FOX GEOLOGICAL CONSULTANTS LTD.

GEOCHEMICAL ASSESSMENT REPORT

on the

WHITE 1 CLAIM

OMINECA MINING DIVISION
NTS 093E/10
53°37' North Latitude
126°46' 30" West Longitude

by

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for

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Suite 912-120 Adelaide Street West
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January 27, 1995

Project No. 235

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SUMMARY

The White 1 claim is located at the northern end of Whitesail Lake (Nechako Reservoir) on the Interior Plateau of central British Columbia, approximately 95 kilometres southwest of Burns Lake. Access is by helicopter from Burns Lake.

White 1 was staked in response to research in the Whitesail Lake area. During 1994, an exploration program consisting of prospecting and geochemical sampling was conducted over the 20 unit claim area. A total of 353 soil samples, 15 rock and 3 silt samples was collected from 19.35 kilometres of gridline.

Regional geologic mapping indicates that the White claim is underlain predominantly by upper Cretaceous to Tertiary Ootsa Lake Group volcanics with local slivers of middle to lower Jurassic Hazelton Group volcanics and fossiliferous sediments. Volcanics and sediments are intruded by a small dioritic pluton in the southwest corner of the claim.

Previous exploration in the claim area by Canamax Resources Inc. in 1983 resulted in the discovery of numerous quartz-calcite veins mineralized with pyrite and arsenopyrite. Canamax intersected a 4 metre wide vein containing 0.09 opt Au over 3.9 metres in drill core.

The 1994 geochemical sampling program outlined an area of elevated and anomalous arsenic in soil which extends northeasterly from the vicinity of the Canamax showing. A second zone of elevated arsenic occurs along the western claim boundary. Sporadic elevated and anomalous gold in soil occurs along the high arsenic trends. Rock samples from the showing contained highly anomalous arsenic with up to 4660 ppb gold. A rock sample from the northeastern corner of the claim contained 1550 ppb gold.

INTRODUCTION

This report describes a geochemical sampling program that was conducted on the property by a three person field crew during the period July 29 to August 6, 1994. A total of twenty-seven man-days was spent prospecting and collecting rock and soil samples.

LOCATION and ACCESS

White 1 is situated at the northern end of Whitesail Lake (Nechako Reservoir) on the Interior Plateau of central British Columbia, approximately 330 kilometres west of Prince George and 95 kilometres southwest of the community of Burns Lake. The property is located in the Omineca Mining Division and shown on NTS mapsheet 093E/10.

There are no roads accessing the property, requiring the use of a helicopter from Burns Lake. Property location is shown in Figure 1.

PROPERTY STATUS

The White claim was staked on February 2, 1994. The claim lieS within NTS mapsheet 093E/10 in the Omineca Mining Division and covers B.C. Geological Survey Branch Mineral Occurrence number 093E057. Claim information is outlined below.

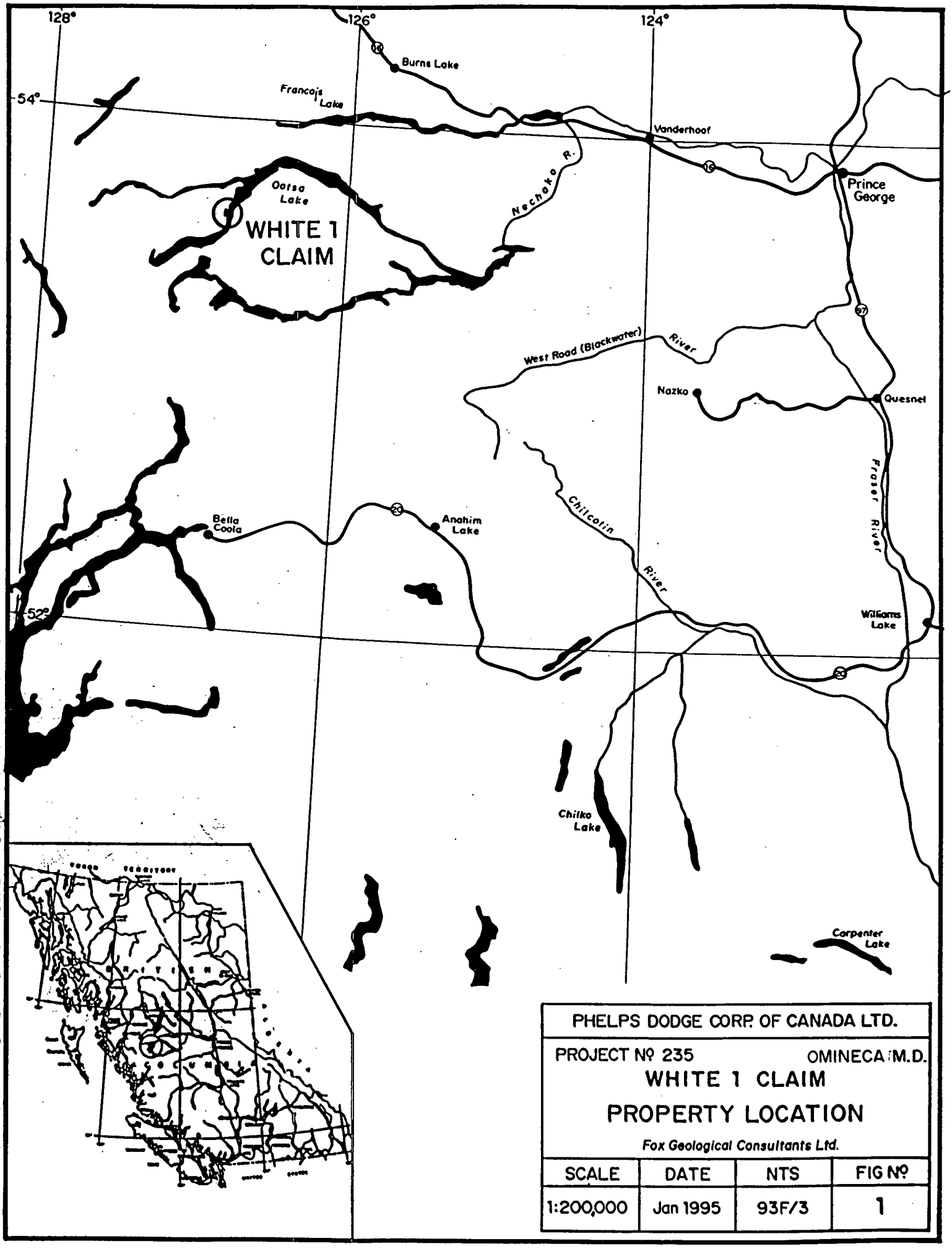
Table 1

Claim Name	Tenure Number	Expiry Date	Units
White 1	323454	February 2, 1997	20

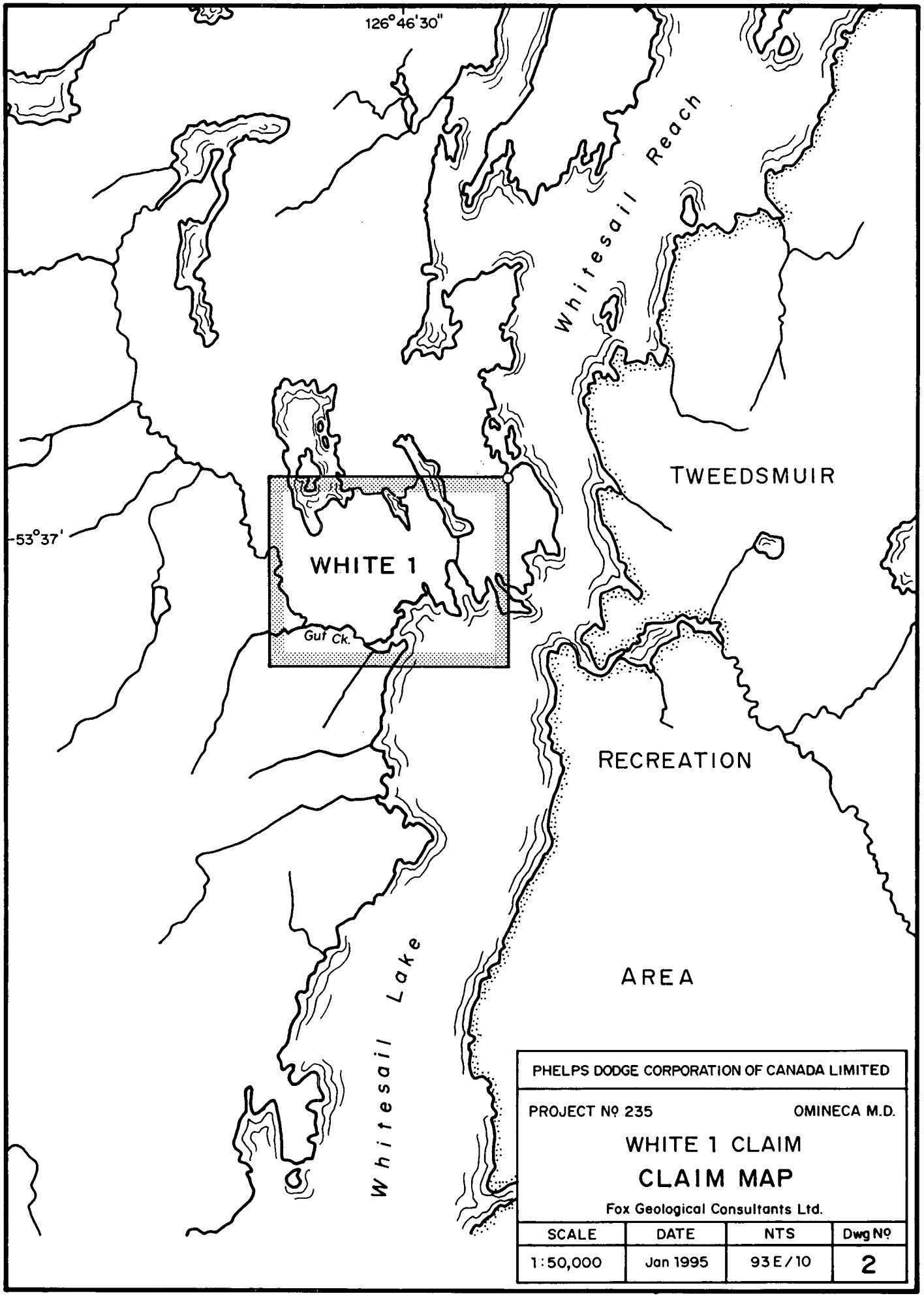
The property encroaches on the waters of Whitesail Lake which cover approximately one-fifth of the claim area in the southeastern corner of the claim. A claim map is presented as Figure 2.

PHYSIOGRAPHY

The White 1 claim is situated on the Nechako Plateau, in the foothills of the Whitesail Range. The property lies at the northern end of Whitesail Lake, along its western shore and encompasses a small knoll sandwiched between two north-northwesterly trending lakes and the waters of Whitesail Lake. Topographic gradient is gentle to moderate with elevations ranging from approximately 985 metres near the centre of the claim to below 860 metres at lakeside in the southeastern corner of the claim.



PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT Nº 235		OMINECA M.D.	
WHITE 1 CLAIM			
PROPERTY LOCATION			
Fox Geological Consultants Ltd.			
SCALE	DATE	NTS	FIG Nº
1:200,000	Jan 1995	93F/3	1



PHELPS DODGE CORPORATION OF CANADA LIMITED			
PROJECT Nº 235		OMINECA M.D.	
WHITE 1 CLAIM			
CLAIM MAP			
Fox Geological Consultants Ltd.			
SCALE	DATE	NTS	Dwg Nº
1:50,000	Jan 1995	93E/10	2

Thick till and alluvium cover the claims and outcrop is limited to hilltops, creek beds and locally along the shore of Whitesail Lake.

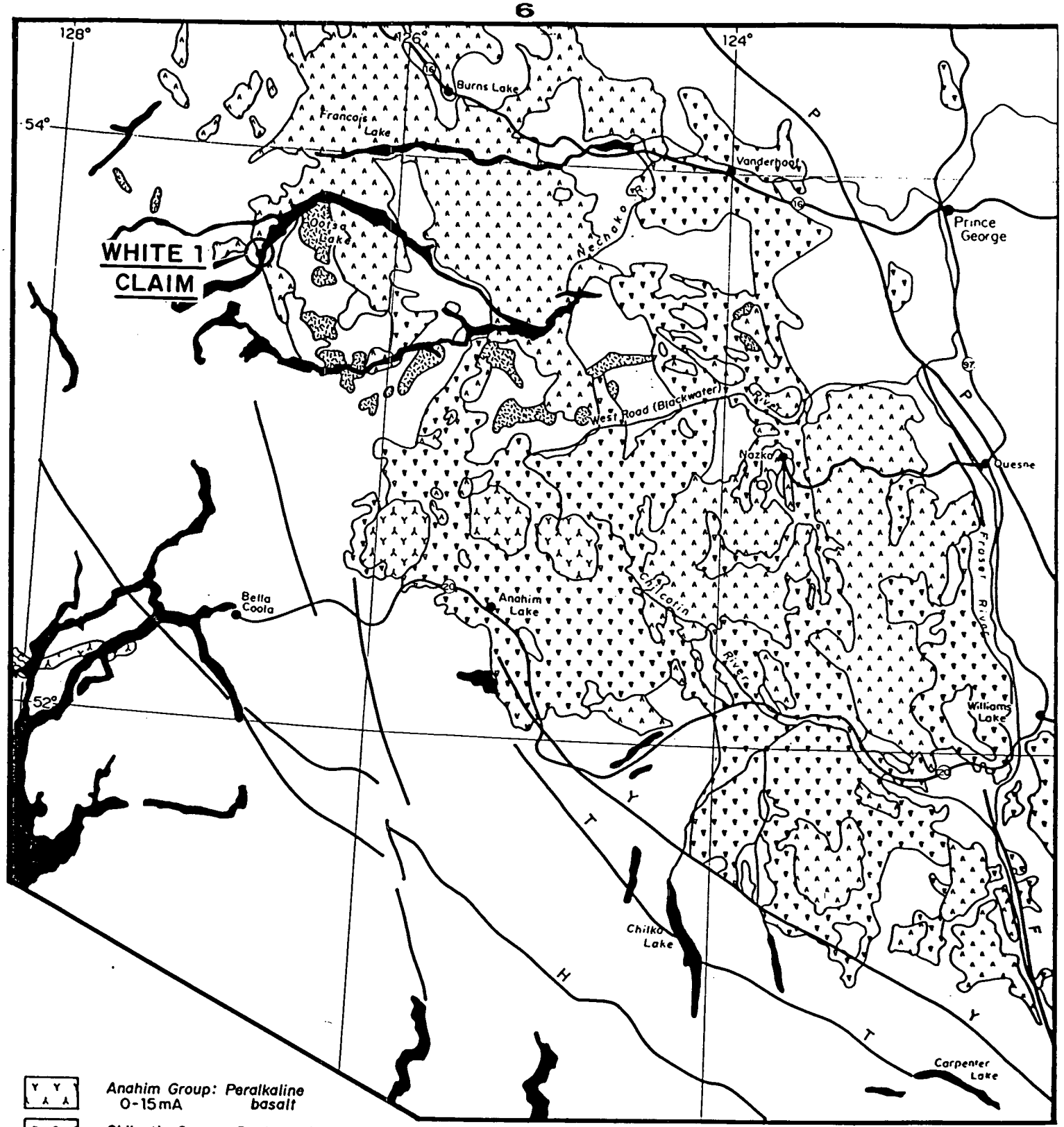
HISTORY

The only known exploration in the White 1 claim area was conducted during 1983 by Canamax Resources Inc. on their Caldera property. Canamax drilled a total of 1597 metres in 13 diamond drill holes. All holes were drill to test the down dip extension of a 350 x 130 metre area, located near the mouth of Gut Creek, which contains Au-As bearing quartz veins cutting Hazelton volcanics and diorite. Drilling confirmed the presence of numerous, widespaced, auriferous quartz veins, most less than 1 metre wide. Their best intersection cut a 4 metre wide vein containing 0.09 opt Au over 3.9 metres.

REGIONAL GEOLOGY

The White property is centrally located in the Interior Plateau of British Columbia, within the Intermontaine Belt. Regionally, the Intermontaine Belt consists of Stikinia, Cache Creek and Quesnellia Terranes, composed of late Palaeozoic to mid-Mesozoic marine volcanic and sedimentary rocks and mid-Mesozoic to late Tertiary marine and non-marine sedimentary and volcanic rocks. The Yalakom and Fraser Fault systems bound the plateau to the northeast and southwest. A third fault has been inferred from oil exploration data to bisect the plateau. The Anahim Volcanic Belt, which crosses the plateau in an east-west direction, is composed of a series of alkaline and peralkaline volcanoes of Miocene to Quaternary age which become younger from west to east.

Within the Whitesail Lake area, lower and middle Jurassic Hazelton Group is the dominant lithology, with Telkwa Formation volcanics and Smithers Formation sediments predominating over Whitesail Formation and Red Tuff Member volcanics. A number of Cretaceous and Tertiary volcanic sequences locally overlie Hazelton Group rocks, with Kasalka, Ootsa Lake and Endako Groups most common. A number of Mesozoic and Tertiary plutons intrude the above units.



Anahim Group: Peralkaline basalt 0-15mA

Chilcotin Group: Backarc alkaline/tholeiite basalt 2-10mA

Nanika, Quanchus Intrusives: Quartz monzonite, granite 60mA

Ootsa Group: Calc-alkaline felsic volcanics 35-70mA

Pre-Tertiary rocks and Coast Intrusions

Fault — H - Harrison, T - Tchaikazan, Y - Yalakom, F - Fraser, P - Pinchi

PHELPS DODGE CORP. OF CANADA LTD.

PROJECT Nº 235 OMINECA M.D.

WHITE 1 CLAIM

REGIONAL GEOLOGY

Fox Geological Consultants Ltd.

