FOX GEOLOGICAL CONSULTANTS LTD.

LOG NO: Feb 21/91 RD.
ACTION:

FILE NO:

GEOCHEMICAL REPORT ON THE

LUND PROSPECT

NICOLA MINING DIVISION

by

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

FOX GEOLOGICAL CONSULTANTS LTD.
1409 - 409 Granville Street
Vancouver, B.C. V6C 1T8

NTS 92I2
120°37' 50°05'
Lund 1 to 3 Claims
Annual Work Approval #: Kam 90-1500229-776

February 12, 1991

SUB-RECORDER
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VANCOUVER, B.C.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,977

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SUMMARY

This report summarizes the 1990 work program done on the Lund claims during the period November 4 to November 8, 1990. Three claims (55 units) are situated in the Nicola Mining Division, NTS mapsheet 92I2. The property has been the focus of copper exploration since the early 1950's. Access is gained by a series of logging and exploration roads which branch from Highway 5 approximately ten kilometres east of Merritt. Rolling hills and open stands of birch, spruce, cottonwood and fir comprise local physiography. Ten line-kilometres of soil line were established on which 173 soil samples and 18 rock samples were collected. A total of $5,976.00 was spent on the claims.

INTRODUCTION

A program of grid preparation and geochemical sampling was performed on the Lund prospect during the period November 4 to 8, 1990. The grid covers copper-bearing Nicola rocks exposed in open meadows two kilometres east of Lundbom Lake just east of Highway 5.

LOCATION

The Lund prospect (Figure 1) is located ten kilometres east of Merritt in the Nicola Mining Division. The prospect is approximately 50°05'N and 120°37'W on NTS mapsheet 92I2. Highway 5 provides access to the western part of the property from which a network of local logging and ranch trails provide local access to the claims.

PHYSIOGRAPHY

The claims are situated on gently rolling terrain comprising grassy meadows and small stands of timber. Relief is approximately 50 metres. The region is dotted with small lakes and swampy depressions and forest cover, where present, consists of thin stands of cottonwood, birch, alder and spruce.

CLAIM INFORMATION

The property comprises three claims (Lund 1 to 3) totalling 55 units that cover much of the area east of Lundbom Lake (Figure 2). Expiry dates, assuming the work presented in this report is accepted for assessment purposes, will be advanced one year. The claims are listed below along with revised expiry dates.

Claim Name	Record No.	No. of Units	Expiry Date
Lund 1	2281	15	November 19, 1991
Lund 2	2282	20	November 19, 1991
Lund 3	2283	20	November 19, 1991

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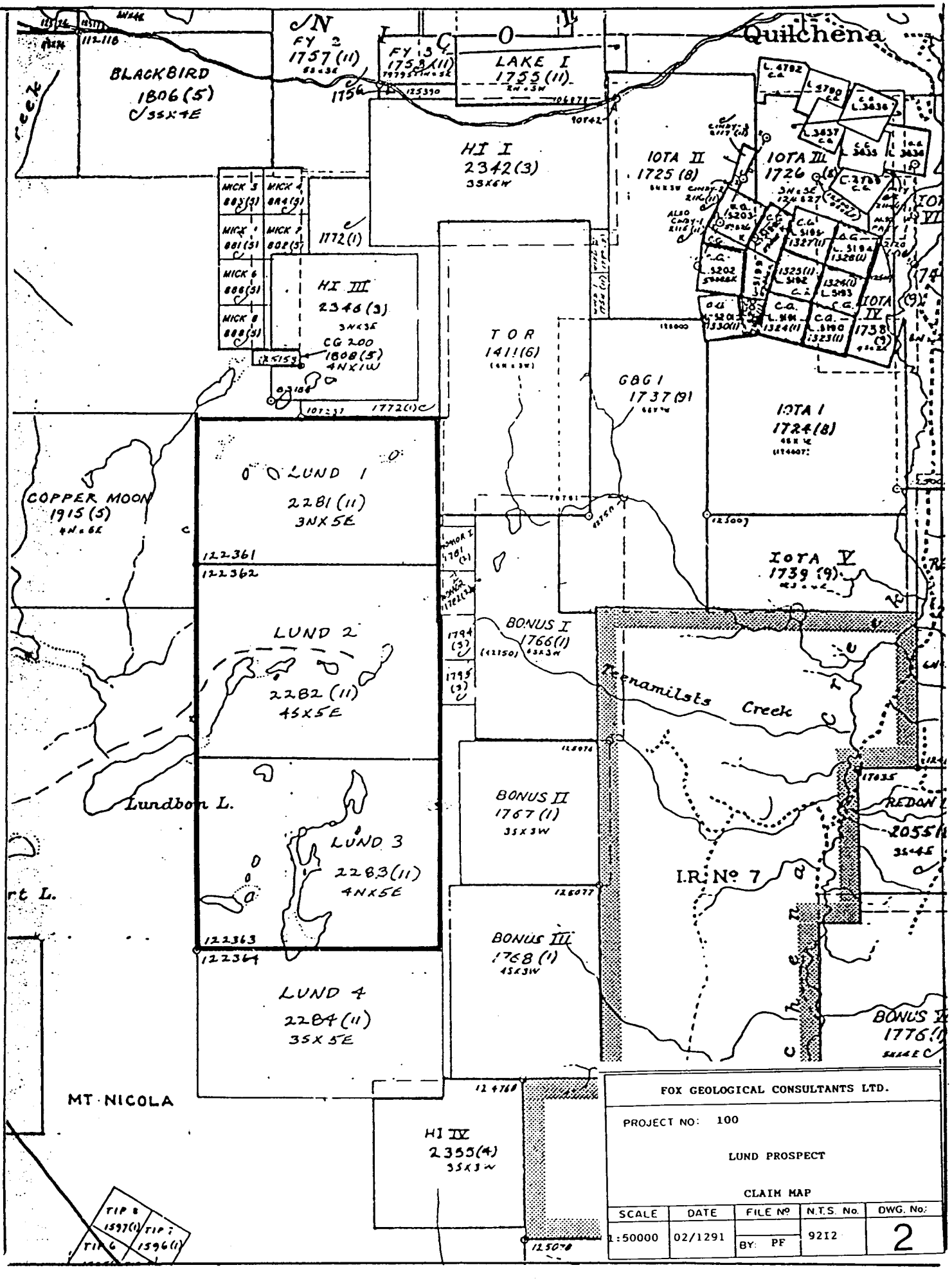
PROPERTY LOCATION PLAN

LUND CLAIMS

FOX GEOLOGICAL CONSULTANTS LTD.

DATE		N.T.S.	Dwg. No.
02-12-91	PF	92I2	1



FOX GEOLOGICAL CONSULTANTS LTD.				
PROJECT NO: 100				
LUND PROSPECT				
CLAIM MAP				
SCALE	DATE	FILE No	N.T.S. No.	DWG. No:
1:50000	02/1291	BY: PF	92I2	2

PREVIOUS WORK

Small pits and trenches were excavated during the 1960's and 1970's exploring for and testing numerous copper prospects that dot the hilly terrain east of Lundbom Lake. These comprise small stringers bearing chalcopyrite, bornite and broad zones of malachite-stained Nicola volcanics and small syenitic intrusions. There is no evidence of drilling work or comprehensive geochemical or geophysical surveys.

REGIONAL GEOLOGY

The prospect lies in Nicola rocks comprising a northerly striking series of reddish basaltic rocks, interbedded wackes and local carbonate-rich rocks all cut by a series of monzonitic bodies exposed east and north of Lundbom Lake. Volcanic strata strike northerly and dip 35° east. These rocks are locally overlain by chert pebble conglomerate of Upper Jurassic age. Numerous copper-gold prospects occur in Nicola rocks just to the south in the Aspen Grove area.

LOCAL GEOLOGY

The Lund claims are underlain by reddish volcanic flow units and numerous sills and dykes of diorite and monzonite. A large body of diorite-monzonite is exposed over much of the Lund 1 claim. The grid area covers the south extension of this body north of a small pond off the east end of Lundbom Lake. All rocks are highly fractured forming low, rubbly outcrops. Many of these contain low grade chalcopyrite, bornite and malachite. The grid area was established over the best of the prospects.

WORK PROGRAM

One hundred and seventy-three soil samples were collected on ten line-kilometres of flagged grid established on the Lund 2 claim. Grid lines were spaced every 100 metres along a baseline with sample stations at 50-metre intervals. Soil samples ranged from moderately developed B-horizon soils to a small number of colluvial and glacial subsoils. All analyses were performed by Acme Analytical Laboratories, 852 East Hastings Street, Vancouver, B.C. Chemical procedures, results and field data are described in Appendix I. Results for gold and copper are plotted in Figure 3.

RESULTS

All elements are at background levels for typical soils in the region. Copper contents average about 60 ppm and gold around 5 ppb. Concentrations of Mo, Zn, Pb, Ag and As are at background levels. Rock samples taken from various prospect outcrops returned low concentrations of copper except for sample #30595 which returned 1,625 ppm copper.

CONCLUSIONS

The sampling program near Lundbom Lake returned little of significance. No further work is justified.

