

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

REPORT ON SOIL GEOCHEMISTRY

BLONDIE PROPERTY

Golden Mining Division

Invermere Area

N.T.S. 82K/9

Lat: 50° 34'

Long: 116° 23'

OWNER

Cominco Ltd.

Kootenay Exploration
1051 Industrial Road No. 2
Cranbrook, B.C.
VIC 4K7

Work performed during September, 1983

Report by:

M. Waskett-Myers
Technician

Under the Supervision of:

D. Anderson
Project Geologist

12,200

LOGICAL BRANCH
REPORT

TABLE OF CONTENTS

	Page
1.00 SUMMARY	1
2.00 INTRODUCTION	1
2.10 Property Definition.	1
2.20 Location and Access.	1
2.30 Topography and Vegetation.	1
2.40 Objectives	1
3.00 GEOCHEMISTRY	2
3.10 Sampling Procedure	2
3.20 Sample Preparation and Analysis.	2
4.00 CONCLUSIONS.	2
EXHIBIT "A" STATEMENT OF EXPENDITURES	4
AFFIDAVIT.	5
STATEMENT OF QUALIFICATIONS.	6
APPENDIX - GEOCHEM RESULTS	In Pocket
PLATE 1 - LOCATION MAP	"
PLATE 2 - SOIL GEOCHEMISTRY.	"

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EXPLORATION

WESTERN DISTRICT

SOIL GEOCHEMISTRY REPORT

BLONDIE PROPERTY

Golden Mining Division

1.00 SUMMARY

To the north of Horsethief Creek the geochem program consisted of 4 lines of contour sampling.

South of Horsethief Creek 2 fairly short contour lines were sampled and a road traverse was carried out.

A total of 291 samples were collected and these were run for a thirty element scan on an inductively coupled plasma spectrograph.

Expenditures on this survey were \$3,586.00.

2.00 INTRODUCTION

2.10 Property Definition

The Blondie is owned by V. Winser and G. Larrabee of Invermere. The property is under option to Cominco, the work was performed by Kootenay Exploration (Cominco Ltd.).

2.20 Location and Access

The Blondie property is located on Horsethief creek approximately 25 km WNW of Invermere. Access is by good logging road along Horsethief Creek to within about 6 km of the property thence by four wheel drive road to the property.

2.30 Topography and Vegetation

Elevation on the property ranges from 1092 metres to 2286 metres above sea level. The area south of Horsethief Creek has been logged in the past and the vegetation is now made up of fairly dense brush interspersed with small to medium sized trees.

To the north of the Horsethief the property lies in an area of mature timber consisting of fir and lodgepole pine.

2.40 Objectives

The geochemical survey was undertaken to explore for Cu/Ag deposits in upper precambrian rocks of the Horsethief Formation.

3.00 GEOCHEMISTRY

3.10 Sampling Procedure

The six contour lines were sampled at 50 metre intervals. On the road traverse, samples were taken every 100 metres. During the soil sampling silt samples were taken wherever creeks were encountered. The samples were collected from the 'B' horizon at depths of 10-20 centimetres, using a shovel.

3.20 Sample Preparation and Analysis

Samples were collected in wet strength kraft bags. The samples were air dried, packed and shipped to Acme Analytical Laboratories Ltd. in Vancouver, for analysis.

A .5 gram sample is digested in 3 mls of aqua regia at 90° centigrade for 1 hour. The sample is diluted to 10 mls with water.

Each sample was run for a thirty element scan on an inductively coupled plasma spectrograph. Of these thirty elements only copper, bismuth and silver were considered of importance.

4.00 CONCLUSIONS

An area of weakly anomalous copper values were detected on the north part of the survey. This anomaly will be investigated in more detail in 1984.

Report by: M. D. Waskett-Myers
M.D. WASKETT-MYERS
Technician

Endorsed by: John Hamilton for
D. ANDERSON, P.Eng.
Project Geologist

Approved by: John Hamilton
J.M. HAMILTON, P.Eng.
Chief Geologist
Kimberley

Approved for
Release by: W. J. McCall for
G. HARDEN, Manager
Exploration
Western District
Vancouver

xc: Mining Recorder (2 copies) ✓
Western District, Exploration
Kootenay Exploration

EXHIBIT "A"
STATEMENT OF EXPENDITURES
SOIL GEOCHEMISTRY - BLONDIE PROPERTY
GOLDEN MINING DIVISION

Salaries

M.D. Waskett-Myers - Technician, Field, Office, Report Writing - 6 days @ \$145/day =	\$ 870.00
B.E. Sherret - Geological Assistant - Field 6 days @ \$80/day =	480.00
<u>Geochem Assays</u> - 291 days @ \$6.00/sample =	1,746.00
<u>Transportation</u> - 6 days @ \$40/day =	240.00
<u>Domicile</u> =	<u>250.00</u>
	\$3,586.00

m. Waskett-Myers
M.D. WASKETT-MYERS
Technician

IN THE MATTER OF THE

B.C. MINERAL ACT

AND

IN THE MATTER OF A SOIL GEOCHEMISTRY PROGRAMME

CARRIED OUR ON THE BLONDIE PROPERTY

INVERMERE AREA

in the Golden Mining Division of
the Province of British Columbia

More Particularly N.T.S. 82K/9

A F F I D A V I T

I, M.D. Waskett-Myers, of the City of Cranbrook, in the Province of British Columbia, make Oath and say:

1. That I am employed as a Technician by Cominco Ltd. and as such, have a personal knowledge of the facts to which I hereinafter depose:
2. That annexed hereto and marked as Exhibit "A" to this my Affidavit is a true copy of expenditures incurred on a Soil Geochemistry programme, on the Blondie property.
3. That the said expenditures were incurred between the 19th day of September, 1983 and the 26th day of September, 1983 for the purpose of mineral exploration on the above noted property.

M. D. Waskett-Myers
M.D. WASKETT-MYERS
Technician

COMINCO LTD.

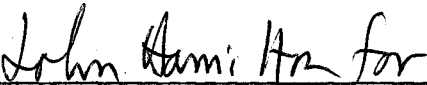
EXPLORATION

WESTERN DISTRICT

STATEMENT OF QUALIFICATIONS

M.D. WASKETT-MYERS has worked in Mineral Exploration for the past seventeen years. He spent the last seven years working for Cominco Ltd., principally in the field of geochemistry.

I consider him qualified to prepare this report.


DOUGLAS ANDERSON, P.Eng.
Project Geologist

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS, VANCOUVER B.C.

PH: 253-3158

TELEX: 04-53124

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
THIS LEACH IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, Mn, Ba, Sr, Cr AND B. Au DETECTION 3 ppm.
SAMPLE TYPE - SOIL

