FOX GEOLOGICAL SERVICES INC.

GEOLOGICAL AND GEOCHEMICAL REPORT

on the

SAUNDERS PROPERTY
CR 61 to 84, 92 and 93 Mineral Claims

OMINECA MINING DIVISION
BRITISH COLUMBIA

NTS 93F/11
53° 33' North Latitude
125° 24' West Longitude

by

P. E. Fox, Ph.D., P. Eng.

FOX GEOLOGICAL SERVICES INC.
1409 - 409 Granville Street
Vancouver, B.C. V6C 1T8

Work Paid for by
PHELPS DODGE CORPORATION OF CANADA, LIMITED

December 15, 1995

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SUMMARY

The Saunders Property is located 105 kilometres southwest of Vanderhoof, British Columbia. Road access is available via the Kenny Dam and Deerhorn Forest Service Roads and a subsidiary logging road which leads onto the property.

The property was staked in 1994 by Cogema Resources Inc. who conducted a preliminary exploration program during the same year. Anomalous concentrations of gold and mercury were contained in rock samples collected from the western portion of the property.

The Saunders Property is located within the Intermontaine Belt, in the central portion of the Stikine Terrane. The claims are underlain by Eocene Ootsa Lake Group rhyolite and Endako Group andesite with a small area of Cretaceous Kasalka Group andesite outcropping in the northwestern corner of the property. Four northeasterly trending faults were identified cutting and offsetting all lithologies. Weak to moderate argillic alteration, with local silicification and brecciation, is associated with the faults.

The 1995 field program, conducted between June 7 and 11, was designed to test for further mineralization in the vicinity of Cogema's anomalous rock samples. The program consisted of geological mapping, prospecting, soil and rock sampling. Soil sample results were very low for all metals except silver, which was anomalous in a few samples. Although many rock samples contained anomalous levels of gold indicator elements, gold concentrations were low.

INTRODUCTION

This report details an exploration program conducted on the Saunders Property between June 7 and 11, 1995. A total of 15 man days was spent collecting soil and rock samples, prospecting and geologically mapping a portion of the property. The results of this work are also reported herein.

LOCATION, ACCESS and PHYSIOGRAPHY

The Saunders Property is located in central British Columbia, approximately 105 kilometres southwest of Vanderhoof (see Figure 1). The claims lie between Saunders Hill and Intata Reach (Nechako Reservoir), on the Nechako Plateau.

The property is accessible by road from Vanderhoof, along the Kenny Dam Forest Service Road (Highway 16), southwesterly to the Deerhorn (500) Forest Service Road and a subsidiary logging road which bisects the property.

The claim block encompasses southwest-facing slopes along the eastern shore of Intata Reach. Elevations range from approximately 850 metres at lakeside in the southwest corner of the claim to 1130 metres in the northeast.

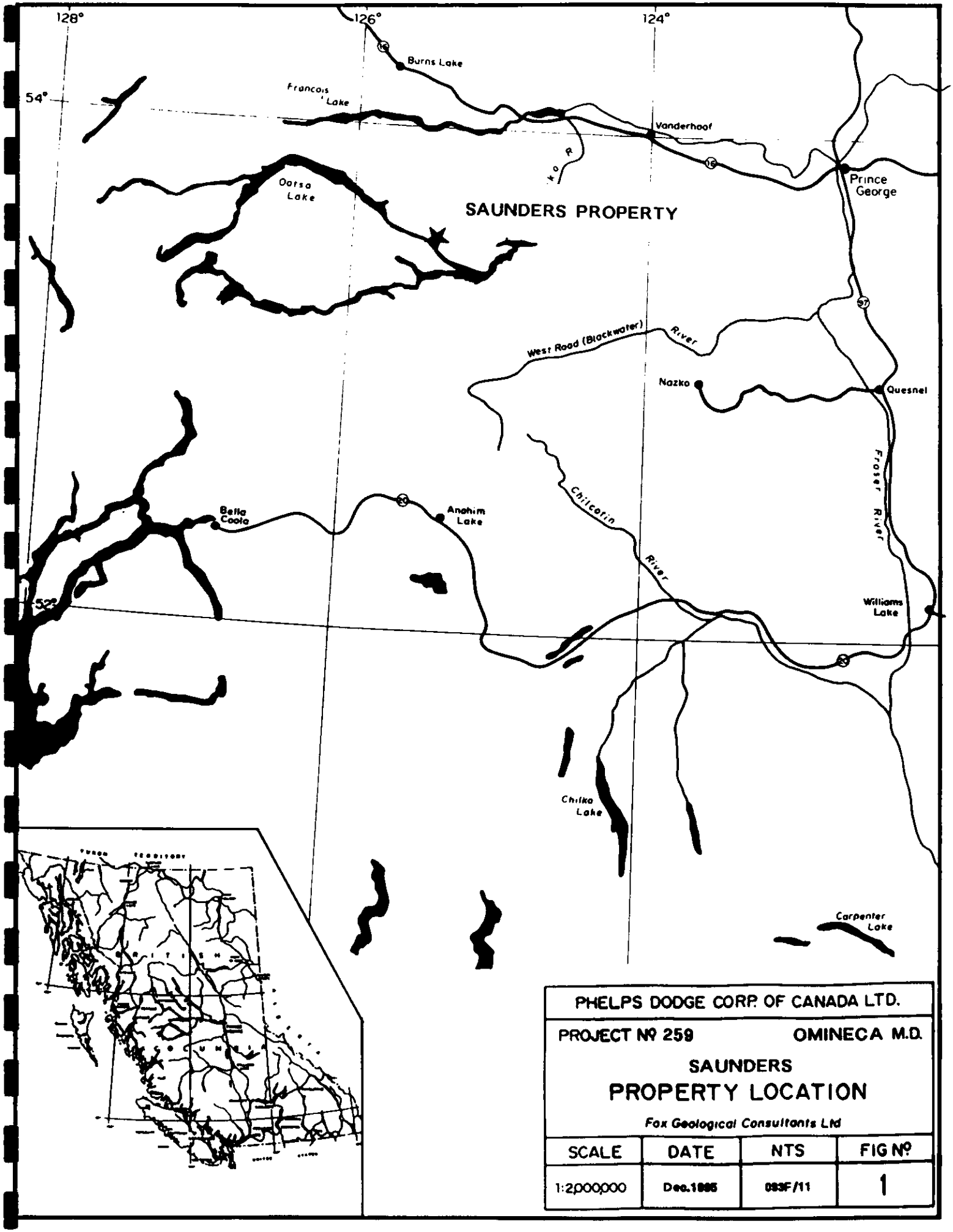
CLAIM INFORMATION

The Saunders Property consists of 26 two-post claims, totalling 26 units, recorded in the Omineca Mining Division and shown on NTS map sheet 93F/11 (see Figure 2). Claim details are set out below. Expiry dates tabulated below assume that current work is accepted for assessment purposes.

The claims listed below comprise the Saunders Claim Group under a Notice to Group recorded October 11, 1995.

Table 1

CLAIM NAME	RECORD NO.	NO. OF UNITS	EXPIRY DATE
CR 61	326695	1	June 4, 1998
CR 62	326696	1	June 4, 1998
CR 63	326697	1	June 4, 1998
CR 64	326698	1	June 4, 1998
CR 65	326699	1	June 5, 1998
CR 66	326700	1	June 5, 1998
CR 67	326701	1	June 5, 1998
CR 68	326702	1	June 5, 1998
CR 69	326703	1	June 5, 1998
CR 70	326704	1	June 5, 1998
CR 71	326706	1	June 4, 1998
CR 72	326707	1	June 4, 1998
CR 73	326719	1	June 4, 1998
CR 74	326720	1	June 4, 1998
CR 75	326721	1	June 4, 1998
CR 76	326722	1	June 4, 1998
CR 77	326723	1	June 5, 1998
CR 78	326724	1	June 5, 1998
CR 79	326725	1	June 5, 1998
CR 80	326726	1	June 5, 1998
CR 81	326727	1	June 5, 1998
CR 82	326728	1	June 5, 1998
CR 83	326729	1	June 5, 1998
CR 84	326730	1	June 5, 1998
CR 92	326692	1	June 5, 1998
CR 93	326693	1	June 5, 1998



PHELPS DODGE CORP. OF CANADA LTD.

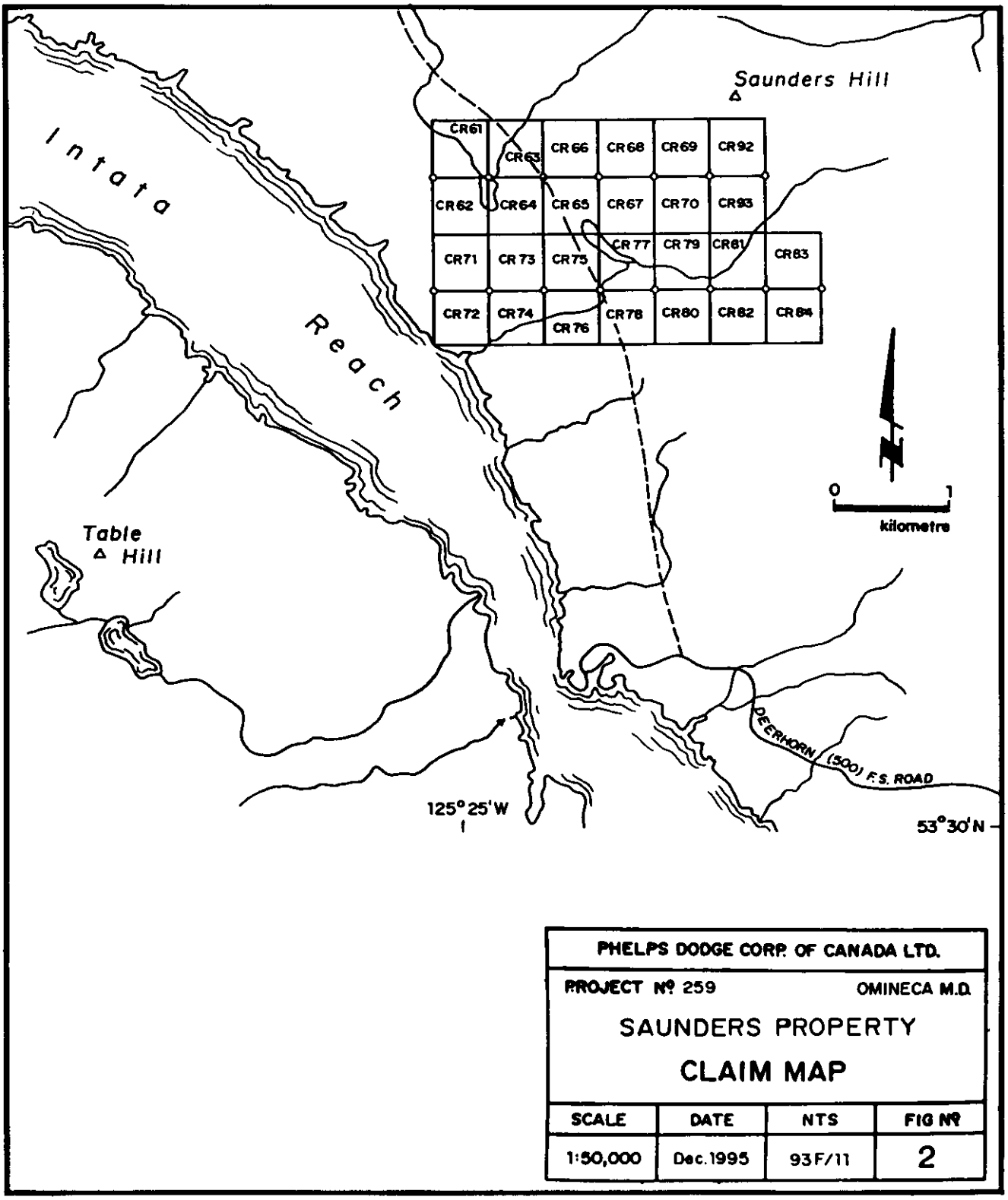
PROJECT Nº 259 — OMINECA M.D.

SAUNDERS

PROPERTY LOCATION

Fox Geological Consultants Ltd

SCALE	DATE	NTS	FIG Nº
1:2,000,000	Dec.1985	093F/11	1



PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT Nº 259		OMINECA M.D.	
SAUNDERS PROPERTY			
CLAIM MAP			
SCALE	DATE	NTS	FIG Nº
1:50,000	Dec.1995	93F/11	2

HISTORY

The Saunders Property was staked by Cogema Resources Inc. In 1994 following the release of a Geological Survey Branch Regional Geochemical Lake Sediment Survey which obtained elevated gold geochemical values from two lakes on the claim block. Cogema performed geological mapping and prospecting with rock, till and silt sampling during the same year. Rock samples containing anomalous gold and mercury concentrations were collected from the western portion of the property.