SCALE	DATE	NTS	FIG Nº
1:200,000	Jan 1995	93F/3	3

PROPERTY GEOLOGY

Mapping by the B.C. Geological Survey Branch in 1986 indicates that the White 1 claim is underlain primarily by upper Cretaceous and Tertiary Ootsa Lake Group volcanics. A northwesterly trending belt of pink to mauve rhyolite flows and autoclastic breccia underlies the northeasterly quarter of the claim while a wedge of the same lithology extends from the southeastern corner of the claim, pinching out in the west-central claim area. A belt of green to maroon, thickly bedded basalt porphyry flows and interflow breccias trends through the central claim area.

Slivers of middle to lower Jurassic Hazelton Group, Telkwa and Smithers Formations underlie small portions of the claim in the southwest. Telkwa and Smithers Formation lithologies include rhyolite, dacite, and possible andesite, flows and pyroclastics and predominantly coarse-grained, fossiliferous sediments.

Ootsa and Hazelton Group rocks are intruded in the southwestern corner of the claim by the northern edge of a small dioritic pluton.

Mineralization is consists of gray to white auriferous quartz-calcite veins containing variable amounts of pyrite and arsenopyrite . Sulphides are usually localized along vein margins but may be disseminated through the gray quartz veins. Later light green chalcedony veins cut the quartz-calcite veins and may contain disseminated pyrite. Younger calcite or iron carbonate veins are barren. The veins were thought to be related to a prominent low angle westerly trending fault which outcrops immediately north of Gut Creek in the mineralized area.

1994 WORK PROGRAM

During the period from July 29 to August 6, a three-man crew conducted a geochemical exploration program over the White 1 claim. A total of 19.35 kilometres of grid was established, consisting of 10 east-west trending lines spaced 200 kilometres apart (totalling 17.55 kilometres), and a 1.8 kilometre baseline. Gridlines were instituted using compass and hip-chain; stations are marked with flagging tape. Prospecting and rock sampling were conducted concurrently with soil sampling.

A total of 353 soil samples were collected along gridlines, at 50 metre intervals. All soil samples were collected from the B-horizon where possible; sample colour, content and topography were noted for each sample. Fifteen rock and three silt samples were also collected from the grid area. Sample locations are shown in Figure 4 of this report. Rock sample descriptions comprise Appendix 1.

All samples were submitted to Acme Analytical Laboratories in Vancouver, B.C. for

All samples were submitted to Acme Analytical Laboratories in Vancouver, B.C. for analysis. Rocks were crushed, split and pulverized to -100 mesh and soil samples were screened to -80 mesh. All samples were analyzed for 30 elements by ICP techniques and for gold by geochemical AA methods. Rock and silt samples were also analyzed for mercury by cold vapour AA. Analytical procedures comprise Appendix 2, analytical certificates are presented in Appendix 3.

RESULTS

Soil geochemical results are summarized below.

Table 2

ELEMENT	GEOCHEMICAL SAMPLE RANGE	ELEVATED THRESHOLD	ANOMALOUS THRESHOLD
Gold	1.0 to 60 ppb	20 ppb	50 ppb
Silver	0.1 to 1.2 ppm	1.0 ppm	
Arsenic	2 to 651 ppm	20 ppm	50 ppm
Antimony	2 to 8 ppm	5 ppm	

Arsenic concentrations on the White 1 claim are elevated to anomalous in a discontinuous northeasterly trending belt that runs from the southwestern claim area, over the area of the known showing, to the central portion of the northern claim line. Arsenic levels are also elevated (20 to 49 ppm) along the western edge of the claim on line 106+00N with isolated anomalous samples in the same area on lines 102+00N and 110+00N. The only elevated antimony sample (8 ppm) was collected from the vicinity of the showing. Arsenic and antimony geochemistry is plotted in Figure 7.

Only one soil sample contained anomalous gold at 60 ppb. This sample, which also contained the highest arsenic and antimony concentrations (651 and 8 ppm respectively), was collected on Line 100+00N at 99+00E, in the area of known mineralization. Five samples contained elevated gold concentrations (20-50 ppb) but no other elements of interest. The sample sites, however, do align with other anomalous elements in a northeasterly direction, along what appears to be the dominant trend of mineralization.

Two samples with elevated silver concentrations (1.1 and 1.2 ppm) lie on the edge of arsenic anomalous zones, but along the same trend. Gold and silver geochemistry is plotted in Figure 6.

Rock sample analyses returned anomalous levels from six of the 15 rock samples collected. Five of the anomalous samples were collected from the Gut showing and were also highly anomalous in arsenic (1761 to 8709 ppm) and antimony (14 to 196 ppm). The sixth anomalous sample, collected from the northeastern area of the property, returned 1550 ppb gold with low arsenic and antimony levels.

One of the three silt samples collected contained 63 ppb gold. This sample was collected from Gut Creek, upstream of the known showing.

CONCLUSIONS

The 1994 geochemical program on the White 1 claim confirmed the geochemical signature of the known mineralization and indicates a possible extension in a northeasterly direction. A rock sample collected in the northeast corner of the claim had a different elemental signature than that seen at the Gut showing.

Silt sampling upstream of the Gut showing returned anomalous concentrations of gold, indicating a possible second showing upstream.

RECOMMENDATIONS

A program of detailed geological mapping and rock sampling, followed by hand trenching is recommended on the White 1 claim.

DISBURSEMENTS

Disbursements for the 1994 work program conducted on the White 1 claim are tabulated below:

Accommodation and Board		
27 man days X $50.00/day		$ 1,350.00
Laboratory		
353 soil samples X $11.50		4,060.00
15 rock samples X $15.00		225.00
Labour		
Rick Roe, prospector:	9 days X $225.00	2,025.00
Don Gagnon, sampler:	9 days X $225.00	2,025.00
John Irish, sampler:	9 days X $225.00	2,025.00
Charter Helicopter		
4.6 hours X $750.00/hour		3,450.00
Project Total		**$15,160.00**

Prepared by:

FOX GEOLOGICAL CONSULTANTS LTD.

Peter E. Fox, Ph.D., P.Eng.
January 27, 1995

REPORT DISTRIBUTION:

Phelps Dodge, Toronto Land File	1
Phelps Dodge, Vancouver	2
B.C. Mining Recorder	2

CERTIFICATE

I, Peter Edward Fox, certify to the following:

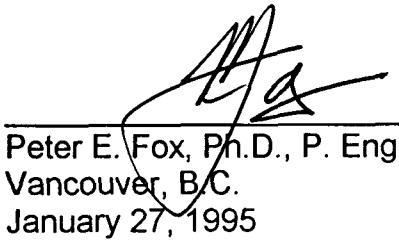
1. I am a consulting geologist residing at #902 - 2077 Nelson Street, Vancouver, B.C.

2. I am a Professional Engineer registered in the Association of Professional Engineers and Geoscientists of British Columbia.

3. My academic qualifications are:

   B.Sc. and M.Sc., Queens University, Kingston, Ontario
   Ph.D., Carleton University, Ottawa, Ontario

4. I have been engaged in geological work since graduation in 1966.



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Vancouver, B.C.
January 27, 1995

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"Geology of Whitesail Reach and Troitsa Lake Areas"; British Columbia Geological survey Open File Map 1987/4; 1986.

Goad, B. and Harris, F.
"1983 Diamond Drilling Assessment Report"; Assessment Report Number 12319 for Canamax Resources, Inc.; May 10, 1984.

APPENDIX 1

ROCK SAMPLE DESCRIPTIONS

Table 3

Sample Number	Sample Type	Grid Coordinate	Description
41791	grab bedrock	9975N 10050E	Altered, fine-grained gray volcanics are silica flooded and clay-altered with quartz veins and pyrite throughout
41792	grab bedrock	9970N 10050E	Intermediate volcanics contain quartz veins ringed with galena. Some pyrite disseminated throughout.
41793	grab bedrock	9970N 10075E	Fine-grained, gray intermediate volcanic with some clay-alteration and disseminated pyrite throughout. Minor quartz and silica.
41794	grab float	9970N 10075E	Outcrop float. Rhyolite breccia?
41798	grab bedrock	9920N 10365E	Gossan. Orange-stained with disseminated pyrite throughout and some quartz veining.
41799	grab float	11600N 11450E	Outcrop rubble. Rusty altered rhyolite is quartz and silica flooded. Possible breccia. Vuggy quartz.
41800	grab float	11000N 11500E	Outcrop rubble. Rusty tuff with disseminated pyrite throughout.
42391	grab bedrock	10520N 11575E	Altered rhyolite tuff from hydrothermal alteration zone contains silica, clay and rusty pyrite. Possible breccia.
42392	grab bedrock	10630N 11545E	Altered rhyolite tuff from hydrothermal alteration zone is silica flooded, contains clay and rusty pyrite. Possible breccia.

42393	grab bedrock	10500N 11000E	Altered, silica flooded with pyrite and chalcedony or quartz eyes. From hydrothermal alteration zone.
42394	grab float	10300N 10600E	Bedrock rubble. White and orange banded tuff with manganese and limonite staining on fractures. From hydrothermal alteration zone.
42395	grab float	unknown	Bedrock rubble. White siliceous tuff with pyrite cubes throughout. From hydrothermal alteration zone.
42397	grab float	10025N 10000E	Altered, fine-grained gray volcanic with quartz vein and fine pyrite disseminated throughout.
42398	grab bedrock	10056N 10000E	Rusty, black altered andesite(?).
42399	grab bedrock	10058N 10000E	Altered rhyolite tuff? from massive pyritic zone 30 cm thick.

APPENDIX 2

ANALYTICAL PROCEDURES

ICP: a 0.500 gram sample is digested with 3 ml 3-1-2 HCl-HNO_3-H_2O at 90° C for one hour and is diluted to 10 ml with water. This leach is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al.

Au Analysis: by acid leach/AA from a 10 gram sample.

Hg Analysis: by flameless AA.

APPENDIX 3

GEOCHEMICAL ANALYSES

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 192 File # 94-2449

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Rick Roe

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
41791	2	21	5	26	.4	4	3	46	2.29	5567	<5	<2	<2	19	<.2	28	<2	5	.10	.023	<2	4	.02	69	<.01	2	.38	.01	.15	<1	710	45
41792	2	20	<2	50	.5	13	11	371	4.38	7857	<5	5	<2	18	<.2	196	<2	64	.15	.046	2	12	.34	69	<.01	2	.42	<.01	.09	<1	4660	30
RE 41792	2	20	4	49	.4	12	11	374	4.29	7811	<5	4	<2	18	<.2	194	<2	63	.15	.045	2	11	.34	68	<.01	2	.41	<.01	.09	<1	4450	25
41793	5	13	3	16	.8	8	3	51	2.01	8709	<5	5	<2	5	<.2	126	2	10	.01	.007	<2	6	.01	36	<.01	<2	.24	<.01	.07	<1	4390	15
41794	3	15	2	35	.3	10	9	349	2.50	1761	5	<2	<2	15	<.2	27	<2	39	.20	.016	2	8	.17	63	<.01	<2	.30	<.01	.07	1	490	50
41798	<1	47	<2	66	.1	14	18	1064	6.17	44	<5	<2	<2	108	<.2	<2	3	120	5.01	.114	14	9	1.16	198	<.01	<2	.83	.03	.11	<1	30	40
41799	48	3	23	11	.4	4	<1	52	.69	40	<5	<2	<2	10	<.2	4	<2	<2	.06	.017	10	4	.01	89	<.01	<2	.22	<.01	.17	1	1550	80
41800	2	2	16	44	<.1	2	<1	537	1.92	15	<5	<2	<2	11	<.2	4	4	<2	.12	.064	10	2	.13	120	.01	2	.81	.03	.25	1	12	35
42053	2	4	15	69	<.1	4	2	322	1.17	3	<5	<2	4	5	<.2	3	2	5	.06	.018	19	5	.07	66	.01	2	.48	.03	.16	<1	4	10
42054	2	3	2	25	.1	6	1	237	1.12	6	<5	<2	4	4	<.2	2	<2	5	.03	.016	16	7	.05	46	<.01	2	.38	.02	.15	1	3	10
42055	2	3	2	14	.1	6	1	137	1.02	69	<5	<2	3	3	<.2	2	<2	6	.02	.021	18	6	.02	35	<.01	2	.54	.01	.14	<1	4	10
42056	1	2	2	21	.1	3	1	186	1.35	7	<5	<2	3	2	<.2	3	<2	7	.01	.016	19	3	.10	21	<.01	2	.45	.02	.11	1	2	<5
42057	2	1	2	19	.1	3	2	270	1.47	83	<5	<2	5	2	<.2	2	<2	6	.01	.021	28	3	.03	25	<.01	2	.48	.01	.13	1	1	25
42058	2	4	3	24	.1	4	4	770	3.18	4	<5	<2	<2	9	<.2	<2	3	37	.34	.139	11	3	.57	28	.01	2	.96	.04	.07	<1	2	20
42059	1	19	6	41	.1	5	6	286	3.10	207	<5	<2	<2	7	<.2	5	<2	27	.07	.031	7	6	.04	32	<.01	2	.57	<.01	.08	<1	3	785
42060	<1	12	<2	54	.1	12	16	819	4.97	24	<5	<2	<2	19	<.2	<2	<2	153	2.84	.068	9	8	2.22	28	.21	14	2.09	.04	.02	<1	7	5
42061	1	46	5	69	.1	19	12	851	3.95	7	<5	<2	2	48	<.2	<2	<2	106	1.76	.094	14	17	1.78	52	.26	3	2.04	.07	.08	<1	2	5
42062	2	10	4	20	.1	8	9	232	.97	20	<5	<2	<2	9	<.2	3	2	15	.11	.040	5	6	.01	39	<.01	2	.28	.05	.04	1	5	35
42063	1	9	<2	36	<.1	3	<1	272	2.91	744	<5	<2	<2	33	<.2	6	<2	20	.05	.018	5	4	.02	244	<.01	3	.29	<.01	.10	<1	2	190
42064	2	16	3	36	.2	14	5	351	2.04	8	<5	<2	14	20	<.2	<2	2	42	.48	.065	20	8	.55	64	.16	<2	.76	.05	.21	<1	1	10
42065	<1	29	2	37	<.1	11	11	600	4.15	3	<5	<2	<2	127	<.2	<2	<2	137	2.81	.080	8	7	1.26	35	.17	14	2.91	.08	.13	<1	1	<5
42066	1	8	2	11	<.1	7	4	225	3.04	145	<5	<2	<2	7	<.2	3	<2	23	.10	.034	5	5	.07	79	<.01	5	.66	<.01	.15	<1	2	125
42391	1	2	15	11	.1	2	<1	32	.49	9	<5	<2	6	4	<.2	<2	<2	<2	.04	.011	41	2	.02	52	<.01	<2	.46	<.01	.21	<1	1	45
42392	3	3	8	18	.2	3	<1	53	.32	5	<5	<2	3	6	<.2	2	<2	2	.03	.008	31	3	.02	88	<.01	2	.35	<.01	.22	1	4	45
42393	18	22	14	61	<.1	148	89	1298	10.34	67	<5	<2	2	43	<.2	<2	<2	112	.26	.110	12	8	.83	358	<.01	<2	3.02	.03	.11	<1	5	890
42394	2	2	10	25	.1	4	1	167	.52	36	<5	<2	7	5	<.2	2	<2	<2	.05	.018	45	4	.03	51	<.01	2	.42	.04	.19	1	2	10
42395	1	2	8	31	<.1	1	<1	518	.37	<2	<5	<2	7	6	<.2	<2	3	<2	.08	.016	43	2	.08	96	.01	2	.53	.04	.28	<1	2	10
42397	6	16	4	15	.4	7	3	149	1.00	1993	<5	<2	<2	9	<.2	14	<2	8	.11	.015	2	8	.06	76	<.01	<2	.29	<.01	.11	2	1120	10
42398	1	10	5	56	<.1	11	10	721	2.72	26	<5	<2	<2	89	<.2	<2	2	26	2.25	.021	3	4	1.23	91	<.01	<2	2.50	.01	.15	<1	11	<5
42399	4	60	6	67	<.1	14	8	756	12.79	37	<5	<2	<2	25	<.2	<2	5	119	.76	.039	4	12	1.06	18	<.01	<2	2.67	.01	.05	<1	5	10
43322	2	15	4	30	.1	5	6	462	1.89	7	<5	<2	<2	4	<.2	4	<2	19	.03	.025	<2	6	.02	68	<.01	<2	.47	<.01	.06	1	2	60
43323	1	35	2	17	<.1	6	10	391	3.57	10	<5	<2	<2	3	<.2	3	<2	44	.04	.038	5	8	.05	18	<.01	<2	.46	.06	.02	<1	6	240
43329	<1	14	10	83	<.1	7	9	488	5.28	10	<5	<2	<2	5	<.2	<2	<2	80	.17	.069	11	9	.82	27	<.01	<2	1.63	.05	.03	<1	3	10
43339	1	32	3	28	.1	11	13	745	3.71	24	<5	<2	<2	8	<.2	5	<2	31	.24	.062	5	5	.14	46	<.01	4	.68	<.01	.10	<1	2	115
43420	1	43	3	163	<.1	8	16	1292	6.63	24	<5	<2	<2	22	<.2	<2	2	126	1.58	.082	5	6	2.42	82	.02	<2	2.71	.05	.08	<1	26	5
43432	2	5	<2	45	<.1	3	1	539	2.67	91	<5	<2	<2	4	<.2	6	5	19	.04	.039	3	4	.04	30	<.01	3	.46	<.01	.02	1	1	175
STANDARD C/AU-R	19	55	37	128	7.0	72	31	1065	3.96	42	18	7	34	49	17.9	15	21	60	.51	.091	42	57	.92	184	.08	33	1.88	.06	.15	13	540	1810

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: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 8 1994 **DATE REPORT MAILED:** Aug 10/94 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 192 File # 94-2450