DISBURSEMENTS

Accommodation and Board - 2 men x 5 days @ $50/day		$ 500.00
Geochemical Samples - Acme Analytical Laboratories		
173 soils @ $6.25		
18 rocks @ $12.25		1,301.75
Automobile Expense - Fuel & Oil		200.00
Field Supplies - Bags, Pickets, Flagging		250.00
Salaries		
G. Goodall	5 days @ $350	
R. Roe	5 days @ $250	3,000.00
Maps, Reproductions and Report		575.00
Total Disbursements		**$ 5,976.75**

Prepared by:
FOX GEOLOGICAL CONSULTANTS LTD.

P. E. Fox, Ph.D., P. Eng.
February 12, 1991

CERTIFICATE

I, Peter Edward Fox, certify to the following:

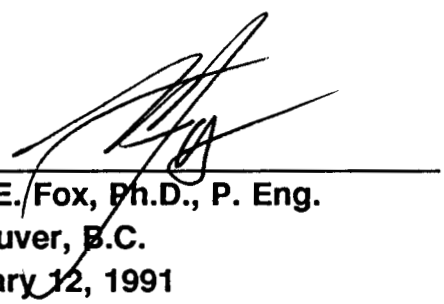
1. I am a consulting geologist residing at 890 Farmleigh Road, West Vancouver, B.C.

2. I am a Professional Engineer registered in the Association of Professional Engineers in 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 and geophysical work since graduation in 1966 and directly supervised the work described herein.



Peter E. Fox, Ph.D., P. Eng.
Vancouver, B.C.
February 12, 1991

APPENDIX I

Analytical Results
by
Acme Analytical Laboratories Ltd.
852 East Hastings Street, Vancouver, B.C.

Geochemical ICP Analysis

.500 gram samples is digested with 3ml of 3-1-2 HCL-HNO^3-H^2O at 95°C for one hour and is diluted to 10ml with water. This leach is partial form Mn, Fe, Ca, P, Cr, Mg, Ba, Ti, B, Al, K, W, Si, Zr, Ce, Sn, Y, Nb and Ta. Au detection limit by ICP is 3 ppm. Samples types: soils -80 mesh. Au analysis by AA from 10 gram sample.

Geochemical Au Analysis by AA

10 gram sample is ignited at 600°C, digested with hot aqua regia, extracted by MIBK, analyzed by graphite furnace AA.

Project 138
LUND Property
1990 Geochemical Results

Sample	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Ca (%)	Ni (ppm)	Co (ppm)	Fe (%)	As (ppm)	Au (ppb)	Sample Type	Remarks	Grid	North	East
30522	129	3	74	0.1	1.32	32	23	4.78	2	2	GRAB	BASALT W/TRACE PYRITE			
30523	1171	2	1	0.3	0.58	15	31	28.94	4	2	GRAB	MASSIVE MAGNETITE IN EPIDOTE.			
30524	564	3	11	0.1	1.19	29	57	2.99	2	1	GRAB	BASALT W/CP,EP			
30525	1131	2	17	0.3	1.25	27	101	4.13	3	2	GRAB	BASALT W/CP,MALACHITE & HEMATITE.			
30526	143	2	19	0.2	1.94	20	44	7.93	15	3	GRAB	BASALT W/EP.STRINGERS 2% DISS.CP		10310	11435
30527	47	2	34	0.1	0.83	55	16	3.39	6	2	GRAB	BASALT W/ TRACE CP.		10315	11435
30528	36	3	8	0.2	0.88	15	22	4.04	4	3	GRAB	BASALT - RUSTY W/EP & PY.		10390	11060
30529	173	2	12	0.5	1.14	25	27	4.19	8	1	GRAB	MASSIVE EP.- RUSTY		10400	11060
30592	25	2	1	0.2	1.23	10	27	5.20	7	2	GRAB	MASSIVE EP W/2% SULPHIDES.		10400	11060
30593	110	2	1	0.3	1.09	19	38	2.73	8	3	GRAB	MASSIVE EP W/PY,CP			
30594	964	2	23	0.4	0.55	35	17	4.09	2	2	GRAB	FRAGMENTAL BASALT W/CP & MALACHITE.		10320	9990
30595	1625	2	1	0.2	1.16	20	51	4.62	2	3	GRAB	MASSIVE MAGNETITE W/CP & MALACHITE		10330	10000
30596	29	2	50	0.1	0.78	9	22	6.26	11	2	GRAB	BASALT - EP,PY CP.& HEMATITE		10310	10150
30597	106	2	2	0.2	0.19	6	17	1.85	3	1	GRAB	SILICEOUS SILTSTONE W/DISS.PYRITE		10610	10330
30598	0	0	0	0.0	0.00	0	0	0.00	0	0	GRAB	MASSIVE EP.W/CP.IN QUARTZ STOCKWORK		10605	10340
30599	401	2	42	0.3	0.58	10	15	7.43	7	3	GRAB	BASALT W/CP & MALACHITE.		10670	10440
30600	42	2	11	0.1	3.47	16	15	4.38	5	2	GRAB	BASALT W/LARGE BLEBS CP.TRACE MAL.		10685	10440
30927	48	7	93	0.2	0.47	11	12	3.31	9	3	SOIL	B.L. ROCKY		10000	10000
30928	45	5	56	0.1	0.72	12	10	2.66	3	1	SOIL	ROCKY		10000	10050
30929	43	8	62	0.1	0.75	13	9	2.24	4	1	SOIL			10000	10100
30930	55	8	93	0.2	0.78	15	11	2.70	4	1	SOIL	ROCKY SOIL,NEXT TO ROAD.		10000	10150
30931	55	4	47	0.2	2.58	21	12	2.48	3	2	SOIL	ROCKY SOIL,NEXT TO POND.		10000	10200
30932	61	6	26	0.1	3.07	14	10	2.12	2	1	SOIL			10000	10250
30933	44	8	72	0.2	0.78	17	10	2.77	2	1	SOIL			10000	10300
30934	120	11	45	0.1	1.14	67	21	4.43	9	3	SOIL			10000	10350
30935	37	7	90	0.1	0.52	14	8	2.10	2	1	SOIL			10000	10400
30936	29	5	60	0.1	0.44	14	10	2.87	4	1	SOIL			10000	10450
30937	18	4	58	0.1	0.33	9	6	1.80	2	3	SOIL			10000	10500
30938	25	9	70	0.1	0.41	14	9	2.86	4	1	SOIL			10000	10550
30939	19	6	44	0.1	0.29	12	8	2.59	4	1	SOIL			10000	10600
30940	10	7	80	0.1	0.12	5	4	1.32	2	1	SOIL	ON BEDROCK		10000	10650
30941	44	7	43	0.1	0.45	16	11	3.55	5	2	SOIL			10000	10700
30942	12	5	63	0.1	0.39	7	5	1.81	2	1	SOIL			10000	10750
30943	18	5	67	0.1	0.28	9	6	2.09	2	1	SOIL			10000	10800
30944	33	7	62	0.1	0.61	12	9	2.80	6	1	SOIL			10000	10850
30945	46	2	108	0.1	0.72	10	8	2.57	2	1	SOIL			10000	10900
30946	20	6	87	0.1	0.49	10	7	2.37	2	1	SOIL			10000	10950
30947	18	8	71	0.1	0.41	10	7	2.42	2	2	SOIL			10000	11000
30948	15	4	94	0.1	0.45	8	5	2.00	2	1	SOIL			10000	11050
30949	97	7	45	0.1	2.49	9	5	1.55	2	1	SOIL			10000	11100
30950	33	7	34	0.1	0.74	11	9	2.63	2	12	SOIL			10000	11150
30951	48	8	73	0.1	0.56	17	14	3.86	4	1	SOIL			10000	11200
30952	32	7	74	0.1	0.55	14	10	2.88	3	1	SOIL			10000	11250
30953	23	5	101	0.1	0.39	10	9	2.08	2	1	SOIL			10000	11300
30954	30	6	42	0.1	0.48	13	10	3.30	5	1	SOIL			10000	11350
30955	30	5	66	0.1	0.48	17	10	2.68	2	11	SOIL			10000	11400
30956	44	9	51	0.1	0.58	14	12	3.21	2	1	SOIL			10000	11450
30957	36	3	64	0.1	0.68	15	10	2.72	4	2	SOIL	E.O.L.		10000	11500
30958	60	3	75	0.1	0.64	39	16	3.84	5	1	SOIL	E.O.L.		10100	11500
30959	44	9	95	0.1	0.56	17	12	2.79	5	4	SOIL			10100	11450
30960	161	4	49	0.4	0.77	21	13	3.04	4	5	SOIL			10100	11400
30961	42	5	40	0.1	2.40	12	8	1.95	5	1	SOIL	11350E NO SAMPLE,SWAMP.(SAMPLE 10MS)		10100	11300
30962	34	7	69	0.1	0.49	14	11	3.04	8	1	SOIL			10100	11250