REGIONAL GEOLOGY

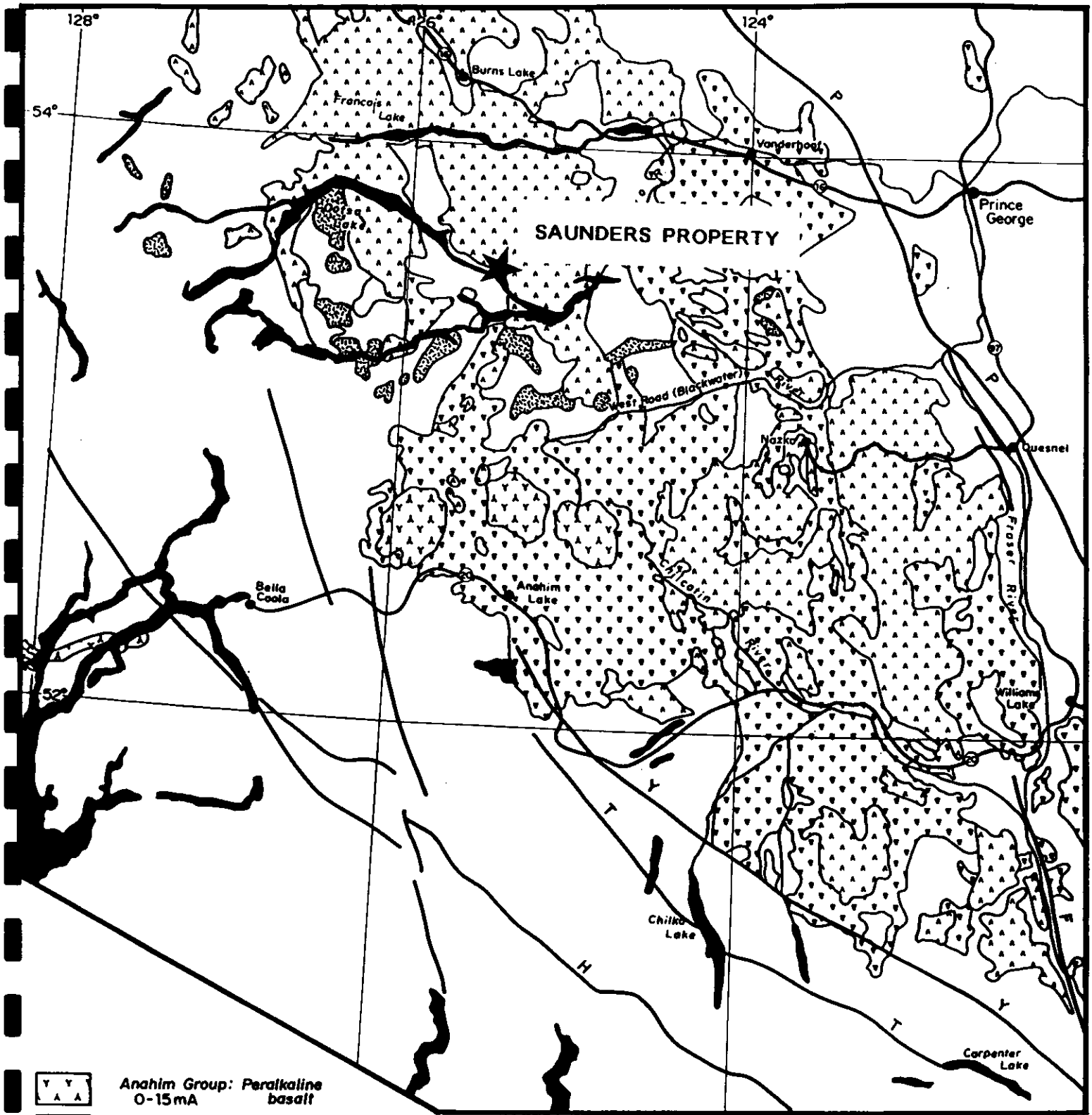
The Saunders Property is located in the Interior Plateau of British Columbia within the Intermontaine Belt, which consists of late Palaeozoic to late Tertiary sedimentary and volcanic rocks belonging to the Stikinia, Cache Creek and Quesnellia Terranes. The Yalakom and Fraser Fault systems bound the 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.

The claims lie within the central portion of the Stikine Terrane, which locally consists of three volcanic-stratigraphic groups ranging in age from upper Cretaceous to Miocene. An Eocene extensional tectonic event, which resulted in basin and range type topography, is associated with epithermal, volcanic-hosted gold mineralization. Regional geology is presented in Figure 3.

PROPERTY GEOLOGY

The southern portion of the Saunders Property is underlain by Eocene Ootsa Lake Group rhyolite and volcaniclastics. Rhyolite is white, tan, grey, green or purple coloured and may contain quartz eyes with less frequent feldspar, biotite or hornblende phenocrysts. Ootsa Lake rocks are overlain by a thick sequence of Upper Endako Group basalt and minor andesite which predominates in the northern portion of the claims. A small wedge of Cretaceous Kasalka Group andesite is in fault contact with Endako group rocks in the northwest corner of the property.

Four subparallel, northeasterly trending faults were identified in the northwest, central and southeast portions of the property, often offsetting lithologies. Property Geology is shown in Figure 4.



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

Scale 1: 2,000,000
0 50 100 km

PHELPS DODGE CORP. OF CANADA LTD.

PROJECT Nº 259 OMINECA M.D.

SAUNDERS PROPERTY
REGIONAL GEOLOGY

Fox Geological Consultants Ltd.

SCALE	DATE	NTS	FIG Nº
1:2,000,000	Dec. 1995	093F/11	3

ALTERATION and MINERALIZATION

Weak to moderate argillic alteration was observed in rhyolite and, to a lesser extent, in andesite near mapped faults. In the northwest corner of the property, argillized rhyolite is also locally silicified and brecciated. A trace of galena was observed in bleached rhyolite at this location.

1995 WORK PROGRAM

The 1995 field program, conducted between June 7 and 11, focused on exploring the western half of the property where Cogema collected rock samples containing anomalous concentrations of gold and mercury.

A northeasterly trending baseline was established in the vicinity of the northern property boundary. Five grid-lines (lines 100+00E to 112+00E) were turned off the baseline in the western portion of the property with two lines (122+00E and 125+00E) in the northeast, over an area of Ootsa Lake rhyolite. Lines are oriented at 160° with 300-metre spacing. A total of 14.4 kilometres of grid was instituted.

Soil samples were collected at 50 metre-spaced intervals along grid lines. Samples were obtained from the "B" horizon, where possible, stored in paper sample bags, tagged with a unique number and submitted to Acme Analytical Laboratories Ltd. in Vancouver, B.C. for analyses. Each sample was screened and an 80 mesh fraction analyzed for 34 elements by ICP techniques and for gold by geochemical atomic absorption analysis. Field notes detail location, topography, type and colour of material. A total of 239 soil samples was collected. Grid and sample locations are presented in Figure 6 and analytical method is set out in Appendix 2.

Most of the property was geologically mapped at a scale of 1:5,000 and prospected. A total of 21 rock samples was collected and sent to Acme Analytical Laboratories Ltd. in Vancouver, for multi-element analysis. Property geology is shown in Figure 4. Rock sample locations are shown in Figure 5.

RESULTS

Soil samples contained very low concentrations of all metals except silver which is weakly anomalous in four samples, three of which coincide with faults. Gold is consistently at background levels with only a few scattered, elevated samples. Some of these were collected in the vicinity of fault zones. Arsenic and mercury concentrations are also sporadically elevated, primarily in the northwestern portion of the property. Soil geochemical results for gold, silver, arsenic and mercury are outlined in Table 2 below. Results for gold are depicted in Figure 7, arsenic in Figure 8 and mercury in Figure 9. Analytical data are provided in Appendix 3.

Table 2

ELEMENT	RANGE	ELEVATED	ANOMALOUS
Gold	<1 - 49 ppb	20 ppb	
Silver	<30 - 1396 ppb	200 ppb	500 ppb
Arsenic	0.5 - 33.2 ppm	16 ppm	
Mercury	6 - 266 ppb	100 ppb	

Prospectors located weak to moderate argillic alteration in three areas of the property, adjacent to northeasterly trending faults. In the northwestern claim area, argillic alteration is locally accompanied by silicification and brecciation.

Most of the bedrock samples collected were from the northwestern alteration zone. Two of these samples (51103, 48947), collected from a fault zone, contained the highest gold concentrations (30, 41 ppb) and anomalous silver (922, 6386 ppb), with 72 ppm molybdenum in sample 48947. Three samples (48955, 48956, 51104), collected about 400 metres south of that fault, contained anomalous mercury (957 to 2162 ppb), arsenic (298 to 1702 ppm) and antimony (20 to 35 ppm). Two bedrock samples collected from the northeast corner of the property (51219, 51220) contained anomalous strontium (295, 118 ppm) and elevated barium (403, 231 ppm).

Argillic altered, silicified, brecciated and pyritic rhyolite float was found around the periphery of a small knoll between two lakes in the west-central claim area. Samples of this material contained up to 6718 ppb mercury with anomalous strontium (476 ppm), molybdenum (275.2 ppm) and barium (1221 ppm) in individual samples. Precious and base metals are present at background levels only.

CONCLUSIONS

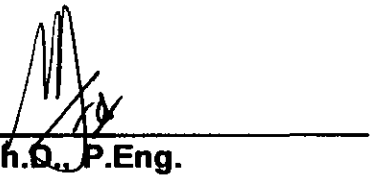
Alteration on the Saunders Property is spatially associated with northeasterly trending faults. Sporadic elevated concentrations of silver, arsenic, mercury and antimony are present in rock and soil samples and may also be structurally related. Gold concentrations, however, were only occasionally elevated above background levels.

DISBURSEMENTS

Expenditures to December 151, 1995 on the Saunders Property are $11,040.00, as tabulated below:

Accommodation & Board		$ 1,037.80
ATV Rental		255.00
Communication		120.00
Geochemical Analyses		
23 rock samples	$19.55/sample	449.65
239 soil samples	$15.45/sample	3,692.55
Labour		
C. Payne, Geologist	5 days @ $295/day	1,475.00
T. Archibald, Prospector	3 days @ $225/day	675.00
R. Roe, Sampler	3 days @ $225/day	675.00
D. Gagnon, Sampler	1 day @ $225/day	225.00
J. Goodall, Sampler	3 days @ $225/day	675.00
Report Writing and Drafting		800.00
Shipping		270.00
Truck, Gas		690.00
TOTAL		**$11,040.00**

FOX GEOLOGICAL SERVICES INC.



P.E. Fox, Ph.D., P.Eng.
December 15, 1995

REPORT DISTRIBUTION:

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B.C. Mining Recorder	2

REFERENCES

Cook, S.J.and Jackaman, W. (1994a)
"Regional Lake Sediment and Water Geochemistry of part of the Nechako River Map Area (93F/2,3; parts of 93F/6,11,12,13,14)"; B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1994-19.

Schimann, K. (1995)
"Geology and Geochemistry, Saunders Property (Nechako Project), 1994"; a report for Cogema Resources Inc., January 1995.

CERTIFICATE

I, Peter Edward Fox, certify to the following:

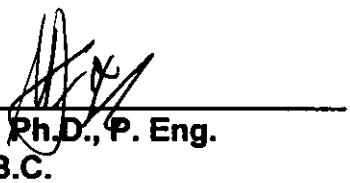
1. I am a consulting geologist residing at #902 - 2077 Nelson Street, Vancouver, B.C.

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.



Peter E. Fox, Ph.D., P. Eng.
Vancouver, B.C.
December 15, 1995

APPENDIX I

ROCK SAMPLE DESCRIPTIONS

Table 3

SAMPLE	TYPE	MATERIAL	NOTES	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	As ppm	Sb ppm	Hg ppb	Au ppb
48943	GRAB	F	Angular, siliceous rhyolite breccia, iron stained, quartz veins.	2.2	6.8	6.9	29	30	23.5	2.3	138	1
48944	GRAB	B	Siliceous, fractured rhyolite, brecciated, fractures 060 degrees.	1.3	1.9	6.5	41.5	30	13.3	2	179	5
48945	GRAB	B	Subcrop, tan-grey, argillically altered rhyolite, fracturing 060 degrees, iron staining on fractures & limonite. Rock in places is flow banded, locally hematitic staining on more siliceous sections.	2.6	3.5	9.1	12.1	101	81	3.5	140	5
48946	GRAB	B	Weakly siliceous, iron stained, grey-green volcanic in 2m wide breccia zone 018/70E.	7.2	21.2	7.3	83	447	51	3.8	41	8
48947	GRAB	B	Same as 48946.	72	21.4	9.1	49.6	6386	90.6	6.3	71	41
48948	GRAB	F	Angular, argillically altered rhyolite (?).	5.3	4.5	4.1	37.1	109	23.3	2.1	1684	3
48949	GRAB	F	Uprooted tree; angular boulders, grey-green, vitreous rhyolite (?), abundant quartz eyes & biotite, trace hb (to 2mm), weak argillic alteration and limonite staining.	2.5	3.6	3.6	45.4	80	6	1.7	1081	2
48950	GRAB	F	Angular, clay altered rhyolite breccia, trace diss pyrite.	1.6	3	7.7	12	37	2.7	0.2	108	1
48951	GRAB	F	Angular, silica flooded volcanic breccia, trace disseminated sulphide, moderate hematite stain.	7	12.1	10	95.7	65	74	10.1	6718	4
48952	GRAB	F	Subangular, siliceous, vuggy, layered, strongly argillically altered volcanic, trace disseminated sulphide.	3.1	8.8	3.6	33.5	30	22.3	3	75	3
48953	GRAB	F	Angular, argillically altered rhyolite and silica flooded iron/limonite staining on fracture surfaces, trace diss sulphide.	2.1	5.2	3.7	1.3	40	10.8	3.6	155	2
48954	GRAB	F	Angular, abundant boulders in area, argillically altered qtz eye rhyolite, limonite on fractures and black quartz veins, rock is brecciated.	275.2	4.4	6.1	11.9	30	55.4	9.6	721	1
48955	GRAB	B	Fine grained, grey-tan volcanic, abundant iron staining on fractures.	10.7	36.3	9.7	60.7	47	358.9	20.6	1306	3
48956	GRAB	B	Weak to moderately siliceous breccia in volcanic, breccia is grey, fragments are light grey to tan, subrounded to subangular, abundant iron staining on fractures.	4.8	42	7.9	94.1	65	298.4	20.2	957	6
51101	GRAB	B	Subcrop, bleached rhyolite, minor galena (or sphalerite ?).	1.5	3.5	8.2	36.7	32	49.6	3.6	76	1
51102	GRAB	B	Subcrop, brecciated, silicified, slightly vuggy rhyolite.	2.1	3.2	12.3	16.9	30	122.7	3.7	116	3
51103	GRAB	B	Rusty weathering, fractured, qtz filled andesite-basalt.	8.9	17.9	6.1	37.5	922	64.3	5.3	122	30
51104	GRAB	B	Limonitic/rusty weathering, basalt within o/c.	64.6	9.1	5.4	38.7	55	1702.8	35.3	2162	14
51105	GRAB	F	White, qtz eye rhyolite with silica boxwork.	2.9	4.8	7.2	11.2	192	149.6	9.1	6362	25
51219	GRAB	B	O/C rubble, purple and green rhyolite flows, biotite phenocrysts, rounded to subrounded quartz phenocrysts, manganese staining.	2.6	2.5	7.4	12.6	67	76.8	1.9	154	3
51220	GRAB	B	O/C, purple and green rhyolite flows, biotite phenocrysts, rounded to subrounded quartz phenocrysts.	1.5	3.1	7.9	16.7	78	48.1	1	39	4

Material F=Float, B=Bedrock, T=Talus

APPENDIX 2

Analytical Method

ICP: A 30 gram sample is digested with 180 millilitres 3-1-2 HCl-HNO_3-H_2O at 95° Centigrade for one hour and is diluted to 100 millilitres with water. This leach is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K, Ga and Al. Solution is analysed directly by ICP. Mo, Cu, Pb, Zn, Ag, As, Au, Cd, Sb, Bi, Tl, Hg, Se,Te and Ga are extracted with MIBK-aliquat 336 and analysed by ICP.

Au^+: Gold is extracted by aqua-regia/MIBK extract, GF/AA finished.