DATE RECEIVED SEPT 30 1983

DATE REPORTS MAILED Oct 5/83ASSAYER N. J. Toy DEAN TOYE, CERTIFIED B.C. ASSAYER

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FILE # 83-2376

PAGE # 1

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Ml	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	M
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
B-2982	4	27	13	51	.4	32	10	297	3.64	16	2	ND	10	11	1	2	2	22	.14	.04	25	30	.81	52	.02	3	1.80	.01	.10	2
B-2983	4	26	14	49	.2	31	10	313	3.57	12	2	ND	10	10	1	3	2	22	.13	.04	25	29	.78	47	.02	2	1.75	.01	.09	3
B-2984	1	32	10	49	.1	44	12	340	3.96	8	4	ND	11	11	1	2	2	23	.10	.03	20	39	1.01	64	.02	2	2.38	.01	.10	2
B-2985	1	21	7	41	.2	40	12	323	3.55	7	2	ND	9	11	1	2	2	20	.15	.03	19	34	.85	77	.01	2	2.15	.01	.10	2
B-2986	1	22	10	56	.1	39	11	432	3.45	6	2	ND	9	15	1	2	2	21	.23	.05	18	33	.80	244	.03	2	2.59	.01	.18	2
B-2987	1	15	1	42	.2	38	9	393	3.00	8	2	ND	6	15	1	2	2	22	.15	.08	14	26	.63	188	.05	3	2.59	.01	.11	2
B-2988	1	60	8	53	.1	46	15	846	3.57	14	2	ND	10	19	1	2	2	22	.17	.05	18	35	.90	141	.03	2	2.36	.01	.11	2
B-2989	1	40	19	82	.1	66	27	1470	5.05	12	4	ND	11	21	1	2	2	28	.17	.10	20	46	1.09	193	.02	2	2.69	.01	.09	2
B-2990	1	28	11	41	.1	44	20	615	3.90	7	2	ND	8	17	1	2	2	23	.17	.04	15	33	.83	122	.03	4	2.07	.01	.15	2
B-2991	1	34	12	59	.1	60	19	666	4.81	3	2	ND	11	17	1	3	2	26	.22	.03	9	50	1.06	97	.01	2	2.81	.01	.08	2
B-2992	1	23	12	66	.1	33	13	1949	2.77	10	2	ND	6	32	1	2	2	18	.48	.04	11	26	.60	349	.02	3	1.84	.01	.08	2
B-2993	1	107	19	110	.1	153	44	570	5.57	13	3	ND	22	15	1	2	2	28	.17	.04	45	44	1.05	113	.01	2	2.73	.01	.07	2
B-2994	1	23	16	47	.2	54	14	627	3.98	5	2	ND	9	19	1	2	2	25	.34	.02	21	35	.90	163	.03	3	2.84	.01	.14	2
B-2995	1	13	7	29	.1	35	11	221	3.23	9	2	ND	6	13	1	3	2	25	.19	.01	12	29	.68	122	.03	2	2.40	.01	.13	2
B-2996	1	51	22	70	.1	35	18	1069	4.29	24	3	ND	13	30	1	2	2	26	.30	.08	19	34	.94	228	.04	3	2.79	.01	.19	2
B-2997	1	33	11	59	.1	35	19	1310	2.44	9	2	ND	5	32	1	2	2	17	.71	.07	14	19	.53	361	.03	5	1.66	.02	.22	2
B-2998	1	35	22	37	.2	31	12	637	3.37	26	2	ND	13	36	1	2	2	30	.77	.05	21	35	.97	310	.07	3	2.56	.04	.29	2
B-2999	1	29	44	62	.1	31	13	539	3.66	48	2	ND	10	18	1	2	2	16	.41	.09	18	17	.46	337	.01	6	1.38	.01	.20	2
B-3000	1	36	28	53	.1	34	11	419	3.18	37	2	ND	11	29	1	2	2	18	.46	.07	17	20	.50	373	.03	4	2.00	.01	.21	2
B-3001	1	29	9	31	.1	24	9	223	2.89	28	2	ND	17	23	1	2	2	24	.21	.03	24	24	.70	126	.05	3	1.87	.01	.22	2
B-3002	1	24	8	37	.1	25	10	320	3.06	36	2	ND	15	22	1	2	2	24	.22	.03	24	29	.70	193	.05	2	1.88	.01	.30	2
B-3003	1	30	17	78	.1	29	11	1303	3.18	38	2	ND	13	21	1	2	2	26	.23	.08	14	20	.50	380	.06	3	2.59	.01	.14	2
B-3004	1	41	23	64	.1	28	11	2088	3.05	10	2	ND	41	20	1	2	4	26	.34	.03	12	26	1.23	456	.08	2	2.43	.01	.16	2
B-3005	1	52	17	66	.2	47	18	459	4.26	41	8	ND	16	29	1	4	2	35	.23	.10	23	35	.85	186	.14	2	4.45	.01	.26	2
B-3006	1	63	21	81	.1	52	20	760	4.53	23	2	ND	12	156	1	2	2	52	.94	.03	11	68	1.26	192	.16	3	5.75	.15	.47	2
B-3008	1	52	23	56	.1	42	14	284	4.18	21	2	ND	12	103	1	2	2	24	.37	.04	13	26	.61	162	.07	3	3.12	.02	.17	2
B-3009	1	44	17	83	.2	62	16	332	3.79	57	2	ND	8	35	1	2	2	27	.42	.06	14	34	1.11	253	.09	5	3.36	.02	.29	2
B-3010	1	136	13	44	.3	41	19	315	5.93	59	2	ND	11	31	1	4	23	33	.32	.04	18	32	.95	95	.08	2	2.51	.01	.22	2
B-3011	1	19	15	57	.1	22	8	355	2.11	160	2	ND	5	29	1	2	3	20	.37	.06	6	10	.22	147	.09	2	2.94	.01	.05	2
B-3012	1	38	9	60	.1	48	19	743	3.84	38	2	ND	9	55	1	2	2	22	.34	.05	12	21	.55	159	.05	5	2.25	.02	.17	2
B-3013	1	38	12	76	.1	33	13	1360	3.12	54	2	ND	6	111	1	2	2	22	.86	.07	8	22	.56	252	.05	6	2.14	.04	.29	2
B-3014	1	93	30	88	.1	75	30	778	5.66	28	4	ND	10	204	1	2	2	32	2.23	.08	10	35	.83	164	.08	6	3.39	.06	.36	2
B-3015	1	48	41	57	.3	36	17	1332	3.16	8	2	ND	5	232	1	2	2	25	3.67	.10	7	29	.72	160	.06	7	2.58	.07	.42	2
B-3016	1	59	22	70	.1	56	24	774	5.15	26	2	ND	10	180	1	2	2	40	1.07	.04	10	51	1.33	173	.11	4	4.32	.10	.61	2
B-3017	1	48	6	63	.2	73	22	1040	5.60	14	5	ND	6	47	1	4	2	55	1.21	.04	10	53	4.07	137	.16	2	5.21	.05	1.51	2
B-3018	1	31	14	56	.1	35	14	837	3.83	50	2	ND	10	44	1	2	2	26	.34	.04	15	28	.79	338	.06	4	2.13	.01	.27	2
B-3019	1	33	16	86	.1	76	23	1330	4.99	171	2	ND	17	24	1	2	2	23	.29	.05	28	18	.42	317	.03	5	1.73	.01	.20	2
C.D A-1	1	30	39	182	.3	36	13	1032	2.82	9	2	ND	2	37	1	2	2	60	.60	.09	8	74	.73	282	.08	7	2.06	.02	.19	2

