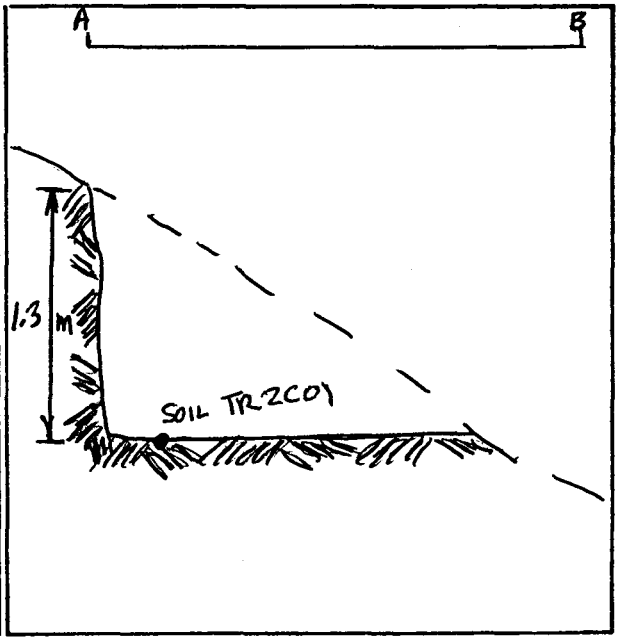
TOP VIEW:



DEPTH:

FROM:	TO:
0 cm	

PROFILE VIEW:



SAMPLE:

TR2C01

BEDROCK DESCRIPTION:

NO BEDROCK, NO MINERALIZED FRAGMENTS

- TR2C01 MEDIUM BROWN CLAY FOUND BETWEEN TALUS FRAGMENTS

DATE: Aug 1, 1995	PROJECT: YGC - CLIP
SAMPLED BY: U. Schmidt	
R. Beauchamp, R. Moran	

COORDINATES / LOCATION:
23+04N - 21+30E

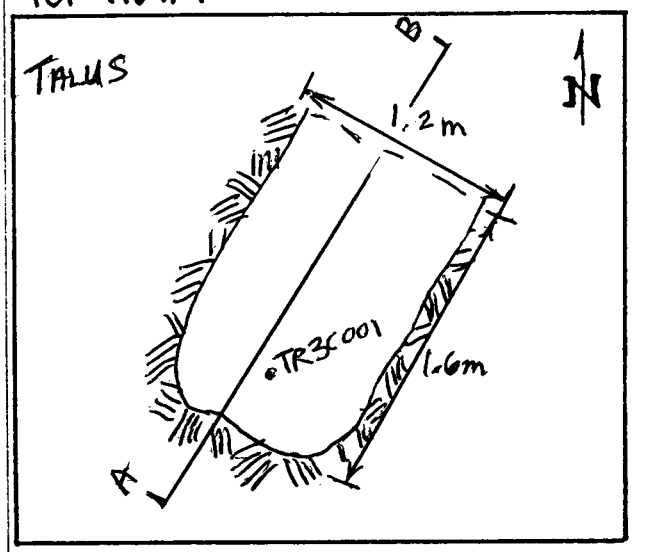
TRENCH Nº: C-3

GENERAL DESCRIPTION:
HAND TRENCH IN TALUS UP SLOPE FROM "B" ZONE
NO MINERALIZATION FOUND

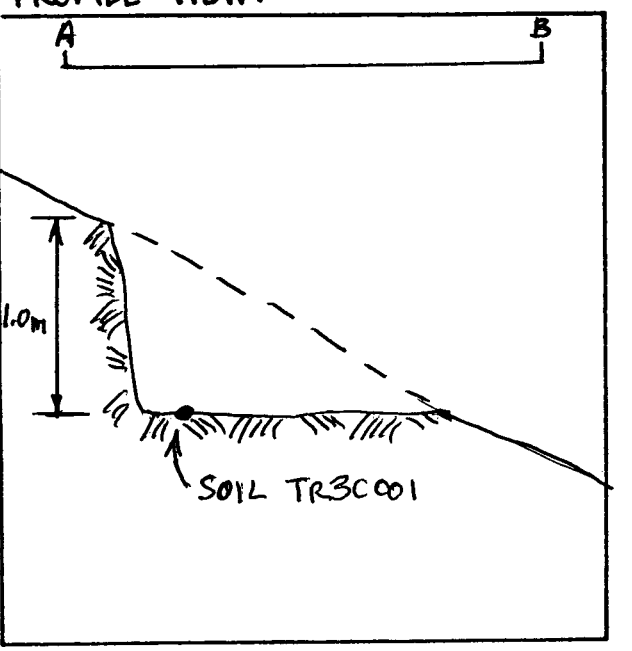
- SOIL TR3C001: MEDIUM BROWN CLAY TALUS FINES & SILT FOUND BETWEEN TALUS FRAGMENTS