APPENDIX 3

GEOCHEMICAL ANALYSES

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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 259 File # 95-1922

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: G. Goodall

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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 ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
48943	3.2	9.6	11.2	29.0	<30	10	8	7353	1.08	23.5	22	9	7	.03	3.3	.2	12	.08	.027	33	10	.09	74	.05	<2	.39	.06	.31	3	.1	138	<.3	.3	.9	1
48944	1.3	2.1	7.1	41.5	<30	2	1	232	1.25	13.3	<5	13	10	.03	2.0	<.1	19	.11	.033	43	5	.11	51	.03	<2	.88	.05	.33	<2	<.1	179	<.3	.1	3.2	5
48945	2.6	3.9	10.0	12.1	101	5	1	167	.82	81.0	<5	14	10	.03	3.5	.2	6	.05	.034	37	5	.05	38	.01	<2	.39	.04	.26	2	.1	140	<.3	.3	1.9	5
48946	7.2	23.3	8.0	83.0	447	9	9	266	3.92	51.0	<5	4	10	.07	3.8	.2	62	.43	.171	40	10	.92	63	<.01	<2	1.96	.03	.31	<2	<.1	41	<.3	.3	8.1	8
48947	72.0	23.5	10.0	49.6	6386	6	5	288	3.44	90.6	<5	3	8	.07	6.3	<.1	51	.23	.155	26	8	.53	62	<.01	<2	1.50	.03	.25	<2	.5	71	.3	.7	7.0	41
48948	5.3	5.0	4.5	37.1	109	5	3	114	.97	23.3	<5	9	476	.02	2.1	<.1	14	.28	.008	22	6	.25	1221	.06	<2	1.14	.04	.43	<2	.1	1684	<.3	<.1	2.9	3
48949	2.5	4.0	4.0	45.4	80	4	3	249	.82	6.0	<5	10	18	.01	1.7	.1	8	.16	.006	34	5	.23	68	.02	<2	.88	.02	.19	<2	<.1	1061	<.3	.2	3.1	2
48950	1.6	3.3	8.5	12.0	37	4	1	123	.28	2.7	<5	11	4	.02	<.2	.3	3	.04	.006	45	5	.04	19	.01	<2	.29	.05	.21	<2	.2	108	<.3	<.1	1.5	1
RE 48950	1.3	2.9	7.6	11.7	<30	2	1	118	.27	1.9	<5	11	3	.01	<.2	.2	3	.04	.007	45	5	.04	15	.01	<2	.30	.05	.21	<2	<.1	110	<.3	.1	1.3	1
RRE 48950	1.6	2.5	7.8	13.4	<30	3	1	85	.28	1.5	<5	12	3	.01	<.2	.1	4	.04	.007	50	6	.04	16	.02	<2	.35	.06	.25	<2	<.1	116	<.3	.1	1.6	6
48951	7.0	13.3	11.0	95.7	65	13	2	80	1.28	74.0	<5	3	12	.39	10.1	.5	3	.04	.004	6	20	.01	44	<.01	<2	.11	.02	.13	4	1.4	6718	<.3	.5	.9	4
48952	3.1	9.7	4.0	33.5	<30	4	1	258	1.26	22.3	<5	14	40	.04	3.0	<.1	22	.13	.028	25	6	.10	129	.06	<2	.47	.07	.25	<2	.2	75	<.3	<.1	2.4	3
48953	2.1	5.7	4.1	1.3	40	5	<1	149	.37	10.8	<5	6	10	.01	3.5	<.1	1	.01	.005	26	8	.01	24	.01	<2	.19	.05	.18	2	.2	155	.3	.3	1.0	2
48954	275.2	4.8	6.7	11.9	<30	7	1	112	1.29	55.4	<5	8	23	.05	9.6	.3	10	.05	.022	35	10	.08	134	.06	<2	.31	.05	.44	2	6.4	721	<.3	1.7	2.2	1
48955	10.7	39.9	10.7	60.7	47	19	11	239	4.84	358.9	<5	3	36	.15	20.6	.2	123	.52	.170	36	12	.61	114	.01	<2	1.92	.08	.16	<2	.3	1306	.3	.4	9.7	3
48956	4.8	46.2	8.7	94.1	65	26	23	392	4.58	298.4	<5	4	35	.31	20.2	.1	124	.66	.170	41	13	.84	100	.01	<2	2.03	.08	.16	<2	.3	957	<.3	.2	8.9	6
48957	8.4	8.5	32.0	15.2	727	3	1	40	3.56	420.8	<5	1	29	.17	23.4	.3	2	.05	.002	6	6	.01	29	<.01	<2	.33	.01	.20	2	.3	903	<.3	.3	1.0	19
48958	7.9	6.4	7.4	63.4	72	5	2	736	2.31	24.2	5	1	11	.18	3.5	.2	5	.05	.041	5	5	.01	57	<.01	3	.48	.02	.25	<2	.2	102	.6	.3	1.0	3
RE 48958	8.1	6.7	10.3	63.8	101	4	1	733	2.31	23.4	<5	1	11	.19	3.6	.2	5	.05	.041	4	5	.01	60	<.01	3	.41	.02	.23	<2	.3	109	<.3	.5	1.3	4
RRE 48958	9.0	6.4	10.2	62.6	83	7	2	665	2.24	21.9	<5	1	11	.18	3.5	.1	4	.04	.040	5	7	.01	59	<.01	2	.45	.02	.25	<2	.1	100	.3	.4	1.1	11
51101	1.5	3.9	9.0	36.7	32	2	1	143	1.29	49.6	<5	14	7	.04	3.6	.2	11	.10	.038	48	4	.09	46	.02	<2	.63	.04	.29	<2	.2	76	.4	.3	3.7	1
51102	2.1	3.5	13.5	16.9	<30	4	1	56	1.06	122.7	<5	19	9	.02	3.7	.2	13	.08	.047	55	6	.07	47	.02	<2	.67	.05	.30	<2	<.1	116	<.3	.2	5.4	3
51103	8.9	19.7	6.7	37.5	922	6	1	316	4.03	64.3	<5	3	8	.05	5.3	.2	65	.17	.116	27	11	.41	47	<.01	<2	1.34	.02	.19	<2	<.1	122	.5	.4	7.3	30
51104	64.6	16.8	5.9	38.7	55	15	7	107	10.58	1702.8	<5	4	149	.06	35.3	.4	73	.24	.106	31	25	.45	82	.03	<2	1.21	.24	.28	<2	9.3	2162	.6	.4	3.8	14
51105	2.9	5.3	7.9	11.2	192	5	1	149	.94	149.6	<5	11	9	.04	9.1	.3	7	.05	.027	40	8	.08	69	.02	<2	.34	.03	.31	2	.3	6362	.8	.2	2.5	25
51219	2.6	2.7	8.1	12.6	67	3	1	338	.44	76.8	<5	13	295	.06	1.9	.4	5	.91	.018	36	5	.21	403	.02	<2	2.79	.03	2.11	<2	.3	154	.4	.4	4.1	3
51220	1.5	3.4	8.7	16.7	78	2	1	235	.50	48.1	6	12	118	.16	1.0	.3	5	.67	.012	27	4	.17	231	.04	<2	2.07	.03	1.71	<2	.2	39	<.3	.2	3.2	4
STANDARD	21.2	127.3	93.6	261.8	1823	28	14	915	4.33	73.6	23	19	55	2.35	10.0	20.5	62	.66	.093	17	47	1.15	231	.13	20	2.24	.04	.74	19	1.8	472	1.1	2.1	6.2	512

Standard is STANDARD D/AU-R.

ICP - 30 GRAM SAMPLE IS DIGESTED WITH 180 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 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 GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP.

- SAMPLE TYPE: ROCK AU+ - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 20 1995 **DATE REPORT MAILED:** July 7/95 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 259 File # 95-1920 Page 1

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: G. Goodall

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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 ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
50074	1.1	3.2	6.4	67.4	50	5	4	650	.94	1.3	<5	4	32	.10	<.2	<.1	20	.38	.016	17	8	.12	58	.05	2	.53	.01	.08	<2	<.1	76	<.3	<.1	2.1	1
50075	.9	3.0	4.7	32.0	55	4	3	302	1.42	1.7	<5	3	18	.04	.2	<.1	32	.20	.016	12	11	.11	49	.07	<2	.62	.01	.08	<2	<.1	59	<.3	<.1	1.8	4
50076	.3	4.9	7.5	71.5	100	2	4	187	1.31	.8	<5	2	31	.06	<.2	<.1	21	.31	.099	13	11	.13	96	.05	<2	.96	.01	.08	<2	<.1	66	<.3	<.1	2.9	5
50077	.7	7.0	5.5	58.7	685	3	5	223	2.25	2.6	<5	3	11	.05	<.2	<.1	44	.15	.094	12	16	.15	59	.06	2	1.13	.03	.05	<2	<.1	53	<.3	<.1	3.2	<1
50078	.6	4.5	5.2	46.2	74	5	4	338	1.81	4.1	<5	3	12	.03	.3	<.1	37	.15	.055	12	14	.14	58	.08	2	1.32	.01	.04	<2	<.1	41	<.3	<.1	3.2	2
50079	.6	4.3	5.6	36.5	92	6	4	237	1.88	3.7	<5	2	13	.03	<.2	<.1	36	.16	.065	11	13	.14	73	.07	2	1.33	.01	.06	<2	<.1	32	<.3	<.1	3.3	<1
50080	.7	3.6	6.8	25.8	39	5	3	180	1.58	3.3	<5	3	14	.03	.2	<.1	32	.16	.053	11	11	.11	62	.07	2	1.08	.01	.05	<2	<.1	36	<.3	<.1	3.5	2
50081 -	4.9	8.6	1.2	4.2	75	2	<1	17	.25	1.1	11	<1	107	.09	<.2	<.1	4	2.35	.068	2	1	.11	17	<.01	3	.09	.02	.03	<2	<.1	93	.5	.2	<.5	1
50082 -	1.9	4.6	1.1	3.2	58	<1	1	14	.12	.6	<5	<1	104	.03	<.2	<.1	1	2.15	.052	1	1	.11	18	<.01	5	.06	.02	.03	<2	<.1	220	<.3	.2	<.5	<1
50083 -	1.0	10.8	.9	17.9	500	3	1	73	.49	2.1	<5	2	96	.05	.4	<.1	6	1.78	.052	1	5	.16	41	.01	4	.23	.04	.05	<2	.3	126	.5	.2	<.5	39
50084 -	2.1	40.5	4.5	10.0	397	10	2	39	1.36	1.8	33	<1	211	.10	.8	<.1	46	3.66	.087	12	6	.20	134	.01	13	.51	.01	.04	<2	.2	186	3.0	<.1	.8	4
50085	.7	7.2	6.2	54.1	33	2	2	135	1.35	2.1	<5	3	20	.03	<.2	<.1	28	.22	.056	14	9	.14	56	.07	<2	1.07	.01	.05	<2	<.1	48	<.3	<.1	3.6	1
RE 50085	.8	8.0	6.6	59.0	40	2	2	153	1.45	1.8	<5	3	16	.03	<.2	<.1	29	.19	.056	15	10	.15	58	.08	3	1.13	.07	.06	<2	.2	43	<.3	<.1	3.8	1
50086	1.0	12.8	7.6	77.8	250	7	5	559	2.07	3.4	<5	1	44	.13	.3	<.1	32	.52	.105	26	14	.21	98	.05	2	1.75	.04	.10	<2	.1	115	<.3	<.1	4.1	1
50087	.5	4.2	5.0	47.0	<30	3	3	270	1.59	1.0	<5	2	17	.03	<.2	<.1	34	.21	.036	12	12	.13	72	.08	9	1.02	.01	.05	<2	<.1	30	<.3	<.1	2.9	1
50088	1.1	12.5	6.3	167.4	64	11	7	1077	2.98	.5	<5	2	45	.19	.2	<.1	55	.59	.161	19	18	.40	218	.07	3	2.17	.02	.13	<2	<.1	69	<.3	<.1	5.7	<1
50089	.4	6.9	5.9	56.1	41	7	4	248	1.97	.6	<5	3	21	.04	<.2	<.1	40	.25	.046	12	15	.23	122	.08	2	1.64	.01	.05	<2	<.1	33	<.3	<.1	3.7	1
50090	.4	7.0	4.9	52.6	46	5	4	398	1.74	1.5	<5	2	22	.05	<.2	<.1	36	.23	.042	13	14	.21	101	.08	3	1.51	.01	.04	<2	<.1	52	<.3	<.1	3.4	1
50091	.6	4.9	4.1	30.6	50	3	2	140	1.46	.8	<5	1	18	.03	<.2	<.1	36	.20	.019	11	13	.12	59	.08	<2	.78	.01	.04	<2	<.1	33	<.3	<.1	2.9	1
50092	.5	4.1	5.5	156.5	53	3	3	283	1.43	.8	<5	3	21	.08	.3	<.1	32	.25	.047	17	13	.15	87	.10	<2	.92	.01	.05	<2	<.1	44	<.3	.1	3.4	2
50093	1.1	3.6	5.2	58.8	159	<1	2	151	1.22	1.0	<5	1	12	.10	.5	<.1	27	.13	.031	55	5	.18	75	.03	2	.94	.02	.13	<2	<.1	266	<.3	<.1	4.8	1
50094	.6	4.3	5.5	68.7	74	5	3	170	2.05	2.8	<5	2	20	.03	<.2	<.1	41	.23	.103	15	14	.15	67	.06	3	1.24	.01	.06	<2	<.1	111	<.3	<.1	4.0	42
50095	.7	7.0	4.7	29.2	211	4	3	272	1.59	2.4	<5	2	21	.02	.3	<.1	35	.23	.032	13	13	.20	64	.08	4	.88	.05	.05	<2	.3	47	<.3	<.1	2.2	2
50096	.6	9.4	6.2	46.8	65	6	6	828	2.04	2.6	<5	3	26	.02	.3	<.1	38	.25	.066	17	16	.22	121	.06	2	1.73	.02	.07	<2	.1	53	<.3	<.1	4.6	3
50097	.5	4.6	5.5	43.0	56	6	5	214	1.88	2.0	<5	2	17	.02	.3	<.1	37	.20	.079	11	14	.14	95	.08	2	1.27	.01	.05	<2	.1	35	<.3	.1	3.8	1
50098	.7	5.2	6.0	34.2	54	4	3	201	1.54	1.6	<5	2	20	.03	.3	<.1	33	.20	.050	11	12	.13	62	.07	<2	.93	.01	.05	<2	<.1	38	<.3	<.1	3.3	1
50099	.5	4.4	5.0	29.3	43	6	3	191	1.34	1.9	<5	2	19	.01	<.2	<.1	30	.21	.023	11	11	.16	60	.08	2	.98	.01	.04	<2	<.1	32	<.3	<.1	2.6	<1
50100	.4	3.9	4.4	54.9	110	4	4	275	1.54	1.5	<5	2	24	.03	<.2	<.1	31	.25	.068	11	12	.14	86	.07	2	1.06	.01	.05	<2	.1	24	<.3	<.1	2.9	2
51001	.7	4.6	4.6	49.5	73	6	4	274	1.90	1.9	<5	2	19	.02	.2	<.1	41	.21	.059	12	15	.16	84	.07	2	1.18	.01	.05	<2	<.1	35	<.3	<.1	3.4	1
51002	.7	5.0	6.6	43.4	1396	2	2	157	1.45	1.8	<5	2	20	.02	<.2	<.1	31	.21	.044	11	11	.12	82	.06	3	1.03	.02	.05	<2	.3	40	<.3	<.1	3.7	1
51003	.7	6.0	6.0	51.7	114	8	5	242	2.07	3.3	<5	3	17	.03	.3	<.1	39	.20	.098	13	15	.19	103	.07	7	1.43	.01	.06	<2	<.1	36	<.3	<.1	3.5	1
51004	.6	5.0	5.0	49.8	93	4	4	404	2.00	3.7	<5	2	15	.03	.2	<.1	42	.19	.068	11	15	.15	82	.07	5	1.18	.01	.05	<2	<.1	21	<.3	<.1	3.3	2
51005	.5	3.6	5.4	22.1	54	3	3	157	1.19	1.2	<5	3	15	.01	<.2	<.1	27	.18	.013	14	10	.13	54	.07	7	.72	.01	.04	<2	<.1	18	<.3	<.1	2.1	3
51006	.5	3.6	4.7	24.4	34	2	2	136	1.44	2.8	<5	3	14	.01	<.2	<.1	32	.16	.026	13	11	.11	59	.06	2	.83	.01	.05	<2	<.1	24	<.3	<.1	2.5	2
STANDARD D/AU-S	22.6	121.9	89.0	269.7	1875	33	15	1071	4.53	78.4	23	20	56	2.43	9.8	19.4	66	.74	.089	17	49	1.22	249	.13	24	2.31	.05	.73	20	2.1	461	.9	2.0	6.5	53