Sample	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Ca (%)	Ni (ppm)	Co (ppm)	Fe (%)	As (ppm)	Au (ppb)	Sample Type	Remarks	Grid	North	East
30963	42	9	84	0.2	0.50	15	13	3.29	6	13	SOIL			10100	11200
30964	48	6	79	0.2	0.51	15	10	3.08	4	1	SOIL			10100	11150
30965	38	8	61	0.1	0.42	14	10	3.23	7	2	SOIL			10100	11100
30966	25	6	69	0.3	0.49	12	9	2.62	3	1	SOIL			10100	11050
30967	70	7	50	0.2	0.67	12	15	4.85	5	1	SOIL			10100	11000
30968	35	6	68	0.1	0.53	16	11	3.15	3	1	SOIL			10100	10950
30969	48	8	60	0.3	1.14	16	12	4.03	8	1	SOIL			10100	10900
30970	42	9	52	0.1	0.48	12	11	4.01	8	1	SOIL			10100	10850
30971	40	8	68	0.1	0.55	12	10	3.20	6	1	SOIL			10100	10800
30972	30	8	30	0.2	0.46	12	10	3.52	2	4	SOIL	10750E NO SAMPLE, POND.		10100	10700
30973	45	9	53	0.2	0.46	16	10	3.44	4	1	SOIL			10100	10650
30974	29	9	40	0.1	0.45	12	10	3.45	2	3	SOIL			10100	10600
30975	17	8	33	0.1	0.36	9	6	2.36	3	2	SOIL			10100	10550
30976	29	9	24	0.2	0.77	13	11	3.43	6	3	SOIL	NEXT TO POND.		10100	10500
30977	53	12	67	0.2	0.72	17	11	3.34	4	1	SOIL	NEXT TO POND, 10450E TO 10250E NO S.		10100	10200
30978	27	3	113	0.1	0.28	9	6	1.85	2	1	SOIL			10100	10150
30979	19	3	85	0.1	0.48	8	6	1.81	3	1	SOIL			10100	10100
30980	22	4	141	0.2	0.38	7	7	1.84	2	1	SOIL			10100	10050
30981	20	9	50	0.1	0.47	10	8	2.39	4	1	SOIL	B.L.		10100	10000
30982	34	8	85	0.2	0.64	13	9	2.60	5	1	SOIL	B.L.		10600	10000
30983	38	7	116	0.1	0.61	13	10	2.70	2	1	SOIL			10600	10050
30984	35	6	85	0.1	0.62	13	10	2.72	4	5	SOIL			10600	10100
30985	29	8	65	0.1	0.47	14	9	2.99	3	1	SOIL			10600	10150
30986	38	10	114	0.3	0.75	13	11	2.85	4	2	SOIL			10600	10200
30987	49	7	118	0.2	0.67	15	13	3.35	3	1	SOIL			10600	10250
30988	70	7	74	0.1	0.71	18	14	3.81	6	6	SOIL			10600	10300
30989	59	10	102	0.3	0.79	15	15	3.59	5	1	SOIL			10600	10350
30990	56	7	93	0.3	0.74	14	14	3.77	4	1	SOIL			10600	10400
30991	53	5	90	0.2	0.68	14	13	3.58	2	1	SOIL	TRENCH		10600	10450
30992	44	6	87	0.1	0.66	15	12	3.25	6	1	SOIL			10600	10500
30993	65	7	78	0.3	1.95	13	10	2.70	3	1	SOIL			10600	10550
30994	71	9	87	0.3	1.27	18	15	3.77	8	2	SOIL			10600	10600
30995	60	7	72	0.2	1.13	15	12	3.16	6	6	SOIL	10M NORTH OF ROAD.		10600	10650
30996	54	7	100	0.1	0.71	15	13	3.19	5	1	SOIL			10600	10700
30997	51	8	82	0.2	0.76	16	14	3.43	5	1	SOIL			10600	10750
30998	41	9	70	0.3	0.59	16	13	3.50	3	1	SOIL	NEXT TO BEAVER POND.		10600	10800
30999	31	5	41	0.1	0.47	13	12	2.83	6	2	SOIL			10600	10850
31000	92	2	32	0.1	0.66	36	22	4.07	2	14	SOIL			10600	10900
31201	51	6	56	0.1	0.48	21	12	3.23	8	3	SOIL			10600	10950
31202	43	3	68	0.1	0.59	16	14	3.42	7	4	SOIL	ROCKY SOIL, E.O.L.		10600	11000
31203	43	7	70	0.1	0.73	32	13	3.21	3	3	SOIL	E.O.L.		10500	11200
31204	47	8	66	0.1	0.89	20	17	2.86	8	4	SOIL			10500	11150
31205	53	6	84	0.1	0.67	24	17	3.80	5	1	SOIL			10500	11100
31206	33	4	95	0.1	0.62	13	10	2.51	4	5	SOIL			10500	11050
31207	54	4	44	0.1	0.62	24	15	3.13	3	2	SOIL			10500	11000
31208	24	3	61	0.1	0.38	15	14	3.42	11	8	SOIL	EXCELLENT "B" HORIZON		10500	10950
31209	34	5	62	0.1	0.70	34	17	4.22	7	4	SOIL			10500	10900
31210	45	6	44	0.1	0.97	14	13	3.26	2	4	SOIL			10500	10850
31211	44	5	84	0.1	0.58	14	13	3.18	4	7	SOIL			10500	10800
31212	38	8	66	0.1	0.53	15	11	3.39	5	3	SOIL	NEXT TO ROAD		10500	10750
31213	35	7	72	0.1	0.69	13	11	3.05	7	3	SOIL			10500	10700
31214	36	7	71	0.1	0.51	12	10	3.05	9	2	SOIL			10500	10650
31215	63	7	71	0.2	0.62	14	12	3.54	9	1	SOIL			10500	10600
31216	50	7	79	0.2	0.54	18	13	3.80	5	1	SOIL			10500	10550
31217	46	6	83	0.1	0.67	15	12	3.25	5	1	SOIL	NEXT TO ROAD		10500	10500
31218	48	8	75	0.1	0.55	15	11	3.46	6	2	SOIL			10500	10450
31219	46	7	72	0.1	0.55	16	12	3.41	6	3	SOIL			10500	10400

Sample	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Ca (%)	Ni (ppm)	Co (ppm)	Fe (%)	As (ppm)	Au (ppb)	Sample Type	Remarks	Grid	North	East
31220	47	4	84	0.1	0.67	15	11	3.07	6	4	SOIL			10500	10350
31221	37	5	76	0.2	0.70	13	10	2.81	9	2	SOIL			10500	10300
31222	36	5	81	0.1	0.55	13	10	2.73	3	6	SOIL			10500	10250
31223	23	6	78	0.1	0.43	11	8	2.47	7	1	SOIL			10500	10200
31224	32	7	79	0.1	0.66	11	9	2.64	2	10	SOIL			10500	10150
31225	29	6	74	0.1	0.49	12	9	2.79	2	1	SOIL			10500	10100
31226	28	6	79	0.1	0.54	12	8	2.70	6	6	SOIL			10500	10050
31227	37	6	78	0.1	0.62	13	10	2.92	6	3	SOIL	B.L. TRENCH		10500	10000
31228	33	6	77	0.1	0.45	14	11	3.08	3	3	SOIL	B.L.		10400	10000
31229	36	6	67	0.1	0.47	13	9	2.85	10	1	SOIL			10400	10050
31230	30	4	72	0.1	0.61	11	8	2.47	3	6	SOIL			10400	10100
31231	37	6	99	0.1	0.59	10	12	2.83	6	1	SOIL			10400	10150
31232	39	4	68	0.1	0.56	12	13	3.09	9	1	SOIL			10400	10200
31233	62	4	68	0.2	0.86	12	12	2.83	4	11	SOIL	ROCKY SOIL		10400	10250
31234	41	7	67	0.1	0.78	13	11	2.91	5	2	SOIL	ROCKY SOIL		10400	10300
31235	48	6	61	0.1	1.05	13	11	2.57	5	5	SOIL			10400	10350
31236	51	8	77	0.1	0.66	15	12	3.23	4	4	SOIL			10400	10400
31237	49	7	80	0.1	0.80	16	12	2.96	6	1	SOIL			10400	10450
31238	50	8	75	0.2	0.72	15	12	3.20	5	1	SOIL			10400	10500
31239	50	6	67	0.2	0.71	15	12	3.10	4	1	SOIL			10400	10550
31240	52	5	39	0.1	3.57	14	10	2.52	5	3	SOIL	SWAMPY SOIL		10400	10600
31241	26	6	76	0.1	0.44	14	10	2.71	2	1	SOIL			10400	10650
31242	53	9	97	0.1	0.84	12	12	3.45	7	5	SOIL			10400	10700
31243	29	7	80	0.1	0.40	10	9	2.75	2	1	SOIL			10400	10750
31244	61	7	73	0.1	0.53	12	13	3.15	5	1	SOIL			10400	10800
31245	60	6	51	0.1	1.01	16	15	3.16	5	1	SOIL			10400	10850
31246	67	7	51	0.1	0.62	29	17	3.97	7	1	SOIL	NEXT TO ROAD		10400	10900
31247	50	6	65	0.1	0.69	26	15	3.42	8	3	SOIL			10400	10950
31248	46	5	58	0.1	0.54	22	21	4.18	4	1	SOIL			10400	11000
31249	46	4	48	0.1	0.73	18	20	3.20	2	1	SOIL			10400	11050
31250	43	4	55	0.1	0.62	22	18	3.01	2	2	SOIL			10400	11100
31251	78	5	65	0.2	0.78	36	20	3.10	7	2	SOIL			10400	11150
31252	82	5	51	0.2	0.68	45	23	3.75	2	2	SOIL			10400	11200
31253	108	3	52	0.1	0.89	49	23	3.66	6	1	SOIL			10400	11250
31254	52	6	68	0.1	0.73	23	14	2.55	5	2	SOIL			10400	11300
31255	51	7	67	0.1	0.57	19	12	3.00	4	1	SOIL			10400	11350
31256	33	7	63	0.1	0.38	20	10	2.39	2	4	SOIL			10400	11400
31257	37	5	61	0.1	0.41	20	12	2.52	6	1	SOIL			10400	11450
31258	63	7	75	0.1	0.90	26	14	2.67	2	1	SOIL	E.O.L.		10400	11500
31259	49	6	48	0.1	0.40	14	11	3.13	4	1	SOIL	E.O.L.		10300	11500
31260	45	6	92	0.1	0.60	20	12	2.63	5	1	SOIL			10300	11450
31261	30	5	58	0.1	0.49	19	10	2.90	3	1	SOIL	NEXT TO ROAD		10300	11400
31262	44	5	51	0.1	1.01	14	11	3.52	6	2	SOIL			10300	11350
31263	37	5	52	0.1	1.03	13	11	3.27	3	5	SOIL			10300	11300
31264	38	4	43	0.1	0.85	15	11	3.29	2	2	SOIL			10300	11250
31265	51	5	59	0.2	0.70	18	14	3.58	5	2	SOIL			10300	11200
31266	60	7	48	0.1	0.81	13	12	3.45	4	1	SOIL			10300	11150
31267	36	6	44	0.1	1.71	13	10	3.15	3	6	SOIL			10300	11100
31268	42	8	48	0.1	0.83	16	12	3.45	6	3	SOIL			10300	11050
31269	30	6	39	0.1	0.38	15	12	3.01	3	3	SOIL			10300	11000
31270	113	4	24	0.2	7.19	13	7	1.61	3	1	SOIL	EDGE OF BOG		10300	10950
31271	61	2	44	0.1	7.05	13	9	2.12	2	6	SOIL	NEXT TO BOG.10900E,10850E NO SAMPLE		10300	10800
31272	32	2	51	0.1	8.79	9	7	1.82	2	1	SOIL	NEXT TO BOG		10300	10750
31273	30	2	227	0.1	0.70	11	8	2.30	2	1	SOIL			10300	10700
31274	27	2	81	0.1	0.43	14	10	2.91	3	1	SOIL			10300	10650
31275	34	4	98	0.2	0.47	15	11	3.35	2	1	SOIL			10300	10600
31276	27	2	46	0.1	0.48	13	10	3.11	2	2	SOIL	NEXT TO POND		10300	10550