30 Cu, 25 Pb, 466 Zn

TOP VIEW:



PROFILE VIEW:



DEPTH:

FROM:	TO:
0 cm	

SAMPLE:
TR3C001

BEDROCK DESCRIPTION:
NO BEDROCK

DATE: AUG1 1995	PROJECT: YGC - CLIP
SAMPLED BY: H. SCHMIOT	
R. BEAUCHAMP, R. MORAN	

COORDINATES / LOCATION: 22+85N - 21+53E	TRENCH Nº: C-4

GENERAL DESCRIPTION:

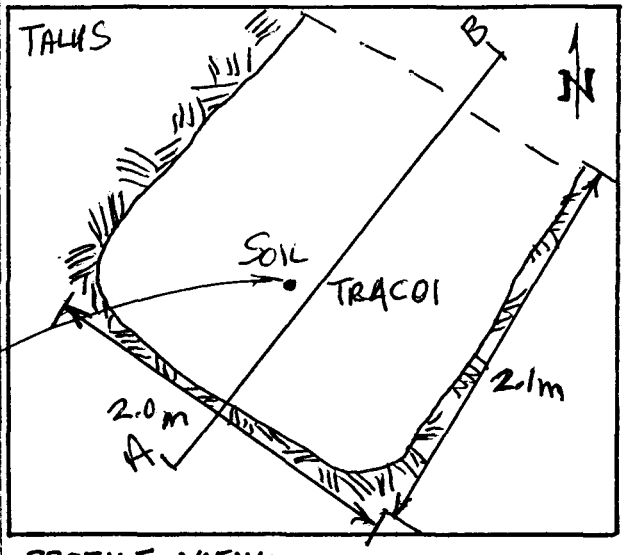
HAND TRENCH IN TALUS ABOVE "B" ZONE

NO MINERALIZATION FOUND

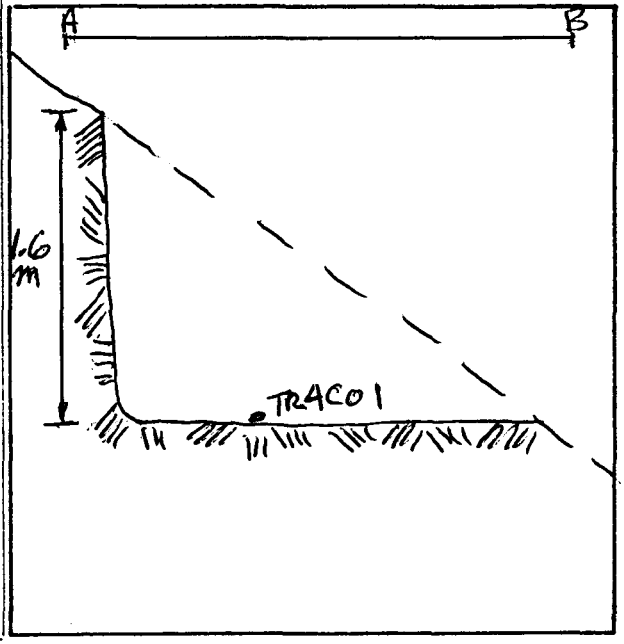
• TR4C01 - TALUS FINES AT BOTTOM OF TRENCH

38Cu 123Pb, 466Zn

TOP VIEW:



PROFILE VIEW:



DEPTH:

FROM:	TO:	SAMPLE:
		TR4C01
0 cm		

BEDROCK DESCRIPTION:

NO BEDROCK, TALUS FRAGMENTS OF MED. TO DARK GREY SILICICLASTICS

Appendix D

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Uwe Schmidt, of 656 Foresthill Place, Port Moody, B.C. do hereby declare:

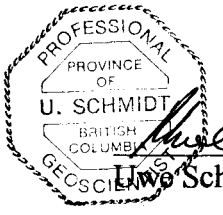
(1) I am a consulting geologist and controlling shareholder of Northwest Geological Consulting Ltd.