ICP - 15 GRAM SAMPLE IS DIGESTED WITH 30 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 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 GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP.

- SAMPLE TYPE: SOIL AU+ - AQUA-REGIA/MIBK EXTRACT GF/AA FINISHED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

- Only 7.5 gms

DATE RECEIVED: JUN 20 1995 **DATE REPORT MAILED:** June 30/95 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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 ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
51007	.8	5.8	8.5	28.9	44	4	5	313	1.86	3.2	<5	4	14	.04	.4	.1	42	.17	.021	16	15	.19	42	.07	<2	.85	.01	.04	<2	<.1	53	<.3	<.1	3.1	2
51008	1.0	3.9	9.8	16.2	81	1	2	68	.84	1.8	<5	2	20	.05	<.2	.1	19	.23	.014	15	8	.07	39	.04	<2	.54	.02	.04	<2	<.1	61	<.3	<.1	2.4	<1
51009	.5	3.8	9.5	22.3	40	4	3	122	1.29	2.4	<5	2	22	.03	.2	.1	26	.24	.013	15	11	.17	52	.07	<2	.77	.01	.06	<2	<.1	86	<.3	<.1	2.1	1
51010	.5	3.1	8.4	24.0	81	4	2	119	1.18	1.6	<5	2	17	.02	.4	.1	25	.20	.016	13	10	.14	45	.06	<2	.66	.02	.04	<2	<.1	49	<.3	.1	2.2	23
51011	.7	6.1	7.8	31.0	65	4	5	242	1.84	10.2	<5	4	27	.05	.7	.1	41	.27	.027	19	15	.17	65	.09	<2	.73	.02	.07	<2	.1	122	<.3	<.1	2.2	2
51012	1.1	7.9	12.3	78.2	132	6	6	316	2.36	29.3	<5	3	25	.10	1.1	.1	42	.23	.138	15	13	.26	122	.06	<2	1.39	.02	.07	<2	.1	57	<.3	.1	5.2	<1
51013	.8	4.6	9.7	33.3	79	3	3	136	1.31	8.0	5	2	16	.03	.5	.1	28	.17	.019	15	10	.17	50	.06	<2	.75	.02	.04	<2	.1	50	<.3	<.1	2.9	<1
51014	.5	3.2	8.5	23.8	44	2	2	138	1.03	3.9	<5	2	16	.02	.3	.1	24	.19	.010	13	9	.11	46	.08	2	.56	.01	.04	<2	.1	28	<.3	<.1	1.9	7
51015	.5	3.8	8.4	48.1	60	4	2	225	.92	1.6	<5	1	20	.09	.2	.1	22	.23	.013	14	9	.07	56	.07	<2	.51	.01	.05	<2	<.1	27	<.3	<.1	2.2	<1
51016	1.2	8.9	10.0	39.4	124	6	4	589	1.63	8.8	<5	2	51	.09	.6	.1	29	.60	.026	34	13	.23	103	.05	2	1.45	.02	.08	<2	.1	68	<.3	.1	3.8	1
RE 51016	1.3	8.7	10.7	42.2	114	5	5	623	1.74	8.7	<5	3	54	.09	.5	.1	30	.63	.028	35	13	.25	113	.05	<2	1.49	.02	.08	<2	.1	68	<.3	<.1	3.6	1
51017	.8	6.0	10.9	79.5	86	5	6	1257	1.55	3.3	<5	1	37	.10	.4	.1	30	.38	.066	18	11	.18	124	.05	<2	1.12	.02	.09	<2	.1	55	<.3	<.1	3.1	1
51018	.7	6.4	10.9	45.7	61	4	4	337	1.69	3.8	<5	2	29	.04	.3	.1	33	.28	.031	20	12	.23	77	.05	2	1.66	.01	.06	<2	<.1	50	<.3	<.1	4.3	1
51019	1.2	5.5	10.7	51.6	42	6	6	525	2.02	6.1	<5	2	23	.02	.4	.1	41	.24	.032	15	15	.24	82	.06	<2	1.53	.01	.07	<2	.1	55	<.3	<.1	4.3	<1
51020	2.6	22.1	16.7	81.3	245	16	11	654	3.65	13.4	<5	5	68	.07	.6	.2	53	.64	.087	41	24	.46	244	.01	2	4.73	.02	.15	<2	.2	106	<.3	.1	11.4	3
51021	.9	5.8	8.9	42.2	42	5	4	188	1.61	4.2	<5	3	26	.02	.5	.1	35	.29	.026	15	13	.28	82	.06	2	1.40	.02	.06	<2	<.1	56	<.3	.1	4.7	3
51022	1.6	11.4	9.5	49.1	<30	9	7	468	2.81	26.1	<5	3	55	.09	2.1	.1	57	.47	.077	20	19	.43	144	.08	<2	1.64	.02	.12	<2	.2	45	<.3	<.1	4.5	<1
51023	.6	4.3	8.6	41.9	43	3	3	197	1.54	2.7	<5	2	18	.03	.3	.1	31	.19	.042	12	12	.12	62	.07	<2	1.08	.01	.05	<2	<.1	36	<.3	<.1	3.8	2
51024	.7	4.7	8.9	65.0	<30	4	4	262	1.97	3.5	<5	2	15	.06	.3	.1	37	.19	.088	15	13	.19	82	.08	2	1.60	.01	.06	<2	.1	51	<.3	<.1	4.4	1
51025	.6	3.5	7.9	31.7	<30	6	4	347	1.55	2.0	<5	2	17	.03	.3	.1	33	.20	.032	12	12	.14	75	.08	<2	1.00	.01	.06	<2	.2	92	<.3	<.1	3.2	10
51026	.7	7.4	10.5	37.1	76	6	5	502	1.83	3.3	<5	2	26	.04	.4	.1	35	.27	.030	17	13	.27	68	.07	<2	1.21	.02	.06	<2	.1	63	<.3	.1	3.3	2
51027	.5	4.7	8.3	38.9	33	5	5	312	1.77	2.5	<5	2	18	.03	.3	.1	37	.21	.033	11	13	.19	70	.08	2	1.19	.01	.05	<2	.1	39	<.3	.1	3.5	1
51028	.6	3.2	6.7	44.6	37	4	4	404	1.55	1.3	<5	1	20	.05	.2	.1	32	.21	.092	10	12	.09	84	.06	2	.86	.01	.05	<2	.1	39	<.3	.1	3.2	20
51029	.4	3.9	9.3	38.8	46	4	4	296	1.56	1.8	<5	2	18	.02	.3	<.1	32	.21	.047	11	12	.15	65	.08	<2	1.17	.02	.04	<2	.1	47	<.3	.1	3.7	1
51030	.5	4.7	8.5	38.3	34	6	4	278	1.66	1.4	<5	2	25	.04	.3	.1	33	.26	.076	12	13	.14	87	.08	4	1.08	.02	.06	<2	.1	52	<.3	.1	3.7	<1
51031	.6	4.7	8.6	32.9	33	5	4	149	1.97	2.0	<5	2	12	.02	.3	.1	42	.13	.056	10	15	.14	60	.09	<2	1.23	.02	.04	<2	.1	44	<.3	<.1	4.4	2
51032	.5	3.9	8.9	35.2	<30	6	5	221	1.74	1.4	<5	1	23	.03	.2	.1	38	.26	.052	9	14	.12	75	.09	30	1.15	.01	.05	<2	.1	36	<.3	<.1	4.2	2
51033	.7	4.7	8.3	33.3	36	8	4	120	1.89	2.9	<5	1	24	.03	.3	.1	37	.25	.066	11	13	.13	62	.07	<2	1.45	.01	.05	<2	.1	51	<.3	.1	4.5	2
51034	.5	3.4	7.4	26.9	<30	3	3	143	1.37	1.3	<5	2	23	.03	.3	.1	28	.27	.040	12	10	.12	55	.08	<2	.99	.01	.11	<2	.2	39	<.3	.1	3.4	1
51035	.5	5.3	8.1	58.8	37	8	3	316	1.71	2.1	<5	2	27	.05	.3	.1	31	.29	.089	11	13	.14	117	.07	<2	1.14	.01	.07	<2	.1	48	<.3	.1	4.1	<1
51036	.6	4.3	8.3	28.7	120	4	3	248	1.48	1.5	<5	2	18	.03	.3	.1	31	.20	.062	12	12	.12	71	.08	38	.84	.02	.07	<2	.2	42	<.3	.1	3.3	1
51037	.5	3.5	8.0	33.6	40	4	2	215	1.54	1.1	<5	2	17	.03	.3	.1	31	.21	.059	12	13	.11	77	.08	<2	.80	.02	.06	<2	.1	33	<.3	.1	3.1	<1
51038	.7	5.2	7.7	50.2	65	5	3	276	1.98	3.0	<5	2	19	.04	.2	.1	38	.20	.094	11	14	.13	74	.06	15	1.44	.02	.05	<2	.2	57	<.3	<.1	4.4	1
51039	.6	4.7	7.9	35.2	<30	5	3	132	1.78	3.6	<5	4	19	.02	.3	.1	35	.16	.059	14	12	.15	79	.07	21	1.43	.02	.07	<2	.2	115	<.3	<.1	3.5	1
STANDARD D/AU-S	23.7	124.2	84.1	271.2	1967	27	15	944	4.50	76.7	22	21	55	2.17	9.7	22.6	66	.71	.088	18	51	1.20	244	.14	25	2.37	.05	.75	19	2.6	450	.9	2.1	6.7	52