COMINCO LTD FILE # 83-2378

PAGE # 2

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 %	M ppm
B-3020	1	24	23	97	.1	42	15	2739	3.28	97	2	ND	9	34	1	2	2	26	.40	.06	19	16	.40	560	.05	4	2.02	.01	.12	3
B-3021	1	29	16	94	.1	59	20	919	3.52	38	2	ND	8	17	1	2	2	29	.14	.04	15	24	.58	373	.06	4	2.40	.01	.14	2
B-3022	1	25	13	79	.1	48	16	666	3.30	11	2	ND	6	22	1	2	2	31	.20	.02	15	27	.57	215	.07	5	2.74	.01	.20	2
B-3023	1	23	18	52	.1	24	12	324	2.93	21	2	ND	5	18	1	2	2	29	.18	.03	14	17	.59	163	.03	4	2.43	.01	.11	2
B-3024	1	31	13	42	.1	25	13	266	2.66	13	2	ND	9	12	1	2	2	26	.16	.03	18	20	1.04	145	.07	3	1.87	.01	.11	2
B-3025	1	15	3	6	.3	11	2	301	.35	5	2	ND	2	510	1	2	2	2	12.46	.04	2	7	.70	79	.01	8	.26	.01	.03	2
B-3026	1	17	19	41	.1	22	13	229	2.88	18	2	ND	6	25	1	2	2	28	.31	.02	12	17	.64	109	.07	4	2.07	.01	.08	2
B-3027	1	24	20	15	.3	13	6	222	1.47	10	2	ND	2	185	1	2	7	8	11.88	.03	4	7	.45	89	.02	6	1.00	.01	.06	2
B-3028	1	12	21	22	.1	21	8	94	2.59	11	2	ND	12	13	1	2	7	23	.21	.01	13	13	.35	97	.03	3	2.07	.01	.07	2
B-3029	1	9	17	27	.1	13	8	148	2.33	9	2	ND	6	21	1	2	37	22	.21	.04	15	11	.19	93	.02	3	1.01	.01	.06	2
B-3030	1	32	13	29	.1	26	11	393	2.99	19	2	ND	5	134	1	2	2	16	3.37	.04	13	15	1.00	96	.02	5	1.62	.01	.09	2
B-3031	1	14	8	19	.1	17	9	149	2.07	9	2	ND	4	13	1	2	2	19	.21	.01	16	16	.76	66	.04	3	1.37	.01	.09	2
B-3032	1	15	16	23	.1	33	10	261	3.21	15	2	ND	6	27	1	2	2	20	.17	.01	17	16	.33	134	.03	4	2.44	.01	.09	2
B-3033	1	18	10	15	.1	23	8	144	2.74	8	2	ND	4	23	1	2	2	18	.15	.01	12	12	.20	106	.06	3	2.99	.02	.07	2
B-3034	1	42	20	42	.1	33	13	287	4.53	21	2	ND	6	14	1	2	2	20	.12	.01	27	21	.53	57	.01	4	1.86	.01	.06	2
B-3035	1	16	17	34	.1	27	10	147	2.71	9	2	ND	5	25	1	2	2	17	.20	.01	15	21	.49	105	.02	4	2.22	.02	.06	2
B-3036	1	24	10	28	.1	30	12	165	2.91	14	2	ND	7	11	1	2	2	17	.10	.01	29	19	.53	83	.02	3	1.79	.01	.06	2
B-3037	1	40	18	44	.1	45	14	188	3.82	12	2	ND	7	17	1	2	2	23	.15	.02	20	28	.68	130	.04	4	3.07	.01	.10	2
B-3038	1	13	12	23	.1	21	8	117	2.15	7	2	ND	4	17	1	2	2	17	.15	.01	17	15	.59	103	.04	3	1.85	.01	.08	2
B-3039	1	21	22	36	.1	29	11	223	3.20	13	2	ND	6	10	1	2	2	18	.13	.01	19	21	.58	119	.02	4	1.84	.01	.11	2
B-3040	1	24	18	45	.1	31	11	171	3.65	18	2	ND	5	5	1	2	2	20	.09	.01	24	23	.62	65	.01	4	1.80	.01	.08	2
B-3041	1	44	24	62	.1	31	15	428	3.63	40	2	ND	7	22	1	2	2	13	.94	.05	16	17	.79	159	.01	4	1.12	.01	.06	2
B-3042	1	44	24	54	.1	37	16	491	4.13	31	2	ND	8	12	1	2	2	14	.43	.04	21	22	.66	79	.01	4	1.29	.01	.05	2
B-3043	1	46	39	58	.2	36	15	517	3.71	37	2	ND	7	36	1	2	2	11	1.45	.05	13	17	.95	115	.01	3	1.05	.01	.06	2
B-3044	1	44	24	73	.1	34	14	510	3.85	32	2	ND	8	16	1	2	2	13	.57	.04	18	16	.71	93	.01	3	1.15	.01	.06	2
B-3045	1	46	25	63	.1	34	14	503	3.74	31	2	ND	8	19	1	2	2	13	.68	.04	17	19	.69	113	.01	4	1.20	.01	.07	2
B-3046	1	52	27	61	.1	38	15	558	3.90	32	2	ND	8	23	1	2	2	13	1.04	.05	15	20	1.01	95	.01	4	1.27	.01	.06	2
B-3047	1	21	29	103	.1	31	13	427	3.65	30	2	ND	7	8	1	2	2	16	.15	.04	23	22	.49	141	.01	4	1.40	.01	.08	2
B-3048	1	26	33	128	.1	33	14	362	3.68	26	2	ND	7	5	1	2	2	14	.11	.04	23	21	.61	92	.01	3	1.35	.01	.06	2
B-3049	1	54	44	67	.1	42	20	468	4.67	56	2	ND	6	18	1	2	3	15	.93	.05	10	20	.98	155	.01	5	1.24	.01	.06	2
B-3050	1	45	35	48	.1	29	14	331	3.65	23	2	ND	8	9	1	2	3	18	.36	.02	21	19	.84	186	.02	5	1.44	.01	.10	2
B-3051	1	30	31	63	.1	26	14	179	3.40	21	2	ND	6	8	1	2	3	19	.15	.03	21	16	.54	136	.02	5	1.69	.01	.07	2
B-3052	1	11	36	48	.1	28	10	187	2.45	13	2	ND	3	9	1	2	2	26	.15	.03	13	23	.36	162	.05	4	2.18	.01	.07	2
B-3053	1	41	44	54	.1	31	15	318	3.76	21	2	ND	7	8	1	2	4	21	.31	.03	22	20	.94	147	.02	6	1.69	.01	.11	2
B-3054	1	32	24	43	.1	30	14	220	3.32	18	2	ND	5	9	1	2	3	23	.22	.02	16	21	1.10	430	.03	5	1.82	.01	.09	2
B-3055	1	13	21	55	.1	26	11	147	3.29	23	2	ND	4	5	1	2	2	26	.09	.02	15	20	.57	186	.03	4	2.03	.01	.09	2
B-3056	1	17	38	58	.1	26	10	156	2.97	11	2	ND	4	16	1	2	2	22	.23	.02	10	18	.49	267	.05	5	3.02	.02	.09	2
STD A-1	1	30	39	183	.3	36	13	1033	2.83	10	2	ND	2	36	1	2	2	60	.61	.09	8	73	.72	281	.08	7	2.05	.01	.20	2