(2) I am a 1971 graduate of the University of British Columbia with a B.Sc. degree in Geology.

(3) I am a member of The Association of Professional Engineers and Geoscientists of British Columbia and a Fellow of the Geological Association of Canada.

(4) I have practised my profession continuously since graduation.

(5) This report is based on work carried out by me or by workers under my supervision.



Uwe Schmidt, P. Geo.

March 26, 1996
Vancouver, B.C.

7,124,000m N

7,123,000m N

7,122,000m N

7,121,000m N

538,000m E

539,000m E

540,000m E

537,000m E

14+50 E
15+50 E
17+50 E
19+50 E
21+50 E
23+50 E
25+50 E
27+50 E
29+50 E
31+50 E

30+50 N
28+50 N
26+50 N
24+50 N
22+50 N
20+50 N
18+50 N
16+50 N
14+50 N
12+50 N
10+50 N
8+50 N
6+50 N
4+50 N

N

Symbols

— CLAIM BOUNDARY

⊙ PRE 1995 SOIL SAMPLE LOCATION

1995 SOIL SAMPLE LOCATION

⊙ 19 Cu in ppm
13 Pb in ppm
61 Zn in ppm

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
U. SCHMIDT
26 26 96

093459

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Work By	U. SCHMIDT
Date Drafted	01-18-96
Drafted By	
Date Revised	01-18-96
Revised By	
N.T.S. Number	116C/1
File Name	CLI95DAT

YGC OPTION
Clip Property DWG (4)
1995 SOIL GEOCHEMISTRY

Created by Northwest Geological Consulting Ltd.

100 0 100 200 300

SCALE 1 : 5000

Figure 3

7,124,000m N

7,123,000m N

7,122,000m N

7,121,000m N

500,000m E

501,000m E

14+50 E
15+50 E
17+50 E
19+50 E
21+50 E
23+50 E
25+50 E
27+50 E
29+50 E
31+50 E

30+50 N
28+50 N
26+50 N
24+50 N
22+50 N
20+50 N
18+50 N
16+50 N
14+50 N
12+50 N
10+50 N
8+50 N
6+50 N
4+50 N

3700
3600
3500
3400
3300
3200
3100
3000
2900
2800
2700

N

Symbols

- SOIL SAMPLE LOCATION
- CLAIM BOUNDARY
- ANOMALY OUTLINE

Analytical Thresholds

CU Values in ppm

<1 –	26
27 –	36
37 –	46
47 –	53
54 –	60
61 >>>>>>>	

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
U. SCHMIDT
GEOSCIENTIST
Mar. 22, 96

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Date Drafted	01–18–96
Drafted By	
Date Revised	01–18–96
Revised By	
N.T.S. Number	116C/1
File Name	CLIFINAL