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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 ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
51122	.4	4.3	3.3	31.3	<30	8	5	262	1.81	3.0	<5	2	27	.04	<.2	.1	34	.25	.107	11	13	.16	104	.08	<2	1.41	.01	.07	<2	<.1	65	<.3	<.1	2.6	<1
51123	.5	6.1	4.8	39.9	56	9	6	682	1.94	2.5	<5	1	38	.07	.2	<.1	37	.35	.065	15	13	.20	96	.07	2	1.40	.02	.07	<2	.1	61	<.3	.1	3.3	<1
51124	.5	5.8	5.1	42.2	80	6	3	200	1.67	3.0	<5	1	22	.05	.2	<.1	31	.18	.068	14	11	.13	82	.06	<2	1.40	.02	.05	<2	<.1	60	<.3	<.1	3.6	3
51125	1.0	8.1	5.8	63.1	123	12	6	248	2.79	10.1	<5	2	25	.12	.5	.4	47	.23	.135	13	15	.24	115	.06	<2	2.20	.01	.09	<2	<.1	60	<.3	<.1	7.0	29
51126	.5	6.2	4.3	47.2	105	7	5	237	1.57	2.1	<5	1	34	.09	.2	<.1	29	.35	.033	18	11	.22	92	.06	<2	1.21	.02	.07	<2	.1	43	<.3	<.1	2.7	2
51127	.6	5.6	4.2	34.5	52	8	4	154	1.86	5.1	<5	2	19	.04	.3	<.1	37	.17	.052	12	13	.17	94	.08	<2	1.61	.01	.05	<2	<.1	54	<.3	.1	3.2	2
51128	.5	7.3	4.8	38.1	71	6	3	129	1.40	2.6	<5	1	42	.05	.3	.1	27	.44	.024	15	11	.18	89	.06	<2	1.17	.02	.04	<2	.1	50	<.3	<.1	3.1	1
51129	.5	3.9	4.8	50.8	<30	4	3	125	1.55	1.9	<5	2	25	.04	.2	.1	31	.23	.124	11	11	.09	95	.07	<2	1.07	.01	.04	<2	.1	24	<.3	<.1	3.6	3
51130	.7	6.8	5.5	41.3	53	8	5	341	1.86	3.7	<5	2	27	.05	.3	<.1	40	.28	.049	18	14	.22	75	.10	<2	1.23	.02	.06	<2	<.1	35	<.3	<.1	3.2	1
51131	.5	4.1	4.6	29.5	60	4	3	133	1.27	2.4	<5	2	17	.03	.2	<.1	28	.17	.024	13	10	.13	49	.09	<2	.81	.01	.05	<2	.1	38	<.3	<.1	2.3	5
51132	.7	5.7	5.6	70.9	54	7	5	401	1.88	5.3	<5	3	17	.07	.3	.1	36	.18	.129	13	13	.16	110	.07	<2	1.24	.01	.06	<2	<.1	39	<.3	<.1	3.4	4
51133	.5	5.3	4.9	35.7	77	5	2	213	1.27	3.3	<5	3	24	.06	.4	<.1	25	.30	.019	15	10	.21	60	.08	<2	.92	.02	.05	<2	.1	38	<.3	<.1	2.4	2
51134	2.5	16.9	7.4	86.3	65	15	12	1062	3.88	33.2	<5	5	51	.13	2.9	.1	72	.48	.058	29	18	.43	228	.15	<2	2.32	.02	.18	<2	.2	39	<.3	<.1	6.9	1
51135	1.1	5.7	7.2	63.2	<30	8	4	269	2.02	12.1	<5	3	19	.06	.4	.1	37	.20	.073	15	13	.21	89	.08	2	2.23	.01	.06	<2	.1	51	<.3	.1	5.0	<1
51136	1.7	6.3	7.1	49.1	<30	8	5	366	2.17	19.8	<5	3	13	.05	.7	.1	46	.15	.062	17	13	.16	81	.08	<2	1.90	.01	.05	<2	.1	38	<.3	.1	5.0	3
RE 51136	1.7	6.3	6.8	48.6	<30	7	4	362	2.13	20.2	<5	4	13	.04	.7	.1	45	.14	.063	16	13	.15	84	.08	<2	1.83	.01	.05	<2	.1	47	<.3	<.1	5.1	3
51137	2.2	14.7	6.2	79.6	65	19	11	1262	2.94	26.5	<5	2	57	.25	.8	.1	65	.65	.109	19	26	.41	135	.08	2	2.00	.03	.06	<2	<.1	70	<.3	<.1	6.9	<1
51138	.6	5.0	6.5	27.6	44	4	4	179	1.48	4.6	<5	3	21	.03	.2	.1	31	.20	.027	16	11	.15	66	.07	<2	1.05	.01	.04	<2	.1	49	<.3	.1	3.4	1
51139	.6	5.2	6.0	28.7	<30	6	4	191	1.49	5.8	<5	3	20	.03	.3	.1	31	.21	.034	15	12	.19	62	.09	2	1.13	.01	.05	<2	<.1	38	<.3	<.1	3.2	3
51140	.7	5.2	5.9	35.7	51	7	3	232	1.53	3.3	<5	2	19	.04	.3	.1	33	.18	.022	14	13	.20	53	.10	<2	.83	.01	.05	<2	.1	23	<.3	<.1	3.2	2
51141	1.2	6.8	6.1	49.5	67	6	4	170	2.41	11.3	<5	3	15	.03	.3	.1	49	.16	.086	13	16	.19	75	.07	<2	1.60	.01	.06	<2	<.1	61	<.3	<.1	5.4	1
51142	.6	5.3	8.0	28.2	68	5	4	229	1.43	4.0	<5	2	25	.03	.2	.1	31	.23	.020	17	12	.22	78	.07	<2	1.09	.02	.04	<2	.1	41	<.3	<.1	3.3	2
51143	.5	37.3	7.3	59.6	36	34	14	510	4.18	2.6	<5	6	41	.06	.4	.2	71	.56	.033	21	45	1.04	147	.19	2	3.14	.03	.09	<2	.2	50	<.3	<.1	8.0	49
51144	.3	6.6	4.9	27.9	<30	5	3	170	1.51	1.3	<5	3	29	.03	.2	.1	30	.31	.014	13	13	.21	69	.11	2	.99	.03	.04	<2	<.1	31	<.3	<.1	2.5	3
51145	.3	19.4	5.1	40.3	103	17	7	193	3.18	1.4	<5	3	43	.04	.5	.1	42	.55	.021	19	28	.39	90	.13	2	1.84	.04	.10	<2	.2	42	<.3	<.1	5.7	<1
51146	.5	9.1	5.9	56.7	<30	7	4	160	1.92	1.6	<5	3	43	.10	<.2	<.1	31	.48	.097	14	14	.16	140	.07	<2	1.59	.02	.07	<2	.1	50	<.3	<.1	4.6	3
51147	.6	60.8	6.1	70.6	726	35	11	681	4.88	3.6	<5	5	93	.14	.8	.1	64	1.30	.052	37	35	1.14	156	.03	<2	3.94	.05	.13	<2	.1	116	<.3	<.1	8.3	<1
51148	.4	6.8	5.2	22.5	49	5	3	199	1.50	1.2	<5	2	24	.07	.2	.1	32	.32	.013	12	12	.15	50	.09	<2	.81	.02	.06	<2	.1	23	<.3	<.1	2.3	3
51149	.3	6.4	5.3	34.3	59	8	4	225	1.56	2.0	<5	2	28	.06	<.2	.1	31	.31	.018	12	14	.23	60	.09	<2	1.01	.02	.05	<2	.1	26	<.3	<.1	2.7	2
51150	.4	4.6	4.3	44.7	39	9	4	180	1.47	1.8	<5	2	26	.07	<.2	.1	30	.25	.089	10	12	.12	83	.08	<2	.88	.02	.05	<2	<.1	20	<.3	<.1	3.0	2
51151	.5	5.5	4.8	37.3	37	6	4	357	1.55	2.2	<5	2	25	.06	.2	<.1	30	.28	.036	13	13	.23	65	.07	<2	1.02	.01	.08	<2	.1	50	<.3	<.1	2.8	4
51152	.9	8.3	5.7	51.1	65	10	4	435	2.06	3.7	<5	3	32	.08	.2	.1	43	.31	.069	12	15	.19	109	.08	12	1.38	.02	.07	<2	.1	30	<.3	<.1	5.4	1
51153	.4	12.3	4.3	39.9	51	12	7	208	2.74	2.6	<5	4	37	.05	.3	.1	48	.50	.035	15	23	.64	91	.08	<2	1.73	.03	.06	<2	.1	51	<.3	<.1	4.4	3
51154	.8	34.1	4.5	79.4	113	22	16	1053	5.02	2.7	<5	4	46	.14	.3	.1	86	.50	.073	29	21	.94	109	.07	<2	3.92	.02	.12	<2	.1	56	<.3	<.1	10.3	1
STANDARD D/AU-S	22.4	144.0	85.4	262.5	1933	26	14	1008	4.33	78.5	21	21	54	2.33	9.2	20.7	64	.66	.092	18	48	1.14	238	.14	24	2.29	.04	.74	19	2.3	475	1.0	2.3	7.1	48

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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 ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
51155	.3	3.8	3.5	44.4	<30	11	5	283	1.90	3.6	<5	4	30	.09	<.2	<.1	35	.33	.124	14	14	.21	100	.07	<2	1.33	.01	.08	<2	<.1	48	<.3	<.1	2.4	<1
51156	.6	3.9	4.6	25.4	<30	4	3	186	1.48	4.4	<5	3	24	.03	.3	<.1	36	.23	.018	12	12	.15	47	.09	3	.69	.01	.07	<2	<.1	32	<.3	<.1	2.4	1
51157	.8	6.2	6.2	36.6	44	7	5	368	1.56	5.7	<5	3	25	.04	.4	.1	33	.26	.032	19	12	.19	72	.07	<2	.92	.01	.07	<2	.1	33	<.3	.1	2.7	<1
51158	1.5	9.9	9.3	47.6	54	13	7	723	2.61	16.0	<5	3	75	.10	.5	.2	51	.63	.047	22	19	.31	118	.05	<2	2.58	.02	.12	<2	.1	61	<.3	<.1	6.9	<1
51159	.8	6.0	6.5	48.1	<30	8	4	461	1.80	11.0	<5	2	27	.07	.3	.1	36	.31	.050	13	13	.20	86	.07	<2	1.57	.01	.06	<2	.1	50	<.3	<.1	4.2	1
51160	.7	4.7	6.9	26.0	<30	5	3	176	1.41	5.6	<5	3	18	.03	.4	.1	32	.20	.025	15	12	.17	53	.08	<2	.82	.01	.05	<2	.1	32	<.3	<.1	2.8	1
51161	.8	3.6	5.2	26.7	<30	7	3	158	1.88	2.9	<5	2	17	.02	.2	<.1	41	.20	.032	11	14	.15	65	.08	<2	1.30	.01	.05	<2	<.1	35	<.3	.1	3.2	<1
51162	.6	3.3	5.3	23.3	<30	4	3	151	1.42	5.5	<5	2	25	.02	.2	.1	34	.26	.017	15	12	.17	53	.08	<2	.83	.02	.05	<2	.1	40	<.3	.1	2.0	1
51163	.9	3.6	6.1	17.6	<30	4	2	123	1.19	4.1	<5	2	20	.02	.2	.1	30	.21	.011	13	10	.12	51	.08	2	.71	.01	.05	<2	<.1	37	<.3	<.1	2.4	1
51164	.9	5.2	8.0	32.2	82	8	5	282	1.47	1.3	<5	3	29	.04	.3	.1	34	.30	.028	16	15	.18	54	.10	<2	.83	.01	.07	<2	.1	31	<.3	.1	3.4	7
51165	.9	5.8	7.2	39.8	121	6	5	202	2.32	4.3	<5	3	16	.04	.3	.1	48	.18	.099	15	17	.19	71	.08	<2	1.42	.01	.05	<2	<.1	41	<.3	<.1	3.9	2
51166	.5	2.7	6.1	22.9	79	3	3	124	1.05	1.5	<5	2	14	.02	.2	<.1	26	.17	.015	14	9	.10	39	.07	<2	.69	.01	.05	<2	<.1	20	<.3	<.1	2.4	8
51167	1.5	6.9	8.4	42.0	57	10	5	664	2.09	4.0	<5	2	27	.04	.3	.1	38	.28	.039	21	17	.25	93	.05	<2	1.85	.01	.08	<2	.1	55	<.3	<.1	4.9	1
51168	1.0	4.3	6.6	27.5	46	7	4	244	1.51	2.0	<5	2	29	.03	.3	<.1	35	.33	.014	16	14	.16	55	.08	<2	.99	.01	.07	<2	.1	30	<.3	<.1	3.2	1
51169	1.4	7.0	8.2	29.9	89	7	6	670	1.83	4.5	<5	3	42	.08	.3	.1	37	.45	.018	29	16	.21	77	.07	<2	1.38	.02	.10	<2	.1	59	<.3	<.1	3.8	5
51170	.8	4.7	7.3	51.6	61	6	4	337	1.36	3.0	<5	2	48	.15	.3	.1	29	.66	.017	16	13	.18	57	.07	<2	1.15	.02	.05	<2	.1	55	<.3	.1	3.7	<1
51171	1.1	5.3	6.6	35.5	35	6	5	165	1.94	9.4	<5	3	24	.03	.4	<.1	45	.23	.054	15	16	.17	70	.08	<2	.97	.01	.06	<2	<.1	37	<.3	<.1	3.5	3
51172	.6	3.8	6.2	24.2	<30	2	3	133	1.29	3.0	<5	2	20	.04	.2	<.1	31	.19	.023	14	11	.14	45	.08	<2	.71	.01	.05	<2	<.1	32	<.3	<.1	2.7	5
51173	.6	4.0	6.5	31.2	32	4	3	256	1.22	3.5	<5	2	26	.05	.3	.1	28	.26	.020	15	10	.12	61	.07	<2	.75	.01	.06	<2	.1	30	<.3	<.1	2.7	4
RE 51173	.6	3.7	6.2	32.0	<30	3	4	261	1.24	2.9	<5	2	26	.03	.3	<.1	29	.26	.022	15	11	.13	61	.07	<2	.77	.01	.06	<2	<.1	23	<.3	.1	2.6	2
51174	.6	5.4	5.8	27.4	49	7	4	254	1.49	2.4	<5	2	20	.04	.3	<.1	33	.20	.019	15	15	.19	49	.07	<2	1.10	.01	.05	<2	.1	24	<.3	<.1	3.3	1
51175	.4	4.1	6.3	24.3	68	5	3	187	1.20	1.2	<5	2	20	.05	.3	.1	28	.20	.014	16	11	.15	38	.07	2	.80	.01	.06	<2	.1	32	<.3	.1	2.6	1
51176	.8	3.9	6.4	54.3	56	5	5	199	1.67	1.5	<5	2	16	.09	<.2	.1	37	.18	.065	14	14	.14	56	.07	<2	1.00	.01	.06	<2	.1	36	<.3	.1	4.3	2
51177	.9	3.3	6.4	31.7	<30	7	4	124	1.59	2.7	<5	3	17	.07	<.2	<.1	35	.18	.083	13	13	.10	58	.07	<2	1.17	.01	.06	<2	<.1	23	<.3	<.1	3.7	1
51178	.7	4.8	7.8	28.0	33	4	4	147	1.32	3.4	<5	3	16	.06	.3	.1	29	.18	.035	16	11	.17	61	.08	<2	1.03	.01	.04	<2	<.1	37	<.3	.1	3.1	2
51179	.6	5.4	7.8	34.3	33	5	4	214	1.24	3.3	<5	3	27	.07	.3	.1	27	.29	.023	18	11	.15	58	.06	<2	.99	.01	.05	<2	<.1	27	<.3	<.1	3.4	1
51180	.6	3.9	5.7	23.0	37	2	3	178	.96	2.8	<5	2	20	.03	.2	.1	23	.23	.020	15	8	.12	46	.06	5	.74	.01	.05	<2	<.1	44	<.3	.1	2.4	1
51181	.4	3.5	5.2	20.9	<30	2	4	141	1.15	3.0	<5	3	19	.09	.2	<.1	27	.19	.016	13	11	.18	38	.08	<2	.77	.01	.05	<2	<.1	20	<.3	<.1	2.2	13
51182	.6	4.9	8.0	33.8	53	1	3	194	1.30	4.7	<5	3	18	.02	.3	<.1	30	.19	.027	16	12	.17	51	.07	<2	.91	.01	.04	<2	<.1	29	<.3	.1	3.3	7
51183	1.1	4.4	7.6	28.1	42	2	4	199	1.49	12.8	<5	2	20	.03	.4	.1	35	.20	.024	15	13	.19	47	.07	<2	.95	.01	.05	<2	<.1	47	<.3	.2	3.2	4
51184	.5	3.2	5.6	22.9	33	4	3	168	1.14	4.6	<5	3	16	.01	.2	<.1	26	.17	.013	14	10	.17	39	.07	<2	.74	.01	.04	<2	<.1	32	<.3	.1	2.1	2
51185	.4	4.7	6.0	25.2	<30	5	3	151	1.32	2.7	<5	2	23	.02	.2	<.1	30	.20	.023	13	13	.19	66	.09	<2	.85	.01	.04	<2	<.1	47	<.3	<.1	2.0	2
51186	.6	15.7	8.3	46.4	68	11	6	406	2.43	6.6	<5	4	51	.06	.8	.1	51	.46	.062	23	20	.36	116	.09	4	1.27	.03	.09	<2	<.1	93	<.3	.2	3.7	3
51187	.5	5.1	12.2	30.3	<30	4	3	164	1.15	1.5	<5	2	18	.06	<.2	.1	28	.18	.022	11	11	.13	65	.08	3	.79	.01	.04	<2	<.1	18	<.3	<.1	2.8	1
STANDARD D/AU-S	23.5	122.5	91.7	258.8	1941	30	15	973	4.19	74.4	17	18	53	2.12	9.8	21.0	65	.65	.090	18	52	1.10	222	.13	30	2.21	.04	.74	19	2.4	448	1.3	2.0	6.7	52