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
B-3057	1	19	33	40	.3	20	10	166	2.64	13	3	ND	4	13	1	2	2	22	.20	.03	13	18	.35	193	.03	4	2.57	.04	.20	2
B-3058	1	33	28	59	.4	49	13	199	4.03	10	3	ND	4	7	1	2	2	19	.03	.03	7	33	.93	59	.01	4	2.36	.01	.06	2
B-3059	1	19	21	45	.2	28	11	178	2.93	12	3	ND	4	12	1	2	2	20	.13	.04	11	19	.59	180	.04	4	2.65	.01	.09	2
B-3060	1	16	23	51	.1	34	13	523	3.11	5	4	ND	4	18	1	2	2	20	.23	.06	13	23	.60	151	.02	6	2.15	.01	.14	2
B-3061	1	22	23	43	.2	32	12	278	3.27	10	2	ND	5	17	1	2	2	21	.14	.03	12	22	.65	133	.03	5	2.38	.01	.12	2
B-3062	1	12	63	512	.2	23	9	257	3.16	13	2	ND	5	13	1	2	2	27	.53	.01	16	19	.63	247	.04	7	2.54	.02	.10	2
B-3063	1	32	278	601	.6	27	9	322	3.83	28	2	ND	5	14	1	8	2	24	1.85	.02	21	18	1.23	238	.02	8	2.34	.01	.27	2
B-3064	1	36	169	623	.3	32	11	241	4.51	25	2	ND	6	9	1	6	2	25	.47	.01	19	22	.69	204	.02	7	2.07	.01	.12	2
B-3065	1	33	43	561	.4	12	4	103	1.32	9	2	ND	2	20	1	7	2	13	.58	.03	8	11	.28	215	.06	6	1.92	.04	.07	2
B-3066	1	18	77	1245	.7	9	4	349	1.28	9	2	ND	2	115	3	3	6	9	14.74	.04	6	7	1.47	510	.03	10	1.44	.02	.08	2
B-3067	1	14	29	200	.2	26	11	116	2.93	11	5	ND	3	7	1	2	2	19	.22	.02	12	20	.49	120	.02	4	1.71	.01	.07	2
B-3068	1	10	45	364	.2	22	8	110	2.59	4	2	ND	4	10	1	2	2	18	.37	.01	22	15	.47	219	.02	6	2.17	.01	.12	2
B-3069	1	44	36	114	.4	45	17	438	4.28	8	2	ND	7	10	1	2	2	19	.48	.02	15	33	1.08	99	.01	3	1.90	.01	.14	2
B-3070	1	17	48	92	.3	31	10	168	3.20	7	2	ND	4	9	1	2	2	19	.30	.02	15	20	.57	209	.02	5	2.38	.01	.12	2
B-3071	1	38	19	31	.3	24	13	431	3.20	24	2	ND	5	114	1	2	3	20	6.93	.03	8	16	1.29	163	.03	5	1.26	.01	.11	2
B-3072	1	11	15	21	.1	18	8	135	2.28	9	2	ND	4	20	1	2	2	21	.23	.01	9	11	.37	90	.06	5	2.48	.02	.06	2
B-3073	2	33	17	34	.2	33	14	271	3.81	18	2	ND	6	21	1	3	2	23	.23	.02	20	18	.70	104	.03	5	1.97	.01	.09	2
B-3074	1	12	14	14	.2	14	5	114	1.63	5	3	ND	3	84	1	2	2	14	3.31	.02	8	9	.30	54	.02	5	1.18	.02	.07	2
B-3075	1	9	15	9	.2	9	3	353	1.54	3	2	ND	2	293	1	2	2	9	11.00	.03	4	8	.39	65	.02	7	1.12	.02	.07	2
B-3076	1	5	12	18	.1	8	5	209	1.27	3	2	ND	3	23	1	2	2	18	.47	.01	12	10	.55	57	.03	3	1.14	.01	.08	2
B-3077	1	15	11	19	.1	15	7	101	2.16	7	2	ND	4	12	1	2	2	21	.22	.01	12	15	.60	38	.03	4	1.30	.01	.07	2
B-3078	1	11	18	23	.1	17	8	146	2.25	2	3	ND	3	20	1	2	2	23	.17	.01	11	14	.50	121	.06	3	2.18	.01	.08	2
B-3079	1	20	19	37	.1	20	10	208	2.40	14	3	ND	5	13	1	2	2	24	.24	.02	17	16	.87	121	.05	5	2.07	.01	.11	2
B-3080	1	37	18	31	.1	29	13	216	3.29	14	2	ND	8	18	1	3	2	24	.33	.02	21	19	.87	74	.03	3	1.88	.01	.11	2
B-3081	1	29	18	28	.1	19	10	236	2.67	17	2	ND	6	37	1	2	2	25	.44	.02	17	19	.96	121	.03	4	1.65	.01	.10	2
B-3082	1	20	13	30	.1	18	10	201	2.50	15	2	ND	5	21	1	2	2	26	.28	.01	14	14	.67	110	.04	4	1.41	.01	.09	2
B-3083	1	11	18	25	.1	17	9	113	2.12	5	2	ND	5	35	1	2	2	23	.35	.01	11	11	.60	113	.05	5	2.29	.02	.11	2
B-3084	1	30	14	25	.3	18	8	271	2.17	12	2	ND	4	207	1	2	2	15	7.20	.03	9	13	1.30	148	.03	6	1.47	.02	.15	2
B-3085	1	25	18	26	.1	17	10	391	2.50	7	3	ND	7	52	1	2	3	19	1.14	.03	16	16	.84	197	.04	5	1.40	.01	.12	2
B-3086	1	46	15	32	.3	21	11	399	2.58	18	2	ND	6	135	1	2	4	16	7.98	.04	11	13	1.61	189	.03	5	1.19	.01	.21	2
B-3087	1	19	18	36	.1	24	12	417	2.89	16	2	ND	5	18	1	2	4	24	.38	.01	17	17	.90	129	.04	5	1.61	.01	.21	2
B-3088	1	21	12	31	.1	23	9	207	2.57	13	3	ND	7	14	1	2	2	23	.24	.02	15	14	.71	198	.07	5	2.30	.01	.11	2
B-3089	1	28	20	34	.2	23	11	487	2.70	19	3	ND	4	11	1	2	2	24	.23	.02	13	17	.72	143	.05	5	1.82	.01	.09	2
B-3090	1	17	18	40	.1	21	9	190	2.57	21	2	ND	5	8	1	2	2	22	.13	.02	16	15	.55	131	.04	4	1.88	.01	.12	2
B-3091	1	8	17	24	.1	12	6	198	1.94	19	3	ND	3	13	1	2	2	25	.23	.09	7	10	.41	114	.08	3	2.70	.02	.07	2
F-3092	1	24	11	15	.5	18	11	872	2.61	9	2	ND	2	49	1	4	2	34	8.76	.03	5	32	9.26	124	.08	13	2.23	.01	.10	2
B-3093	1	11	16	22	.1	17	7	177	1.96	13	2	ND	3	18	1	2	2	18	.28	.01	9	11	.50	257	.06	5	2.71	.02	.12	2
STD A-1	1	30	39	178	.3	36	12	1004	2.85	9	2	ND	2	36	1	2	2	59	.61	.09	8	73	.72	279	.08	8	2.06	.02	.20	2