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Rick Roe

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
42396	1	9	11	80	.4	10	11	1156	3.78	5	<5	<2	3	80	<.2	<2	<2	73	.73	.097	16	14	.46	164	.10	3	1.69	.04	.08	<1	3	30
42400	1	15	8	73	<.1	9	10	1123	3.45	54	<5	<2	<2	66	<.2	3	<2	61	.68	.097	16	13	.42	169	.07	5	1.60	.03	.09	1	9	50
42927	1	9	7	80	<.1	10	12	1418	3.79	8	<5	<2	3	82	<.2	<2	<2	70	.69	.094	17	15	.44	179	.10	3	1.65	.04	.09	2	63	30
RE 42927	1	11	9	79	<.1	10	12	1409	3.78	9	<5	<2	2	81	<.2	<2	2	70	.68	.093	16	15	.44	177	.10	3	1.65	.04	.09	<1	28	30
STANDARD C/AU-S	20	58	38	123	6.8	72	32	1068	3.96	41	15	8	38	53	17.0	15	17	61	.50	.091	40	60	.94	183	.08	35	1.88	.06	.17	14	54	1900

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.
- SAMPLE TYPE: -150 SILT AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 8 1994 **DATE REPORT MAILED:** Aug 17/94 **SIGNED BY** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 192 File # 94-2451 Page 1

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Rick Roe

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
41795	1	1	8	36	.1	<1	1	113	.79	5	<5	<2	4	20	<.2	2	<2	11	.11	.018	19	2	.03	101	.01	2	.65	.01	.19	1	1
41796	1	4	19	38	.2	2	2	134	1.15	5	<5	<2	<2	33	<.2	2	<2	30	.25	.011	8	6	.17	159	.04	3	.91	.02	.05	1	2
41797	<1	11	12	97	<.1	5	5	788	2.36	10	<5	<2	<2	13	<.2	<2	<2	44	.13	.067	10	10	.20	92	.03	<2	1.98	.02	.08	<1	1
42158	1	13	6	57	.2	2	7	383	6.00	59	<5	<2	<2	7	<.2	8	<2	90	.10	.126	6	3	.13	43	.01	5	1.30	.01	.05	<1	1
42159	<1	11	13	92	.2	5	4	245	3.39	118	<5	<2	2	11	.3	4	<2	53	.14	.169	7	12	.18	47	.11	3	1.65	.02	.05	<1	1
42160	1	34	9	123	.2	16	14	830	5.40	14	<5	<2	<2	25	.2	2	<2	136	.45	.162	7	27	.86	92	.15	4	2.81	.03	.06	<1	1
42161	<1	8	8	69	.2	4	2	202	1.99	3	<5	<2	<2	14	.2	2	<2	41	.17	.062	8	10	.17	36	.11	3	1.03	.02	.04	1	1
42162	1	11	9	60	.1	4	3	231	2.82	18	<5	<2	<2	13	.2	3	<2	52	.14	.035	10	10	.13	31	.10	<2	.85	.02	.03	<1	13
42163	1	3	7	41	.2	2	2	135	1.17	5	<5	<2	<2	15	<.2	2	<2	32	.16	.014	7	7	.11	30	.08	4	.69	.02	.03	1	1
42164	<1	14	11	55	.1	6	4	236	4.18	22	<5	<2	<2	13	<.2	2	<2	82	.15	.100	7	23	.18	50	.08	2	1.06	.02	.05	<1	1
42165	1	16	12	88	.1	10	5	289	3.75	33	<5	<2	<2	13	<.2	<2	<2	59	.16	.108	8	20	.34	57	.06	<2	2.42	.02	.06	<1	<1
42166	1	12	8	73	<.1	8	4	308	2.35	12	<5	<2	<2	30	.2	<2	<2	43	.33	.036	11	16	.34	108	.06	<2	1.34	.02	.05	<1	1
42167	1	37	9	93	.2	14	7	792	4.02	11	<5	<2	<2	31	.2	<2	<2	57	.35	.052	27	29	.49	259	.03	<2	2.01	.02	.09	<1	1
42168	1	12	12	96	.1	8	7	362	3.67	18	<5	<2	<2	19	.3	2	<2	68	.24	.190	7	20	.30	103	.09	<2	1.73	.02	.05	<1	<1
42169	1	20	14	77	.1	13	8	424	3.89	20	<5	<2	<2	21	<.2	2	<2	73	.23	.066	8	22	.40	88	.08	4	2.02	.02	.06	<1	17
42170	1	21	9	70	.2	12	8	671	2.92	11	<5	<2	<2	36	<.2	<2	<2	56	.39	.032	18	20	.46	94	.07	<2	1.81	.03	.07	<1	<1
42171	<1	12	11	63	.2	8	5	463	2.45	6	<5	<2	<2	33	.2	2	<2	56	.36	.029	13	14	.26	76	.08	2	1.19	.02	.04	<1	1
42172	1	17	11	64	.3	9	5	340	2.73	13	<5	<2	<2	26	<.2	3	<2	57	.29	.035	10	15	.29	69	.05	2	1.51	.02	.04	<1	1
42173	<1	20	14	91	.1	17	9	273	3.75	36	<5	<2	<2	16	<.2	<2	<2	70	.17	.091	7	18	.45	77	.07	<2	2.80	.01	.05	<1	1
42174	1	69	14	107	.7	23	11	984	3.61	21	<5	<2	<2	32	.2	<2	<2	54	.38	.118	42	28	.53	225	.02	<2	3.85	.02	.12	<1	2
42175	1	16	10	63	.2	12	6	362	2.50	7	<5	<2	<2	21	<.2	2	2	51	.22	.034	9	18	.41	79	.06	2	1.83	.02	.04	<1	<1
42176	2	30	15	108	.4	16	10	684	3.42	<2	<5	<2	<2	39	<.2	2	<2	63	.49	.063	13	19	.46	148	.03	<2	2.94	.01	.11	<1	1
RE 42176	2	30	12	104	.2	16	10	675	3.51	3	<5	<2	<2	39	<.2	<2	<2	63	.47	.063	13	22	.45	139	.03	<2	2.89	.02	.13	<1	1
42177	<1	10	10	59	<.1	8	5	359	2.86	22	<5	<2	<2	13	<.2	<2	<2	57	.15	.069	8	16	.26	77	.08	<2	1.96	.02	.05	<1	1
42178	1	10	11	63	.3	7	5	287	2.95	8	<5	<2	<2	14	<.2	2	<2	57	.12	.055	10	14	.19	68	.07	3	1.56	.02	.04	<1	<1
42179	1	4	6	16	.1	2	1	115	.87	<2	<5	<2	<2	14	<.2	<2	<2	24	.12	.012	7	8	.05	47	.06	<2	.53	.03	.04	<1	1
42180	<1	10	10	66	<.1	9	4	192	3.01	161	<5	<2	<2	13	<.2	<2	<2	54	.14	.065	8	16	.20	73	.07	<2	2.36	.02	.04	<1	2
42181	1	20	13	72	.2	16	9	298	3.43	22	<5	<2	2	13	<.2	2	<2	62	.13	.061	8	19	.41	90	.07	<2	3.12	.01	.04	<1	5
42182	1	22	13	73	<.1	13	7	293	3.27	11	<5	<2	<2	19	<.2	<2	<2	61	.18	.073	8	23	.47	93	.06	<2	2.19	.02	.06	<1	1
42183	2	12	9	70	.2	11	6	289	2.72	15	<5	<2	<2	23	<.2	<2	<2	56	.26	.034	7	18	.37	76	.07	<2	1.60	.02	.06	<1	1
42184	<1	10	10	91	<.1	6	5	1193	2.60	2	<5	<2	<2	15	<.2	<2	<2	56	.19	.141	6	18	.20	63	.08	<2	1.51	.02	.04	<1	<1
42185	<1	11	7	126	<.1	9	7	287	2.73	<2	<5	<2	<2	17	<.2	<2	<2	51	.18	.061	6	20	.28	64	.08	<2	1.98	.03	.04	<1	<1
42186	<1	13	13	91	.1	7	5	203	2.99	<2	<5	<2	<2	16	<.2	<2	<2	53	.19	.105	8	18	.26	53	.09	<2	3.44	.02	.03	<1	<1
42187	<1	14	11	93	.2	6	5	266	3.14	71	<5	<2	<2	25	<.2	3	<2	67	.29	.048	10	15	.26	78	.07	3	1.06	.02	.05	<1	<1
42188	<1	75	22	148	.3	22	10	1468	4.99	25	5	<2	<2	74	<.2	<2	<2	56	.97	.070	318	41	.68	328	.02	<2	3.98	.02	.11	<1	1
STANDARD C/AU-S	18	58	39	128	7.1	66	31	1023	3.96	37	15	7	37	51	17.2	14	17	60	.49	.091	42	60	.88	190	.08	33	1.88	.07	.16	10	52

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.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 8 1994 **DATE REPORT MAILED:** Aug 17/94 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42189	1	24	11	110	.3	7	5	1120	2.78	17	9	<2	<2	21	.2	2	3	49	.25	.047	143	14	.21	132	.05	2	1.44	.02	.05	<1	1
42190	1	11	10	74	<.1	6	3	546	3.22	47	<5	<2	<2	16	.2	2	<2	57	.21	.211	11	13	.18	117	.07	2	1.45	.02	.04	1	5
42191	1	36	13	118	.2	19	8	1549	4.51	33	5	<2	<2	36	.3	2	<2	61	.47	.077	95	20	.54	219	.03	2	3.04	.02	.07	3	1
42192	1	9	11	65	<.1	5	3	399	2.83	38	<5	<2	<2	13	.2	2	<2	53	.16	.160	9	11	.14	68	.06	2	1.51	.02	.03	<1	1
42193	1	8	9	64	.1	7	3	236	3.68	53	<5	<2	<2	19	.2	3	<2	71	.20	.080	9	15	.18	75	.07	<2	1.34	.02	.04	1	1
42194	1	12	11	92	<.1	9	5	455	3.76	24	<5	<2	<2	19	<.2	2	3	68	.24	.179	8	17	.25	80	.08	<2	1.57	.02	.07	<1	1
42195	1	16	11	112	<.1	18	7	465	4.32	30	<5	<2	<2	34	<.2	2	<2	72	.40	.111	10	20	.46	122	.07	2	2.33	.02	.09	2	1
42196	1	17	9	79	<.1	13	6	441	3.21	14	<5	<2	<2	28	.2	<2	<2	62	.37	.072	9	18	.51	99	.06	<2	1.79	.03	.06	1	1
42197	1	8	9	63	<.1	7	3	297	2.33	7	<5	<2	<2	20	.2	<2	<2	54	.28	.043	7	13	.20	69	.08	2	1.03	.02	.06	<1	<1
42198	1	14	11	73	.1	16	7	402	3.38	10	<5	<2	<2	22	<.2	<2	<2	62	.26	.088	10	17	.42	95	.09	2	2.36	.03	.05	2	2
42199	1	16	12	83	<.1	17	7	305	3.80	17	<5	<2	<2	23	.2	<2	<2	64	.30	.093	12	19	.47	119	.06	2	2.49	.02	.05	1	1
42200	1	18	12	72	.1	13	5	272	3.16	19	<5	<2	<2	28	.2	3	<2	61	.32	.037	14	16	.37	123	.06	2	2.05	.02	.06	1	2
42328	1	8	9	44	.1	7	3	167	1.93	8	<5	<2	<2	14	.2	<2	<2	43	.15	.025	9	10	.18	81	.06	2	1.15	.02	.04	1	1
42329	1	8	8	45	.1	10	4	245	2.11	7	<5	<2	<2	23	<.2	3	<2	48	.25	.018	9	12	.36	79	.07	3	1.25	.02	.04	2	1
42330	1	10	9	65	<.1	11	5	342	2.44	6	<5	<2	<2	28	<.2	<2	<2	52	.35	.027	11	14	.42	207	.07	2	1.44	.02	.05	1	1
42331	1	7	7	45	<.1	3	4	270	3.72	33	<5	<2	<2	9	<.2	6	<2	73	.13	.132	8	5	.13	53	.03	2	.99	.02	.04	2	1
42332	1	16	10	58	.1	13	5	291	2.67	12	<5	<2	<2	32	.2	<2	<2	55	.34	.032	12	16	.41	101	.06	2	1.60	.02	.06	1	1
42333	1	37	9	150	.3	19	11	784	4.17	203	<5	<2	<2	34	<.2	10	<2	58	.39	.080	32	17	.50	133	.05	<2	1.99	.03	.04	<1	1
42334	<1	8	7	74	.1	6	4	379	1.83	12	<5	<2	<2	18	.3	3	<2	39	.24	.030	15	10	.24	81	.07	2	.90	.02	.04	<1	2
42335	1	25	14	109	.3	10	4	398	6.75	608	<5	<2	<2	27	<.2	14	<2	67	.21	.068	11	15	.23	188	.08	<2	1.20	.02	.07	<1	1
42336	1	12	10	129	.1	8	7	753	3.77	94	<5	<2	<2	11	<.2	3	<2	65	.14	.153	7	15	.19	73	.07	2	1.90	.02	.04	<1	1
42337	1	15	10	82	<.1	8	4	298	3.17	107	<5	<2	<2	21	<.2	5	2	65	.17	.043	9	13	.16	160	.07	2	1.05	.02	.05	<1	1
42338	<1	13	11	90	.2	12	8	363	3.33	30	<5	<2	2	11	<.2	2	5	58	.15	.107	8	16	.32	53	.07	2	2.51	.02	.04	1	9
42339	1	17	11	95	<.1	13	8	661	3.46	36	<5	<2	2	15	<.2	<2	<2	62	.19	.134	8	17	.34	58	.07	2	2.34	.02	.04	<1	1
RE 42339	1	16	11	93	<.1	14	8	647	3.35	39	<5	<2	<2	15	<.2	2	<2	60	.18	.132	8	17	.33	57	.07	3	2.29	.02	.04	1	2
42340	1	8	8	60	<.1	9	4	288	3.37	8	<5	<2	<2	19	.2	<2	<2	70	.20	.046	9	16	.27	75	.09	2	1.45	.02	.05	<1	1
42341	1	9	10	69	.1	11	4	279	3.62	9	<5	<2	<2	16	<.2	2	<2	77	.16	.062	9	18	.28	78	.11	<2	1.82	.02	.04	<1	1
42342	1	11	11	69	.2	8	4	311	3.60	14	<5	<2	<2	17	.2	3	<2	76	.18	.144	8	16	.21	74	.08	<2	1.60	.02	.04	1	2
42343	<1	13	10	85	.1	16	6	324	3.77	24	<5	<2	<2	18	<.2	<2	<2	77	.30	.041	12	18	.33	172	.07	2	2.22	.02	.03	1	1
42344	1	14	11	91	.1	14	7	356	4.94	70	<5	<2	2	11	<.2	<2	<2	70	.15	.082	7	19	.38	63	.08	<2	2.48	.02	.04	<1	1
42345	1	16	14	78	.1	15	6	333	3.87	45	<5	<2	2	13	<.2	3	<2	67	.15	.079	8	19	.36	75	.07	<2	2.66	.02	.04	1	2
42369	<1	25	8	75	<.1	11	10	388	3.07	2	<5	<2	<2	117	.2	<2	<2	80	.83	.085	8	11	.78	156	.16	<2	3.00	.03	.05	1	2
42370	<1	7	6	25	<.1	5	3	144	1.47	<2	<5	<2	<2	25	.2	<2	<2	46	.22	.026	7	6	.20	54	.10	<2	1.21	.02	.04	1	1
42371	<1	11	9	54	<.1	10	6	248	3.80	5	<5	<2	<2	16	.2	<2	<2	89	.20	.079	7	13	.42	53	.12	<2	2.78	.02	.04	3	1
42372	1	9	16	90	.1	6	4	397	2.86	<2	<5	<2	<2	78	.4	<2	2	55	.91	.152	13	6	.49	76	.14	<2	4.08	.02	.08	1	1
STANDARD C/AU-S	19	59	37	124	6.9	73	30	1066	4.01	41	16	7	35	52	16.9	14	22	60	.50	.094	39	54	.95	185	.08	34	1.89	.05	.16	12	45