Sample	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Ca (%)	Ni (ppm)	Co (ppm)	Fe (%)	As (ppm)	Au (ppb)	Sample Type	Remarks	Grid	North	East
31277	47	3	39	0.1	0.60	13	12	4.60	5	36	SOIL	NEXT TO BOG		10200	10750
31278	22	4	53	0.2	0.32	12	8	2.88	2	3	SOIL	10800E NO SAMPLE - POND		10200	10850
31279	27	3	49	0.1	0.37	11	9	3.07	2	1	SOIL			10200	10900
31280	34	3	57	0.2	0.41	13	10	3.64	3	4	SOIL			10200	10950
31281	57	2	57	0.1	0.55	15	16	4.05	3	2	SOIL			10200	11000
31282	19	2	39	0.1	0.35	12	13	3.36	2	1	SOIL			10200	11050
31283	24	2	59	0.1	0.41	18	14	3.76	2	2	SOIL			10200	11100
31284	27	2	74	0.1	0.44	14	12	3.11	2	1	SOIL			10200	11150
31285	48	5	61	0.1	0.51	18	15	3.97	2	1	SOIL	NEXT TO POND		10200	11200
31286	39	2	40	0.1	0.57	14	11	3.06	2	4	SOIL	11250E,11300E NO SAMPLE - POND		10200	11300 - 11350
31287	52	2	69	0.1	0.53	19	14	3.78	2	4	SOIL			10200	11400
31288	62	2	75	0.1	0.73	18	14	3.13	2	3	SOIL			10200	11450
31289	43	2	42	0.1	0.49	17	12	3.25	3	3	SOIL	E.O.L.		10200	11500
31290	50	2	74	0.1	0.56	12	13	3.55	5	2	SOIL	B.L.		10200	10000
31291	46	2	74	0.2	0.79	11	10	2.28	2	5	SOIL			10200	10050
31292	65	2	84	0.2	0.80	14	12	2.56	2	24	SOIL			10200	10100
31293	41	2	40	0.1	1.40	11	8	2.04	2	3	SOIL			10200	10150
31294	73	5	61	0.1	0.61	16	14	3.89	2	1	SOIL			10300	10000
31295	63	2	57	0.1	0.72	18	13	3.46	6	2	SOIL			10300	10050
31296	44	2	61	0.1	0.78	16	12	2.90	2	1	SOIL			10300	10100
31297	59	2	60	0.1	1.11	20	13	3.32	6	7	SOIL			10300	10150
31298	48	4	60	0.2	0.62	16	12	3.15	3	27	SOIL			10300	10200
31299	55	6	44	0.1	2.15	16	12	3.05	2	5	SOIL			10300	10250
31300	683	2	46	0.1	0.46	25	19	3.44	2	1	GRAB	BASALT W/MALACHITE & AZURITE		10600	10440
31301	38	2	17	0.2	1.68	37	32	6.34	12	3	GRAB	BLEBS OF EPIDOTE W/PYRITE,ARSENOPY.		10670	1440
31302	57	6	17	0.3	4.34	18	20	2.87	12	2	GRAB	PY.BAND BETWEEN EPIDOTE & BASALT.		10680	10440

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 140 File # 90-5833 Page 1

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

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
30522	1	129	3	74	.1	32	23	543	4.78	2	5	ND	1	28	.2	2	2	102	1.32	.034	2	127	2.98	19	.18	2	3.44	.04	.06	1	2
30523	1	1171	2	1	.3	15	31	101	28.94	4	5	ND	3	99	1.3	2	2	257	.58	.028	2	5	.28	16	.04	2	.69	.01	.02	1	2
30524	1	564	3	11	.1	29	57	247	2.99	2	5	ND	1	177	.2	2	2	75	1.19	.029	2	72	1.46	30	.18	2	1.85	.01	.04	1	1
30525	1	1131	2	17	.3	27	101	431	4.13	3	5	ND	1	54	.3	2	2	75	1.25	.021	2	88	2.23	18	.11	2	2.60	.03	.07	1	2
30526	1	143	2	19	.2	20	44	261	7.93	15	5	ND	1	32	.3	2	2	114	1.94	.025	2	7	1.21	15	.13	2	1.52	.06	.02	1	3
30527	1	47	2	34	.1	55	16	531	3.39	6	5	ND	1	12	.2	2	2	76	.83	.049	3	123	2.09	6	.15	3	1.92	.06	.02	1	2
30528	1	36	3	8	.2	15	22	111	4.04	4	5	ND	1	114	.2	2	2	47	.88	.025	2	5	.37	3	.13	2	1.00	.01	.01	1	3
30529	4	173	2	12	.5	25	27	139	4.19	8	5	ND	1	179	.2	2	2	46	1.14	.027	2	6	.59	1	.17	2	1.36	.01	.02	1	1
30592	1	25	2	1	.2	10	27	72	5.20	7	5	ND	1	145	.2	2	2	69	1.23	.019	2	3	.22	2	.19	6	.96	.01	.01	1	2
30593	1	110	2	1	.3	19	38	95	2.73	8	5	ND	1	162	.2	3	2	36	1.09	.017	2	5	.11	2	.16	10	.88	.01	.02	1	3
30594	1	964	2	23	.4	35	17	277	4.09	2	5	ND	1	49	.2	2	2	63	.55	.035	2	97	2.36	4	.19	2	2.27	.03	.03	1	2
30595	1	1625	2	1	.2	20	51	245	4.62	2	5	ND	1	183	.2	2	2	90	1.16	.043	3	9	1.31	5	.18	2	1.75	.01	.02	1	3
30596	1	29	2	50	.1	9	22	621	6.26	11	5	ND	1	29	.3	2	2	195	.78	.053	2	5	2.38	17	.42	2	2.56	.03	.03	1	2
30597	1	106	2	2	.2	6	17	60	1.85	3	5	ND	1	5	.2	2	2	9	.19	.053	2	6	.12	9	.10	2	.37	.06	.02	1	1
30599	1	401	2	42	.3	10	15	869	7.43	7	5	ND	1	54	.3	2	2	126	.58	.034	2	4	2.19	13	.13	2	3.29	.01	.01	1	3
30600	1	42	2	11	.1	16	15	155	4.38	5	5	ND	1	154	.2	2	2	111	3.47	.035	2	4	.77	38	.05	3	2.86	.02	.01	1	2
31300	1	683	2	46	.1	25	19	463	3.44	2	5	ND	1	20	.2	2	2	70	.46	.021	2	122	2.37	9	.11	2	2.22	.03	.07	1	1
31301	1	38	2	17	.2	37	32	318	6.34	12	5	ND	1	66	.2	2	2	192	1.68	.017	2	7	.97	7	.16	3	1.83	.09	.04	1	3
31302	19	57	6	17	.3	18	20	485	2.87	12	5	ND	1	110	.2	2	2	101	4.34	.016	3	3	.95	5	.17	3	1.29	.02	.01	1	2
STANDARD C/AU-R	18	57	39	130	7.1	73	31	1053	3.97	43	21	7	40	52	19.7	14	18	58	.46	.097	39	60	.89	187	.07	33	1.90	.06	.13	13	530