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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 ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
51188	.8	6.1	7.0	33.7	<30	8	5	275	2.23	3.6	5	3	18	.05	<.2	<.1	49	.18	.028	10	18	.23	68	.09	<2	1.25	.01	.05	<2	.1	42	<.3	<.1	3.6	3
51189	.6	4.4	6.1	49.0	53	5	3	349	1.65	1.8	7	3	14	.09	<.2	.1	34	.17	.095	10	13	.11	58	.07	<2	.96	.01	.05	<2	.1	40	<.3	<.1	3.5	8
51190	.7	5.7	6.4	50.6	99	6	4	262	1.93	2.9	<5	2	20	.10	<.2	.1	37	.23	.129	11	14	.15	62	.07	<2	1.12	.01	.06	<2	.1	47	<.3	<.1	3.6	8
51191	.6	4.4	4.9	21.9	35	6	5	165	1.56	2.4	8	3	21	.03	<.2	<.1	37	.22	.017	10	13	.18	55	.08	<2	.86	.01	.06	<2	.1	52	<.3	<.1	2.0	<1
51192	.5	4.3	5.5	39.6	51	4	3	561	1.79	1.7	<5	2	30	.08	<.2	<.1	38	.29	.111	10	14	.11	74	.08	<2	.87	.01	.06	<2	.1	26	<.3	.1	3.4	3
51193	.8	5.8	6.6	37.2	60	8	4	794	1.80	1.8	<5	2	20	.07	.2	.1	38	.21	.092	11	14	.12	108	.08	<2	.80	.01	.05	<2	.1	48	<.3	<.1	3.3	2
51194	.6	8.2	5.1	27.1	60	10	5	283	2.14	4.7	<5	3	30	.03	.2	<.1	42	.38	.025	20	17	.25	84	.09	<2	1.25	.02	.07	<2	.1	56	<.3	<.1	2.8	1
51195	.8	5.6	5.8	32.1	<30	7	5	249	1.96	3.3	<5	1	20	.04	<.2	<.1	40	.26	.095	11	15	.16	83	.08	2	1.09	.01	.06	<2	.1	51	<.3	<.1	3.3	<1
51196	.7	5.0	6.0	26.1	<30	5	4	187	1.93	2.6	<5	2	20	.03	.2	<.1	42	.23	.032	12	15	.17	62	.10	3	.96	.01	.07	<2	<.1	47	<.3	<.1	2.7	3
RE 51196	.7	4.6	5.4	27.7	<30	5	4	176	1.82	2.2	7	2	19	.04	<.2	<.1	39	.23	.029	12	15	.17	52	.10	<2	.92	.02	.07	<2	.1	43	<.3	<.1	2.5	1
51197	.7	5.7	7.9	39.8	83	5	4	498	1.74	1.2	5	2	21	.10	<.2	<.1	38	.26	.045	11	16	.17	75	.11	<2	.90	.01	.07	<2	.1	37	<.3	<.1	3.0	2
51198	.7	6.3	5.9	32.8	75	8	4	218	1.86	2.7	<5	2	18	.05	.2	<.1	39	.21	.081	11	15	.18	66	.09	<2	1.09	.01	.07	<2	.1	47	<.3	<.1	3.6	1
51199	.7	5.8	6.8	47.8	<30	10	6	248	2.11	2.6	7	3	22	.05	<.2	<.1	42	.23	.078	11	15	.21	94	.08	<2	1.50	.01	.06	<2	<.1	41	<.3	<.1	4.7	1
51200	.5	5.0	5.4	44.9	62	8	4	235	1.82	2.7	6	2	19	.06	.2	.1	38	.22	.072	11	14	.16	71	.08	<2	1.11	.01	.08	<2	.1	97	<.3	<.1	3.5	1
51201	4.1	31.0	10.3	70.1	439	26	26	3053	6.02	13.3	<5	5	67	.28	1.0	.2	143	.80	.082	28	36	.47	257	.05	3	5.08	.02	.13	<2	.3	79	.4	.1	15.5	2
51202	1.0	7.6	9.0	54.5	78	12	5	218	2.34	3.8	<5	3	20	.05	.3	.1	44	.20	.134	13	17	.25	115	.08	<2	2.30	.02	.05	<2	.1	50	<.3	<.1	6.8	2
51203	.6	14.9	7.8	33.0	90	8	4	309	2.00	7.1	10	3	31	.11	.5	.1	34	.64	.030	51	16	.24	71	.08	2	1.33	.03	.13	<2	.1	80	.4	<.1	3.3	3
51204	.9	7.1	6.7	50.8	68	9	4	255	2.04	3.7	<5	3	29	.09	.3	.1	37	.29	.136	15	14	.19	108	.08	3	1.49	.02	.13	<2	.1	42	<.3	<.1	4.8	4
51205	.7	5.8	5.2	33.6	39	6	3	225	1.77	3.8	<5	3	21	.03	.4	.1	39	.25	.045	14	15	.18	61	.10	<2	.95	.01	.09	<2	.1	37	<.3	<.1	3.0	6
51206	.4	4.5	4.7	46.5	<30	10	3	248	1.56	2.0	6	4	17	.03	.2	.1	32	.23	.030	14	12	.16	49	.09	2	1.26	.01	.15	<2	.1	23	<.3	<.1	2.9	2
51207	1.2	5.7	10.8	48.9	<30	6	5	668	1.63	4.0	<5	8	13	.05	.3	.1	30	.13	.026	21	11	.18	70	.08	2	2.40	.02	.14	<2	.2	48	<.3	.1	5.4	2
51208	1.0	7.7	8.5	46.0	<30	7	5	404	2.13	9.3	<5	4	13	.04	.6	.1	42	.17	.042	16	16	.23	68	.07	<2	2.02	.01	.07	<2	.1	40	<.3	<.1	5.9	1
51209	1.5	5.6	8.8	62.9	<30	6	5	746	1.87	8.9	5	3	15	.07	.3	.1	37	.20	.069	15	12	.16	80	.08	2	1.87	.01	.07	<2	.2	58	<.3	<.1	5.9	<1
51210	1.5	6.8	7.4	52.0	<30	7	5	254	2.08	11.2	5	4	12	.05	.5	.1	38	.15	.073	14	14	.20	68	.07	2	2.05	.01	.06	<2	.1	40	<.3	<.1	4.8	2
51211	.9	4.2	6.9	41.0	35	8	4	201	1.96	7.9	6	3	11	.04	.4	.1	39	.16	.066	13	13	.13	58	.06	2	1.53	.01	.05	<2	.1	49	<.3	.1	4.8	3
51212	1.0	4.8	6.7	32.3	35	6	3	112	1.65	5.6	<5	3	11	.02	.4	.1	31	.15	.043	12	11	.15	54	.05	3	1.60	.01	.04	<2	.1	25	<.3	.1	5.1	4
51213	.9	4.2	6.0	38.6	35	5	4	164	1.80	5.5	<5	3	25	.03	.2	<.1	35	.25	.053	14	12	.20	73	.07	2	1.45	.01	.07	<2	.1	71	<.3	<.1	4.1	3
51214	.7	4.5	6.0	33.1	38	6	4	321	1.76	5.3	<5	3	26	.03	.3	.1	36	.28	.062	16	13	.22	90	.08	<2	1.03	.02	.12	<2	.1	46	<.3	<.1	2.4	12
51215	.9	4.7	7.0	41.7	<30	8	4	156	1.95	7.8	<5	3	15	.06	.3	.1	35	.25	.097	14	13	.16	73	.07	<2	1.65	.01	.07	<2	.1	43	<.3	<.1	4.0	2
51216	1.6	6.3	8.9	60.7	<30	9	3	172	1.71	11.2	<5	8	18	.06	.3	.1	28	.20	.096	22	11	.16	123	.05	<2	1.92	.02	.17	<2	.1	51	<.3	<.1	6.5	4
51217	1.3	4.5	7.7	36.2	107	4	3	242	1.57	3.9	<5	1	21	.08	.4	.1	34	.24	.102	12	13	.08	55	.06	2	.73	.01	.07	<2	.1	28	<.3	<.1	3.8	1
51218	.6	4.8	6.3	31.6	58	5	3	128	1.32	3.5	<5	1	25	.05	.3	.1	28	.25	.032	13	12	.15	64	.07	<2	.90	.02	.04	<2	.1	46	<.3	<.1	3.2	2
51221	.6	4.8	8.7	31.6	<30	4	2	119	1.20	2.5	<5	2	22	.02	.3	.1	26	.22	.041	11	10	.12	61	.09	2	.80	.01	.06	<2	<.1	41	<.3	<.1	3.8	4
51222	.8	6.1	7.2	50.9	<30	12	6	208	2.05	2.3	<5	2	14	.03	.2	<.1	40	.16	.062	8	18	.21	82	.12	<2	1.60	.01	.04	<2	.1	39	<.3	<.1	4.8	7
STANDARD D/AU-S	21.7	118.1	81.7	239.0	1889	27	14	946	4.19	69.8	20	18	52	2.29	9.7	19.4	62	.67	.091	17	46	1.12	224	.13	23	2.17	.04	.73	19	1.9	457	1.1	1.9	6.6	52

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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 ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
51223	.6	6.7	7.7	40.3	30	6	3	256	1.92	8.3	<5	2	25	.08	.6	.1	37	.26	.084	15	14	.21	86	.07	2	1.22	.02	.04	<2	<.1	64	<.3	.2	2.9	<1
51224	.5	3.1	6.0	42.6	36	4	3	213	1.51	1.6	<5	3	21	.05	.3	.1	30	.23	.075	11	12	.11	84	.06	2	.90	.01	.06	<2	.1	29	<.3	.1	2.7	<1
51225	.4	4.4	6.5	25.1	<30	5	3	177	1.32	1.9	<5	2	22	.02	.3	.1	28	.21	.017	12	10	.17	63	.07	<2	.82	.01	.03	<2	<.1	25	<.3	.1	2.5	11
51226	.4	3.6	4.9	47.5	<30	7	4	167	1.51	1.0	<5	2	16	.03	<.2	.1	31	.17	.029	10	11	.16	77	.07	<2	1.16	.01	.04	<2	<.1	23	<.3	.1	2.6	1
51227	.5	4.9	5.6	26.4	<30	6	3	160	1.52	2.2	<5	3	22	.02	.3	.1	34	.25	.030	11	13	.20	54	.09	<2	.86	.02	.04	<2	<.1	23	<.3	.1	2.3	2
51228	.5	4.2	5.5	27.9	<30	6	3	194	1.38	.9	<5	2	25	.03	<.2	.1	28	.34	.025	10	11	.18	63	.07	<2	.90	.02	.06	<2	<.1	26	<.3	.1	2.1	<1
51229	.6	4.9	6.1	26.4	33	7	3	170	1.32	.8	<5	2	21	.05	.2	<.1	29	.24	.020	11	11	.17	51	.08	<2	.79	.01	.03	<2	.1	48	<.3	.1	2.3	<1
51230	.5	5.7	6.8	48.6	30	8	3	182	1.84	1.3	<5	2	26	.05	<.2	<.1	38	.29	.045	12	15	.22	77	.08	3	1.12	.02	.07	<2	<.1	33	<.3	<.1	3.0	<1
51231	.3	4.5	5.6	40.9	72	9	4	271	1.58	1.1	<5	3	25	.08	.2	.1	35	.30	.047	11	14	.17	84	.11	<2	.76	.01	.08	<2	.1	19	<.3	.1	2.2	<1
51232	.5	6.5	6.4	66.2	31	8	4	341	1.90	1.9	<5	2	19	.04	.2	.1	37	.21	.069	10	15	.22	110	.07	2	1.83	.01	.04	<2	<.1	36	<.3	.1	4.3	<1
51233	.7	6.7	7.3	64.5	66	11	5	1180	1.84	1.9	<5	1	28	.15	.2	<.1	37	.38	.067	10	13	.19	115	.07	<2	1.38	.01	.06	<2	.1	47	<.3	.1	4.2	<1
51234	.3	4.3	5.8	36.7	30	8	4	253	1.54	1.1	<5	3	23	.04	<.2	.1	35	.29	.019	13	13	.18	63	.10	<2	.85	.02	.05	<2	<.1	24	<.3	.1	2.1	<1
51235	.4	8.6	5.2	41.4	69	11	4	338	1.97	2.0	<5	2	34	.05	.3	<.1	37	.44	.020	16	14	.27	82	.07	2	1.51	.02	.05	<2	.1	44	<.3	.1	3.5	3
51236	.8	12.0	6.1	103.9	59	13	10	426	3.57	5.0	<5	2	98	.10	.2	<.1	83	.71	.123	12	14	.76	194	.11	2	2.57	.03	.09	<2	.1	213	<.3	.1	8.0	<1
51237	.6	11.4	6.0	43.5	57	8	7	325	2.46	9.6	<5	3	44	.05	.5	.1	61	.40	.022	18	20	.34	75	.09	<2	1.27	.02	.07	<2	.1	73	<.3	.1	3.7	<1
51238	.7	6.0	6.3	56.7	68	6	4	794	1.56	2.6	<5	1	23	.08	<.2	<.1	35	.24	.033	13	12	.19	85	.07	3	1.03	.01	.06	<2	.1	46	<.3	.1	3.2	<1
51239	.9	8.6	6.0	71.5	<30	12	8	652	2.78	21.5	<5	2	33	.05	.5	.1	63	.38	.040	18	22	.62	89	.05	<2	2.47	.01	.05	<2	.1	55	<.3	.1	5.4	<1
51240	1.0	7.7	8.0	64.2	32	9	6	1110	2.06	13.7	<5	2	32	.11	.3	.1	42	.33	.024	15	15	.22	116	.08	<2	1.38	.01	.09	<2	.1	51	<.3	.1	4.0	1
51241	.9	6.4	5.9	39.7	42	6	4	417	2.11	3.5	<5	2	28	.07	.2	<.1	47	.31	.028	13	16	.22	92	.07	<2	1.27	.02	.09	<2	.1	48	<.3	.1	3.9	4
51242	1.6	22.2	11.2	40.4	259	16	10	631	3.36	8.5	<5	4	123	.21	.8	.1	67	1.54	.016	60	21	.70	118	.01	4	2.85	.02	.08	<2	.2	140	<.3	.1	8.7	2
51243	.7	9.2	6.4	57.8	84	6	6	447	2.11	3.0	<5	1	58	.19	.2	.1	43	.51	.055	16	16	.23	108	.07	<2	1.03	.01	.06	<2	.1	59	<.3	.1	2.6	6
RE 51243	.8	10.5	7.2	59.2	83	9	5	446	2.08	3.3	7	1	57	.20	.2	<.1	43	.49	.055	16	17	.21	105	.08	7	1.01	.02	.07	<2	<.1	68	<.3	.1	2.7	<1
51244	.9	7.7	8.5	89.3	56	6	4	320	1.87	3.3	<5	2	37	.16	.3	<.1	36	.41	.101	20	14	.19	66	.05	<2	.94	.01	.12	<2	.1	66	<.3	.1	2.6	<1
51245	.9	6.3	9.1	194.3	92	2	4	643	1.73	10.3	<5	3	43	.17	.5	<.1	29	.32	.139	22	11	.14	145	.04	<2	.96	.01	.10	<2	.1	40	<.3	.1	3.4	<1
51246	.5	4.9	5.6	33.6	40	6	4	267	1.81	3.8	<5	3	15	.03	<.2	<.1	40	.18	.035	13	14	.17	65	.08	<2	.75	.01	.05	<2	<.1	31	<.3	.1	2.2	4
51247	.6	3.2	6.1	40.9	37	4	3	193	1.33	2.6	<5	3	18	.04	<.2	.1	29	.23	.020	16	10	.12	44	.07	<2	.65	.01	.08	<2	<.1	61	<.3	<.1	1.8	<1
51248	.9	4.0	9.5	39.2	55	2	2	242	1.15	1.0	<5	3	24	.09	<.2	<.1	22	.27	.019	23	9	.09	48	.04	<2	.56	.01	.13	<2	.1	41	<.3	<.1	1.7	2
51249	.5	3.1	6.3	36.6	36	3	3	166	1.19	1.8	<5	3	16	.02	<.2	<.1	26	.19	.035	16	9	.11	55	.05	<2	.79	.01	.05	<2	.1	19	<.3	<.1	2.6	3
51250	.6	2.4	6.6	44.2	59	3	2	144	1.26	1.6	<5	3	12	.02	<.2	<.1	26	.14	.065	15	9	.07	63	.05	<2	.69	.01	.06	<2	.1	21	<.3	.1	2.8	1
51251	.8	3.4	9.2	52.8	145	3	2	157	1.17	9.3	<5	4	19	.04	.3	<.1	26	.15	.042	20	9	.08	66	.05	<2	.52	.01	.07	<2	.1	35	<.3	.1	2.8	<1
51252	.8	3.2	9.3	55.5	128	4	4	629	1.45	14.8	<5	4	23	.03	.3	.1	30	.19	.041	18	11	.10	93	.06	5	.73	.01	.06	<2	<.1	39	<.3	.1	2.5	1
51253	.7	5.2	7.3	95.4	100	5	4	208	1.84	7.6	5	2	22	.05	.2	<.1	40	.22	.024	13	15	.15	57	.09	<2	.88	.01	.07	<2	.1	32	<.3	.1	3.8	11
51254	.7	6.3	6.3	31.5	<30	7	5	207	1.99	9.4	<5	3	19	.02	.5	<.1	46	.21	.036	14	17	.18	58	.10	<2	.84	.01	.06	<2	.1	27	<.3	.1	2.5	1
51255	.5	3.4	6.3	32.0	<30	3	2	182	1.13	2.5	<5	4	21	.02	<.2	<.1	23	.18	.026	19	9	.11	37	.07	<2	.70	.01	.14	<2	<.1	36	<.3	<.1	2.0	<1
STANDARD D/AU-S	22.1	127.6	91.4	252.1	1837	28	14	957	4.26	78.7	17	19	54	2.15	9.2	21.2	63	.68	.084	17	48	1.16	232	.13	22	2.20	.04	.70	19	2.1	451	.8	1.9	6.7	45