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42373	1	12	7	54	.2	6	5	230	2.50	5	<5	<2	<2	25	.3	<2	<2	61	.34	.090	8	10	.29	78	.09	5	1.27	.02	.03	1	1
42374	1	5	4	19	.2	2	1	83	.75	<2	<5	<2	<2	15	.2	2	<2	25	.14	.031	5	4	.07	31	.05	2	.77	.02	.03	<1	2
42375	<1	2	4	16	.2	1	1	101	.58	<2	<5	<2	<2	14	<.2	2	<2	22	.14	.014	5	4	.04	32	.06	3	.55	.02	.03	1	1
42376	3	12	10	44	<.1	5	4	183	2.66	7	<5	<2	<2	15	<.2	<2	<2	62	.14	.082	6	13	.25	60	.10	<2	2.61	.01	.03	1	5
42377	2	17	9	56	.2	9	8	426	3.01	5	<5	<2	<2	42	<.2	<2	<2	66	.54	.053	7	12	.49	92	.09	3	2.26	.02	.05	<1	1
42378	2	12	8	52	.1	5	5	264	2.74	4	<5	<2	<2	11	.2	<2	<2	67	.15	.064	6	10	.29	41	.04	2	2.06	.02	.04	2	1
42379	1	18	3	81	.2	17	14	728	4.39	<2	<5	<2	<2	22	<.2	3	<2	102	.55	.140	12	22	1.03	167	<.01	<2	3.39	.01	.07	<1	<1
42380	1	38	7	48	<.1	13	12	1071	4.07	26	<5	<2	<2	34	.3	2	<2	59	.68	.095	14	16	.75	86	<.01	<2	2.19	.01	.21	2	1
42406	1	16	6	58	.2	11	6	340	3.14	8	<5	<2	<2	19	<.2	2	<2	56	.27	.066	9	19	.48	60	.07	4	1.77	.02	.06	1	1
42407	2	12	8	65	.1	8	5	371	2.28	9	<5	<2	<2	17	<.2	<2	<2	45	.18	.041	9	13	.35	53	.06	3	1.45	.02	.04	1	1
42408	1	12	9	68	.1	8	4	215	3.06	8	<5	<2	<2	13	<.2	<2	<2	54	.15	.108	8	17	.27	61	.09	<2	1.92	.02	.05	1	1
42409	<1	5	5	36	.1	2	2	245	1.59	<2	<5	<2	<2	11	<.2	2	<2	34	.17	.027	8	9	.08	49	.04	2	.74	.01	.05	1	1
42410	1	17	12	94	.2	12	6	400	2.87	<2	<5	<2	2	11	<.2	3	<2	49	.15	.073	7	16	.37	71	.10	3	2.78	.01	.05	1	<1
42411	3	8	9	66	.2	6	4	403	2.89	53	<5	<2	2	10	<.2	2	<2	46	.11	.092	10	13	.21	42	.04	4	1.79	.01	.05	1	2
42412	1	7	7	30	.2	6	3	168	1.44	10	<5	<2	<2	17	<.2	2	<2	33	.17	.018	8	11	.28	52	.06	3	1.14	.02	.04	1	<1
42413	<1	12	8	153	.2	10	5	202	3.82	52	<5	<2	2	9	<.2	5	<2	52	.10	.102	6	17	.28	38	.06	2	3.65	.01	.04	2	<1
42414	1	17	8	62	.3	11	6	348	2.95	18	<5	<2	2	18	<.2	3	<2	51	.21	.060	8	16	.40	62	.07	5	1.91	.02	.05	1	3
42415	1	17	10	80	<.1	9	6	348	3.71	14	<5	<2	<2	27	.2	2	2	74	.45	.049	9	17	.33	87	.07	<2	1.65	.01	.04	<1	1
42416	1	16	9	84	<.1	10	7	694	2.86	7	<5	<2	<2	27	.2	<2	<2	55	.41	.033	12	18	.49	76	.06	<2	1.73	.02	.06	<1	1
42417	<1	20	11	95	.1	9	7	666	3.04	<2	<5	<2	<2	23	.4	<2	<2	58	.25	.078	8	17	.28	98	.05	<2	1.54	.02	.05	<1	1
42418	<1	18	10	53	.1	8	6	373	2.77	7	<5	<2	<2	24	<.2	<2	<2	57	.27	.024	11	17	.32	81	.06	<2	1.44	.02	.06	2	1
42419	3	13	9	81	.2	10	7	485	3.24	37	<5	<2	3	10	<.2	<2	<2	50	.13	.074	11	16	.36	71	.05	3	2.69	.01	.07	<1	<1
42420	<1	9	12	67	.1	7	5	267	3.05	8	<5	<2	2	13	<.2	2	<2	57	.13	.062	8	15	.28	55	.10	2	2.54	.01	.06	<1	1
RE 42420	1	8	11	66	<.1	7	5	265	3.07	4	<5	<2	<2	13	<.2	<2	<2	57	.13	.063	8	16	.28	56	.10	<2	2.58	.01	.06	<1	<1
42421	1	8	6	38	<.1	6	4	349	1.81	2	<5	<2	<2	22	<.2	<2	<2	40	.28	.014	7	13	.33	62	.07	<2	1.30	.02	.04	<1	<1
42422	<1	3	11	42	.1	7	5	261	1.90	<2	<5	<2	<2	29	<.2	2	<2	45	.39	.013	8	11	.43	68	.05	3	1.72	.02	.02	2	<1
42423	<1	17	6	18	<.1	3	2	90	.47	<2	<5	<2	<2	33	<.2	<2	<2	12	.38	.014	14	7	.10	108	.02	<2	1.12	.02	.02	1	1
42424	1	15	10	79	.1	10	6	295	3.65	23	<5	<2	2	14	<.2	3	2	58	.20	.161	8	17	.35	68	.06	2	2.54	.02	.05	<1	1
42425	<1	12	11	49	<.1	9	5	261	2.65	6	<5	<2	<2	17	<.2	<2	2	51	.21	.029	7	16	.40	44	.08	2	1.64	.02	.05	1	1
42426	<1	8	9	49	.1	7	4	277	1.85	8	<5	<2	<2	19	<.2	2	2	38	.23	.016	8	12	.40	51	.08	2	1.31	.02	.03	2	<1
42427	<1	15	11	76	.2	10	6	334	2.61	13	<5	<2	<2	25	<.2	<2	2	52	.31	.036	10	16	.42	78	.07	4	1.93	.02	.05	<1	<1
42428	<1	15	12	102	.1	11	8	663	4.00	24	<5	<2	<2	23	<.2	<2	2	68	.29	.102	7	21	.37	89	.06	3	1.92	.02	.08	<1	1
42429	1	28	10	123	.2	16	10	1008	3.99	17	<5	<2	<2	31	<.2	<2	<2	69	.36	.052	14	23	.57	130	.05	<2	3.04	.02	.07	<1	<1
42430	<1	9	5	49	<.1	9	4	337	2.21	12	<5	<2	<2	22	<.2	<2	2	44	.28	.020	8	13	.48	56	.08	<2	1.50	.02	.04	1	2
42446	<1	23	14	98	.1	15	9	431	3.79	33	<5	<2	<2	13	<.2	<2	<2	71	.16	.106	7	22	.42	66	.08	<2	3.16	.01	.05	<1	1
STANDARD C/AU-S	18	57	38	127	6.9	68	29	1044	3.96	37	18	7	36	46	17.5	14	18	59	.50	.088	38	58	.90	183	.08	35	1.88	.06	.14	11	48

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42481	<1	40	5	134	.4	18	9	2035	4.31	6	<5	<2	<2	45	.7	<2	<2	72	1.33	.083	47	19	.67	261	.10	<2	3.29	.02	.06	<1	2
42482	1	16	5	73	<.1	4	4	471	4.47	10	<5	<2	<2	14	<.2	<2	<2	85	.26	.064	6	8	.17	64	.06	<2	.93	.01	.04	<1	1
42483	1	17	6	90	<.1	8	6	579	4.91	9	<5	<2	<2	12	<.2	2	<2	92	.16	.128	8	14	.34	72	.08	<2	1.78	.01	.04	<1	<1
42484	<1	29	5	87	.3	12	9	757	4.04	6	<5	<2	<2	41	.2	<2	<2	68	.78	.069	45	17	.43	255	.07	<2	2.70	.02	.06	<1	1
42485	1	14	3	103	.1	7	6	651	4.67	<2	<5	<2	<2	17	.2	<2	<2	136	.33	.105	8	12	.34	85	.19	2	1.58	.02	.04	<1	<1
42486	1	13	6	49	<.1	6	5	318	2.60	4	<5	<2	<2	21	<.2	<2	<2	74	.25	.036	8	11	.29	70	.12	2	1.34	.02	.05	1	<1
42487	1	11	5	44	<.1	8	4	272	2.84	7	<5	<2	<2	25	<.2	2	<2	69	.25	.032	9	13	.27	72	.09	2	1.14	.01	.03	1	<1
42488	<1	11	5	48	<.1	8	4	263	2.17	5	<5	<2	<2	26	<.2	<2	2	49	.31	.026	10	12	.33	93	.09	2	1.43	.02	.04	<1	1
42489	1	17	7	152	.1	15	8	355	3.42	30	<5	<2	2	16	<.2	<2	<2	61	.17	.088	9	18	.41	74	.09	<2	2.49	.01	.04	<1	<1
42490	1	11	9	68	.1	8	4	227	3.25	10	<5	<2	2	14	<.2	2	<2	70	.17	.089	8	16	.23	59	.09	2	1.85	.01	.03	<1	1
42491	1	13	9	99	<.1	9	7	764	3.48	178	<5	<2	<2	20	<.2	4	2	60	.19	.128	10	16	.29	121	.09	2	2.18	.01	.05	<1	2
42492	1	15	6	84	<.1	10	6	283	3.69	21	<5	<2	<2	17	<.2	<2	<2	72	.18	.071	7	17	.29	73	.10	2	1.93	.01	.04	<1	1
42493	2	22	5	78	.2	11	8	1929	5.11	70	<5	<2	<2	43	<.2	2	<2	68	.57	.112	32	17	.37	144	.03	2	2.53	.01	.04	<1	1
42494	1	10	6	51	.1	2	3	395	3.00	8	<5	<2	<2	18	<.2	<2	<2	62	.23	.110	9	11	.16	62	.08	2	1.24	.01	.05	1	3
42495	1	19	5	75	.1	7	6	431	6.11	110	<5	<2	2	17	<.2	2	<2	108	.26	.249	9	15	.49	71	.16	<2	2.75	.01	.04	<1	1
42496	1	104	10	108	1.2	25	11	915	5.83	19	<5	<2	3	53	.3	<2	3	93	.96	.098	54	30	.66	150	.11	<2	4.94	.02	.07	<1	2
42497	1	15	7	65	<.1	11	5	319	2.55	5	<5	<2	<2	36	<.2	<2	<2	55	.53	.053	13	14	.43	96	.09	2	1.77	.02	.05	<1	1
42498	1	18	9	91	.2	11	6	657	3.06	6	<5	<2	<2	36	.2	<2	<2	62	.54	.055	22	17	.42	117	.07	2	2.18	.02	.06	<1	1
42499	<1	28	6	85	.1	9	12	675	5.99	6	<5	<2	<2	30	<.2	<2	<2	107	.68	.265	20	12	.95	78	.16	<2	2.71	.02	.04	<1	1
42500	1	12	6	73	.1	4	4	612	4.84	2	<5	<2	2	12	<.2	<2	2	62	.18	.196	10	9	.24	50	.07	<2	1.63	.01	.04	<1	1
42533	<1	13	5	63	.1	13	8	340	3.53	3	<5	<2	2	25	<.2	<2	<2	71	.34	.073	14	11	.45	97	.08	2	2.78	.01	.05	<1	1
RE 42533	<1	11	4	58	<.1	12	7	317	3.40	4	<5	<2	2	24	<.2	<2	<2	68	.32	.069	13	10	.42	92	.08	2	2.57	.01	.05	<1	<1
42534	<1	9	6	72	.1	6	6	1292	3.45	7	<5	<2	<2	24	<.2	3	2	70	.32	.133	11	11	.19	133	.09	2	1.59	.01	.05	<1	1
42535	<1	18	7	60	.4	10	7	616	3.45	9	<5	<2	<2	34	<.2	<2	4	68	.44	.146	12	13	.47	104	.09	<2	2.47	.01	.06	<1	1
42536	1	12	6	48	.2	6	3	398	2.73	5	<5	<2	<2	28	<.2	<2	3	62	.27	.070	9	10	.21	138	.08	2	1.11	.01	.06	1	<1
42537	<1	12	7	73	.1	9	6	475	3.01	13	<5	<2	<2	64	<.2	2	3	63	.52	.045	12	12	.46	122	.09	2	1.85	.02	.05	<1	1
42538	1	9	7	57	.1	9	4	229	2.95	<2	<5	<2	<2	15	<.2	<2	2	70	.18	.085	8	9	.23	94	.09	2	1.73	.01	.04	<1	<1
42539	<1	13	6	57	.1	13	8	537	3.43	2	<5	<2	2	26	<.2	<2	3	69	.37	.140	10	12	.48	130	.12	2	2.62	.02	.05	<1	1
42540	<1	6	5	42	<.1	14	9	244	2.64	<2	<5	<2	<2	59	<.2	<2	2	50	.47	.024	11	7	.61	118	.03	2	2.46	.02	.04	1	1
42541	<1	2	7	11	.1	1	1	88	.41	3	<5	<2	2	19	<.2	3	<2	15	.19	.009	11	3	.06	42	.06	<2	.61	.01	.03	1	1
42542	1	8	7	66	.1	9	6	270	3.32	5	<5	<2	2	22	<.2	<2	3	64	.27	.089	10	11	.30	76	.09	<2	2.39	.01	.04	<1	2
42543	<1	11	6	63	<.1	10	5	322	2.65	3	<5	<2	<2	31	<.2	<2	<2	52	.37	.043	12	11	.47	81	.08	2	2.32	.01	.06	<1	1
42544	1	14	7	82	<.1	8	6	1170	2.48	7	6	<2	<2	36	<.2	<2	<2	49	.37	.044	44	10	.41	133	.08	2	2.37	.01	.05	<1	1
42545	1	7	6	89	.2	7	5	542	2.88	3	<5	<2	2	30	.2	<2	2	54	.35	.141	13	11	.33	72	.08	<2	2.45	.01	.05	<1	1
42546	1	5	8	59	.1	4	3	268	2.79	5	<5	<2	2	19	.3	2	<2	54	.21	.076	10	10	.21	57	.08	2	1.50	.01	.04	<1	1
STANDARD C/AU-S	18	58	38	127	6.6	75	29	1045	3.96	40	15	7	37	50	17.2	15	20	60	.50	.091	41	56	.90	188	.08	33	1.88	.06	.14	12	53

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42547	<1	8	9	38	.1	3	2	166	1.27	<2	<5	<2	<2	21	<.2	3	<2	33	.23	.039	9	7	.12	71	.08	2	.94	.01	.03	1	2
42548	1	8	10	56	.2	5	3	216	2.75	3	<5	<2	<2	17	.2	2	<2	58	.18	.028	9	11	.17	65	.08	<2	1.38	.01	.02	<1	1
42549	2	11	13	38	<.1	8	5	249	3.80	7	<5	<2	<2	26	.2	<2	2	68	.23	.020	10	13	.24	113	.11	<2	1.78	.02	.03	<1	1
42550	1	18	11	113	.3	10	6	401	3.45	3	<5	<2	<2	32	.2	3	<2	64	.37	.042	32	15	.27	183	.11	2	2.49	.01	.04	<1	1
42551	1	12	12	63	<.1	7	5	461	3.78	6	<5	<2	<2	26	.2	<2	2	72	.29	.108	10	14	.20	86	.12	<2	1.55	.02	.04	<1	1
42552	1	9	12	67	<.1	6	4	480	3.51	5	<5	<2	<2	22	<.2	2	2	65	.26	.067	10	12	.17	95	.12	3	1.42	.01	.05	<1	<1
42553	1	7	9	82	.2	4	3	698	2.23	23	<5	<2	<2	16	.2	2	<2	45	.22	.068	10	10	.13	72	.06	<2	1.26	.01	.04	<1	7
42554	<1	2	5	16	.2	1	<1	77	.27	<2	<5	<2	<2	12	<.2	4	<2	9	.13	.007	10	2	.02	45	.05	<2	.50	.01	.02	<1	2
42555	1	8	12	72	.3	6	4	433	2.49	3	<5	<2	<2	13	.2	3	<2	44	.16	.094	11	10	.14	65	.08	<2	2.17	.01	.04	<1	1
RE 42555	1	8	15	75	.1	6	5	442	2.57	5	<5	<2	<2	14	.2	<2	<2	46	.17	.098	12	11	.15	67	.08	<2	2.25	.01	.04	1	1
42556	1	9	12	101	.1	6	4	926	2.37	3	<5	<2	<2	12	<.2	4	<2	43	.16	.100	10	10	.14	70	.08	2	1.74	.01	.03	<1	13
42557	1	7	10	114	<.1	6	4	272	2.24	2	<5	<2	<2	15	.2	3	2	39	.24	.127	12	11	.17	75	.10	<2	1.79	.01	.04	<1	2
42558	2	8	12	83	.1	6	4	402	2.72	7	<5	<2	<2	28	.2	<2	3	55	.34	.051	11	11	.17	99	.10	<2	1.40	.01	.04	<1	3
42559	1	8	12	86	.1	6	4	238	2.79	7	<5	<2	<2	23	.2	3	<2	57	.28	.028	9	10	.17	69	.09	2	1.39	.01	.04	<1	1
42560	1	29	6	73	<.1	24	23	824	4.35	<2	<5	<2	<2	43	.2	<2	<2	86	.30	.040	16	11	.99	2980	.09	2	4.37	.03	.06	<1	1
42561	1	12	7	75	.1	8	5	461	2.82	4	<5	<2	<2	41	.2	<2	<2	54	.36	.124	15	10	.21	172	.06	<2	2.00	.01	.05	<1	5
42562	1	9	9	88	.1	5	4	515	2.48	2	<5	<2	<2	24	.2	2	<2	52	.21	.102	11	9	.13	83	.06	2	1.70	.01	.03	<1	1
42563	1	9	8	41	.1	4	3	436	1.83	2	<5	<2	<2	23	<.2	2	2	44	.18	.046	11	7	.10	77	.07	<2	1.11	.01	.04	<1	12
42564	1	11	18	65	.1	8	6	327	3.56	6	<5	<2	2	28	.2	<2	<2	62	.20	.069	14	11	.21	105	.08	2	2.07	.02	.04	<1	1
42565	1	13	10	63	.1	9	5	405	2.98	5	<5	<2	<2	34	.2	<2	2	58	.30	.087	12	11	.20	102	.06	<2	1.63	.01	.03	<1	1
42566	1	18	8	69	.2	7	5	323	2.60	9	<5	<2	<2	33	.3	2	<2	49	.25	.055	12	9	.16	165	.05	<2	1.68	.01	.03	<1	7
42567	1	10	10	84	.2	7	5	358	3.03	7	<5	<2	<2	22	.2	2	3	61	.23	.086	9	11	.19	92	.08	<2	1.93	.01	.04	<1	1
42568	2	12	11	86	.2	8	7	460	3.69	17	<5	<2	<2	43	.3	2	3	77	.32	.055	8	12	.20	157	.07	3	1.76	.01	.06	<1	1
42569	1	11	12	65	<.1	6	5	380	2.84	7	<5	<2	<2	52	.3	3	2	57	.38	.038	14	10	.15	102	.06	2	1.59	.01	.03	<1	1
42570	1	8	7	52	<.1	6	5	319	2.00	2	<5	<2	<2	38	<.2	2	<2	44	.33	.021	10	9	.23	102	.09	2	1.27	.01	.02	1	1
42571	1	11	10	91	.1	9	5	397	2.93	2	<5	<2	<2	22	<.2	2	<2	53	.29	.136	12	11	.23	98	.05	2	2.10	.01	.06	<1	1
42572	1	3	12	82	<.1	5	4	237	3.34	<2	<5	<2	2	62	.3	3	<2	62	.22	.137	22	7	.11	143	.03	2	1.42	.01	.06	<1	6
42573	1	15	8	71	.1	8	6	502	3.77	7	<5	<2	<2	25	.2	2	3	74	.26	.149	9	14	.21	83	.09	2	2.35	.01	.04	<1	32
42574	2	22	9	55	.1	10	7	298	4.08	12	<5	<2	<2	26	<.2	3	3	75	.27	.137	10	13	.27	110	.10	2	2.65	.01	.03	2	2
42575	1	12	10	41	<.1	10	7	233	2.04	3	<5	<2	<2	59	.2	2	<2	56	.45	.033	10	11	.33	117	.06	<2	2.33	.02	.02	<1	1
42576	1	20	8	62	.1	11	8	411	3.35	8	<5	<2	<2	28	.2	4	2	71	.24	.108	8	16	.27	86	.12	3	2.72	.02	.04	<1	<1
42577	1	14	16	128	.1	11	7	573	3.80	4	<5	<2	<2	19	.3	2	2	65	.18	.185	14	12	.24	82	.10	2	2.92	.01	.05	<1	2
42578	1	17	6	62	<.1	14	7	283	3.37	5	<5	<2	<2	25	<.2	<2	<2	66	.22	.084	13	14	.27	127	.10	2	2.47	.01	.04	<1	2
42579	1	20	8	117	.1	31	14	936	5.14	<2	<5	<2	<2	25	.2	2	2	94	.19	.207	8	40	.22	169	.01	<2	2.99	.01	.07	<1	1
42580	1	12	7	65	.2	6	5	192	3.64	5	<5	<2	<2	39	<.2	<2	<2	84	.17	.054	8	11	.18	114	.07	2	2.19	.01	.04	<1	1
STANDARD C/AU-S	20	58	38	124	6.8	75	32	1036	3.96	41	17	6	35	50	16.8	15	23	60	.51	.091	41	57	.90	186	.08	33	1.88	.06	.16	11	54