YGC OPTION 093456

Clip Property Dwg 3

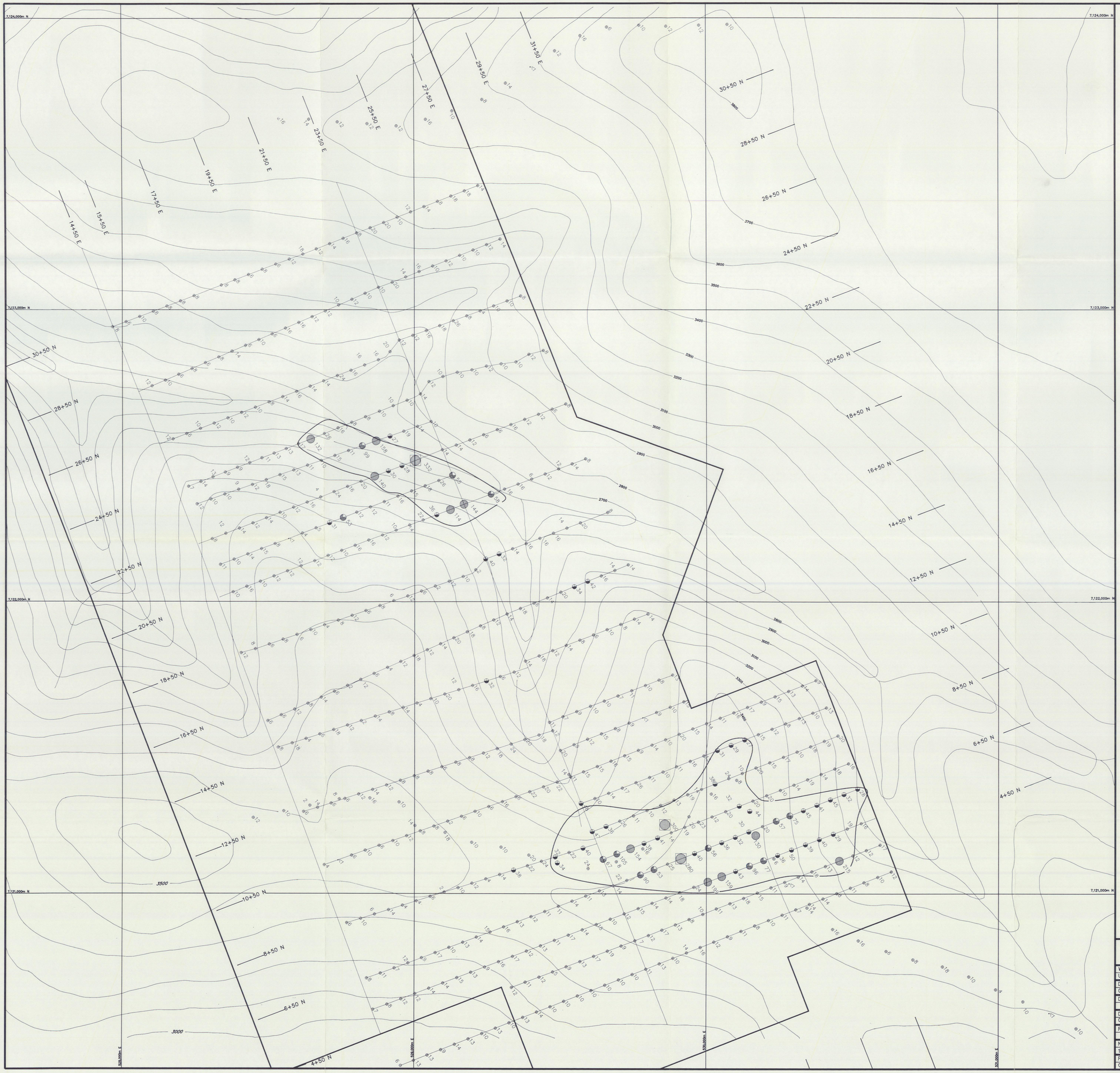
Cu Soil Interpretation

Northwest Geological Consulting Ltd.

100 0 100 200 300

SCALE 1 : 5000

Figure 4



093459
09345

Symbols

- SOIL SAMPLE LOCATION
- CLAIM BOUNDARY
- ANOMALY OUTLINE

Analytical Thresholds

PB Values in ppm

not used	
1 –	26
27 –	51
52 –	111
112 –	245
246 >>>>>>>	

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
U. SCHMIDT
01-18-96

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Work By	U. SCHMIDT
Date Drafted	01-18-96
Drafted By	
Date Revised	01-18-96
Revised By	
N.T.S. Number	116C/1
File Name	CLIFINAL

YGC OPTION
Clip Property DWG(1)
Pb Soil Interpretation

Northwest Geological Consulting Ltd.

100 0 100 200 300

SCALE 1 : 5000

Figure 5

093459

Symbols

- SOIL SAMPLE LOCATION
- CLAIM BOUNDARY
- ANOMALY OUTLINE

Analytical Thresholds

ZN Values in ppm

<1 –	71
72 –	98
99 –	122
123 –	174
175 –	315
316 >>>>>>>	

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA U. SCHMIDT GEOSCIENTIST

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Drafted By	
Date Revised	01-18-96
Revised By	
N.T.S. Number	116C/1
File Name	CLIFINAL

YGC OPTION

Clip Property DWG(2)

Zn Soil Interpretation

Northwest Geological Consulting Ltd.

100 0 100 200 300

SCALE 1 : 5000

Figure 6