COMINCO LTD FILE # 83-2378

PAGE # 4

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	In 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 %	N ppm
B-3094	1	16	20	28	.1	21	10	204	2.56	12	2	ND	4	13	1	2	2	22	.14	.01	10	13	.56	179	.05	4	2.69	.01	.11	2
B-3095	1	39	27	90	.1	31	14	690	3.58	29	2	ND	6	25	1	2	2	13	1.14	.05	11	20	.92	134	.01	5	1.12	.01	.08	2
C-1886	1	15	40	53	.1	19	10	316	2.72	7	2	ND	5	16	1	2	2	24	.53	.02	18	19	.89	425	.01	6	1.46	.01	.11	2
C-1887	1	84	16	113	.1	81	30	799	5.32	14	2	ND	11	11	1	2	2	20	.16	.03	24	43	1.20	167	.01	5	2.50	.01	.07	2
C-1888	1	44	17	118	.2	49	19	2173	4.13	7	2	ND	5	45	1	4	2	23	.72	.09	17	38	1.00	266	.02	8	2.79	.01	.14	2
C-1889	1	49	7	52	.1	55	16	674	5.03	14	2	ND	8	17	1	2	2	16	.34	.04	20	23	.48	107	.01	6	1.64	.01	.09	2
C-1890	1	11	8	34	.1	50	12	382	3.26	2	2	ND	5	19	1	2	2	18	.21	.04	14	28	.64	217	.03	7	2.77	.01	.14	2
C-1891	1	21	8	42	.1	56	16	444	4.36	2	2	ND	8	20	1	2	2	22	.23	.03	12	39	1.01	155	.02	7	2.79	.01	.12	2
C-1892	1	19	5	37	.1	56	13	310	3.34	10	2	ND	8	19	1	2	2	21	.28	.06	14	27	.65	131	.04	6	2.67	.01	.18	2
C-1893	1	77	11	52	.3	109	25	456	5.04	2	2	ND	11	50	1	4	2	19	.25	.14	53	28	.67	114	.03	6	4.44	.01	.08	2
C-1894	1	18	10	94	.1	43	14	1523	2.79	2	2	ND	6	23	1	2	3	21	.27	.17	11	20	.38	341	.04	5	2.30	.01	.07	2
C-1895	1	29	15	80	.1	52	14	459	3.47	2	2	ND	9	21	1	2	2	25	.17	.14	16	29	.72	318	.06	5	3.42	.01	.14	2
C-1896	1	20	17	45	.1	44	12	387	3.32	17	2	ND	11	17	1	2	2	25	.20	.02	18	24	.68	234	.04	6	2.43	.01	.14	2
C-1897	1	73	17	82	.2	82	48	834	3.93	20	2	ND	10	33	1	4	2	19	.96	.11	19	23	.76	414	.02	8	2.08	.01	.18	2
C-1898	1	17	17	57	.3	34	13	1083	2.95	7	2	ND	6	22	1	4	5	20	.45	.04	13	21	.52	351	.03	7	2.09	.01	.17	2
C-1899	1	13	17	40	.1	43	14	434	3.26	9	2	ND	8	19	1	2	4	20	.29	.02	12	23	.60	184	.04	6	2.47	.01	.16	2
C-1900	1	30	9	49	.1	49	15	278	3.65	6	2	ND	11	22	1	2	2	23	.15	.03	18	30	.80	148	.05	7	2.54	.01	.19	2
C-2001	1	53	12	30	.1	47	14	298	3.99	12	2	ND	10	28	1	2	2	20	.18	.01	18	18	.56	101	.04	5	1.77	.01	.14	2
C-2002	1	19	14	22	.1	33	8	385	2.41	16	2	ND	5	23	1	2	3	18	.17	.02	8	12	.25	153	.08	5	2.70	.02	.08	2
C-2003	1	9	11	28	.1	27	7	504	2.04	8	2	ND	3	34	1	2	2	14	.38	.02	8	13	.32	134	.04	5	1.63	.01	.12	2
C-2004	1	17	9	27	.1	29	9	406	2.49	3	2	ND	5	23	1	2	2	16	.16	.01	12	15	.43	113	.04	4	1.61	.01	.15	2
C-2005	1	51	10	29	.1	36	11	229	3.37	8	2	ND	8	26	1	2	3	17	.76	.01	15	18	.60	77	.04	4	1.37	.01	.14	2
C-2006	1	18	10	29	.1	41	11	512	2.59	2	2	ND	5	20	1	2	3	16	.18	.01	15	14	.43	134	.04	6	1.77	.01	.20	2
C-2007	1	26	9	23	.1	36	14	259	3.00	3	2	ND	5	22	1	2	4	18	.18	.01	14	14	.40	133	.06	5	2.30	.01	.16	2
C-2008	1	17	11	19	.1	35	11	402	2.36	3	2	ND	4	26	1	2	2	14	.26	.01	12	12	.35	135	.04	5	1.67	.01	.21	2
C-2009	1	30	9	22	.1	34	11	187	2.94	3	2	ND	7	19	1	2	2	16	.16	.01	15	15	.46	78	.04	6	1.51	.01	.15	2
C-2010	1	25	9	26	.1	38	11	351	2.74	2	2	ND	5	24	1	2	2	16	.23	.01	11	14	.37	139	.04	4	1.75	.01	.14	2
C-2011	1	105	16	28	.1	56	18	367	4.09	10	2	ND	12	23	1	2	31	18	.16	.02	23	13	.46	111	.05	5	1.73	.01	.17	2
C-2012	1	18	13	31	.1	35	9	659	2.21	5	2	ND	4	20	1	2	2	15	.14	.03	11	12	.32	155	.05	5	2.11	.01	.12	2
C-2013	1	28	9	32	.1	28	10	374	2.78	13	2	ND	6	13	1	2	2	15	.13	.02	16	15	.48	111	.03	4	1.31	.01	.10	2
C-2014	1	18	14	25	.1	34	9	215	2.49	13	2	ND	5	24	1	2	4	17	.17	.02	10	12	.35	182	.06	4	2.59	.01	.14	2
C-2015	1	44	16	32	.1	41	13	399	2.91	14	2	ND	8	28	1	2	2	17	.19	.02	17	13	.42	199	.05	4	2.39	.01	.12	2
C-2016	1	57	10	31	.1	39	11	308	3.18	13	2	ND	9	14	1	2	3	15	.11	.02	17	16	.46	107	.03	4	1.52	.01	.15	2
C-2017	1	27	21	40	.1	28	15	182	4.17	40	2	ND	4	8	1	2	2	43	.12	.03	10	23	.90	146	.08	3	2.70	.01	.08	2
C-2018	1	14	16	31	.1	20	10	151	3.58	23	2	ND	4	8	1	2	2	34	.06	.03	15	18	.31	108	.01	3	2.01	.01	.06	2
C-2019	1	19	13	42	.1	17	9	145	3.25	14	2	ND	3	8	1	2	2	29	.04	.07	10	17	.29	79	.04	3	2.13	.01	.05	2
STD A-1	1	30	38	186	.3	36	13	1052	2.79	10	2	ND	2	37	1	2	2	59	.59	.08	8	72	.73	283	.07	8	2.09	.02	.20	2

COMINCO LTD FILE # B3-2378

PAGE # 5

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 %	M ppm
C-2020	1	15	16	21	.2	15	7	107	2.13	14	2	ND	4	6	1	2	3	30	.09	.02	19	19	.66	99	.04	3	1.72	.01	.07	2
C-2021	1	26	18	27	.3	31	14	245	3.54	26	2	ND	6	20	1	2	2	26	.25	.03	26	17	.36	152	.02	5	2.12	.01	.07	2
C-2022	1	18	11	33	.1	24	12	250	3.29	26	2	ND	4	6	1	2	2	36	.07	.02	21	21	.75	106	.04	5	1.95	.01	.08	2
C-2023	1	36	17	29	.2	29	15	185	3.54	40	2	ND	5	11	1	2	3	34	.13	.02	20	20	.86	200	.06	5	2.67	.01	.08	2
C-2024	1	34	15	30	.1	28	14	171	3.46	29	2	ND	7	6	1	2	2	30	.09	.02	28	21	.90	128	.03	5	2.03	.01	.07	2
C-2025	1	29	14	41	.3	26	12	206	3.33	24	2	ND	6	7	1	4	3	38	.11	.03	18	23	.95	138	.05	5	2.41	.01	.08	2
C-2026	1	16	15	26	.4	17	9	118	2.81	23	2	ND	3	12	1	2	2	30	.16	.04	11	15	.34	107	.05	4	2.81	.02	.06	2
C-2027	1	21	13	31	.1	29	13	448	2.78	18	2	ND	5	12	1	2	2	23	.10	.04	22	17	.32	140	.03	4	2.49	.01	.07	2
C-2028	1	25	13	33	.2	34	13	282	2.79	16	2	ND	6	14	1	2	2	19	.11	.04	18	16	.34	115	.04	5	2.64	.01	.06	2
C-2029	1	19	14	26	.3	25	11	246	2.85	23	2	ND	5	18	1	2	2	21	.28	.04	15	13	.28	126	.04	4	2.99	.02	.07	2
C-2030	1	22	16	37	.2	18	11	529	3.06	31	2	ND	4	7	1	2	2	23	.06	.09	20	12	.21	113	.02	6	2.10	.01	.05	2
C-2031	1	53	19	43	.2	34	18	581	3.81	57	2	ND	7	12	1	2	2	13	.65	.04	23	14	.71	69	.01	6	1.12	.01	.06	2
C-2032	1	28	29	40	.2	30	14	507	4.09	43	2	ND	7	9	1	2	2	20	.16	.03	26	17	.38	60	.01	5	1.18	.01	.05	2
C-2033	1	36	35	34	.3	25	11	470	3.61	84	2	ND	5	33	1	2	2	22	2.00	.02	12	18	1.12	144	.01	4	1.96	.01	.06	2
C-2034	1	30	24	60	.2	43	13	316	4.40	26	3	ND	6	20	1	2	2	23	.25	.02	11	35	.75	195	.01	6	2.88	.01	.05	2
C-2035	1	16	22	30	.4	21	8	267	2.83	39	2	ND	4	18	1	2	2	22	.43	.01	12	16	.43	219	.03	5	3.16	.02	.05	2
C-2036	1	48	30	34	.2	27	13	1077	4.55	110	2	ND	7	17	1	2	2	24	1.21	.03	20	16	.97	140	.01	5	1.70	.01	.05	2
C-2037	1	20	24	47	.4	20	8	699	2.58	27	3	ND	4	18	1	2	2	20	.47	.02	11	14	.43	214	.03	4	2.91	.02	.06	2
C-2038	1	14	26	35	.2	20	10	574	3.23	32	2	ND	5	18	1	2	2	27	.32	.02	14	17	.43	171	.02	5	2.85	.02	.05	2
C-2039	1	32	25	41	.2	24	11	389	3.64	47	2	ND	6	19	1	2	2	23	.75	.02	13	17	.66	115	.01	4	2.07	.01	.04	2
C-2040	1	28	13	50	.2	37	11	232	3.14	5	2	ND	5	17	1	2	2	17	.24	.01	14	24	.58	393	.01	5	2.06	.02	.09	2
C-2041	1	20	44	133	.3	33	12	146	3.36	14	2	ND	4	11	1	2	2	19	.17	.03	17	18	.47	277	.01	5	2.76	.01	.07	2
C-2042	1	13	31	44	.3	19	7	105	2.75	21	2	ND	3	15	1	2	2	26	.29	.03	8	16	.30	173	.06	6	3.61	.03	.06	2
C-2043	1	12	15	32	.3	17	8	125	2.16	11	2	ND	3	11	1	2	2	20	.13	.03	9	16	.26	157	.05	4	3.17	.02	.04	2
C-2044	1	27	17	46	.2	24	10	184	2.76	21	4	ND	4	11	1	2	2	25	.19	.02	20	19	.64	243	.03	5	2.41	.01	.08	2
C-2045	1	19	20	36	.4	25	8	334	2.67	24	4	ND	4	18	1	2	2	22	.24	.02	12	16	.38	190	.07	5	3.46	.03	.07	2
C-2046	1	20	20	34	.5	21	8	118	2.20	22	6	ND	5	18	1	2	2	19	.33	.02	13	11	.39	255	.05	4	3.00	.03	.08	2
C-2047	1	12	25	47	.5	14	7	112	2.68	27	4	ND	3	13	1	4	2	29	.27	.05	9	14	.27	150	.07	5	3.78	.02	.05	2
C-2048	1	19	41	58	.5	23	10	326	2.92	12	2	ND	4	18	1	2	2	27	.31	.03	17	19	.50	312	.04	6	2.91	.02	.07	2
C-2049	3	154	17	51	.4	83	25	531	6.07	24	4	ND	20	32	1	2	20	18	.50	.04	43	12	.52	40	.03	8	1.03	.01	.14	2
C-2050	1	60	6	14	.4	31	10	232	2.13	4	2	ND	5	282	1	2	15	7	22.46	.04	13	5	.46	62	.01	5	.46	.01	.10	2
C-2051	1	105	13	29	.2	54	15	165	3.80	15	2	ND	16	23	1	2	2	14	.47	.01	36	16	.60	41	.03	4	1.29	.01	.21	2
C-2052	1	27	15	25	.2	38	10	239	2.67	14	2	ND	9	25	1	2	2	15	.20	.01	17	15	.41	128	.05	6	1.97	.01	.16	2
K-930	1	27	16	35	.2	35	10	463	3.00	26	2	ND	10	37	1	2	2	21	1.11	.05	22	27	1.25	358	.03	5	1.92	.04	.17	2
K-931	1	22	31	54	.3	16	8	612	1.83	15	6	ND	3	55	1	2	2	14	3.51	.05	12	19	1.97	682	.01	10	.87	.01	.10	2
K-932	1	28	19	39	.1	29	10	628	3.25	29	3	ND	31	33	1	2	2	19	1.18	.05	28	24	1.11	391	.02	5	1.64	.03	.17	2
K-933	1	27	17	73	.1	39	11	547	3.31	30	3	ND	14	29	1	2	2	24	.83	.08	58	18	.63	96	.02	6	1.12	.01	.12	2
STD A-1	1	30	40	181	.3	36	13	1032	2.80	11	2	ND	2	37	1	2	2	60	.60	.08	8	73	.73	276	.08	8	2.09	.02	.19	2