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42581	1	21	13	117	.1	9	8	3076	3.90	25	<5	<2	2	24	<.2	<2	<2	76	.23	.228	13	14	.34	162	.06	3	2.73	.01	.06	1	1
42582	1	19	14	108	.1	11	8	2040	3.68	6	<5	<2	2	23	<.2	<2	<2	73	.21	.156	13	13	.39	150	.07	2	2.77	.01	.07	<1	3
42583	1	9	9	63	<.1	8	5	462	2.58	3	<5	<2	<2	37	<.2	<2	<2	54	.31	.023	12	12	.37	270	.07	3	1.63	.02	.05	<1	<1
42584	1	5	9	90	<.1	3	2	205	1.86	3	<5	<2	<2	22	<.2	2	2	37	.08	.044	17	6	.12	77	.01	<2	2.21	.01	.05	<1	1
42585	1	13	11	59	<.1	9	5	304	3.79	5	<5	<2	<2	18	<.2	<2	<2	85	.15	.121	8	14	.28	173	.10	2	2.80	.01	.06	<1	1
42586	<1	14	8	68	<.1	8	6	526	2.54	3	<5	<2	<2	73	<.2	<2	<2	59	.54	.030	10	10	.57	208	.08	2	1.78	.02	.05	<1	1
42587	1	8	9	69	<.1	5	3	880	2.52	4	<5	<2	<2	31	<.2	<2	<2	59	.39	.059	10	10	.26	130	.06	2	1.16	.01	.10	<1	44
42588	1	8	8	76	<.1	8	5	347	3.31	4	<5	<2	<2	22	<.2	<2	2	70	.22	.037	9	9	.34	110	.07	<2	1.71	.02	.06	<1	2
42589	2	16	9	89	<.1	15	12	528	5.81	<2	<5	<2	<2	51	.3	<2	<2	96	.47	.105	9	9	.51	335	.01	<2	3.15	.01	.10	<1	1
42590	1	9	10	46	.1	6	4	171	3.36	3	<5	<2	<2	78	.4	<2	<2	70	.52	.044	12	8	.22	298	.02	<2	2.08	.01	.05	<1	1
42591	1	9	14	82	<.1	5	3	174	2.52	4	<5	<2	<2	24	.3	3	<2	50	.27	.138	12	11	.20	109	.06	<2	1.91	.01	.05	<1	1
42592	1	4	7	36	<.1	1	1	159	1.43	<2	<5	<2	<2	16	<.2	<2	<2	36	.20	.032	12	6	.09	63	.04	<2	1.28	.01	.04	1	1
42593	2	11	10	60	.1	21	9	312	4.37	4	<5	<2	<2	19	<.2	<2	<2	78	.24	.116	7	10	.40	113	.03	2	2.40	.01	.04	<1	1
42594	1	12	8	70	.1	9	7	859	3.18	4	<5	<2	<2	30	.2	<2	3	62	.33	.066	10	11	.26	119	.06	2	1.96	.01	.04	<1	<1
42595	1	12	11	71	.1	9	4	315	3.22	9	<5	<2	<2	20	<.2	<2	2	62	.28	.111	10	12	.28	82	.08	2	1.77	.01	.04	<1	<1
42596	1	9	8	35	.1	4	2	260	2.85	7	<5	<2	<2	34	<.2	<2	2	64	.35	.033	8	10	.20	107	.09	2	1.22	.01	.04	<1	1
RE 42596	1	8	9	33	.1	4	2	255	2.76	7	<5	<2	<2	33	<.2	<2	<2	62	.33	.032	8	9	.19	104	.09	2	1.18	.01	.04	<1	3
42597	1	6	12	49	.2	3	3	313	2.69	5	<5	<2	<2	21	<.2	2	2	58	.28	.088	8	9	.19	95	.10	2	1.21	.01	.05	1	1
42598	1	8	15	88	<.1	4	4	240	3.20	3	<5	<2	<2	18	<.2	<2	<2	60	.25	.159	12	14	.21	79	.10	2	2.72	.01	.05	<1	1
42599	1	7	8	69	.1	9	5	261	3.24	4	<5	<2	<2	26	<.2	<2	<2	59	.30	.070	8	11	.30	76	.08	2	1.77	.01	.05	<1	1
42600	1	9	9	57	.1	9	5	428	2.77	7	<5	<2	<2	25	<.2	<2	<2	56	.30	.054	8	12	.29	112	.07	2	1.75	.01	.06	<1	1
42601	2	27	7	92	.1	18	14	928	4.40	240	<5	<2	<2	48	<.2	<2	<2	79	.68	.110	17	17	.71	203	.01	<2	2.76	.01	.13	<1	13
42602	1	25	10	59	.1	5	10	946	3.49	651	<5	<2	<2	26	<.2	8	<2	58	.46	.099	13	9	.49	141	.01	2	2.38	.01	.08	<1	60
42603	1	10	13	49	<.1	4	4	296	2.54	37	<5	<2	<2	19	<.2	<2	<2	56	.28	.088	7	10	.26	57	.04	2	2.08	.01	.05	<1	4
42604	1	18	8	62	<.1	9	10	548	4.23	56	<5	<2	<2	37	<.2	<2	<2	74	.52	.079	10	13	.47	132	.05	2	2.67	.01	.07	<1	5
42605	1	17	9	45	<.1	9	6	319	3.06	16	<5	<2	<2	32	<.2	<2	<2	59	.38	.074	9	11	.39	90	.08	2	2.26	.01	.06	1	11
42606	2	16	13	100	<.1	13	13	2121	3.86	<2	<5	<2	<2	29	.3	<2	<2	75	.23	.218	14	8	.40	161	.05	2	2.57	.02	.05	<1	1
42607	1	14	11	55	.1	9	7	303	3.21	5	<5	<2	<2	26	<.2	2	<2	66	.29	.049	8	10	.41	116	.07	2	2.47	.01	.05	<1	<1
42608	1	14	9	72	.1	20	15	333	5.21	<2	<5	<2	<2	56	<.2	<2	<2	103	.23	.056	3	8	.53	293	.01	<2	3.57	.01	.04	1	<1
42609	1	16	6	105	.1	27	17	710	5.04	2	<5	<2	<2	36	<.2	<2	<2	90	.46	.087	5	8	.69	171	.01	<2	3.34	.01	.09	<1	1
42610	1	14	11	61	.2	10	6	325	3.92	27	<5	<2	<2	23	<.2	<2	<2	71	.24	.060	12	12	.43	112	.08	2	2.53	.01	.05	<1	2
42611	1	9	11	44	.1	5	3	313	2.64	9	<5	<2	<2	41	<.2	<2	<2	60	.48	.054	8	11	.32	84	.08	3	1.16	.01	.06	<1	1
42612	1	17	11	64	.1	9	6	306	4.07	22	<5	<2	<2	23	<.2	2	<2	74	.29	.113	9	14	.42	111	.06	2	2.34	.01	.05	<1	1
42613	1	7	7	52	.1	6	4	305	2.27	6	<5	<2	<2	22	<.2	<2	<2	49	.23	.025	8	9	.31	61	.07	<2	1.38	.01	.04	<1	1
42614	1	5	6	20	<.1	2	1	97	1.19	2	<5	<2	<2	18	<.2	<2	<2	37	.15	.012	8	5	.06	45	.05	<2	.68	.01	.02	1	1
STANDARD C/AU-S	18	59	39	128	6.8	72	29	1022	3.96	42	17	7	36	49	17.2	14	17	60	.50	.091	40	55	.89	187	.08	33	1.88	.07	.16	10	52

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42615	1	9	11	56	.1	6	4	625	2.66	5	<5	<2	<2	25	<.2	<2	<2	58	.25	.045	9	11	.25	85	.06	<2	1.24	.01	.04	<1	1
42616	2	7	32	100	<.1	6	3	6319	3.62	<2	<5	<2	<2	14	.8	<2	<2	33	.15	.176	61	10	.24	196	.07	2	2.93	.01	.06	1	1
42617	1	8	14	63	<.1	8	5	911	3.02	2	<5	<2	2	21	.3	<2	<2	56	.29	.087	14	14	.30	78	.07	<2	2.69	.01	.06	1	1
42618	1	8	13	68	<.1	8	5	849	2.99	3	<5	<2	2	21	.2	<2	<2	56	.31	.091	13	13	.30	78	.07	<2	2.71	.01	.07	<1	1
42619	<1	5	7	32	<.1	5	3	470	1.80	2	<5	<2	<2	17	<.2	2	<2	41	.22	.019	9	8	.19	68	.06	<2	1.29	.01	.04	1	2
42620	<1	4	15	91	<.1	6	3	1470	2.64	2	<5	<2	<2	25	.4	<2	<2	44	.32	.187	11	11	.19	103	.08	<2	1.69	.01	.05	<1	1
42621	1	5	14	66	.1	5	2	885	2.56	2	<5	<2	<2	14	.2	<2	<2	40	.22	.072	9	9	.19	111	.04	<2	1.69	.01	.06	<1	<1
42622	1	5	8	26	<.1	4	2	171	2.52	3	<5	<2	<2	16	.3	3	<2	58	.17	.025	7	10	.13	92	.06	<2	1.08	.01	.03	1	2
42623	1	4	9	49	.1	3	2	364	2.19	<2	<5	<2	<2	12	<.2	2	<2	46	.15	.033	9	10	.11	76	.06	<2	.93	.01	.05	1	1
RE 42623	1	4	8	52	<.1	3	2	391	2.29	<2	<5	<2	<2	12	.3	2	<2	47	.16	.035	10	11	.11	80	.06	<2	.99	.01	.05	<1	1
42624	<1	3	12	106	.1	3	2	1122	1.58	<2	<5	<2	<2	11	.2	<2	<2	30	.15	.045	16	9	.09	80	.04	<2	1.22	.01	.04	<1	<1
42625	<1	3	11	54	.1	3	2	325	1.55	<2	<5	<2	2	14	<.2	2	<2	33	.19	.031	12	8	.10	53	.09	<2	.96	.01	.04	<1	1
42626	<1	3	8	69	<.1	4	3	602	1.76	<2	<5	<2	<2	14	<.2	2	<2	35	.20	.048	10	9	.14	70	.06	<2	1.15	.01	.05	<1	<1
42627	<1	4	9	121	<.1	4	3	522	2.13	2	<5	<2	<2	18	.2	<2	3	40	.26	.090	10	10	.19	105	.08	2	1.31	.01	.06	<1	5
42628	<1	4	12	80	<.1	5	2	368	1.84	<2	<5	<2	<2	17	<.2	3	<2	36	.25	.039	11	8	.18	81	.05	<2	1.16	.01	.06	<1	1
42629	1	11	9	44	<.1	6	4	618	3.47	<2	<5	<2	<2	34	.3	<2	<2	84	.20	.095	7	10	.26	81	.06	<2	2.12	.01	.05	1	1
42630	1	11	10	60	<.1	9	7	643	3.62	6	<5	<2	2	62	.2	<2	<2	66	.59	.090	14	12	.49	135	.09	<2	1.85	.02	.07	<1	<1
42631	1	13	9	78	<.1	8	7	658	3.16	5	<5	<2	<2	80	.4	<2	<2	57	.65	.089	16	11	.42	166	.06	2	1.75	.02	.09	<1	21
42632	1	10	5	54	.1	6	5	427	2.59	5	<5	<2	<2	39	<.2	<2	<2	59	.33	.070	10	9	.32	89	.07	2	1.56	.01	.06	<1	1
42633	<1	13	8	61	.1	8	6	350	3.55	15	<5	<2	2	19	<.2	<2	<2	77	.18	.143	8	12	.34	76	.07	2	2.46	.01	.05	<1	2
42634	<1	11	7	63	.2	6	4	398	3.26	4	<5	<2	<2	33	<.2	<2	2	86	.20	.063	7	11	.25	81	.12	<2	1.47	.01	.05	<1	1
42635	<1	6	8	62	.3	4	3	252	3.26	6	<5	<2	<2	27	<.2	<2	<2	67	.22	.105	9	8	.19	146	.09	2	1.44	.01	.04	<1	1
42636	<1	14	14	179	.5	11	9	2320	4.07	<2	<5	<2	<2	98	.3	<2	<2	66	.78	.090	53	14	.64	838	.08	2	3.24	.02	.07	<1	1
42637	<1	17	14	97	.6	10	4	894	3.31	<2	<5	<2	<2	151	.2	<2	<2	54	1.28	.102	50	13	.50	600	.03	2	3.31	.02	.08	<1	1
42638	1	32	10	91	<.1	48	17	924	5.51	<2	<5	<2	<2	24	.2	<2	<2	96	.25	.128	12	49	.38	201	<.01	<2	2.50	.01	.11	<1	<1
42639	<1	6	8	41	.1	6	4	578	1.87	<2	<5	<2	<2	20	<.2	<2	<2	39	.27	.050	8	8	.19	92	.07	2	1.13	.01	.07	1	3
42640	1	7	9	38	.1	6	4	205	2.71	2	<5	<2	<2	22	<.2	<2	<2	60	.25	.061	7	10	.25	58	.09	<2	1.76	.01	.05	<1	1
42641	<1	6	6	36	<.1	5	3	161	1.81	<2	<5	<2	<2	21	<.2	<2	<2	47	.20	.034	8	9	.23	53	.09	2	1.23	.01	.03	1	1
42642	<1	9	9	67	<.1	7	5	551	3.73	5	<5	<2	<2	15	.3	<2	<2	76	.21	.156	9	15	.24	61	.12	<2	2.36	.01	.04	<1	1
42643	1	10	7	51	.1	6	3	361	1.69	<2	<5	<2	<2	86	.2	2	2	36	.69	.032	12	7	.16	129	.04	<2	1.31	.01	.06	1	1
42644	1	18	11	47	.1	13	8	1306	2.67	<2	<5	<2	<2	118	.2	<2	<2	60	.86	.049	27	12	.40	242	.05	<2	2.65	.02	.06	1	<1
42645	<1	10	8	31	<.1	7	3	193	1.62	<2	<5	<2	<2	37	<.2	<2	<2	42	.31	.021	8	7	.25	107	.08	2	1.42	.02	.04	<1	<1
42646	<1	5	3	26	<.1	1	1	391	.73	<2	<5	<2	<2	31	<.2	<2	<2	21	.29	.013	7	4	.05	90	.05	2	.45	.01	.04	<1	1
42647	1	8	9	53	.1	6	4	723	2.64	5	<5	<2	<2	30	<.2	<2	<2	56	.33	.036	9	9	.23	90	.06	<2	1.18	.01	.06	<1	<1
42648	1	18	8	73	<.1	23	14	1258	4.82	<2	<5	<2	<2	42	.3	<2	<2	76	.54	.077	10	12	.43	366	.01	<2	2.48	.01	.06	<1	<1
STANDARD C/AU-S	18	58	38	126	6.6	73	29	1038	3.96	40	16	6	36	48	17.5	14	17	62	.50	.089	39	56	.90	184	.08	33	1.88	.06	.14	11	49

