GEOCHEMICAL REPORT

094697

OREO 1-46 CLAIMS

GRANT # YC30233-YC30278

NTS # 116 A \ 4

LAT: 64' 09' N

LONG: 137' 39' W

DAWSON MINING DISTRICT

AUTHOR OF REPORT SHAWN RYAN

WORK PERFORMED SEPTEMBER 2, 2004

DATE OF REPORT SEPTEMBER 28, 2005

Costs associated with this report have been approved in the amount of $ 6,200 for assessment credit under Certificate of Work No. 2000604

K. Leary

Mining Recorder
Dawson City Mining District

TABLE OF CONTENT

SUMMARY

The Oreo Claims project seen 4 man days of soil work collecting 89 soils. The soil work was successful in identifying a new gold target with values reaching up to 2400 ppb Au.

1.0 INTRODUCTION

The Oreo claims where staked to cover a potassium anomaly found next to the Ida-Oro claims. Assesement records indicate no previous work over the new potassium anomalies

2.0 LOCATIONS AND ACCESS

Oreo 1-46 claims are located 90 kilometers east north east of Dawson City on NTS sheet 116 A / 04. Access is via helicopter from Dawson City. The estimated helicopter time is 1.3 hours there and back.

3.0 PROPERTY DESCRIPTION

The Oreo 1-46 claims consist of 46 full Yukon quartz-mining claims. The claim block was staked in two separated blocks.

4.0 PHYSIOGRAPHY

The property is in glaciated, mountainous, alpine terrain of interconnected ridges with steep scree covered slopes. Intrusive rocks form imposing jagged peaks while metasediments form cliff-like outcroppings on north and east-facing slopes, and steep scree covered south and west-facing slopes (often dip slopes).

Elevation ranges from 900 meters at valley bottom to 1700 meters at the peak of Ida-Oro Tombstone Intrusive. Diamicton and outwash generally cover the valleys while in-situ weathered rock, poorly developed soils, and felsenmeer dominate the ridges. Rock outcrops are common along the ridges and as cliffs along the upper slopes of valleys, becoming rarer at lower elevations, especially in the larger valleys.

The climate is characterized by low precipitation and a wide temperature range. Winters are cold, and temperatures of -30°C to -40°C are common. Summers are moderately cool to hot, with daily highs of 10°C to 25°C. The property is generally snow free from early-June to the end of August.

5.0 REGIONAL AND PROPERTY GEOLOGY

ii) GEOLOGY (excerpt from Noranda 1989 assessment report 092794)

REGIONAL GEOLOGY

The Property lies within rocks of the Selwyn Basin. The basin is dominated by fine grained clastic rocks and chert of Proterozoic to Paleozoic in age. It includes the Road River Formation which occurs in the region of the Oreo property. This is a sequence of shales, black cherty argillites, cherts and chert-pebble conglomerates of Ordovician to Silurian in age. Cretaceous stocks and batholiths, mostly monzonite to granodiorite in composition, intrude Selwyn Basin strata in a number of localities.

PROPERTY GEOLOGY

The Oreo Property area is underlain by three units of Road River Formation, as describe in Noranda reports plus numerous east west trending Tombstone intrusive dikes.

6.0 WORK PERFORMED / METHODS

Soil Work

The soil survey was undertaken by four employees of Ryanwood Exploration they consist of Jim Skailes, Mike Lindley, Isaac Fage and Shawn Ryan.

Soil where taken at 100 meters intervals using one-meter soil augers or prospector picks.
Soil sample where taken at an average depth of 50-70 centimeters. All sample where placed in kraft soil bags. Exact position location where define using Garmin GPS. All GPS location where downloaded nightly into field computers.

Soil location where marked in the field with an orange flagging with sample number.

Sample where air dried in Dawson City and then sent to Acme Labs in Vancouver. Sample where processed at minus 80 mesh and analysis was 1DX-MS for 35 elements.

7.0 INTERPRETATIONS

The soil survey revealed extremely anomalous value in arsenic and antimony with a very nice gold anomaly association. Values reached highs of 2400 ppb in gold, 10,000 ppm plus in arsenic and 149 ppm in antimony.

8.0 RECOMMENDATION

I recommend a detail grid to cover the main Oreo claim block. Lines should be placed on 100 meter station spacing and soil station should be on 50 meter spacing.

9.0 REFERENCES CITED

Noranda Exploration Co. Ltd. (1989) Assessment Report on 1989 Field Activities on the Ida-Oro Claims # 092794.