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 ROCK P2 TO P6 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: NOV 8 1990 **DATE REPORT MAILED:** Nov 15/90. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
30927	1	48	7	93	.2	11	12	1330	3.31	9	5	ND	1	35	.3	2	2	69	.47	.057	6	13	.64	186	.07	6	2.33	.02	.26	1	3
30928	1	45	5	56	.1	12	10	989	2.66	3	5	ND	1	44	.2	2	2	49	.72	.054	6	16	.54	186	.06	7	1.86	.01	.21	1	1
30929	1	43	8	62	.1	13	9	884	2.24	4	5	ND	1	53	.2	2	2	43	.75	.050	5	17	.48	247	.07	9	2.21	.02	.19	1	1
30930	1	55	8	93	.2	15	11	1024	2.70	4	5	ND	1	51	.2	2	2	52	.78	.105	5	21	.54	236	.06	7	1.77	.01	.19	1	1
30931	1	55	4	47	.2	21	12	434	2.48	3	5	ND	1	163	.2	2	2	48	2.58	.054	2	29	1.47	152	.07	10	1.70	.04	.18	1	2
30932	1	61	6	26	.1	14	10	667	2.12	2	5	ND	1	144	.2	2	2	43	3.07	.033	2	18	.87	141	.06	17	1.25	.09	.08	1	1
30933	1	44	8	72	.2	17	10	1103	2.77	2	5	ND	1	52	.3	2	2	53	.78	.084	3	21	.58	225	.07	10	1.76	.02	.12	1	1
30934	1	120	11	45	.1	67	21	641	4.43	9	5	ND	1	37	.4	2	2	118	1.14	.042	2	107	2.17	72	.14	6	2.71	.01	.05	1	3
30935	1	37	7	90	.1	14	8	836	2.10	2	5	ND	1	44	.2	2	2	42	.52	.177	2	19	.45	197	.07	8	1.46	.02	.06	1	1
30936	1	29	5	60	.1	14	10	848	2.87	4	5	ND	1	34	.2	2	2	56	.44	.072	2	21	.55	196	.08	8	1.79	.02	.11	1	1
30937	1	18	4	58	.1	9	6	499	1.80	2	5	ND	1	25	.2	2	2	34	.33	.057	2	12	.33	124	.07	8	1.41	.02	.09	1	3
30938	1	25	9	70	.1	14	9	1069	2.86	4	5	ND	1	33	.2	2	2	56	.41	.062	2	20	.52	192	.09	7	2.16	.02	.07	1	1
30939	1	19	6	44	.1	12	8	810	2.59	4	5	ND	1	25	.2	2	2	53	.29	.022	2	19	.49	135	.10	6	1.78	.02	.06	1	1
30940	1	10	7	80	.1	5	4	823	1.32	2	5	ND	1	13	.2	2	2	23	.12	.136	2	7	.09	142	.08	6	1.63	.02	.05	1	1
30941	1	44	7	43	.1	16	11	448	3.55	5	5	ND	1	33	.2	2	2	75	.45	.052	4	26	.72	138	.09	6	1.89	.02	.06	1	2
30942	1	12	5	63	.1	7	5	557	1.81	2	5	ND	1	26	.2	2	2	32	.39	.032	2	11	.27	154	.08	7	1.51	.02	.08	1	1
30943	1	18	5	67	.1	9	6	398	2.09	2	5	ND	1	24	.2	2	2	37	.28	.046	2	13	.38	147	.07	7	1.53	.02	.08	1	1
30944	1	33	7	62	.1	12	9	983	2.80	6	5	ND	1	38	.4	2	2	57	.61	.048	2	21	.54	197	.08	9	1.68	.02	.14	1	1
30945	1	46	2	108	.1	10	8	1359	2.57	2	5	ND	1	48	.3	2	2	46	.72	.076	2	16	.47	289	.08	10	1.88	.02	.17	1	1
30946	1	20	6	87	.1	10	7	799	2.37	2	5	ND	1	36	.2	2	2	44	.49	.053	2	17	.45	175	.08	8	1.45	.02	.15	1	1
30947	1	18	8	71	.1	10	7	540	2.42	2	5	ND	1	31	.2	2	2	47	.41	.049	2	15	.46	129	.09	10	1.39	.01	.16	1	2
30948	1	15	4	94	.1	8	5	1083	2.00	2	5	ND	1	33	.3	2	2	35	.45	.035	2	13	.35	182	.08	8	1.56	.02	.09	1	1
30949	1	97	7	45	.1	9	5	139	1.55	2	5	ND	1	116	.3	2	2	28	2.49	.067	2	13	.53	115	.05	11	1.44	.03	.06	1	1
30950	1	33	7	34	.1	11	9	506	2.63	2	5	ND	1	44	.3	2	2	52	.74	.016	3	18	.56	111	.10	8	2.00	.02	.08	1	12
30951	1	48	8	73	.1	17	14	943	3.86	4	5	ND	1	36	.2	2	2	76	.56	.059	3	25	.98	155	.10	5	2.01	.02	.14	1	1
30952	1	32	7	74	.1	14	10	749	2.88	3	5	ND	1	45	.2	2	2	57	.55	.133	3	21	.63	169	.08	8	1.76	.02	.12	1	1
30953	1	23	5	101	.1	10	9	1196	2.08	2	5	ND	1	32	.2	2	2	41	.39	.177	2	13	.37	199	.07	8	1.58	.02	.07	1	1
30954	1	30	6	42	.1	13	10	701	3.30	5	5	ND	1	32	.2	2	2	70	.48	.031	2	22	.62	134	.10	9	2.02	.02	.10	1	1
30955	1	30	5	66	.1	17	10	1113	2.68	2	5	ND	1	45	.2	2	2	48	.48	.067	3	20	.60	178	.10	7	1.87	.02	.11	1	11
30956	1	44	9	51	.1	14	12	707	3.21	2	5	ND	1	62	.2	2	2	56	.58	.043	3	20	.65	166	.07	7	2.10	.02	.11	1	1
30957	1	36	3	64	.1	15	10	780	2.72	4	5	ND	1	55	.2	2	2	54	.68	.073	2	17	.55	172	.07	8	1.78	.02	.08	1	2
30958	1	60	3	75	.1	39	16	1206	3.84	5	5	ND	1	40	.3	2	2	71	.64	.066	6	59	1.02	170	.07	6	2.76	.02	.27	1	1
30959	1	44	9	95	.1	17	12	996	2.79	5	5	ND	1	56	.4	2	2	49	.56	.111	5	21	.55	240	.08	6	2.55	.02	.10	1	4
30960	1	161	4	49	.4	21	13	1180	3.04	4	5	ND	1	83	.4	2	2	58	.77	.058	7	29	.80	291	.07	8	2.21	.02	.14	1	5
30961	1	42	5	40	.1	12	8	719	1.95	5	5	ND	1	86	.2	2	2	46	2.40	.052	2	16	.55	122	.07	11	1.42	.04	.03	1	1
30962	1	34	7	69	.1	14	11	1065	3.04	8	5	ND	1	46	.2	2	2	59	.49	.094	3	21	.63	213	.08	7	2.12	.02	.08	1	1
STANDARD C/AU-S	19	59	38	131	6.9	73	31	1052	3.96	39	18	7	38	53	18.6	14	22	56	.46	.093	37	57	.89	187	.08	35	1.89	.06	.14	11	52