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42649	3	29	12	55	.2	20	16	2534	3.48	7	<5	<2	2	93	1.1	2	2	66	.90	.039	16	37	.37	1223	<.01	2	2.65	.01	.09	2	5
42650	<1	8	9	55	<.1	7	7	626	2.63	5	<5	<2	<2	24	.7	2	<2	50	.31	.063	8	10	.19	232	.04	2	1.54	.02	.05	3	1
42651	1	12	9	58	<.1	5	5	277	2.60	12	<5	<2	<2	25	.4	2	<2	56	.26	.024	8	14	.24	116	.05	<2	1.36	.02	.04	1	<1
42652	<1	5	9	52	.1	3	2	169	1.36	3	<5	<2	<2	22	<.2	2	<2	32	.24	.033	9	9	.14	58	.06	<2	1.13	.02	.04	<1	<1
42653	2	6	48	252	.4	3	3	5847	2.45	5	<5	<2	4	45	.9	<2	<2	18	.38	.123	26	18	.16	443	.01	3	2.46	.01	.12	<1	<1
42654	<1	4	31	323	.2	3	3	2031	2.34	<2	<5	<2	2	38	.7	<2	<2	23	.41	.199	21	17	.16	375	.02	3	1.85	.01	.15	<1	<1
42655	1	4	10	89	<.1	3	3	294	1.42	<2	<5	<2	3	23	<.2	3	<2	30	.28	.013	18	8	.23	64	.07	4	1.16	.01	.03	<1	<1
42656	2	6	10	190	.2	5	4	1681	1.93	10	<5	<2	2	19	.3	2	2	36	.24	.115	13	10	.19	161	.06	4	1.66	.02	.08	<1	<1
42657	1	4	24	233	.1	3	3	3847	1.65	5	<5	<2	4	11	.2	<2	<2	20	.16	.070	23	7	.13	153	.02	2	2.01	.01	.08	<1	<1
42658	<1	3	9	53	.1	1	1	214	.54	2	<5	<2	6	42	<.2	<2	<2	7	.36	.022	43	4	.07	132	<.01	<2	.97	.01	.12	<1	<1
42659	<1	4	11	86	<.1	3	3	219	1.94	14	<5	<2	2	17	<.2	2	<2	35	.19	.045	14	7	.16	78	.02	<2	1.72	.01	.08	1	1
42660	1	6	56	233	.4	1	1	4368	1.58	4	<5	<2	6	15	.8	2	<2	5	.15	.056	36	10	.10	288	<.01	<2	2.16	.02	.20	1	<1
42661	<1	7	12	47	<.1	4	4	428	1.83	4	<5	<2	2	33	<.2	<2	3	38	.29	.017	14	11	.31	102	.06	3	1.27	.01	.04	<1	1
42662	<1	8	8	63	<.1	6	5	568	1.92	11	<5	<2	<2	37	<.2	3	<2	42	.38	.038	10	9	.26	90	.07	4	1.40	.01	.06	1	<1
42663	<1	7	9	75	<.1	5	4	262	2.94	11	<5	<2	<2	31	<.2	2	<2	64	.31	.075	8	14	.26	79	.06	3	1.82	.02	.07	<1	23
42664	2	5	21	244	.3	3	5	3477	2.51	3	<5	<2	3	13	<.2	4	<2	36	.18	.096	18	7	.21	188	.01	3	3.01	.01	.09	<1	<1
42665	1	23	11	82	.2	13	10	365	4.13	35	<5	<2	2	34	<.2	2	<2	91	.33	.138	8	17	.64	137	.12	2	3.16	.01	.07	<1	1
42666	<1	6	9	41	<.1	2	2	182	1.86	7	<5	<2	<2	21	.2	<2	<2	45	.18	.029	9	8	.10	84	.03	<2	1.03	.01	.05	1	3
42667	<1	7	9	63	.2	6	4	320	2.82	19	<5	<2	<2	17	<.2	<2	<2	53	.18	.049	9	13	.27	81	.05	<2	1.47	.01	.05	1	1
42668	<1	7	12	46	<.1	4	5	380	2.68	18	<5	<2	<2	23	<.2	2	<2	52	.22	.023	8	10	.20	84	.03	<2	1.14	.01	.05	2	5
42669	1	9	12	90	<.1	6	6	2166	2.89	14	<5	<2	<2	29	.2	<2	<2	54	.34	.075	9	14	.24	218	.05	2	1.76	.01	.08	<1	1
42670	<1	2	8	25	.2	1	2	136	.74	<2	<5	<2	2	18	<.2	<2	<2	19	.16	.011	11	5	.09	79	.03	4	.83	.01	.05	1	1
RE 42670	<1	<1	8	26	.2	1	1	130	.71	2	<5	<2	3	17	<.2	<2	<2	18	.16	.010	11	5	.09	79	.03	5	.81	.01	.05	1	1
42671	<1	4	9	37	.1	2	2	220	1.72	14	<5	<2	2	15	<.2	<2	<2	41	.16	.018	9	8	.12	55	.04	<2	1.10	.01	.04	1	<1
42672	<1	4	12	57	<.1	3	5	739	2.03	20	<5	<2	2	18	<.2	2	<2	41	.17	.038	9	8	.15	91	.03	2	1.27	.01	.11	2	1
42673	1	21	10	50	.2	7	7	547	2.73	17	<5	<2	<2	30	<.2	<2	<2	56	.33	.072	21	12	.49	134	.03	<2	2.24	.01	.09	1	1
42674	1	10	13	61	.2	7	5	231	2.56	14	<5	<2	<2	12	<.2	<2	2	57	.15	.073	8	14	.28	84	.05	<2	2.35	.01	.05	<1	3
42675	1	28	10	51	.1	8	8	363	3.57	20	<5	<2	<2	72	<.2	<2	3	86	.51	.056	8	13	.52	95	.18	<2	2.29	.02	.06	2	2
42676	1	41	9	72	.2	14	11	944	4.66	14	<5	<2	<2	19	<.2	<2	4	96	.24	.123	7	22	.79	172	.18	<2	3.23	.02	.06	<1	1
42677	<1	19	11	63	.2	8	8	377	3.84	15	<5	<2	2	25	<.2	2	4	81	.18	.107	7	17	.46	79	.13	<2	3.46	.01	.06	<1	1
42678	1	20	12	84	.1	9	9	553	3.88	17	<5	<2	<2	28	<.2	<2	2	83	.18	.179	6	16	.46	66	.16	<2	3.84	.02	.07	<1	1
42679	<1	17	10	46	.1	6	7	239	3.06	23	<5	<2	<2	36	<.2	<2	3	75	.28	.061	12	13	.32	70	.13	<2	3.20	.02	.04	<1	2
42680	<1	12	9	52	.1	6	6	318	2.64	27	<5	<2	<2	54	<.2	<2	2	67	.36	.048	8	13	.35	130	.08	<2	1.92	.02	.07	1	3
42681	<1	7	8	37	.2	4	4	392	2.35	12	<5	<2	<2	12	<.2	<2	2	54	.13	.070	7	11	.17	57	.09	<2	1.76	.01	.04	1	1
42682	<1	64	10	88	.2	38	26	1617	7.12	49	<5	<2	<2	30	<.2	2	2	140	.19	.245	5	44	2.84	185	.09	<2	4.63	.02	.06	<1	1
STANDARD C/AU-S	17	57	37	128	6.7	68	29	1011	3.96	42	17	6	35	49	17.5	14	20	60	.49	.088	38	55	.88	180	.08	37	1.88	.05	.14	11	52

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42683	1	15	7	46	<.1	9	7	527	3.21	5	<5	<2	2	49	<.2	<2	<2	74	.38	.048	9	13	.51	140	.12	2	1.96	.02	.05	1	2
42684	1	14	11	38	<.1	6	3	233	2.83	4	<5	<2	<2	25	<.2	<2	3	58	.25	.178	10	10	.25	103	.05	2	2.41	.01	.07	1	1
42685	<1	6	4	38	<.1	6	6	135	3.40	<2	<5	<2	<2	19	<.2	<2	2	109	.17	.037	5	10	.33	97	.05	2	1.36	.01	.10	<1	<1
42686	1	15	11	55	.1	7	5	243	3.54	5	<5	<2	2	23	.2	<2	<2	78	.22	.078	9	12	.24	102	.11	<2	2.05	.02	.05	<1	<1
42687	1	14	9	60	<.1	8	5	211	3.88	9	<5	<2	<2	19	<.2	<2	<2	83	.21	.210	9	14	.30	91	.11	2	2.68	.01	.05	<1	1
42688	1	12	7	47	.1	7	3	229	3.85	3	<5	<2	<2	29	.3	<2	<2	95	.26	.109	7	23	.24	133	.16	3	1.18	.02	.05	1	<1
42689	1	11	9	96	<.1	7	5	247	3.07	6	<5	<2	<2	32	<.2	<2	2	67	.36	.201	9	12	.29	122	.10	2	1.89	.01	.05	<1	<1
42690	2	28	6	88	<.1	52	15	419	5.65	<2	<5	<2	<2	18	<.2	<2	3	112	.18	.086	10	56	.36	263	<.01	<2	2.85	.01	.06	<1	<1
42691	1	11	10	77	.2	9	5	236	4.06	10	<5	<2	2	15	<.2	<2	2	77	.17	.181	10	13	.29	96	.07	<2	2.57	.01	.05	<1	1
42692	1	7	8	27	.1	5	3	129	2.21	5	<5	<2	<2	28	.2	2	<2	54	.28	.027	7	9	.18	62	.07	2	1.54	.01	.04	<1	1
42693	<1	4	4	38	<.1	3	2	145	1.89	<2	<5	<2	<2	10	<.2	<2	<2	49	.12	.035	7	6	.16	37	.02	<2	1.60	.01	.06	1	<1
42694	1	14	5	52	<.1	4	5	521	3.58	<2	<5	<2	<2	22	<.2	<2	4	77	.32	.025	9	6	.47	135	<.01	<2	2.11	.01	.13	<1	<1
42695	1	12	6	37	.2	7	5	245	4.02	6	<5	<2	<2	32	<.2	<2	<2	92	.30	.030	8	10	.33	60	.09	2	2.38	.01	.04	<1	2
42696	1	9	6	41	.2	4	3	179	4.26	3	<5	<2	<2	14	<.2	<2	<2	81	.12	.084	8	8	.21	62	.01	<2	2.31	.01	.04	<1	<1
42697	1	8	7	54	.1	7	5	384	2.11	5	<5	<2	<2	40	<.2	<2	<2	58	.40	.022	7	10	.33	62	.13	2	1.28	.01	.03	<1	2
42698	1	11	6	27	<.1	4	2	116	1.90	5	<5	<2	<2	23	<.2	2	<2	51	.14	.017	7	9	.13	91	.08	2	1.26	.01	.03	<1	<1
42699	1	8	5	41	<.1	4	4	346	1.79	2	<5	<2	<2	55	<.2	<2	<2	46	.69	.023	9	7	.28	98	.04	<2	1.42	.01	.03	<1	<1
42700	2	83	9	74	1.1	10	10	1942	4.56	12	<5	<2	<2	125	.9	<2	<2	95	1.55	.239	91	21	.41	90	.06	3	4.77	.02	.04	<1	4
RE 42700	2	85	8	76	1.2	11	10	1971	4.70	11	<5	<2	<2	129	.8	<2	<2	99	1.58	.241	95	22	.41	93	.06	3	4.93	.02	.05	<1	3
42701	1	19	8	63	.2	13	8	429	3.42	2	<5	<2	2	31	<.2	<2	3	69	.32	.107	13	11	.44	166	.11	<2	2.73	.01	.06	<1	21
42702	1	12	9	54	<.1	7	5	405	4.11	6	<5	<2	<2	21	.5	<2	<2	84	.20	.101	9	12	.26	95	.10	2	1.85	.01	.05	1	1
42703	1	10	4	68	<.1	10	7	288	3.78	<2	<5	<2	<2	24	.5	<2	<2	82	.26	.052	8	10	.38	105	.05	<2	2.14	.01	.06	<1	1
42704	<1	18	4	54	<.1	17	9	304	3.98	4	<5	<2	2	30	.2	<2	<2	82	.30	.076	10	12	.48	151	.07	<2	2.82	.01	.05	1	1
42705	<1	11	8	30	.1	6	5	232	1.89	2	<5	<2	<2	48	<.2	2	<2	47	.50	.029	9	7	.18	100	.10	<2	1.22	.02	.04	<1	1
42706	1	7	6	42	.1	9	5	220	2.61	4	<5	<2	<2	20	<.2	<2	2	54	.25	.079	10	10	.25	74	.10	<2	2.07	.01	.05	1	1
42707	<1	12	6	46	.1	9	5	419	2.39	3	<5	<2	<2	51	<.2	<2	<2	52	.55	.036	16	11	.44	94	.12	<2	2.07	.02	.05	<1	1
42708	1	6	7	32	.1	7	3	210	2.63	2	<5	<2	2	24	<.2	<2	<2	62	.24	.031	11	11	.22	54	.12	<2	1.70	.02	.04	<1	1
42709	1	7	7	41	.1	5	3	271	1.95	3	<5	<2	<2	30	<.2	<2	<2	48	.28	.034	10	8	.21	92	.09	<2	1.39	.02	.05	<1	2
42710	1	8	8	76	.2	8	4	214	3.68	7	<5	<2	2	19	<.2	<2	2	66	.20	.154	11	12	.29	75	.09	2	2.61	.01	.06	<1	<1
42711	<1	12	9	57	.1	9	4	342	2.76	11	<5	<2	2	25	<.2	<2	<2	53	.24	.085	11	10	.33	74	.07	<2	1.92	.01	.05	<1	1
42712	2	3	16	96	.1	3	1	320	1.85	3	<5	<2	<2	10	<.2	<2	3	11	.15	.158	20	2	.29	106	<.01	<2	3.41	.01	.11	<1	<1
42713	1	8	8	46	<.1	7	4	233	2.83	5	<5	<2	2	19	<.2	2	<2	56	.21	.050	8	10	.24	73	.09	<2	1.95	.01	.04	<1	1
42714	1	9	12	76	.1	6	4	386	2.87	4	<5	<2	2	14	<.2	<2	<2	54	.18	.142	14	11	.23	83	.10	<2	2.12	.01	.05	<1	2
42715	1	7	13	84	.2	7	4	597	3.00	5	<5	<2	<2	14	.3	2	<2	48	.16	.134	14	11	.30	63	.09	<2	2.34	.01	.06	<1	1
42716	1	8	10	72	.3	5	3	501	2.38	8	<5	<2	<2	16	<.2	<2	<2	43	.19	.101	9	8	.21	97	.06	<2	1.42	.01	.06	<1	<1
STANDARD C/AU-S	20	62	39	129	7.3	73	32	1074	4.09	43	17	7	36	53	19.1	14	19	61	.51	.093	40	59	.92	186	.09	34	1.94	.06	.16	11	54

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42717	1	16	9	53	<.1	8	5	382	3.44	21	<5	<2	<2	22	<.2	<2	3	67	.25	.095	11	12	.37	78	.06	<2	1.57	.01	.05	1	1
42718	1	10	5	50	.1	5	3	389	2.07	8	<5	<2	<2	19	.2	2	<2	47	.17	.024	11	9	.24	69	.08	<2	1.16	.01	.03	<1	<1
42719	<1	6	6	30	<.1	6	4	195	1.62	5	<5	<2	2	23	<.2	2	<2	36	.24	.004	14	9	.36	100	.04	<2	1.55	.02	.04	1	1
42720	<1	5	7	41	<.1	7	3	245	2.13	5	<5	<2	<2	25	<.2	2	<2	47	.31	.024	9	9	.24	96	.09	2	1.26	.01	.05	2	1
42721	2	5	10	62	<.1	7	3	358	2.95	5	<5	<2	2	13	.3	<2	3	45	.17	.075	11	11	.28	99	.08	2	2.33	.01	.06	<1	1
42722	<1	4	8	100	.1	6	3	411	2.13	4	<5	<2	<2	17	<.2	<2	<2	36	.21	.067	12	8	.22	105	.07	2	1.60	.01	.06	<1	1
42723	1	6	8	94	<.1	7	4	292	2.39	7	<5	<2	<2	16	<.2	<2	<2	46	.21	.069	9	10	.21	72	.09	<2	1.59	.01	.05	<1	7
42724	1	5	11	54	.1	4	2	221	2.81	8	<5	<2	<2	12	<.2	<2	2	51	.14	.081	10	9	.19	56	.07	<2	1.51	.01	.04	<1	<1
42725	1	5	10	162	.2	6	3	303	3.00	3	<5	<2	2	11	<.2	<2	<2	47	.17	.212	12	11	.25	98	.09	<2	2.41	.01	.04	<1	1
42726	1	6	10	86	.1	5	4	793	2.79	7	<5	<2	<2	14	<.2	2	<2	51	.23	.128	11	10	.16	83	.06	2	1.51	.01	.05	<1	2
42727	1	7	11	99	.1	5	3	244	2.92	9	<5	<2	<2	22	<.2	<2	<2	54	.20	.052	11	9	.23	79	.08	<2	1.25	.01	.04	<1	<1
42728	2	6	10	110	<.1	4	3	2021	1.77	7	<5	<2	<2	30	<.2	2	<2	28	.31	.043	27	7	.16	131	.03	<2	1.23	.01	.05	1	1
42729	1	6	10	70	<.1	5	3	306	2.25	7	<5	<2	<2	19	<.2	2	<2	45	.20	.032	22	10	.23	77	.08	<2	1.41	.01	.05	<1	<1
42730	<1	5	13	77	.1	4	2	375	2.74	7	<5	<2	<2	15	<.2	2	<2	40	.19	.166	12	8	.22	95	.03	2	1.45	.01	.06	<1	7
42731	1	7	13	83	.2	6	4	346	3.78	11	<5	<2	2	12	<.2	<2	<2	65	.15	.123	9	11	.25	74	.07	<2	2.21	.01	.03	<1	<1
42732	1	6	12	86	.1	5	3	623	2.78	5	<5	<2	<2	18	<.2	<2	<2	51	.21	.118	10	10	.19	69	.07	<2	1.41	.01	.05	<1	<1
42733	1	5	10	89	.1	5	3	261	1.72	4	<5	<2	2	16	<.2	<2	<2	30	.19	.105	16	7	.21	208	.05	2	1.60	.01	.06	<1	<1
42734	2	3	16	123	<.1	3	2	261	1.95	11	<5	<2	<2	12	<.2	2	<2	28	.14	.072	15	6	.16	126	.02	<2	1.25	.01	.07	<1	10
42735	1	6	8	108	.2	6	3	263	2.40	17	<5	<2	2	17	<.2	<2	<2	46	.24	.035	16	10	.23	160	.07	2	1.49	.01	.05	<1	1
RE 42735	1	5	9	107	.1	6	3	261	2.41	17	<5	<2	2	17	<.2	2	<2	46	.24	.035	16	10	.22	161	.07	<2	1.50	.01	.04	<1	<1
42736	<1	5	8	79	.1	7	3	243	2.15	6	<5	<2	2	23	<.2	<2	<2	45	.29	.035	11	9	.24	107	.09	<2	1.31	.01	.05	<1	<1
42737	<1	7	8	43	<.1	5	3	484	2.09	4	<5	<2	<2	18	<.2	<2	<2	46	.20	.037	9	9	.22	109	.08	<2	1.23	.01	.03	1	<1
42738	1	13	12	84	<.1	5	5	2770	2.65	5	<5	<2	<2	17	.2	<2	<2	47	.18	.088	12	9	.17	130	.05	2	1.41	.01	.05	<1	<1
42739	1	6	10	42	<.1	6	3	398	2.38	5	<5	<2	2	12	<.2	<2	<2	46	.15	.048	9	9	.23	83	.07	<2	1.49	.01	.04	1	<1
42740	1	8	11	66	<.1	6	7	495	4.01	4	<5	<2	2	15	.5	<2	<2	73	.17	.046	9	15	.22	76	.10	<2	2.09	.01	.04	<1	3
42741	1	11	10	45	<.1	8	4	346	2.99	8	<5	<2	2	17	.3	<2	<2	55	.20	.051	10	13	.28	85	.09	<2	1.53	.01	.04	<1	1
42742	1	6	15	123	.1	6	3	777	3.60	<2	<5	<2	<2	13	.5	<2	2	47	.18	.258	12	14	.27	96	.11	<2	2.29	.01	.06	<1	<1
42743	1	5	12	49	<.1	4	3	382	2.49	2	<5	<2	<2	14	.3	<2	<2	43	.19	.084	9	9	.18	62	.07	<2	1.69	.01	.04	<1	1
42744	1	11	18	130	.3	9	4	1190	3.93	<2	5	<2	2	21	.8	<2	<2	44	.27	.249	42	16	.32	378	.08	<2	4.76	.01	.06	<1	1
42745	1	8	11	65	.1	7	3	304	2.83	<2	<5	<2	2	18	.2	<2	<2	47	.24	.070	14	13	.23	109	.10	<2	2.41	.01	.05	<1	6
42746	1	7	13	107	.1	8	4	321	3.31	5	<5	<2	2	11	.2	<2	<2	55	.16	.070	12	13	.25	74	.07	<2	2.59	.01	.05	<1	<1
42747	<1	14	14	77	<.1	10	5	462	3.03	4	<5	<2	2	16	<.2	<2	<2	52	.22	.094	13	13	.38	109	.08	<2	2.73	.01	.05	<1	1
42748	1	6	9	97	.1	5	3	380	1.79	<2	<5	<2	<2	19	<.2	2	<2	38	.25	.042	10	9	.23	70	.09	2	1.39	.01	.05	<1	<1
42749	1	8	11	59	.2	6	4	460	2.47	4	<5	<2	2	14	<.2	<2	<2	48	.18	.072	11	10	.22	68	.06	<2	1.51	.01	.04	<1	1
42750	1	7	9	89	<.1	7	4	221	2.55	2	<5	<2	<2	17	<.2	<2	<2	47	.23	.081	10	10	.28	63	.09	2	2.07	.01	.05	<1	<1
STANDARD C/AU-S	18	56	37	128	6.9	73	30	1032	3.96	43	16	7	36	49	16.8	14	17	63	.50	.091	40	54	.90	184	.08	33	1.88	.06	.15	11	49