COMINCO LTD FILE # 83-2378

PAGE # 6

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
K-934	1	46	24	37	.2	29	13	572	3.31	23	2	ND	4	81	1	3	2	8	3.20	.04	5	12	1.56	65	.01	2	.67	.01	.03	2
K-935	1	48	24	51	.1	22	13	464	3.61	57	2	ND	5	18	1	3	2	12	1.32	.03	10	9	1.04	94	.01	3	.61	.01	.05	2
K-936	1	22	85	150	.2	22	8	254	2.04	12	2	ND	4	48	1	5	2	6	4.16	.04	10	10	1.83	202	.01	3	.78	.01	.02	2
K-1046	1	44	16	47	.1	20	10	585	2.74	26	2	ND	3	44	1	2	2	15	1.76	.05	10	12	1.07	140	.02	4	1.07	.01	.07	2
K-1047	1	8	4	10	.3	4	1	122	.44	2	2	ND	2	605	1	4	4	2	20.53	.02	2	5	.56	62	.01	5	.28	.01	.01	2
K-1048	1	42	20	37	.1	23	11	466	2.86	30	2	ND	5	55	1	4	2	9	2.90	.04	7	10	1.66	140	.01	2	.69	.01	.02	2
K-1049	1	45	18	45	.1	18	9	715	2.15	24	2	ND	2	54	1	3	2	12	2.03	.06	6	10	.98	136	.02	7	.92	.01	.08	2
C-1901	1	29	11	29	.1	37	11	240	2.58	9	2	ND	7	17	1	2	2	15	.26	.02	9	16	.58	106	.04	4	1.77	.01	.11	2
C-1902	1	17	16	24	.1	62	8	424	2.15	21	2	ND	7	28	1	2	2	11	.39	.01	15	13	.37	103	.05	3	2.14	.03	.08	2
C-1903	1	14	17	35	.1	49	8	250	2.55	49	2	ND	7	27	1	2	2	14	.48	.02	20	14	.34	198	.07	4	3.41	.02	.10	2
C-1904	1	9	18	29	.2	26	6	360	1.89	16	2	ND	5	14	1	2	2	15	.16	.06	9	10	.21	165	.07	4	2.52	.01	.07	2
C-1905	1	38	13	28	.1	25	9	382	2.73	21	2	ND	8	11	1	2	4	14	.11	.02	21	13	.41	54	.02	3	.93	.01	.10	2
C-1906	1	11	13	35	.1	30	8	636	2.04	17	2	ND	4	17	1	2	2	15	.14	.04	10	12	.34	182	.04	4	1.87	.01	.09	2
C-1907	1	15	13	40	.1	29	7	320	2.24	8	2	ND	5	18	1	2	2	15	.13	.03	13	14	.50	113	.04	4	1.56	.01	.10	2
C-1908	1	25	19	43	.3	41	10	337	2.57	27	2	ND	7	40	1	2	2	15	.14	.08	10	12	.37	234	.05	5	2.39	.02	.10	2
C-1909	1	11	18	37	.1	25	9	413	2.06	6	2	ND	5	14	1	2	2	14	.09	.04	10	15	.38	135	.03	4	1.66	.01	.09	2
C-1910	1	18	15	34	.1	28	9	209	2.48	13	2	ND	6	12	1	2	2	15	.07	.02	16	16	.58	86	.03	3	1.48	.01	.07	2
C-1911	1	25	10	33	.1	41	12	229	2.61	10	2	ND	8	14	1	3	2	18	.13	.02	15	15	.54	76	.05	4	1.63	.01	.10	2
C-1912	1	10	13	33	.1	25	8	597	1.72	9	2	ND	5	17	1	2	2	14	.14	.02	10	11	.36	151	.04	3	1.30	.01	.08	2
C-1913	1	22	14	57	.1	47	12	371	2.42	46	2	ND	7	20	1	2	2	18	.13	.03	12	16	.58	183	.05	3	2.03	.01	.07	2
C-1914	1	26	18	53	.1	33	9	715	2.57	29	2	ND	8	22	1	2	2	19	.29	.01	17	17	.70	117	.05	4	1.89	.01	.13	2
C-1915	1	18	16	81	.1	35	9	627	1.90	15	2	ND	6	17	1	2	2	13	.09	.06	13	11	.34	196	.05	3	1.69	.01	.07	2
C-1916	1	10	14	70	.1	43	8	304	1.80	6	2	ND	4	17	1	2	2	11	.11	.05	11	11	.21	90	.04	4	1.78	.01	.06	2
C-1917	2	37	17	86	.1	53	16	146	2.97	6	2	ND	10	36	1	2	2	14	.11	.02	15	12	.34	159	.07	4	1.89	.01	.06	2
C-1918	1	25	18	26	.1	18	4	109	3.73	9	2	ND	9	14	1	2	2	14	.06	.02	11	14	.32	85	.07	3	1.25	.01	.05	2
C-1919	3	41	22	29	.2	19	4	121	6.39	8	2	ND	12	15	1	2	2	19	.04	.06	13	16	.40	72	.08	4	1.63	.01	.05	2
C-1920	2	82	22	304	.1	197	29	701	5.26	32	2	ND	15	33	2	2	2	32	.36	.05	38	20	1.56	57	.07	7	2.40	.01	.37	2
C-1921	2	52	28	499	.1	192	28	512	5.93	275	2	ND	13	104	2	2	2	24	.53	.05	24	20	.67	105	.05	9	2.63	.04	.15	2
C-1922	1	27	19	71	.1	51	14	303	3.23	36	2	ND	8	38	1	2	2	29	.30	.01	11	21	1.06	68	.08	8	2.87	.02	.22	2
C-1923	1	8	12	36	.1	21	7	193	2.11	12	2	ND	3	36	1	2	2	17	.26	.01	5	14	.41	115	.06	6	2.23	.03	.18	2
C-1924	1	21	20	72	.1	36	13	536	3.95	16	2	ND	6	43	1	2	2	31	.32	.03	7	22	.79	109	.06	7	2.24	.02	.13	2
C-1925	2	35	14	71	.1	44	15	521	3.07	19	2	ND	7	33	1	2	2	30	.34	.01	10	20	1.51	53	.09	6	2.62	.01	.23	2
C-1926	1	43	14	54	.1	48	18	456	2.88	7	2	ND	7	49	1	2	2	22	.35	.04	7	17	.97	72	.07	7	2.45	.04	.11	2
C-1927	1	11	12	36	.1	31	9	277	2.01	9	2	ND	6	30	1	2	2	15	.31	.02	8	13	.51	67	.05	8	1.54	.03	.18	2
C-1928	1	24	16	74	.1	42	14	1075	3.25	12	2	ND	7	73	1	2	2	23	.47	.05	11	19	.54	185	.07	6	2.23	.02	.26	2
C-1929	1	44	16	67	.1	54	19	554	3.35	13	2	ND	7	30	1	2	2	30	.20	.03	10	21	1.20	108	.08	4	2.59	.01	.11	2
STD A-1	1	30	38	178	.3	35	12	1015	2.84	10	2	ND	2	38	1	2	2	59	.61	.08	8	72	.73	276	.08	7	2.07	.01	.19	2