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
30963	1	42	9	84	.2	15	13	1280	3.29	6	5	ND	1	41	.2	2	2	71	.50	.095	4	22	.69	168	.09	7	1.95	.02	.11	1	13
30964	1	48	6	79	.2	15	10	701	3.08	4	6	ND	1	41	.2	2	2	63	.51	.073	4	21	.63	170	.10	8	2.18	.02	.12	1	1
30965	1	38	8	61	.1	14	10	396	3.23	7	5	ND	1	36	.2	2	2	69	.42	.032	3	22	.70	124	.11	8	2.20	.02	.06	1	2
30966	1	25	6	69	.3	12	9	741	2.62	3	5	ND	1	43	.2	2	2	55	.49	.049	2	21	.55	140	.11	8	1.81	.02	.10	1	1
30967	1	70	7	50	.2	12	15	597	4.85	5	5	ND	1	81	.4	2	2	109	.67	.064	3	20	1.45	331	.15	6	3.06	.02	.13	2	1
30968	1	35	6	68	.1	16	11	826	3.15	3	5	ND	1	37	.2	2	2	63	.53	.038	3	28	.72	150	.11	7	1.85	.02	.16	1	1
30969	1	48	8	60	.3	16	12	631	4.03	8	5	ND	1	39	.2	2	2	79	1.14	.074	4	24	.83	145	.12	6	1.68	.02	.08	1	1
30970	1	42	9	52	.1	12	11	586	4.01	8	5	ND	1	32	.3	2	2	79	.48	.052	4	19	.73	175	.12	7	1.88	.02	.08	1	1
30971	1	40	8	68	.1	12	10	778	3.20	6	5	ND	1	34	.4	2	2	59	.55	.053	4	16	.59	184	.10	7	1.85	.02	.09	1	1
30972	1	30	8	30	.2	12	10	383	3.52	2	7	ND	1	37	.2	2	2	74	.46	.010	3	25	.66	133	.14	6	1.47	.02	.08	1	4
30973	1	45	9	53	.2	16	10	435	3.44	4	7	ND	3	38	.3	2	2	65	.46	.037	5	23	.68	181	.14	7	2.03	.02	.08	2	1
30974	1	29	9	40	.1	12	10	613	3.45	2	5	ND	1	35	.4	2	2	68	.45	.032	3	22	.54	148	.13	7	1.73	.02	.08	2	3
30975	1	17	8	33	.1	9	6	395	2.36	3	5	ND	1	30	.2	2	2	50	.36	.019	2	16	.39	116	.11	8	1.39	.02	.06	1	2
30976	1	29	9	24	.2	13	11	221	3.43	6	5	ND	1	64	.2	2	2	63	.77	.009	3	22	.68	156	.10	7	1.91	.17	.08	1	3
30977	1	53	12	67	.2	17	11	715	3.34	4	5	ND	1	48	.2	2	2	60	.72	.044	5	25	.59	186	.12	8	2.42	.03	.13	1	1
30978	1	27	3	113	.1	9	6	755	1.85	2	5	ND	1	33	.2	2	2	33	.28	.290	3	13	.31	286	.07	9	1.61	.02	.06	1	1
30979	1	19	3	85	.1	8	6	1446	1.81	3	5	ND	1	49	.3	2	2	33	.48	.294	2	12	.34	292	.08	10	1.84	.02	.16	1	1
30980	1	22	4	141	.2	7	7	1791	1.84	2	5	ND	1	35	.4	2	2	31	.38	.206	3	9	.25	281	.07	7	1.69	.02	.07	1	1
30981	1	20	9	50	.1	10	8	687	2.39	4	5	ND	1	31	.2	2	2	45	.47	.033	2	17	.46	138	.10	7	1.97	.02	.10	2	1
30982	1	34	8	85	.2	13	9	912	2.60	5	5	ND	1	46	.3	2	2	48	.64	.068	4	18	.45	196	.10	10	1.86	.02	.19	1	1
30983	1	38	7	116	.1	13	10	1790	2.70	2	5	ND	1	47	.5	2	2	47	.61	.061	5	19	.47	313	.10	10	2.09	.02	.23	1	1
30984	1	35	6	85	.1	13	10	968	2.72	4	5	ND	1	42	.3	2	2	50	.62	.049	5	20	.53	189	.10	10	2.16	.02	.21	1	5
30985	1	29	8	65	.1	14	9	771	2.99	3	5	ND	1	38	.3	2	2	56	.47	.039	6	22	.53	182	.12	8	2.27	.02	.20	1	1
30986	1	38	10	114	.3	13	11	1427	2.85	4	5	ND	1	57	.5	2	2	52	.75	.073	5	19	.53	277	.09	9	2.07	.02	.27	1	2
30987	1	49	7	118	.2	15	13	1373	3.35	3	5	ND	1	44	.5	2	2	58	.67	.071	7	23	.63	223	.10	8	2.25	.02	.31	1	1
30988	1	70	7	74	.1	18	14	995	3.81	6	5	ND	1	40	.4	2	2	70	.71	.059	6	29	.81	175	.10	10	2.33	.01	.31	1	6
30989	1	59	10	102	.3	15	15	1125	3.59	5	5	ND	1	49	.5	2	2	64	.79	.085	7	22	.66	228	.10	9	2.60	.02	.30	1	1
30990	1	56	7	93	.3	14	14	1073	3.77	4	6	ND	1	48	.2	2	2	65	.74	.059	7	21	.70	212	.12	9	2.45	.02	.38	1	1
30991	1	53	5	90	.2	14	13	943	3.58	2	6	ND	1	42	.2	2	2	61	.68	.052	6	21	.67	189	.12	7	2.55	.02	.34	1	1
30992	1	44	6	87	.1	15	12	1121	3.25	6	5	ND	1	42	.5	2	2	64	.66	.057	6	22	.69	195	.10	8	2.31	.02	.30	1	1
30993	1	65	7	78	.3	13	10	548	2.70	3	5	ND	1	81	.4	2	2	51	1.95	.084	4	19	.77	164	.06	15	2.04	.02	.17	1	1
30994	1	71	9	87	.3	18	15	1107	3.77	8	5	ND	1	69	.3	2	2	68	1.27	.055	7	25	.98	192	.08	10	2.53	.02	.31	1	2
30995	1	60	7	72	.2	15	12	918	3.16	6	5	ND	1	78	.3	2	2	60	1.13	.073	6	23	.85	222	.08	12	2.33	.02	.28	1	6
30996	1	54	7	100	.1	15	13	1169	3.19	5	5	ND	1	46	.4	2	2	60	.71	.084	6	21	.63	216	.09	10	2.58	.02	.27	1	1
30997	1	51	8	82	.2	16	14	1153	3.43	5	5	ND	1	53	.4	2	2	69	.76	.084	7	26	.90	151	.10	7	2.53	.02	.15	1	1
30998	1	41	9	70	.3	16	13	931	3.50	3	5	ND	1	61	.3	2	2	71	.59	.087	4	25	.76	143	.10	8	2.15	.02	.17	1	1
STANDARD C/AU-S	18	58	37	130	6.9	71	32	1051	3.92	38	15	7	38	52	18.4	14	22	58	.46	.090	38	56	.89	183	.07	36	1.89	.06	.14	11	52