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42751	1	8	9	69	<.1	8	6	267	3.53	18	<5	<2	2	18	<.2	2	4	72	.21	.146	8	13	.24	97	.07	2	1.88	.01	.03	3	1
42752	1	11	5	61	.3	13	8	283	3.68	7	5	<2	2	21	<.2	<2	<2	71	.27	.066	8	13	.34	119	.06	<2	2.01	.01	.03	1	5
42753	2	26	6	39	.7	5	4	2353	.88	13	<5	<2	<2	487	.5	<2	<2	17	3.17	.311	79	6	.14	166	.01	4	1.48	.02	.04	2	3
42754	1	14	9	75	<.1	9	7	530	3.95	22	<5	<2	<2	77	<.2	<2	3	77	.56	.092	11	14	.33	162	.07	2	1.77	.01	.05	1	1
42755	1	10	12	146	.5	7	10	2523	3.86	14	<5	<2	2	29	.2	<2	5	80	.30	.128	9	16	.23	243	.06	<2	1.53	.01	.06	<1	1
42756	1	10	7	88	.2	9	7	478	4.18	27	<5	<2	<2	26	<.2	<2	3	81	.26	.139	9	16	.32	136	.06	<2	1.95	.01	.04	1	1
42757	1	5	9	62	<.1	5	4	247	2.24	12	<5	<2	<2	26	<.2	<2	<2	50	.27	.047	7	10	.19	73	.07	<2	1.35	.01	.02	1	1
42758	1	9	8	60	.1	8	7	262	4.54	13	<5	<2	2	24	<.2	<2	2	90	.19	.076	9	12	.26	102	.08	<2	2.25	.01	.04	<1	1
42759	1	10	9	62	.3	6	4	203	3.68	21	<5	<2	<2	26	<.2	2	2	79	.18	.072	8	12	.21	80	.07	<2	1.59	.01	.03	2	2
42760	1	21	12	80	<.1	10	6	440	3.05	12	<5	<2	<2	44	<.2	4	<2	61	.34	.040	19	14	.37	134	.05	3	2.43	.02	.06	3	3
42761	1	24	10	77	.1	12	7	345	3.30	9	<5	<2	2	21	<.2	<2	2	67	.27	.139	14	14	.32	71	.08	<2	2.49	.02	.04	1	1
42762	1	28	10	61	.1	12	7	553	2.75	9	<5	<2	<2	109	<.2	3	<2	57	.65	.037	37	13	.37	290	.07	<2	2.66	.02	.04	4	1
42763	1	11	14	103	<.1	7	6	348	4.12	11	<5	<2	3	28	<.2	<2	<2	76	.26	.250	18	13	.27	165	.05	<2	2.27	.01	.05	3	2
42764	1	15	11	88	.1	10	8	337	4.14	16	<5	<2	<2	33	<.2	2	3	77	.30	.216	13	13	.31	117	.08	2	2.55	.01	.05	<1	1
42765	<1	5	9	111	<.1	5	4	288	2.17	2	<5	<2	<2	49	<.2	<2	<2	47	.35	.054	16	8	.22	153	.09	<2	1.45	.02	.03	<1	<1
42766	<1	11	12	63	<.1	9	8	556	3.44	7	<5	<2	3	19	<.2	<2	<2	72	.22	.093	16	14	.31	91	.08	<2	2.25	.01	.04	1	1
42767	<1	10	14	97	.2	9	7	620	3.43	7	<5	<2	3	18	<.2	<2	<2	66	.19	.228	12	12	.28	81	.08	<2	2.95	.01	.04	1	1
42768	1	10	12	68	.2	8	7	428	3.63	10	<5	<2	3	17	<.2	<2	2	64	.15	.194	10	12	.27	91	.08	<2	3.04	.01	.04	1	1
RE 42768	1	10	11	69	.1	8	7	436	3.69	11	<5	<2	4	18	<.2	2	<2	64	.15	.197	9	11	.28	92	.08	<2	3.09	.01	.04	3	<1
42769	1	16	8	69	<.1	21	8	237	3.37	4	<5	<2	<2	31	<.2	<2	<2	81	.28	.121	11	37	.19	160	.01	<2	2.84	.01	.09	2	<1
42770	<1	6	12	124	.3	6	6	376	3.06	3	<5	<2	3	18	<.2	<2	<2	59	.21	.239	16	9	.19	91	.04	<2	2.65	.01	.07	<1	<1
42771	<1	6	11	54	<.1	5	4	445	2.59	5	<5	<2	<2	29	<.2	<2	3	60	.28	.067	11	9	.17	114	.07	<2	1.59	.01	.05	1	<1
42772	1	10	15	56	.1	7	6	255	4.58	10	<5	<2	3	24	<.2	2	5	79	.19	.191	14	12	.24	82	.07	<2	2.60	.01	.04	1	1
42773	1	11	13	81	<.1	6	6	486	3.53	6	<5	<2	<2	27	<.2	<2	<2	70	.20	.111	12	13	.21	97	.05	<2	1.80	.01	.04	1	<1
42774	1	7	13	127	.2	8	6	416	3.72	7	<5	<2	2	24	<.2	<2	<2	62	.25	.266	11	11	.26	112	.06	<2	2.38	.01	.06	2	<1
42775	1	12	11	97	<.1	10	8	379	3.82	9	<5	<2	<2	21	<.2	<2	<2	74	.19	.180	11	13	.31	105	.05	2	2.76	.01	.04	3	1
42776	1	8	11	133	<.1	6	5	422	4.09	7	<5	<2	<2	16	<.2	<2	<2	67	.20	.212	11	11	.20	106	.07	<2	2.33	.01	.04	1	1
42777	1	14	9	105	.1	10	7	288	4.05	9	<5	<2	<2	28	<.2	<2	2	74	.22	.148	10	13	.27	111	.08	2	2.78	.01	.04	1	<1
42778	1	12	12	136	.3	7	7	284	5.03	10	6	<2	3	21	<.2	<2	5	98	.17	.217	11	15	.25	118	.10	<2	2.65	.01	.06	1	1
42779	<1	11	29	228	.3	7	10	948	6.50	4	<5	<2	5	35	<.2	<2	2	78	.36	.317	34	8	.30	337	.03	<2	2.64	.01	.14	2	<1
42780	1	4	14	100	<.1	3	6	262	5.04	7	<5	<2	3	20	<.2	2	6	65	.13	.070	29	6	.19	141	.01	2	2.03	.01	.04	2	3
42781	<1	15	13	169	.2	10	10	1704	4.44	7	<5	<2	<2	40	<.2	<2	6	89	.35	.313	11	17	.34	245	.08	3	2.07	.01	.06	<1	1
42782	1	19	8	118	<.1	14	9	622	4.03	9	<5	<2	<2	71	<.2	3	6	82	.54	.057	11	17	.71	189	.13	2	2.32	.02	.05	3	2
42783	<1	33	12	81	.1	14	10	1278	3.46	6	<5	<2	2	51	<.2	<2	<2	69	.44	.117	14	12	.37	148	.08	<2	2.40	.01	.09	<1	<1
42784	1	55	8	165	<.1	18	10	386	3.80	5	<5	<2	<2	18	<.2	3	<2	81	.28	.232	22	12	.39	143	.02	<2	3.81	.01	.11	4	<1
STANDARD C/AU-S	19	57	37	122	6.6	73	31	1037	3.96	41	24	8	36	51	16.7	15	19	61	.51	.090	40	58	.91	188	.08	38	1.88	.06	.15	14	51

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42785	<1	14	3	40	<.1	9	6	295	2.34	12	<5	<2	2	39	<.2	<2	<2	46	.40	.043	15	10	.30	191	.06	2	1.52	.02	.07	<1	4
42786	1	10	8	71	.2	7	7	1361	3.01	15	<5	<2	<2	23	<.2	<2	<2	66	.23	.036	9	12	.20	127	.05	<2	1.46	.02	.03	<1	<1
42787	1	49	12	84	1.2	15	11	1384	3.67	12	<5	<2	<2	168	.3	2	<2	63	.98	.094	68	19	.38	410	.02	<2	4.55	.01	.17	4	4
42788	<1	11	5	35	.3	7	6	271	2.73	7	<5	<2	<2	42	<.2	<2	2	63	.51	.028	13	9	.20	173	.04	<2	1.64	.02	.03	<1	15
42789	1	14	11	97	.1	24	14	1655	3.79	5	<5	<2	<2	23	<.2	<2	<2	78	.39	.085	7	10	.61	360	.01	<2	2.91	.01	.16	<1	<1
RE 42789	2	15	10	101	.2	25	15	1742	3.96	7	<5	<2	<2	24	<.2	<2	<2	81	.41	.089	8	11	.64	377	.01	<2	3.02	.01	.16	<1	<1
42790	1	5	10	66	<.1	4	3	326	2.27	7	<5	<2	<2	18	<.2	2	<2	44	.24	.046	10	8	.12	108	.07	<2	.98	.02	.05	<1	<1
42791	1	6	12	56	<.1	4	3	301	2.60	7	<5	<2	<2	21	<.2	3	<2	44	.30	.073	12	9	.14	94	.05	<2	1.23	.01	.03	<1	<1
42792	<1	6	11	90	.2	6	5	342	3.61	10	<5	<2	<2	24	<.2	2	<2	55	.36	.304	9	11	.21	401	.04	<2	1.72	.02	.06	<1	<1
42793	<1	5	9	66	.2	6	5	239	2.37	13	<5	<2	2	30	<.2	<2	<2	42	.28	.088	10	10	.17	138	.06	<2	1.61	.02	.05	<1	2
42794	<1	6	8	69	.1	6	4	319	2.93	6	<5	<2	2	25	<.2	<2	<2	57	.31	.085	8	12	.16	129	.09	<2	1.32	.02	.04	<1	2
42795	1	6	5	103	.3	5	4	460	2.49	7	<5	<2	<2	18	<.2	2	2	49	.21	.055	10	10	.13	246	.06	<2	1.23	.01	.05	<1	<1
42796	<1	1	6	31	.1	1	1	138	.41	2	<5	<2	3	9	<.2	<2	<2	8	.15	.015	31	2	.03	210	.01	<2	.66	.01	.09	<1	2
42797	1	8	9	30	<.1	3	3	177	2.51	6	<5	<2	<2	11	<.2	3	<2	54	.10	.051	5	8	.10	42	.06	<2	1.38	.01	.02	<1	1
42798	1	18	7	59	.1	8	7	554	4.53	34	<5	<2	2	14	<.2	<2	<2	80	.17	.186	6	15	.25	60	.11	<2	2.80	.01	.03	<1	<1
42799	1	33	9	61	<.1	10	11	410	4.24	16	<5	<2	2	22	<.2	<2	<2	79	.22	.066	8	15	.57	76	.07	<2	2.54	.01	.03	<1	1
42800	1	11	8	38	<.1	5	4	127	2.22	8	5	<2	<2	12	<.2	<2	<2	46	.14	.046	6	10	.14	66	.06	2	1.94	.02	.02	<1	2
42801	1	14	5	47	<.1	5	4	207	3.06	7	<5	<2	<2	13	<.2	2	<2	57	.15	.116	6	10	.17	50	.06	<2	1.82	.01	.03	<1	1
42802	<1	9	6	58	.2	6	6	292	2.13	2	<5	<2	<2	45	<.2	<2	<2	45	.56	.069	9	9	.28	103	.01	<2	1.90	.01	.05	<1	<1
42803	2	31	10	52	<.1	10	13	553	3.77	10	<5	<2	<2	374	<.2	2	<2	76	.31	.055	7	10	.61	426	.05	<2	5.49	.01	.05	<1	<1
42804	1	16	9	38	<.1	9	8	244	3.17	7	<5	<2	<2	61	<.2	<2	<2	81	.50	.035	8	11	.57	110	.10	<2	2.33	.03	.03	<1	<1
42805	1	25	7	60	<.1	19	16	385	4.01	8	<5	<2	2	38	<.2	<2	<2	110	.36	.075	5	16	1.11	124	.20	<2	3.74	.02	.03	<1	1
42806	<1	13	6	46	<.1	7	5	200	2.68	5	<5	<2	<2	20	<.2	<2	<2	64	.23	.064	6	10	.18	89	.06	<2	1.43	.02	.03	<1	1
42807	1	8	2	64	.1	19	7	305	3.19	5	<5	<2	2	13	<.2	<2	<2	55	.21	.092	5	19	.23	108	.01	<2	2.62	.01	.06	<1	<1
42808	1	18	8	38	<.1	7	5	186	2.81	27	<5	<2	<2	20	<.2	<2	<2	60	.20	.066	6	13	.21	64	.07	<2	1.82	.01	.02	<1	3
42809	1	7	9	33	<.1	3	3	156	1.87	4	<5	<2	<2	16	<.2	<2	<2	49	.17	.044	6	8	.12	47	.09	<2	1.44	.02	.03	<1	1
42810	2	15	13	60	<.1	9	9	343	4.90	44	<5	<2	<2	35	<.2	2	2	85	.33	.123	6	14	.25	145	.07	2	2.79	.01	.04	<1	3
42811	1	18	6	45	<.1	9	8	262	3.61	15	<5	<2	2	17	<.2	3	<2	67	.16	.117	5	15	.27	71	.09	2	3.02	.01	.03	1	2
42812	1	13	8	67	<.1	8	7	296	3.04	11	<5	<2	<2	15	<.2	<2	<2	54	.17	.096	7	14	.25	91	.06	<2	2.66	.01	.05	<1	1
42813	1	13	6	65	<.1	8	7	214	2.84	13	<5	<2	<2	18	<.2	<2	<2	54	.23	.047	7	13	.25	124	.08	<2	2.44	.01	.04	<1	1
42814	<1	18	11	65	.1	12	8	227	4.03	24	<5	<2	<2	13	<.2	3	2	69	.14	.125	6	15	.26	81	.05	<2	2.81	.01	.04	1	4
42815	1	10	10	68	<.1	10	7	230	4.26	74	<5	<2	<2	11	<.2	<2	<2	82	.16	.132	6	18	.25	91	.02	<2	2.83	.01	.03	<1	4
42816	1	3	16	148	<.1	7	6	1399	2.88	21	<5	<2	<2	16	<.2	<2	<2	43	.17	.133	16	10	.19	234	.03	<2	2.88	.01	.06	<1	2
42817	<1	2	9	114	<.1	2	2	969	.90	4	<5	<2	3	14	<.2	<2	<2	13	.16	.033	26	4	.07	178	<.01	<2	1.80	.01	.07	<1	<1
42818	<1	2	9	40	<.1	3	2	376	1.09	13	<5	<2	2	51	<.2	<2	<2	19	.33	.015	22	5	.11	194	.01	<2	1.52	.01	.06	1	2
STANDARD C/AU-S	19	58	37	127	6.6	75	32	1026	4.27	41	16	6	34	50	16.7	14	23	60	.50	.092	41	54	.90	183	.07	33	1.93	.06	.16	13	48