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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 ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
51256	.5	6.5	4.6	44.4	44	5	3	243	1.56	2.5	<5	2	26	.05	.2	.1	33	.25	.025	12	15	.15	54	.09	<2	.77	.02	.07	<2	<.1	41	<.3	.1	2.3	2
51257	.4	5.2	3.6	55.8	55	8	3	240	1.81	2.0	<5	2	27	.05	.2	.1	36	.30	.060	10	18	.17	72	.08	3	.93	.02	.09	<2	<.1	40	<.3	.1	2.3	3
51258	.5	6.0	4.8	44.4	46	5	3	225	1.80	2.0	<5	2	20	.05	.2	.1	39	.24	.034	9	16	.17	51	.10	2	.80	.01	.07	<2	<.1	28	<.3	.1	2.4	7
51259	.5	9.0	4.9	40.6	32	7	4	178	1.97	3.8	<5	2	22	.04	.2	.1	44	.24	.022	10	20	.18	50	.11	<2	.76	.02	.06	<2	.1	29	<.3	.2	2.8	1
51260	.3	5.2	3.8	42.2	<30	9	3	142	1.63	1.6	<5	2	20	.02	<.2	<.1	37	.23	.018	10	17	.15	55	.11	<2	.77	.01	.07	<2	<.1	38	<.3	.1	1.9	5
51261	.5	16.3	5.8	54.5	49	15	7	419	3.02	6.3	<5	4	56	.12	.4	.1	53	.49	.052	23	25	.30	69	.08	<2	1.38	.02	.16	<2	.1	69	<.3	.1	3.4	2
51262	.3	5.8	9.8	42.8	<30	8	4	178	1.84	2.1	<5	2	23	.03	<.2	<.1	39	.22	.024	9	19	.15	44	.09	<2	.82	.01	.07	<2	<.1	34	<.3	<.1	1.9	2
51263	.6	13.5	6.8	121.4	82	8	6	235	2.01	1.6	<5	1	34	.09	<.2	.1	41	.31	.060	9	23	.18	86	.08	<2	1.62	.02	.09	<2	<.1	42	<.3	.1	6.3	1
51264	.5	8.2	4.5	49.2	40	9	4	287	1.78	2.4	<5	1	35	.05	<.2	.1	34	.32	.057	13	19	.16	69	.07	<2	1.09	.02	.05	<2	<.1	69	<.3	<.1	2.8	1
RE 51264	.5	8.6	4.4	45.9	<30	8	4	325	1.86	3.1	<5	2	32	.04	.2	.1	36	.30	.052	13	17	.15	69	.08	<2	1.07	.01	.05	<2	<.1	61	<.3	.1	2.7	1
51265	.6	10.0	5.0	43.0	<30	10	6	374	2.14	5.5	<5	2	31	.05	.3	.1	43	.28	.046	15	19	.18	82	.09	<2	1.20	.01	.06	<2	<.1	66	<.3	.1	3.1	1
51266	.3	4.8	5.8	30.9	<30	7	4	266	1.49	2.6	<5	3	25	.03	.2	<.1	31	.29	.038	12	15	.18	56	.10	<2	.85	.02	.05	<2	<.1	50	<.3	.1	2.1	1
51267	.4	8.0	4.8	72.3	<30	12	5	176	1.91	4.2	<5	2	19	.04	<.2	.1	38	.20	.089	9	16	.17	77	.08	<2	1.50	.01	.05	<2	<.1	38	<.3	<.1	3.7	<1
51268	.5	6.0	4.5	31.9	<30	7	4	164	1.88	4.9	<5	2	25	.04	.2	.1	40	.26	.042	9	15	.17	60	.10	<2	1.04	.01	.06	<2	<.1	59	<.3	.1	2.5	1
51269	.7	9.1	6.1	37.2	<30	10	4	203	2.11	6.3	<5	2	24	.04	.3	<.1	44	.26	.050	11	17	.19	73	.09	<2	1.15	.01	.06	2	<.1	58	<.3	.1	3.8	1
51270	.5	6.3	4.6	41.9	<30	7	4	197	1.92	4.6	<5	2	22	.04	<.2	.1	39	.23	.074	9	15	.15	73	.08	<2	1.16	.01	.07	<2	<.1	36	<.3	<.1	2.9	<1
51271	.4	6.3	4.7	40.6	<30	9	4	181	1.93	3.9	<5	2	26	.02	.3	<.1	43	.24	.034	10	17	.18	89	.10	<2	1.05	.01	.05	<2	<.1	44	<.3	.1	2.6	3
51272	.6	5.2	4.6	64.9	49	5	5	370	1.45	2.0	<5	1	21	.06	.2	.1	32	.23	.039	9	14	.11	85	.08	<2	.85	.01	.07	<2	.1	97	<.3	.1	3.2	<1
51273	.6	7.3	6.1	136.9	48	6	6	346	1.97	22.8	<5	2	34	.09	2.4	<.1	40	.31	.086	11	18	.17	98	.08	<2	1.16	.01	.10	<2	<.1	65	.5	<.1	3.1	<1
51274	.7	8.8	6.5	185.8	99	10	5	484	1.86	3.0	<5	2	28	.08	.4	<.1	38	.26	.055	12	18	.15	109	.08	<2	1.41	.01	.07	<2	.1	29	<.3	.1	4.4	3
51275	.5	23.6	6.4	75.5	69	21	10	703	3.55	4.9	<5	3	59	.08	.3	<.1	54	.54	.057	28	26	.30	97	.08	<2	1.47	.03	.08	2	.1	49	<.3	<.1	3.6	3
51276	.5	17.5	6.1	57.6	54	17	9	494	3.48	4.9	<5	3	51	.05	.6	.1	57	.45	.051	19	31	.28	83	.09	<2	1.25	.03	.08	<2	.1	54	<.3	.1	3.3	1
51277	.2	6.1	5.8	32.9	37	6	4	255	1.90	3.0	<5	3	34	.02	.2	.1	37	.39	.044	16	17	.25	56	.11	<2	.87	.03	.06	<2	<.1	38	<.3	<.1	2.3	1
51278	.3	10.1	4.5	50.6	139	8	4	379	2.01	2.3	<5	2	60	.08	.2	.1	34	.46	.015	17	16	.24	84	.10	<2	1.02	.02	.06	<2	.1	39	<.3	<.1	2.5	<1
51279	.3	27.8	5.1	55.6	<30	19	10	463	3.12	1.1	<5	5	50	.06	<.2	<.1	59	.79	.163	37	47	.31	42	.03	<2	1.00	.03	.06	<2	.1	6	<.3	<.1	2.8	3
51280	.4	8.0	4.3	92.3	84	8	4	260	1.84	1.0	<5	1	30	.05	<.2	.1	39	.28	.030	9	19	.23	85	.11	<2	1.13	.01	.04	<2	<.1	24	<.3	<.1	3.4	1
51281	.7	14.9	4.6	79.3	93	15	10	791	2.89	2.3	<5	2	53	.10	.2	.1	51	.51	.079	12	31	.23	96	.09	<2	1.31	.03	.09	<2	<.1	65	<.3	<.1	3.3	<1
51282	.3	12.2	4.6	134.6	182	12	4	566	2.28	.8	<5	1	42	.13	<.2	<.1	40	.43	.025	11	26	.22	82	.10	<2	1.32	.02	.07	<2	.1	43	<.3	<.1	3.6	1
51283	.3	5.1	4.4	57.7	<30	6	3	249	1.49	.7	<5	1	14	.04	<.2	.1	31	.15	.047	8	16	.10	64	.09	<2	.88	.01	.06	<2	<.1	15	<.3	<.1	3.2	1
51284	.3	18.9	4.6	102.0	71	13	6	421	3.40	1.5	<5	2	54	.10	.4	.1	47	.59	.021	14	37	.36	58	.09	2	1.17	.03	.07	<2	<.1	38	<.3	<.1	3.4	<1
51285	.4	27.1	4.8	65.4	139	21	5	612	2.71	2.6	<5	<1	122	.29	.8	.1	33	1.38	.040	28	23	.42	112	.05	<2	.94	.03	.08	<2	<.1	81	<.3	<.1	2.5	<1
51286	1.6	65.4	5.3	57.2	473	61	6	855	2.83	7.2	<5	<1	255	.54	2.1	.1	28	3.11	.072	65	19	.64	161	.01	3	1.51	.03	.10	<2	.1	121	.4	<.1	3.2	<1
51401	.9	13.2	8.2	45.7	112	11	5	763	2.13	7.0	<5	1	54	.12	.4	.1	35	.56	.060	37	15	.26	116	.06	<2	1.78	.01	.08	<2	.1	59	<.3	<.1	4.5	<1
51402	.6	5.6	5.2	45.1	55	6	4	285	1.89	5.1	<5	2	30	.04	.2	.1	36	.27	.132	13	14	.16	116	.07	<2	1.16	.01	.05	<2	<.1	35	<.3	<.1	3.4	1
STANDARD D/AU-S	22.7	119.3	85.4	264.1	1935	29	14	1017	4.40	74.1	19	18	53	2.19	9.2	20.6	63	.70	.094	18	48	1.18	228	.14	23	2.32	.04	.72	18	2.2	458	1.0	2.1	6.3	52

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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 ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
51403	.5	4.4	5.3	32.0	<30	6	3	180	1.43	3.4	<5	3	24	.03	.4	.1	30	.23	.030	13	12	.17	57	.08	<2	.94	.01	.05	<2	.1	16	<.3	<.1	2.8	<1
51404	1.4	4.8	6.0	28.3	<30	7	4	151	1.59	8.2	<5	3	22	.02	.5	.1	32	.22	.037	15	13	.18	60	.08	<2	.99	.01	.05	<2	.1	31	<.3	.1	3.5	1
51405	.5	4.7	6.0	30.4	38	6	2	178	1.44	4.3	<5	2	26	.02	.4	.1	30	.25	.030	14	12	.18	57	.08	2	.87	.01	.04	<2	.1	16	<.3	.1	2.8	<1
51406	.9	5.8	8.0	36.0	74	6	4	174	1.61	6.4	<5	2	29	.02	.5	.1	29	.27	.034	15	13	.25	85	.05	2	1.54	.01	.07	<2	.1	47	<.3	.2	5.3	1
51407	.7	4.7	5.8	30.2	134	4	3	123	1.39	7.8	<5	3	19	.02	.4	.1	28	.16	.019	13	12	.18	64	.06	8	1.11	.01	.04	<2	.1	34	<.3	<.1	3.7	<1
51408	.7	5.4	7.2	28.8	48	6	4	222	1.51	6.8	<5	2	22	.02	.5	.1	29	.20	.023	16	12	.21	64	.06	<2	1.16	.01	.05	<2	.2	42	<.3	.1	3.8	<1
51409	.5	4.1	6.1	30.3	35	6	3	128	1.25	4.9	<5	2	17	.02	.4	.1	27	.17	.016	13	11	.16	55	.07	3	.85	.01	.04	<2	.1	24	<.3	.1	3.0	2
51410	1.3	4.0	7.3	26.4	63	5	3	113	1.63	14.1	<5	3	17	.02	.4	.1	36	.17	.030	15	12	.12	51	.07	3	1.01	.01	.04	<2	.1	21	<.3	<.1	4.3	1
STANDARD D/AU-S	22.5	123.4	82.9	256.2	1918	28	14	996	4.37	76.7	18	19	55	2.20	10.0	20.5	62	.67	.083	17	51	1.17	229	.13	23	2.19	.04	.69	20	2.3	454	1.0	2.1	6.7	52

Sample type: SOIL.

weak to moderate argillic alteration of rhyolite

Sheared andesite
weak to mod. propylitic alt.