10.0 COST

Wage four men for one day at $250.00 per day		$1,000.00
Helicopter Travel 1.5 hours drop off 1.6 hours pick up		
Total 3.1 hours at $1150.00		$3,565.00
Assay Cost 89 Soils at $16.20		$1,441.00
Report Writing		$500.00
	Total	$6,500.00

11.0 QUALIFICATION

I Shawn Ryan located in Dawson City, Yukon work as a professional prospector. I run a small exploration company located in Dawson city.

I have worked in the exploration business for the last 23 years. I worked the first 12 years as a contractor working on numerous projects in the NWT, Ontario, Quebec and the Yukon. I have worked for the last 9 years as a local prospector for myself.

I have being trained to run various geophysical instruments, surveys such as magnetic surveys, max-min surveys, induce polarity surveys, and VLF surveys.

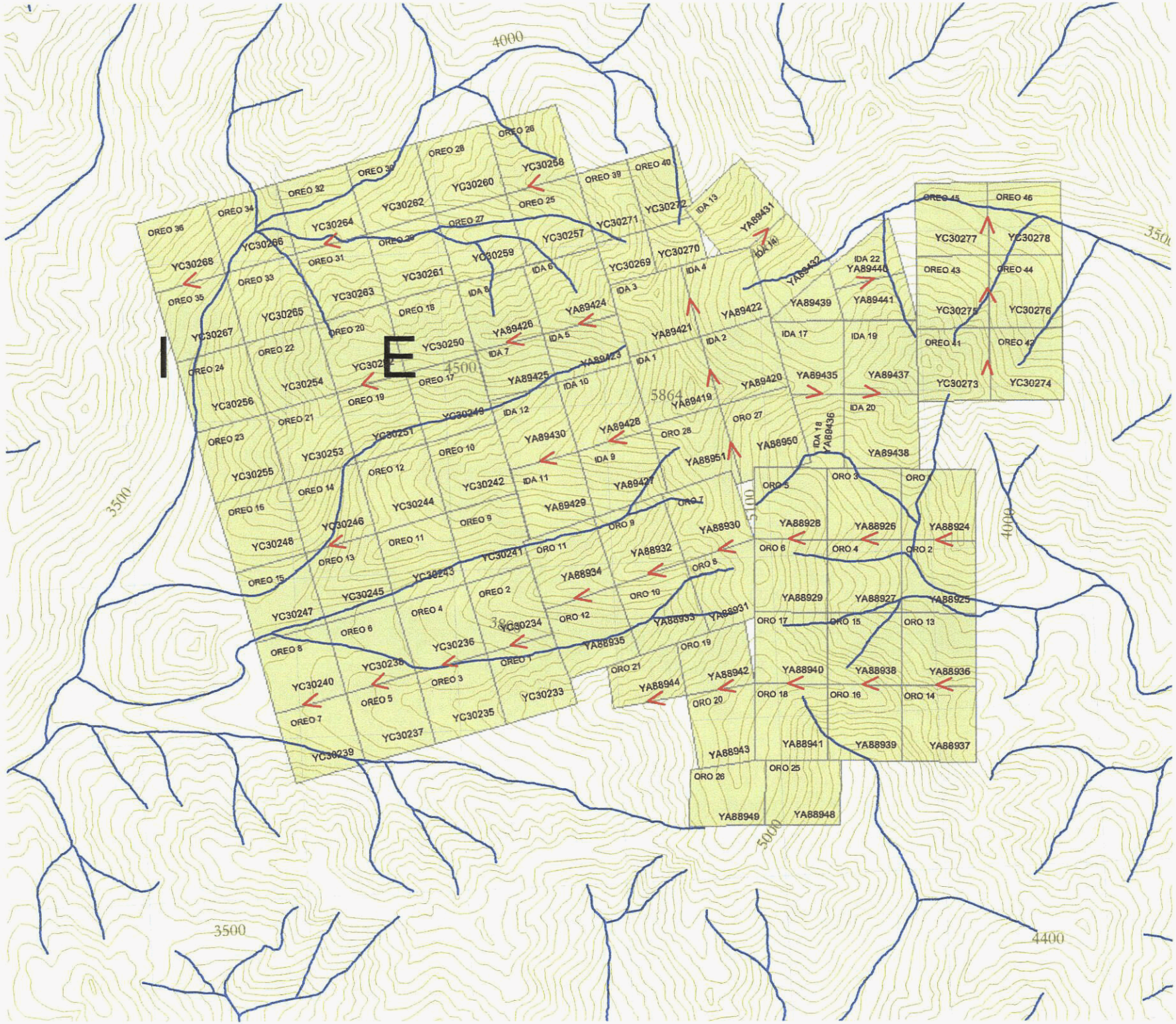
I have overseen the entire Oreo Project and was the party chief in charge.