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42819	<1	7	6	38	<.1	4	3	214	1.82	16	<5	<2	<2	33	<.2	<2	<2	38	.31	.033	10	8	.29	81	.06	2	1.10	.01	.04	1	2
42820	1	18	8	64	.1	9	5	699	2.54	58	<5	<2	<2	85	<.2	2	5	45	.67	.042	26	13	.44	233	.02	<2	2.56	.01	.07	<1	7
42901	1	8	8	43	.1	7	4	188	2.84	4	<5	<2	<2	23	<.2	<2	<2	60	.26	.051	6	10	.25	107	.07	<2	1.84	.01	.04	1	1
42902	<1	10	4	29	<.1	11	6	204	2.06	3	<5	<2	<2	30	<.2	<2	3	50	.35	.032	9	10	.38	132	.08	<2	1.78	.02	.03	<1	<1
42903	1	8	4	71	.1	13	6	219	2.70	<2	<5	<2	<2	16	<.2	2	<2	53	.23	.045	7	11	.30	136	.03	<2	2.32	.01	.05	<1	<1
42904	1	6	6	78	.1	6	4	243	2.84	5	<5	<2	<2	20	<.2	2	4	53	.24	.034	8	9	.23	138	.05	2	1.57	.01	.05	<1	1
42905	1	13	2	140	.2	30	16	363	4.84	<2	<5	<2	<2	12	<.2	<2	<2	82	.20	.116	9	11	.66	214	.01	<2	4.18	.01	.07	<1	<1
42906	1	8	10	75	.1	5	3	554	3.08	6	<5	<2	<2	26	.2	<2	<2	53	.23	.040	11	10	.22	131	.04	<2	1.36	.01	.05	<1	1
42907	1	165	14	83	.1	39	15	1071	4.56	<2	<5	<2	2	49	<.2	<2	4	50	.97	.335	53	32	.48	230	<.01	<2	2.58	.01	.15	<1	4
42908	1	13	9	141	.3	5	5	920	2.74	3	<5	<2	<2	77	.2	2	<2	42	.65	.060	24	11	.30	385	.04	<2	1.77	.01	.08	<1	1
42909	1	14	10	105	.1	8	5	538	3.27	14	<5	<2	<2	14	.2	<2	<2	57	.19	.107	10	13	.34	118	.04	2	2.67	.01	.06	<1	<1
42910	2	6	22	180	.1	7	3	1022	2.52	<2	<5	<2	3	9	<.2	<2	3	30	.12	.091	21	10	.24	136	.03	2	3.08	.01	.07	<1	<1
42911	1	4	13	136	.1	3	2	408	1.94	4	<5	<2	2	11	.2	2	4	35	.16	.061	14	8	.13	90	.03	<2	1.54	.01	.05	<1	<1
42912	1	14	11	47	<.1	9	5	255	3.17	12	<5	<2	<2	19	.2	<2	3	53	.24	.048	12	12	.35	96	.08	2	2.65	.01	.05	1	1
42913	1	13	12	84	<.1	8	5	338	3.05	8	<5	<2	<2	9	<.2	2	4	51	.13	.118	11	12	.36	78	.04	2	2.81	.01	.05	<1	<1
42914	1	19	10	55	<.1	9	6	316	3.23	10	<5	<2	<2	15	<.2	<2	<2	60	.17	.087	12	15	.45	106	.08	<2	2.88	.01	.05	<1	1
42915	1	13	7	56	<.1	9	6	270	3.14	12	<5	<2	<2	20	<.2	<2	<2	64	.22	.052	8	12	.39	92	.07	<2	2.36	.01	.05	<1	1
42916	1	9	6	62	<.1	9	5	247	3.33	13	<5	<2	<2	24	<.2	<2	2	64	.23	.059	9	12	.36	101	.06	<2	2.08	.01	.05	<1	1
42917	1	11	8	84	.2	11	6	290	3.80	12	<5	<2	2	27	<.2	3	4	73	.24	.052	11	13	.40	100	.08	<2	2.38	.01	.05	<1	<1
42918	1	43	14	101	.5	21	10	2300	4.76	15	<5	<2	<2	176	.3	2	2	72	1.22	.057	81	21	.68	584	.03	<2	4.34	.02	.13	<1	2
42919	1	12	4	88	<.1	7	6	411	3.38	7	<5	<2	<2	22	<.2	2	2	61	.30	.113	8	12	.33	106	.03	<2	1.91	.01	.05	<1	1
42920	1	13	3	106	.1	8	4	233	4.73	12	<5	<2	<2	10	<.2	2	<2	64	.13	.124	6	13	.27	59	.01	<2	2.91	.01	.03	<1	1
RE 42920	1	12	4	103	<.1	7	4	220	4.55	11	<5	<2	<2	10	<.2	<2	3	61	.13	.122	5	12	.25	57	.01	<2	2.84	.01	.04	<1	1
42921	1	16	5	54	<.1	7	5	219	3.34	9	<5	<2	<2	16	<.2	<2	<2	57	.18	.084	7	11	.32	73	.05	2	2.30	.01	.04	<1	1
42922	1	16	5	53	.1	7	5	296	3.56	5	<5	<2	<2	31	<.2	<2	<2	82	.17	.160	6	12	.33	54	.23	<2	3.65	.01	.04	<1	1
42923	1	22	6	66	.2	10	7	321	3.59	5	<5	<2	2	32	<.2	<2	7	75	.19	.150	6	13	.42	62	.14	<2	3.62	.01	.03	<1	1
42924	<1	19	8	60	.3	10	7	391	4.03	8	<5	<2	<2	28	<.2	2	<2	92	.15	.113	6	15	.38	58	.17	<2	3.20	.01	.03	<1	1
42925	1	19	7	63	.3	11	7	297	4.89	7	<5	<2	<2	39	<.2	<2	<2	108	.20	.155	7	13	.43	72	.19	<2	3.53	.01	.03	<1	2
42926	1	11	6	61	<.1	8	7	844	2.78	7	<5	<2	<2	48	<.2	<2	<2	53	.46	.070	14	10	.42	116	.08	2	1.42	.02	.05	<1	1
42928	1	12	9	92	<.1	9	8	1567	3.03	9	<5	<2	<2	58	<.2	2	<2	57	.56	.108	14	10	.41	136	.06	2	1.46	.02	.06	<1	<1
42929	1	13	8	65	.1	10	13	2235	3.69	9	<5	<2	<2	52	<.2	<2	2	56	.50	.073	16	10	.44	143	.06	<2	1.41	.02	.05	<1	<1
42930	1	14	10	73	<.1	8	8	461	3.12	5	<5	<2	<2	28	<.2	<2	6	58	.25	.140	13	10	.36	146	.06	2	2.11	.02	.04	<1	<1
42931	1	11	10	64	.1	9	6	686	2.56	5	<5	<2	<2	84	<.2	<2	2	53	.74	.082	12	10	.42	131	.05	<2	1.81	.02	.05	<1	4
42932	<1	13	7	53	.1	9	6	441	2.77	5	<5	<2	<2	68	<.2	2	<2	53	.56	.080	17	10	.42	173	.05	<2	1.89	.02	.04	<1	1
STANDARD C/AU-S	19	55	37	123	6.7	74	31	1069	3.96	44	15	7	37	50	17.1	15	22	60	.52	.092	39	55	.93	182	.08	33	1.88	.05	.14	13	54

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
42933	1	12	11	61	.1	9	6	460	2.81	3	<5	<2	3	45	<.2	<2	<2	52	.40	.115	15	12	.44	134	.07	2	2.33	.02	.04	<1	1
42934	1	11	9	67	.2	9	6	267	2.74	2	<5	<2	2	17	.4	<2	<2	60	.22	.108	9	13	.40	87	.08	<2	2.31	.01	.05	<1	5
42935	1	11	11	57	<.1	10	7	256	2.96	9	<5	<2	<2	17	.4	<2	4	60	.19	.067	8	11	.37	77	.09	<2	2.47	.01	.06	<1	1
42936	1	15	8	58	.1	10	7	259	2.95	6	<5	<2	<2	20	.4	<2	5	60	.27	.134	10	11	.40	79	.09	<2	2.58	.01	.05	1	3
42937	<1	47	9	56	<.1	11	9	501	3.69	16	<5	<2	2	26	.4	<2	<2	93	.39	.100	11	14	.68	130	.15	<2	4.00	.01	.06	<1	4
42938	1	14	7	56	.1	8	6	331	3.20	8	<5	<2	<2	14	.3	<2	<2	73	.23	.106	8	14	.32	65	.13	2	2.80	.01	.03	<1	1
42939	<1	33	12	146	.1	21	14	665	4.38	18	<5	<2	<2	37	.5	<2	<2	88	.37	.110	10	21	.72	215	.06	<2	5.27	.01	.07	2	2
42940	1	17	12	79	.1	11	8	324	3.46	10	<5	<2	2	16	.3	<2	2	69	.17	.102	8	13	.44	84	.07	2	3.40	.01	.05	<1	2
42941	<1	18	7	71	.2	11	7	394	3.36	11	<5	<2	2	16	<.2	<2	3	71	.19	.097	9	12	.48	85	.08	2	2.75	.01	.05	<1	1
42942	1	22	8	46	.1	6	4	241	3.37	6	<5	<2	<2	18	.2	<2	<2	79	.20	.047	5	11	.31	85	.10	3	2.15	.01	.04	<1	11
42943	1	12	11	98	.2	6	6	471	2.70	10	<5	<2	<2	46	<.2	<2	<2	60	.59	.023	16	12	.45	132	.10	2	2.07	.01	.04	<1	1
42944	1	4	5	42	.1	2	3	351	2.63	3	<5	<2	<2	20	<.2	<2	<2	67	.23	.031	4	5	.34	81	.01	<2	1.73	.01	.03	1	<1
43001	<1	12	6	50	.3	7	5	388	2.47	5	<5	<2	<2	48	<.2	<2	<2	54	.51	.033	16	11	.41	92	.06	2	2.06	.01	.05	1	1
43002	1	11	8	36	.2	5	4	230	2.71	7	<5	<2	<2	24	<.2	<2	3	69	.22	.047	7	10	.31	81	.13	2	1.72	.01	.03	1	1
43003	1	12	9	45	.3	5	3	270	4.29	11	<5	<2	<2	21	<.2	<2	3	95	.19	.054	7	12	.31	84	.13	2	1.72	.01	.04	1	2
43004	<1	9	4	43	.3	4	3	308	2.78	9	<5	<2	<2	19	<.2	<2	<2	75	.19	.028	7	9	.22	73	.07	2	1.38	.01	.03	1	1
43005	1	11	7	38	.1	6	3	193	3.38	10	<5	<2	<2	15	<.2	<2	<2	76	.16	.116	7	11	.23	61	.08	<2	1.60	.01	.02	<1	1
43006	1	11	8	61	.3	2	4	626	2.66	6	<5	<2	<2	7	<.2	2	2	52	.12	.062	5	4	.18	83	<.01	<2	1.81	.01	.11	<1	<1
43007	1	13	12	54	.1	9	7	329	4.13	10	<5	<2	<2	18	.3	<2	<2	83	.20	.047	9	15	.38	79	.16	<2	3.01	.01	.05	<1	5
43008	1	7	9	31	.1	3	2	160	2.72	8	<5	<2	<2	11	<.2	2	2	93	.09	.022	7	9	.14	49	.11	2	1.09	.01	.03	1	1
RE 43008	1	7	11	30	.1	2	2	153	2.72	5	<5	<2	<2	10	<.2	2	3	93	.09	.022	7	9	.13	49	.11	<2	1.08	.01	.03	<1	1
43101	1	9	8	63	.1	7	4	292	2.52	9	<5	<2	<2	23	.4	<2	<2	54	.25	.027	8	14	.31	107	.07	<2	1.22	.01	.05	<1	<1
43102	1	16	11	94	.1	12	8	753	3.08	13	<5	<2	<2	33	.4	<2	3	58	.37	.049	14	18	.44	171	.06	2	1.93	.01	.08	<1	<1
43103	1	50	14	83	.4	22	7	706	3.10	14	<5	<2	<2	89	1.0	<2	2	50	.99	.080	27	20	.59	222	.03	<2	2.86	.01	.10	<1	2
43104	1	16	11	67	.1	11	6	415	2.83	14	<5	<2	<2	31	.5	<2	4	54	.37	.068	10	17	.37	81	.06	2	1.47	.01	.06	<1	1
43105	1	11	9	65	<.1	7	4	680	2.57	12	<5	<2	<2	23	.5	<2	3	63	.24	.058	6	16	.15	93	.06	2	1.10	.01	.07	<1	1
43106	1	6	10	55	.1	7	3	175	2.36	15	<5	<2	<2	16	.3	2	<2	55	.19	.080	7	14	.19	56	.07	2	1.42	.01	.04	<1	1
43107	1	15	10	63	.2	14	7	327	2.96	19	<5	<2	<2	22	.2	2	4	57	.25	.057	7	19	.48	85	.07	2	2.00	.01	.06	<1	2
43108	1	20	12	74	.2	18	8	395	3.67	30	<5	<2	<2	26	.2	<2	2	65	.29	.057	9	21	.53	116	.07	2	2.55	.01	.06	<1	1
43109	1	11	11	58	.1	8	5	359	2.86	10	<5	<2	<2	17	<.2	<2	2	58	.19	.096	8	16	.26	70	.08	2	1.76	.01	.04	<1	1
43110	1	7	10	33	.1	6	2	119	1.37	6	<5	<2	<2	12	<.2	<2	<2	41	.11	.050	6	11	.17	81	.06	<2	2.55	.01	.04	<1	<1
43111	1	7	11	47	.1	6	2	144	2.18	9	<5	<2	<2	11	<.2	2	3	44	.11	.076	7	11	.16	60	.06	2	1.73	.01	.04	1	34
43112	1	9	11	40	.1	6	2	172	2.10	8	<5	<2	<2	16	<.2	<2	<2	49	.14	.034	7	11	.22	70	.07	2	1.22	.01	.05	1	1
43113	1	11	12	61	.2	9	6	354	2.80	15	<5	<2	<2	12	<.2	2	<2	56	.13	.040	8	16	.38	75	.06	2	1.88	.01	.06	<1	1
43114	2	4	10	35	<.1	3	1	602	1.87	15	<5	<2	<2	8	<.2	2	5	39	.08	.040	8	8	.06	62	.05	<2	.87	.01	.03	<1	1
STANDARD C/AU-S	20	58	39	126	7.3	72	32	1098	4.16	43	16	8	34	51	18.8	15	22	61	.50	.096	40	59	.90	183	.08	34	1.97	.06	.15	13	47

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

F O R E S T

G E O S

N S)

WHITE 1
(PDC)
45x5W

Scale
0 500 1000
metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,761

42400 Silt sample location and number

42395 Rock sample location and number

Soil grid sample locations and numbers

PHELPS DODGE CORP. OF CANADA LTD.

Project No. 235 Cariboo M.D.

CHILCOTIN RECONNAISSANCE PROJECT
WHITE CLAIM
ROCK, SILT & SOIL GEOCHEMISTRY
SAMPLE LOCATIONS

Fox Geological Consultants Ltd.

Scale	Date	NTS	Fig. No.
1:10,000	January 1995	93E/10	4

FOREST

GES

NS)

0 500 1000
metres

645 000 m.E

5944 000 m.N

WHITE 1
(PDC)
4S x 5W

L116N
L114N
L112N
L110N
L108N
L106N
L104N
L102N
L100N
L98N

9600E
9550E
1004E
1500E

53°37' N

126°45' W

Rock sample location and concentrations
Au (ppb)
As (ppm)
Sb "
Ag "

Silt sample location

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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PHELPS DODGE CANADA LIMITED

PROJECT Nº: 235 WHITESAIL LAKE REGION
CHILCOTIN RECONNAISSANCE PROJECT
WHITE CLAIM

ROCK & SILT GEOCHEMISTRY
& Sample Locations
Au, As, Sb, Ag

Fox Geological Consultants Ltd

SCALE	DATE	FILE	NTS	FIG. Nº
1:10,000	Jan. 1995	235-	93E/10W	5

F O R E S T

G E O S

N S)

3100

3200

3100

3100

3100

2900

45 000 m.E

44 000 m.N

L116N
L114N
L112E
L110N
L108N
L106N
L104N
L102N
L100N
L98N

9000 E
9500E
100E
10475 E
10995E
11550E

WHITE 1
(PDC)
49x5W

53°37' N

126°45' W

0 500 metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,761

Soil grid sample locations and concentrations:
Au(ppb) Ag(ppm)

PHELPS DODGE CANADA LIMITED

PROJECT Nº 235 WHITESAIL LAKE REGION

CHILCOTIN RECONNAISSANCE PROJECT

WHITE CLAIM

SOIL GEOCHEMISTRY

Silver-Gold

Fox Geological Consultants Ltd.

SCALE	DATE	FILE	NTS	FIG. Nº
1:10,000	Jan. 1995	235-	93E/10W	6

FOREST

GES

NS)

WHITE 1
(PDC)
4Sx5W

Soil grid sample locations and concentrations:
As(ppm) Sb(ppm)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,761

PHELPS DODGE CANADA LIMITED

PROJECT Nº 235 WHITESAIL LAKE REGION

CHILCOTIN RECONNAISSANCE PROJECT
WHITE CLAIM
SOIL GEOCHEMISTRY
Arsenic-Antimony
Fox Geological Consultants Ltd.

SCALE	DATE	FILE	NTS	FIG. Nº
1:10,000	Jan.1995	235-	93E/10W	7