SAMPLE #	No ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Az 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 %	M ppm
C-1930	1	30	8	101	.1	61	21	599	3.95	8	2	ND	6	42	1	2	2	28	.41	.02	13	23	.93	110	.06	6	2.62	.02	.15	2
C-1931	1	43	8	86	.2	69	28	1344	3.81	10	2	ND	4	78	1	2	2	24	.96	.03	10	18	.77	131	.06	6	2.27	.04	.13	2
C-1932	1	15	7	76	.1	50	15	961	3.16	2	2	ND	5	29	1	2	2	17	.36	.06	11	15	.50	153	.04	6	1.68	.02	.11	2
C-1933	1	11	11	104	.1	38	11	417	2.39	10	2	ND	3	22	1	12	2	17	.25	.04	8	15	.41	118	.05	5	1.84	.02	.14	2
C-1934	1	20	8	87	.1	60	17	396	3.53	37	2	ND	7	40	1	2	2	25	.33	.06	12	20	.58	162	.06	6	3.05	.02	.12	2
C-1935	1	21	7	59	.1	64	19	553	3.77	8	2	ND	7	32	1	2	2	24	.46	.02	11	23	.73	114	.04	6	2.31	.01	.18	2
C-1936	1	14	5	73	.1	49	13	475	2.70	15	2	ND	6	26	1	2	2	20	.32	.02	15	19	.38	142	.06	6	2.66	.02	.13	2
C-1937	1	17	8	48	.1	47	15	730	2.91	12	2	ND	8	16	1	2	3	18	.31	.02	19	16	.38	115	.03	6	1.42	.01	.15	2
C-1938	1	12	13	110	.1	61	15	450	2.45	8	2	ND	6	21	1	2	6	16	.47	.04	14	17	.38	231	.02	7	1.57	.01	.15	2
C-1939	1	16	8	57	.1	50	14	376	3.25	4	2	ND	7	23	1	2	4	22	.26	.02	17	20	.45	195	.05	6	2.34	.01	.10	2
C-1940	1	18	5	37	.1	44	14	226	3.12	9	2	ND	6	10	1	2	2	20	.12	.02	20	23	.55	85	.02	5	1.62	.01	.12	2
C-1941	1	15	5	56	.1	71	13	604	3.47	48	4	ND	14	65	1	2	2	23	1.17	.02	13	33	.69	87	.06	6	2.91	.06	.10	2
C-1942	1	9	10	33	.1	41	11	283	2.97	4	2	ND	5	18	1	2	2	20	.24	.01	11	19	.52	113	.03	5	2.06	.01	.13	2
C-1943	1	26	11	41	.1	41	13	285	3.53	9	2	ND	16	35	1	2	2	20	.39	.01	19	22	.67	90	.03	5	2.01	.01	.13	2
C-1944	1	20	11	59	.1	40	12	445	3.21	19	2	ND	8	25	1	2	2	22	.32	.02	18	22	.58	190	.03	4	2.31	.01	.12	2
C-1945	1	22	22	97	.1	25	13	1178	2.54	12	2	ND	5	18	1	2	3	15	.49	.08	14	18	.43	507	.02	5	1.27	.02	.14	2
C-1946	1	38	13	47	.1	57	18	737	3.85	12	2	ND	13	14	1	2	2	23	.25	.02	28	32	.86	133	.02	4	2.28	.01	.13	2
C-1947	1	20	10	45	.1	39	13	283	3.31	6	2	ND	9	14	1	2	2	22	.21	.02	22	28	.69	100	.03	4	1.80	.01	.09	2
C-1948	1	17	1	39	.1	45	13	405	3.71	4	2	ND	7	17	1	2	2	20	.27	.02	21	31	.76	124	.02	4	2.26	.01	.10	2
C-1949	1	107	54	33	.2	16	10	860	7.57	4	2	ND	2	22	1	2	257	20	.27	.08	8	9	.14	156	.02	7	.89	.02	.06	2
C-1950	1	10	6	36	.1	41	11	604	2.96	7	2	ND	7	21	1	2	4	22	.37	.05	14	21	.42	145	.05	6	2.61	.02	.10	2
C-1951	1	15	6	38	.1	63	13	597	3.19	3	2	ND	8	20	1	2	2	24	.26	.02	16	21	.44	120	.06	6	2.94	.02	.11	2
C-1952	1	20	7	72	.1	48	15	1288	3.82	3	3	ND	9	28	1	2	2	20	.34	.02	27	33	.80	162	.02	7	2.47	.01	.14	2
C-1953	1	13	10	40	.1	34	11	447	2.83	4	2	ND	6	14	1	2	2	20	.20	.02	17	20	.48	143	.03	4	2.24	.01	.09	2
C-1954	1	16	11	53	.1	40	13	320	3.57	11	2	ND	9	21	1	2	2	28	.26	.02	24	26	.64	220	.04	6	2.90	.01	.12	2
C-1955	1	40	17	55	.1	67	25	845	3.47	10	4	ND	10	27	1	2	2	27	.40	.06	24	22	.56	403	.06	6	3.50	.02	.11	2
C-1956	1	22	23	73	.1	46	14	390	3.69	10	3	ND	10	21	1	2	2	27	.27	.03	26	25	.57	419	.06	5	3.29	.02	.16	2
C-1957	1	9	12	45	.1	30	10	335	3.10	4	3	ND	14	16	1	2	2	23	.20	.01	19	25	.57	291	.05	5	2.97	.01	.14	2
C-1958	1	14	21	53	.1	31	12	497	3.75	11	2	ND	8	12	1	2	2	23	.30	.01	30	28	.73	245	.02	6	2.05	.01	.18	2
C-1959	1	46	94	303	.1	24	18	1428	3.67	7	8	ND	2	43	1	2	2	35	3.03	.05	15	24	2.05	350	.01	11	1.18	.01	.15	2
C-1960	1	13	14	74	.1	33	11	683	3.23	5	2	ND	7	14	1	2	2	23	.26	.05	18	25	.65	237	.04	5	2.75	.01	.12	2
C-1961	1	12	8	45	.1	26	9	905	2.73	2	2	ND	9	26	1	2	2	21	.54	.02	21	27	.57	136	.03	6	2.08	.02	.14	2
C-1962	1	16	2	57	.1	35	12	450	4.14	2	2	ND	14	13	1	2	2	28	.19	.02	31	40	.99	96	.03	5	2.26	.01	.16	2
C-1963	1	25	3	42	.1	36	14	496	3.93	30	2	ND	12	24	1	2	2	27	.33	.03	30	37	.87	186	.04	5	2.38	.01	.33	2
C-1964	1	21	4	74	.1	46	13	350	3.35	19	3	ND	11	20	1	2	2	25	.24	.12	23	27	.59	173	.05	6	3.31	.02	.14	2
C-1965	1	19	10	68	.1	43	13	989	3.39	13	2	ND	9	25	1	2	2	21	.25	.04	23	30	.73	216	.03	4	2.54	.01	.13	2
C-1966	1	25	8	33	.1	42	13	392	3.78	17	2	ND	9	14	1	2	2	20	.13	.01	22	35	.94	89	.01	4	2.30	.01	.09	2
STD A-1	1	30	39	183	.3	36	13	1048	2.84	10	2	ND	2	36	2	2	2	59	.60	.06	8	73	.72	283	.06	8	2.08	.02	.19	2