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
30999	1	31	5	41	.1	13	12	856	2.83	6	5	ND	1	51	.2	2	2	55	.47	.040	7	20	.56	122	.06	3	1.73	.02	.12	1	2
31000	1	92	2	32	.1	36	22	836	4.07	2	5	ND	1	38	.4	3	2	91	.66	.032	5	59	1.40	70	.10	3	2.26	.01	.16	1	14
31201	1	51	6	56	.1	21	12	1044	3.23	8	5	ND	1	34	.2	3	2	60	.48	.036	6	36	.77	136	.09	3	2.30	.02	.19	1	3
31202	1	43	3	68	.1	16	14	1362	3.42	7	5	ND	2	39	.2	2	2	65	.59	.027	6	25	.77	137	.09	2	1.94	.02	.20	1	4
31203	1	43	7	70	.1	32	13	1485	3.21	3	5	ND	1	47	.3	2	2	58	.73	.077	9	76	1.07	161	.08	5	2.87	.02	.14	1	3
31204	1	47	8	66	.1	20	17	1643	2.86	8	5	ND	1	49	.4	2	2	52	.89	.085	6	26	.69	173	.05	4	1.94	.01	.12	1	4
31205	1	53	6	84	.1	24	17	1409	3.80	5	5	ND	1	39	.4	3	2	77	.67	.080	7	41	1.21	128	.07	3	2.38	.02	.12	1	1
31206	1	33	4	95	.1	13	10	1503	2.51	4	5	ND	1	43	.2	3	2	43	.62	.054	5	18	.52	193	.08	5	2.05	.02	.21	1	5
31207	1	54	4	44	.1	24	15	843	3.13	3	5	ND	1	39	.3	2	2	60	.62	.034	6	36	.76	114	.10	4	2.14	.02	.19	1	2
31208	1	24	3	61	.1	15	14	794	3.42	11	5	ND	1	27	.2	2	2	70	.38	.052	7	24	.85	148	.09	3	2.57	.02	.16	1	8
31209	1	34	5	62	.1	34	17	1083	4.22	7	5	ND	1	40	.4	2	2	82	.70	.055	8	71	1.48	119	.08	5	3.05	.02	.15	1	4
31210	1	45	6	44	.1	14	13	762	3.26	2	5	ND	1	77	.3	2	2	68	.97	.037	7	23	.71	128	.08	5	1.94	.03	.15	1	4
31211	1	44	5	84	.1	14	13	1478	3.18	4	5	ND	1	38	.5	2	2	58	.58	.103	9	22	.65	175	.07	2	2.07	.01	.14	1	7
31212	1	38	8	66	.1	15	11	953	3.39	5	5	ND	1	32	.5	2	2	65	.53	.061	8	23	.69	157	.08	2	2.09	.02	.13	1	3
31213	1	35	7	72	.1	13	11	1030	3.05	7	5	ND	1	40	.4	2	2	55	.69	.075	8	20	.62	161	.07	4	1.98	.02	.18	1	3
31214	1	36	7	71	.1	12	10	906	3.05	9	5	ND	1	37	.3	2	2	52	.51	.082	10	18	.50	200	.09	3	2.62	.02	.18	1	2
31215	1	63	7	71	.2	14	12	821	3.54	9	5	ND	1	41	.5	2	2	62	.62	.087	10	23	.71	126	.08	4	2.29	.02	.20	1	1
31216	1	50	7	79	.2	18	13	1013	3.80	5	5	ND	1	34	.3	2	2	74	.54	.080	9	30	.72	173	.08	4	2.35	.02	.21	1	1
31217	1	46	6	83	.1	15	12	957	3.25	5	5	ND	1	35	.5	2	2	58	.67	.071	9	21	.60	191	.08	5	2.43	.02	.29	1	1
31218	1	48	8	75	.1	15	11	670	3.46	6	5	ND	1	34	.3	2	2	63	.55	.056	9	25	.62	150	.10	4	2.37	.02	.25	1	2
31219	1	46	7	72	.1	16	12	867	3.41	6	5	ND	1	34	.3	2	2	59	.55	.060	8	27	.66	162	.08	3	2.13	.01	.27	1	3
31220	1	47	4	84	.1	15	11	1050	3.07	6	5	ND	1	40	.4	2	2	53	.67	.078	9	23	.60	185	.08	3	2.17	.01	.24	1	4
31221	1	37	5	76	.2	13	10	1045	2.81	9	5	ND	1	43	.4	2	2	50	.70	.074	8	20	.52	198	.08	4	2.17	.02	.21	1	2
31222	1	36	5	81	.1	13	10	1093	2.73	3	5	ND	1	36	.4	2	2	48	.55	.080	8	20	.50	188	.07	4	1.96	.02	.14	1	6
31223	1	23	6	78	.1	11	8	983	2.47	7	5	ND	1	31	.3	2	2	42	.43	.096	7	16	.42	201	.08	3	2.17	.02	.12	1	1
31224	1	32	7	79	.1	11	9	1147	2.64	2	5	ND	1	39	.3	2	2	45	.66	.103	7	17	.44	211	.07	5	1.95	.02	.16	1	10
31225	1	29	6	74	.1	12	9	1025	2.79	2	5	ND	1	32	.2	2	2	46	.49	.056	7	20	.46	209	.09	5	2.12	.02	.23	1	1
31226	1	28	6	79	.1	12	8	941	2.70	6	5	ND	1	35	.3	2	2	47	.54	.061	7	20	.47	206	.08	5	1.94	.02	.19	1	6
31227	1	37	6	78	.1	13	10	1007	2.92	6	5	ND	1	39	.4	2	2	50	.62	.059	8	21	.54	192	.08	5	1.90	.02	.18	1	3
31228	1	33	6	77	.1	14	11	1152	3.08	3	5	ND	1	37	.2	2	2	56	.45	.046	7	23	.64	187	.09	3	2.01	.02	.16	1	3
31229	1	36	6	67	.1	13	9	871	2.85	10	5	ND	1	33	.2	2	2	49	.47	.056	8	21	.46	168	.09	3	1.92	.02	.16	1	1
31230	1	30	4	72	.1	11	8	871	2.47	3	5	ND	1	40	.3	2	2	43	.61	.065	7	17	.41	177	.07	4	1.80	.02	.18	1	6
31231	1	37	6	99	.1	10	12	1469	2.83	6	5	ND	1	42	.3	2	2	48	.59	.086	8	15	.45	221	.07	4	1.94	.02	.15	1	1
31232	1	39	4	68	.1	12	13	913	3.09	9	5	ND	1	36	.3	2	2	54	.56	.079	9	17	.63	160	.08	3	2.06	.02	.15	1	1
31233	1	62	4	68	.2	12	12	1160	2.83	4	5	ND	1	41	.2	2	2	50	.86	.101	8	18	.54	192	.06	5	1.80	.01	.18	1	11
31234	1	41	7	67	.1	13	11	933	2.91	5	5	ND	1	41	.4	2	2	51	.78	.097	8	19	.58	166	.07	4	2.25	.01	.19	1	2
STANDARD C/AU-S	17	58	36	131	6.6	72	32	1052	3.98	40	19	7	38	53	19.3	19	19	55	.46	.093	37	58	.89	181	.07	31	1.89	.06	.14	13	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
31235	1	48	6	61	.1	13	11	888	2.57	5	5	ND	1	54	.2	2	2	48	1.05	.083	8	20	.63	184	.06	6	1.90	.02	.19	1	5
31236	1	51	8	77	.1	15	12	941	3.23	4	5	ND	1	40	.3	2	2	57	.66	.091	9	24	.63	184	.08	6	2.33	.01	.31	1	4
31237	1	49	7	80	.1	16	12	1023	2.96	6	5	ND	1	48	.3	2	2	55	.80	.108	8	23	.63	188	.06	7	2.09	.01	.29	1	1
31238	1	50	8	75	.2	15	12	1062	3.20	5	5	ND	2	41	.3	2	2	59	.72	.078	9	24	.62	207	.08	5	2.54	.02	.25	1	1
31239	1	50	6	67	.2	15	12	1016	3.10	4	5	ND	1	39	.4	2	2	58	.71	.085	8	24	.64	155	.07	5	1.81	.01	.20	1	1
31240	1	52	5	39	.1	14	10	340	2.52	5	5	ND	1	144	.2	2	2	52	3.57	.056	7	21	.71	139	.06	4	1.96	.03	.05	1	3
31241	1	26	6	76	.1	14	10	1064	2.71	2	5	ND	2	34	.3	2	2	52	.44	.035	7	21	.52	204	.09	2	2.27	.02	.09	1	1
31242	1	53	9	97	.1	12	12	1724	3.45	7	5	ND	1	53	.6	2	2	61	.84	.082	7	14	.71	201	.05	5	2.13	.02	.19	1	5
31243	1	29	7	80	.1	10	9	1374	2.75	2	5	ND	2	29	.3	2	2	46	.40	.043	9	14	.62	188	.08	3	2.29	.02	.12	1	1
31244	1	61	7	73	.1	12	13	1142	3.15	5	5	ND	1	35	.2	2	2	60	.53	.106	8	16	.63	192	.08	3	2.45	.02	.12	1	1
31245	1	60	6	51	.1	16	15	1094	3.16	5	5	ND	1	89	.3	2	2	67	1.01	.091	6	24	.87	151	.05	7	1.90	.02	.19	1	1
31246	1	67	7	51	.1	29	17	888	3.97	7	5	ND	1	46	.4	2	2	84	.62	.065	9	46	1.18	109	.09	3	2.62	.02	.10	1	1
31247	1	50	6	65	.1	26	15	1247	3.42	8	5	ND	1	40	.3	2	2	72	.69	.089	8	42	.91	145	.08	7	2.31	.02	.25	1	3
31248	1	46	5	58	.1	22	21	1004	4.18	4	5	ND	1	39	.2	2	2	85	.54	.043	6	32	1.41	98	.06	2	2.76	.02	.09	1	1
31249	1	46	4	48	.1	18	20	900	3.20	2	5	ND	1	48	.4	2	2	58	.73	.044	6	19	.75	121	.08	4	2.50	.01	.18	1	1
31250	1	43	4	55	.1	22	18	822	3.01	2	5	ND	1	43	.2	2	2	54	.62	.059	7	21	.68	169	.08	4	2.75	.02	.10	1	2
31251	1	78	5	65	.2	36	20	1203	3.10	7	5	ND	1	48	.3	2	2	61	.78	.093	6	48	.87	131	.07	5	2.09	.02	.16	1	2
31252	1	82	5	51	.2	45	23	903	3.75	2	5	ND	1	65	.4	2	2	78	.68	.089	7	53	.86	122	.08	4	2.50	.02	.11	1	2
31253	1	108	3	52	.1	49	23	990	3.66	6	5	ND	1	54	.5	2	2	76	.89	.055	5	80	1.38	106	.09	4	2.77	.01	.12	1	1
31254	1	52	6	68	.1	23	14	1338	2.55	5	5	ND	1	49	.4	2	2	50	.73	.104	7	33	.64	173	.05	3	2.01	.01	.14	1	2
31255	1	51	7	67	.1	19	12	1259	3.00	4	5	ND	1	45	.2	2	2	58	.57	.077	9	29	.56	188	.08	2	2.54	.02	.12	1	1
31256	1	33	7	63	.1	20	10	1123	2.39	2	5	ND	1	29	.2	2	2	46	.38	.114	7	29	.51	131	.07	4	2.12	.02	.07	1	4
31257	1	37	5	61	.1	20	12	1066	2.52	6	5	ND	1	32	.2	2	2	49	.41	.113	6	25	.54	125	.07	3	2.13	.01	.04	1	1
31258	1	63	7	75	.1	26	14	1467	2.67	2	5	ND	1	50	.3	2	2	53	.90	.093	7	39	.63	201	.06	4	2.24	.02	.13	1	1
31259	1	49	6	48	.1	14	11	567	3.13	4	5	ND	1	33	.2	2	2	63	.40	.037	8	23	.62	146	.09	2	2.11	.01	.09	1	1
31260	1	45	6	92	.1	20	12	1718	2.63	5	5	ND	1	55	.4	2	2	48	.60	.147	8	31	.52	218	.07	3	2.32	.02	.07	1	1
31261	1	30	5	58	.1	19	10	838	2.90	3	5	ND	1	34	.3	2	2	54	.49	.056	6	30	.57	143	.09	4	1.86	.01	.15	1	1
31262	1	44	5	51	.1	14	11	814	3.52	6	5	ND	1	38	.3	2	2	66	1.01	.064	7	23	.71	159	.09	5	1.51	.02	.14	1	2
31263	1	37	5	52	.1	13	11	789	3.27	3	5	ND	1	59	.3	2	2	62	1.03	.059	7	22	.66	161	.09	7	1.46	.02	.20	1	5
31264	1	38	4	43	.1	15	11	731	3.29	2	5	ND	1	55	.2	2	2	64	.85	.044	7	26	.72	129	.09	6	1.55	.02	.23	1	2
31265	1	51	5	59	.2	18	14	827	3.58	5	5	ND	1	49	.7	2	2	72	.70	.059	7	30	.73	155	.08	4	1.71	.01	.17	1	2
31266	1	60	7	48	.1	13	12	711	3.45	4	5	ND	1	65	.4	2	2	62	.81	.040	9	19	.58	175	.08	4	1.85	.01	.15	1	1
31267	1	36	6	44	.1	13	10	485	3.15	3	5	ND	1	89	.3	2	2	60	1.71	.071	6	23	.87	110	.08	8	1.39	.02	.09	1	6
31268	1	42	8	48	.1	16	12	746	3.45	6	5	ND	1	56	.4	2	2	62	.83	.055	7	25	.84	124	.08	5	1.57	.02	.16	1	3
31269	1	30	6	39	.1	15	12	664	3.01	3	5	ND	1	38	.2	2	2	58	.38	.040	6	26	.58	117	.09	3	1.75	.02	.14	1	3
31270	1	113	4	24	.2	13	7	383	1.61	3	6	ND	1	286	.2	2	2	33	7.19	.056	5	22	.79	88	.04	12	1.09	.04	.08	1	1
STANDARD C/AU-S	18	57	39	130	6.9	73	31	1056	3.97	40	20	7	39	55	19.7	14	19	57	.46	.097	39	59	.90	183	.07	32	1.90	.06	.13	11	54