Fractured andesite
silica flooded

Weak to moderate argillically altered rhyolite

Brecciated rhyolite

Vesicular basalt

Vesicular basalt

Rhyolite tuff

Local scoria fragments in breccia

Weak to moderate argillic alt. in qtz phyric rhyolite

qtz phyric rhyolite

SAUNDERS HILL

qtz & biotite phyric rhyolite

silica flooded rhyolite breccia

qtz phyric rhyolite
weak argillic alt.

SAUNDERS PROPERTY CLAIM BOUNDARY

DEERHORN F. S. R.

INDATA REACH

(NATALKUZ LAKE)

53°33'

125°25'

5935000 m N

340000 m E

5937000 m N

343000 m E

LEGEND

EOCENE

ENDAKO GROUP

EEb — Basalt, minor andesite

OOTSA LAKE GROUP

Eor — Rhyolite (quartz ± feldspar ± phyric)

KASALKA GROUP

Ka — Andesite, minor basalt

SYMBOLS

- Geological contact (approximate)
- Fault (approximate)
- Outcrop
- Shear (inclined, vertical)
- Float
- Joint (vertical)
- Layering (inclined)
- Gossan
- Lake / pond
- Creek
- Contour; (contour interval 100ft)
- UTM coordinate
- Road

0 100 200 300 400
SCALE IN METRES

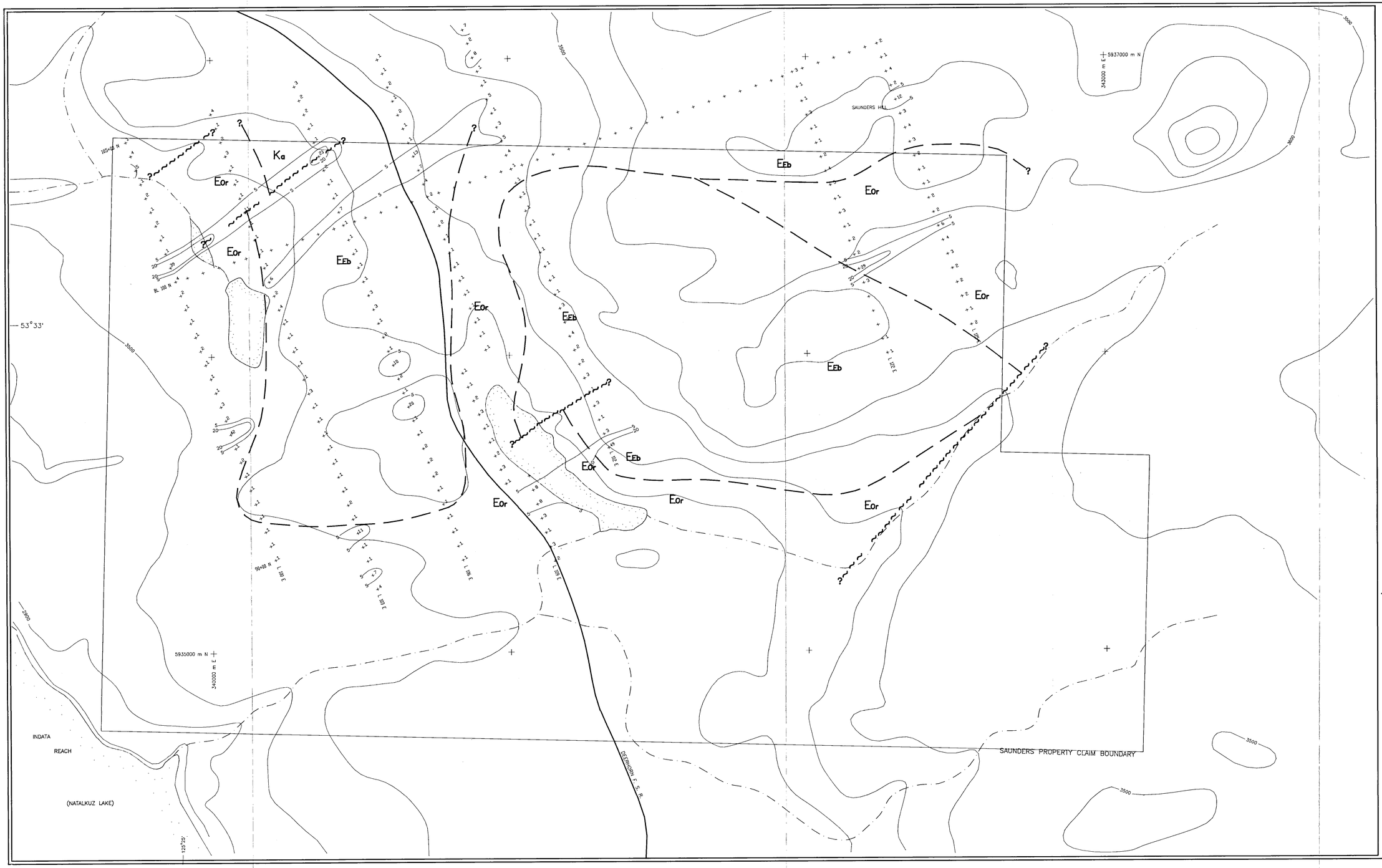
PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 259 (Saunders Property) — OMINECA M.D.

PROPERTY GEOLOGY

SCALE	DATE	BY	NTS NO.	FIGURE
1:5000	NOV./95	CWP	93 F/11	4

FOX GEOLOGICAL SERVICES INC.



LEGEND

EOCENE

ENDAKO GROUP

Efb — Basalt, minor andesite

OOTSA LAKE GROUP

Eor — Rhyolite (quartz ±feldspar±phyric)

KASALKA GROUP

Ka — Andesite, minor basalt

SYMBOLS

Geological contact (approximate)

Fault (approximate)

Gold value ppb

Grid line station, soil sample site

Grid line number

Contour values in ppb

Lake / pond

Creek

Contour; (contour interval 100ft)

UTM coordinate

Road

0 100 200 300 400
SCALE IN METRES

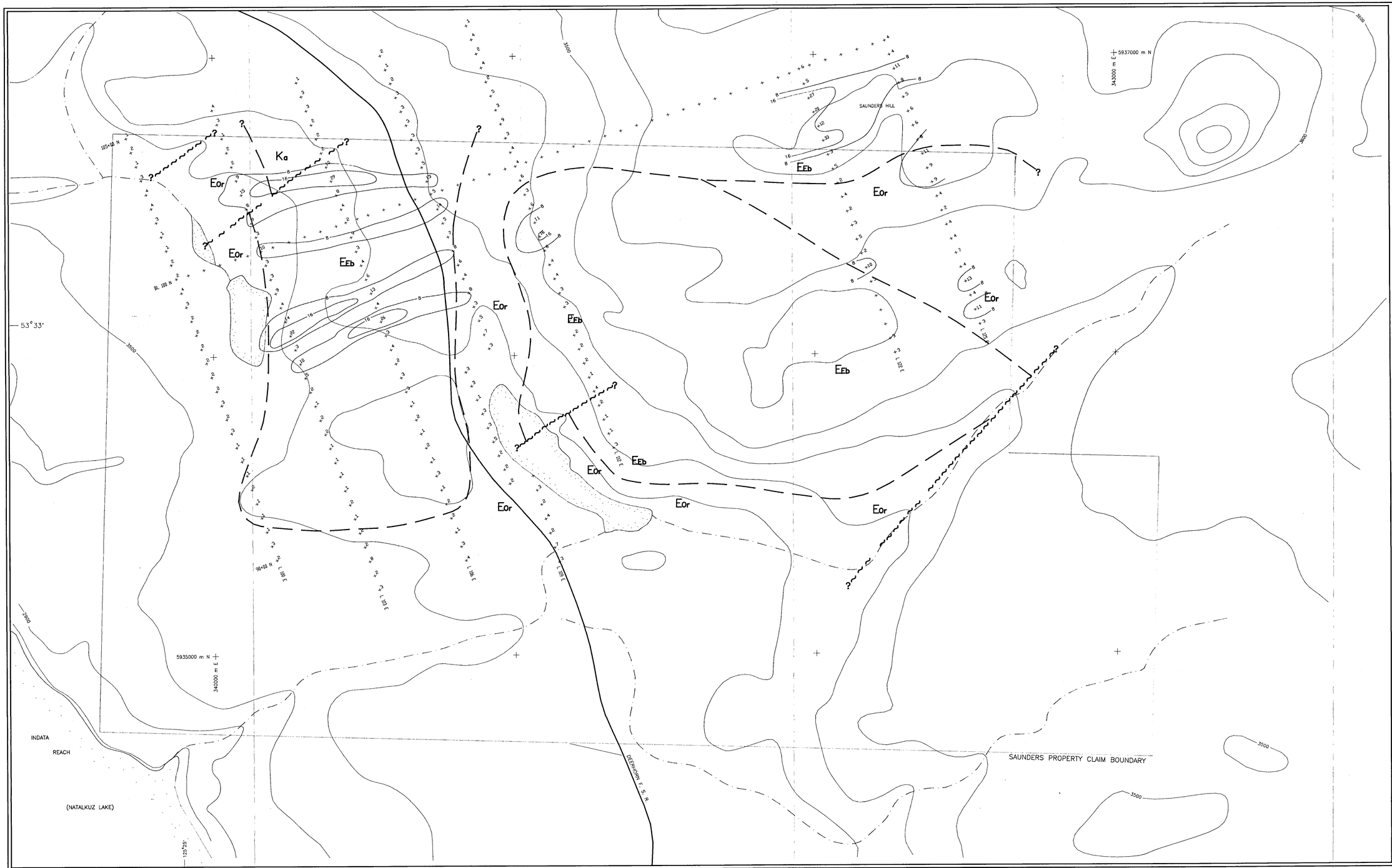
PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 259 (Saunders Property) OMINECA M.D.

SOIL GEOCHEMICAL RESULTS
GOLD ppb

SCALE	DATE	BY	NTS NO.	FIGURE
1:5000	NOV./95	CWP	93 F/11	7

FOX GEOLOGICAL SERVICES INC.



LEGEND

EOCENE

ENDAKO GROUP

EEb — Basalt, minor andesite

OOTSA LAKE GROUP

EOr — Rhyolite (quartz ±feldspar±phyric)

KASALKA GROUP

Ka — Andesite, minor basalt

SYMBOLS

- Geological contact (approximate)
- Fault (approximate)
- Arsenic value ppm
- Grid line station, soil sample site
- Grid line number
- Contour values in ppm
- Lake / pond
- Creek
- Contour; (contour interval 100ft)
- UTM coordinate
- Road

0 100 200 300 400
SCALE IN METRES

PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 259 (Saunders Property) OMINECA M.D.

SOIL GEOCHEMICAL RESULTS
ARSENIC ppm

SCALE	DATE	BY	NTS NO.	FIGURE
1:5000	NOV./95	CWP	93 F/11	8

FOX GEOLOGICAL SERVICES INC.

LEGEND

EOCENE

ENDAKO GROUP

EEb	Basalt, minor andesite

OOTSA LAKE GROUP

EOr	Rhyolite (quartz ±feldspar±phyric)

KASALKA GROUP

Ka	Andesite, minor basalt

SYMBOLS

Geological contact (approximate)

Fault (approximate)

BL 100 N +15 +37 Mercury value ppb

Grid line station, soil sample site

99+00 N +3 L 100 E Grid line number

100 70 Contour values in ppb

Lake / pond

Creek

3500 Contour; (contour interval 100ft)

5937000 m N 343000 m E UTM coordinate

Road

GEOLOGICAL BRANCH ASSESSMENT REPORT

24,191

0 100 200 300 400

SCALE IN METRES

PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 259 (Saunders Property) OMINECA M.D.

SOIL GEOCHEMICAL RESULTS MERCURY ppb

SCALE	DATE	BY	NTS NO.	FIGURE
1:5000	NOV./95	CWP	93 F/11	9 (4)

FOX GEOLOGICAL SERVICES INC.

SAUNDERS HILL

5937000 m N

343000 m E

3500

Ka

Eor

EEb

53°33'

5935000 m N

343000 m E

2000

INDATA REACH

(NATALKUZ LAKE)

125°52'

SAUNDERS PROPERTY CLAIM BOUNDARY

GITSEGUKLA I.R. 8

LEGEND

EOCENE

ENDAKO GROUP

EEb — Basalt, minor andesite

OOTSA LAKE GROUP

Eor — Rhyolite (quartz ±feldspar±phyric)

KASALKA GROUP

Ka — Andesite, minor basalt

SYMBOLS

Geological contact (approximate)

Fault (approximate)

Mercury ppb
Arsenic ppm
Silver ppb
Gold ppb
Rock sample number
Outcrop
Float

Lake / pond

Creek

Road

UTM coordinate

Contour; (contour interval 100ft)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,191

N

0 100 200 300 400
SCALE IN METRES

PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 259 (Saunders Property) OMINECA M.D.

ROCK SAMPLE LOCATION MAP
ROCK GEOCHEMICAL RESULTS

SCALE	DATE	BY	NTS NO.	FIGURE
1:5000	NOV./95	CWP	93 F/11	5

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SYMBOLS

- Soil sample number
- Grid line station, soil sample site
- Grid line number
- Lake / pond
- Creek
- Contour; (contour interval 100ft)
- UTM coordinate
- Road

GEOLOGICAL BRANCH ASSESSMENT REPORT

24,191

0 100 200 300 400

SCALE IN METRES

PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 259 (Saunders Property) OMINECA M.D

SOIL GEOCHEMICAL RESULTS

SOIL SAMPLE LOCATION AND NUMBER

SCALE	DATE	BY	NTS NO.	FIGURE
1:5000	NOV./95	CWP	93 F/11	6

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