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 %	M ppm
C-1967	1	8	7	45	.1	26	8	549	2.49	11	2	ND	6	27	1	2	3	20	.44	.07	17	21	.42	167	.03	5	1.82	.01	.19	2
C-1968	1	13	6	39	.1	32	10	849	3.20	22	2	ND	12	18	1	2	3	24	.22	.02	28	27	.58	179	.04	6	1.97	.01	.23	2
C-1969	1	18	7	70	.2	47	14	233	3.27	15	2	ND	13	32	1	4	4	21	.47	.01	32	29	.50	120	.08	6	3.83	.02	.13	2
C-1970	1	12	7	45	.1	40	11	412	3.32	10	4	ND	9	15	1	2	2	23	.18	.03	23	30	.62	184	.03	5	2.50	.01	.14	2
C-1971	1	9	8	43	.1	31	9	445	2.40	15	2	ND	7	13	1	2	3	20	.15	.05	15	20	.40	180	.05	4	2.31	.01	.15	2
C-1972	1	9	8	42	.1	18	7	565	2.18	11	2	ND	5	21	1	2	4	20	.32	.03	14	18	.43	187	.04	5	1.50	.02	.22	2
C-1973	1	15	24	38	.1	26	9	234	3.31	30	2	ND	9	11	1	2	2	21	.13	.01	22	20	.56	174	.04	4	1.71	.01	.22	2
C-1974	1	55	59	69	.3	42	16	602	4.14	63	2	ND	13	32	1	4	2	15	1.98	.04	23	22	.86	331	.01	4	1.47	.01	.18	2
C-1975	1	14	7	31	.1	24	8	193	3.10	19	2	ND	11	9	1	2	2	25	.08	.01	23	24	.62	68	.05	4	1.83	.01	.15	2
C-1976	1	16	19	78	.2	39	10	499	2.60	34	2	ND	8	25	1	2	2	20	.25	.10	12	16	.39	246	.08	4	2.95	.02	.11	2
C-1977	1	39	22	55	.1	36	13	332	2.98	21	2	ND	6	17	1	2	2	17	.23	.02	18	20	.67	104	.03	3	1.69	.01	.08	2
C-1978	1	33	15	60	.1	47	15	775	3.80	35	2	ND	11	36	1	2	2	24	.29	.03	18	30	.88	155	.06	5	2.50	.01	.30	2
C-1979	1	59	15	92	.1	92	31	454	5.40	17	2	ND	13	49	1	2	2	21	.23	.07	20	26	.69	81	.04	4	3.07	.02	.10	2
C-1980	1	46	15	78	.1	71	26	534	4.50	8	2	ND	16	45	1	2	2	21	.40	.06	24	30	.81	94	.04	4	2.69	.01	.16	2
C-1981	1	14	11	42	.2	29	9	248	2.60	31	2	ND	9	18	1	2	2	21	.19	.03	18	20	.48	185	.06	4	2.17	.01	.17	2
C-1982	1	52	13	96	.1	56	21	1278	4.65	67	2	ND	59	26	1	2	2	31	.24	.05	25	36	1.04	287	.06	5	3.12	.01	.22	2
C-1983	1	47	9	66	.2	151	20	381	4.83	71	4	ND	10	27	1	4	2	22	.24	.07	24	34	.77	99	.05	6	3.14	.01	.13	2
C-1984	1	20	13	77	.1	29	9	739	2.76	60	2	ND	8	21	1	2	14	16	.20	.09	14	17	.39	168	.03	5	1.54	.01	.11	2
C-1985	1	26	27	64	.3	38	14	925	2.83	15	2	ND	8	18	1	2	3	20	.13	.09	16	18	.40	290	.05	4	2.78	.02	.09	2
C-1986	1	49	23	65	.1	50	18	356	3.79	8	2	ND	10	48	1	2	3	30	.36	.03	20	35	.89	150	.07	5	2.65	.02	.19	2
C-1987	1	35	26	53	.1	36	13	183	2.92	11	2	ND	8	18	1	2	2	18	.15	.01	19	20	.64	110	.03	3	1.80	.01	.09	2
C-1988	1	28	14	70	.2	59	17	329	3.75	17	2	ND	13	36	1	2	2	25	.29	.02	22	28	.70	131	.05	5	2.74	.01	.14	2
C-1989	1	28	18	75	.1	47	15	220	3.12	23	4	ND	20	17	1	2	2	26	.16	.05	27	20	.56	96	.07	4	2.61	.01	.14	2
C-1990	1	10	13	73	.1	31	10	390	2.87	19	2	ND	14	23	1	2	2	19	.19	.09	19	17	.37	246	.05	6	1.73	.01	.15	2
C-1991	1	15	13	53	.1	23	9	531	2.19	20	2	ND	12	46	1	2	2	22	.37	.03	24	18	.44	165	.06	6	1.91	.02	.26	2
C-1992	1	21	20	92	.1	60	18	380	4.03	77	2	ND	10	34	1	2	2	31	.34	.02	21	24	.72	186	.06	5	3.02	.02	.21	2
C-1993	1	38	12	81	.1	52	19	645	4.50	103	2	ND	10	76	1	2	2	29	.79	.04	17	35	1.00	187	.07	5	3.02	.03	.32	2
C-1994	1	19	10	74	.1	23	9	248	2.24	22	2	ND	14	31	1	2	2	24	.24	.06	25	17	.51	135	.07	3	2.36	.02	.15	2
C-1995	1	14	16	47	.2	31	12	218	2.86	17	3	ND	6	26	1	2	2	24	.20	.02	11	17	.56	90	.07	4	2.45	.02	.17	2
C-1996	1	27	14	106	.2	47	16	500	3.43	18	3	ND	7	60	1	2	2	32	.41	.02	11	25	.86	123	.09	5	3.31	.04	.19	2
C-1997	1	27	18	44	.1	22	9	208	3.21	33	2	ND	14	16	1	2	2	22	.16	.03	32	15	.54	49	.05	4	1.56	.01	.15	2
C-1998	1	18	12	26	.1	14	7	146	2.38	21	2	ND	20	14	1	2	2	23	.23	.07	55	14	.40	29	.03	3	.96	.01	.11	3
C-1999	1	69	15	30	.1	45	12	285	3.51	22	2	ND	10	35	1	2	2	19	.15	.02	16	14	.44	160	.05	4	2.26	.01	.15	2
C-2000	1	94	8	16	.1	28	10	317	2.38	25	2	ND	7	182	1	2	2	8	9.22	.04	14	6	.30	67	.01	5	.64	.01	.09	2
STD A-1	1	30	39	182	.3	36	13	1041	2.86	10	2	ND	2	37	1	2	2	59	.61	.10	8	72	.71	276	.08	7	2.08	.02	.21	2