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
31271	1	61	2	44	.1	13	9	315	2.12	2	5	ND	1	270	.2	2	2	43	7.05	.062	2	19	1.01	114	.06	6	1.52	.05	.07	1	6
31272	1	32	2	51	.1	9	7	566	1.82	2	5	ND	1	286	.2	2	2	34	8.79	.051	2	12	.77	144	.05	11	1.26	.05	.11	1	1
31273	1	30	2	227	.1	11	8	2281	2.30	2	5	ND	1	44	.3	2	2	33	.70	.100	2	16	.44	399	.07	5	1.69	.02	.17	1	1
31274	1	27	2	81	.1	14	10	903	2.91	3	5	ND	1	32	.2	2	2	51	.43	.060	3	22	.56	168	.09	2	1.95	.01	.14	1	1
31275	1	34	4	98	.2	15	11	894	3.35	2	6	ND	1	34	.2	2	2	60	.47	.050	5	25	.67	189	.10	2	2.53	.02	.12	1	1
31276	1	27	2	46	.1	13	10	576	3.11	2	6	ND	1	47	.2	2	2	59	.48	.013	4	22	.61	133	.11	2	1.93	.02	.10	1	2
31277	1	47	3	39	.1	13	12	365	4.60	5	8	ND	1	49	.3	2	2	78	.60	.011	6	22	.71	143	.11	2	2.19	.02	.09	1	36
31278	1	22	4	53	.2	12	8	331	2.88	2	6	ND	1	29	.2	2	2	54	.32	.011	2	20	.58	99	.10	3	1.75	.02	.09	1	3
31279	1	27	3	49	.1	11	9	624	3.07	2	5	ND	1	30	.2	2	2	58	.37	.035	2	21	.55	130	.11	2	1.46	.01	.12	1	1
31280	1	34	3	57	.2	13	10	587	3.64	3	5	ND	1	28	.2	2	2	70	.41	.045	3	23	.67	142	.12	2	1.50	.01	.12	1	4
31281	1	57	2	57	.1	15	16	590	4.05	3	5	ND	1	38	.2	2	2	79	.55	.029	5	27	.98	120	.10	2	2.14	.02	.11	1	2
31282	1	19	2	39	.1	12	13	311	3.36	2	5	ND	1	28	.2	2	2	69	.35	.007	2	21	.69	69	.09	2	2.16	.02	.03	1	1
31283	1	24	2	59	.1	18	14	720	3.76	2	5	ND	1	30	.2	2	2	67	.41	.026	2	30	.94	104	.09	2	2.40	.02	.08	1	2
31284	1	27	2	74	.1	14	12	739	3.11	2	6	ND	1	34	.2	2	2	58	.44	.045	2	21	.67	148	.09	2	2.22	.02	.07	1	1
31285	1	48	5	61	.1	18	15	656	3.97	2	5	ND	1	44	.3	2	2	80	.51	.024	3	31	.87	96	.11	2	2.24	.02	.07	1	1
31286	1	39	2	40	.1	14	11	857	3.06	2	5	ND	1	54	.3	2	2	60	.57	.044	4	23	.61	141	.09	3	1.76	.02	.15	1	4
31287	1	52	2	69	.1	19	14	917	3.78	2	5	ND	1	38	.3	2	2	65	.53	.038	6	31	.82	137	.09	2	2.41	.01	.20	1	4
31288	1	62	2	75	.1	18	14	1447	3.13	2	5	ND	1	45	.4	2	2	60	.73	.053	4	26	.74	183	.09	4	2.03	.02	.18	1	3
31289	1	43	2	42	.1	17	12	823	3.25	3	5	ND	1	35	.3	2	2	63	.49	.067	5	30	.72	145	.09	4	2.00	.01	.41	1	3
31290	1	50	2	74	.1	12	13	1132	3.55	5	5	ND	1	33	.3	2	2	59	.56	.092	5	20	.78	164	.07	3	2.00	.01	.10	1	2
31291	1	46	2	74	.2	11	10	1225	2.28	2	5	ND	1	51	.3	2	2	39	.79	.170	4	15	.42	246	.05	4	1.99	.02	.10	1	5
31292	1	65	2	84	.2	14	12	1504	2.56	2	5	ND	1	56	.5	2	2	41	.80	.132	8	16	.48	249	.05	2	1.90	.01	.13	1	24
31293	1	41	2	40	.1	11	8	566	2.04	2	5	ND	1	61	.2	2	2	30	1.40	.057	3	15	.54	168	.06	2	1.65	.02	.11	1	3
31294	1	73	5	61	.1	16	14	648	3.89	2	5	ND	1	32	.3	2	2	66	.61	.051	6	26	.98	101	.07	2	2.05	.01	.11	1	1
31295	1	63	2	57	.1	18	13	856	3.46	6	5	ND	1	37	.2	2	2	60	.72	.070	5	30	.86	154	.08	2	2.03	.01	.19	1	2
31296	1	44	2	61	.1	16	12	1096	2.90	2	5	ND	1	52	.3	2	2	50	.78	.085	5	27	.77	211	.08	4	2.17	.02	.19	1	1
31297	1	59	2	60	.1	20	13	910	3.32	6	5	ND	1	46	.5	3	2	69	1.11	.086	6	39	1.03	177	.09	6	2.22	.02	.23	1	7
31298	1	48	4	60	.2	16	12	911	3.15	3	5	ND	1	38	.2	2	2	55	.62	.070	7	25	.70	177	.09	2	2.13	.02	.15	1	27
31299	1	55	6	44	.1	16	12	377	3.05	2	5	ND	1	67	.2	2	2	56	2.15	.046	2	26	.97	116	.10	4	1.80	.02	.16	1	5
STANDARD C/AU-S	19	57	38	129	7.0	71	32	1051	3.98	37	23	6	39	52	18.6	18	22	55	.45	.090	37	56	.89	183	.07	32	1.89	.06	.14	13	54

LUND 1

L 1491

LUND 2

3800

L 106 N

L 105 N

L 104 N

L 103 N

L 102 N

L 101 N

L 100 N

FOREST

L 1492

100+00E

105+00E

110+00E

115+00E

2 Lines

Lundbom Lake

LUND 3

4000

4100

LUND 3

SCALE

100 0 100 200 300 400

METRES

Soil grid line with sample locations

Copper (ppm)

Gold (ppb)

Sample number

Grab sample location and number

Copper(ppm)

Gold(ppb)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,977

FOX GEOLOGICAL CONSULTANTS LTD.

LUND CLAIMS

SOIL and ROCK GEOCHEMISTRY

Cu (ppm), Au(ppb)

SCALE	DATE	FILE	N.T.S.	DWG No
1:5000		100-		3