I own 100 % of the Oreo claims.

Dated this 28 of September 2005 in Dawson City, Yukon.

Respectfully submitted

Shawn Ryan


NORTH
NTS
116 A/04

Sample ID	Datum	Easting	Northing	Date and Time	Elevation Meters
ORA-S01	NAD83-8W	370960	7116980	02-SEP-04 11:24	1196.3
ORA-S02	NAD83-8W	370864	7116954	02-SEP-04 11:37	1175
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ORA-S10	NAD83-8W	370275	7116468	02-SEP-04 12:57	1084.2
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ORA-S15	NAD83-8W	369976	7116092	02-SEP-04 14:01	1042.1
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ORF-S32	NAD83-8W	374976	7118076	02-SEP-04 17:18	1147.3
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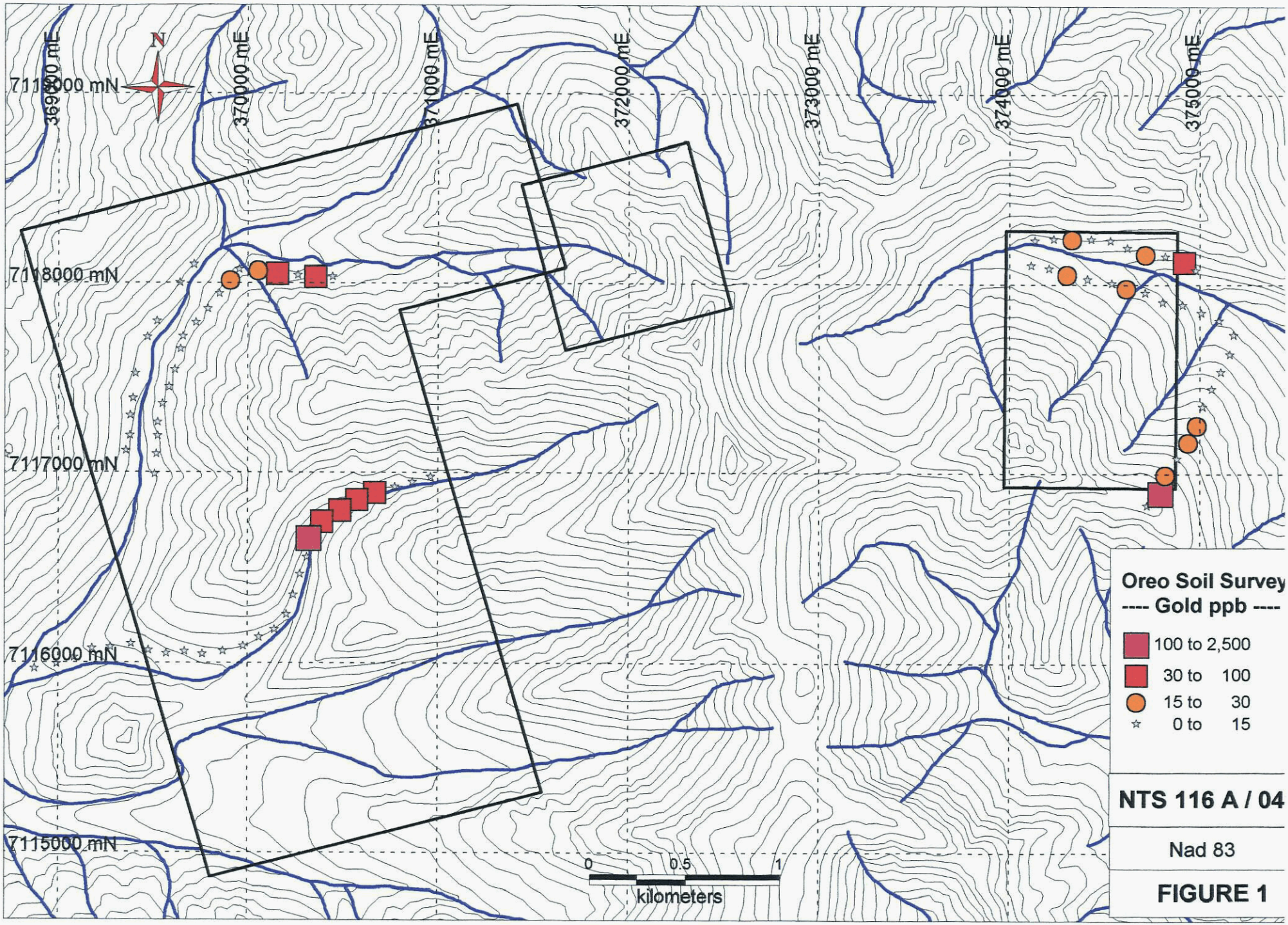
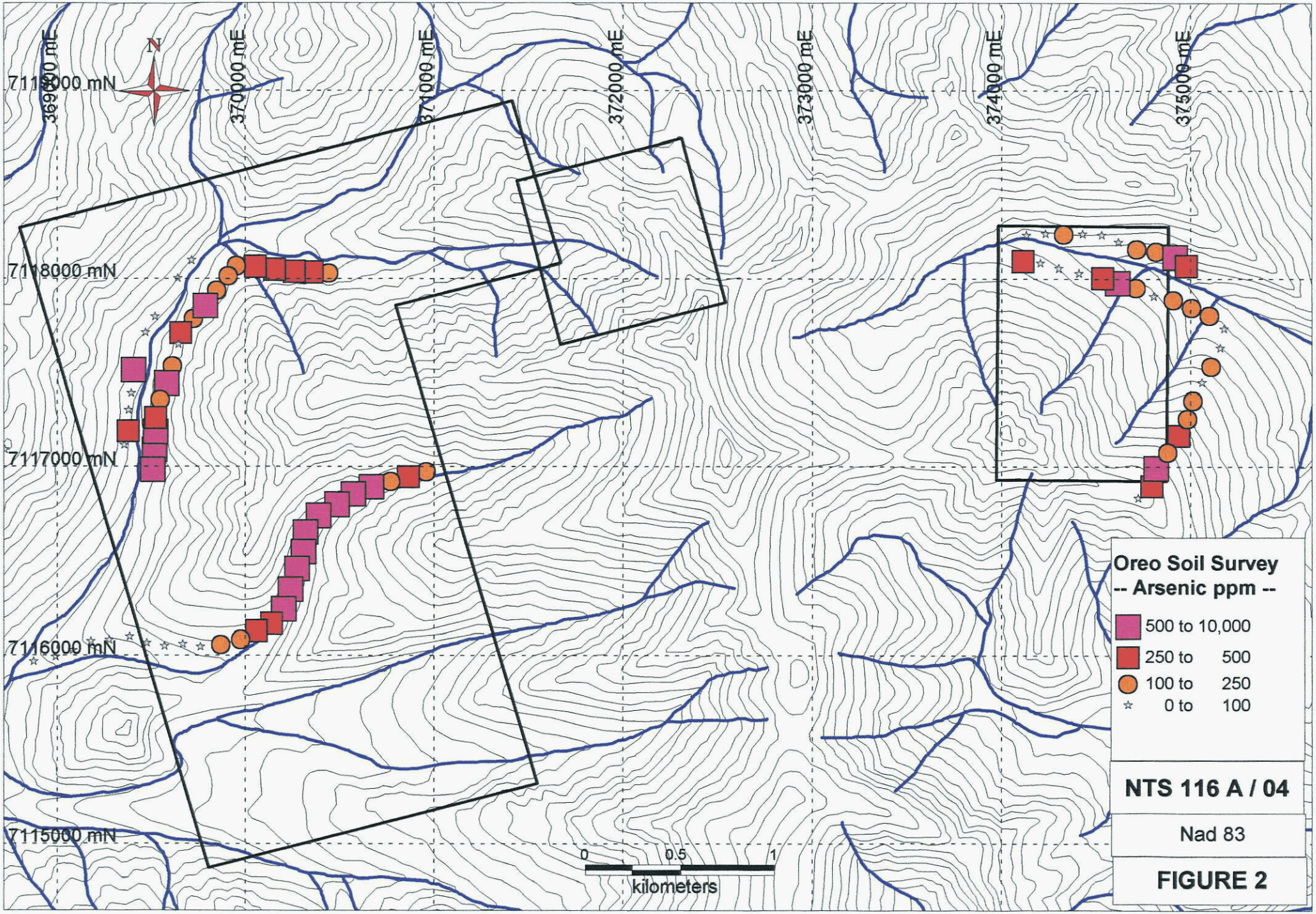

N
369000 mE
370000 mE
371000 mE
372000 mE
373000 mE
374000 mE
375000 mE
7119000 mN
7118000 mN
7117000 mN
7116000 mN
7115000 mN
0
0.5
1
kilometers
Oreo Soil Survey
---- Gold ppb ----
100 to 2,500
30 to 100
15 to 30
0 to 15
NTS 116 A / 04
Nad 83
FIGURE 1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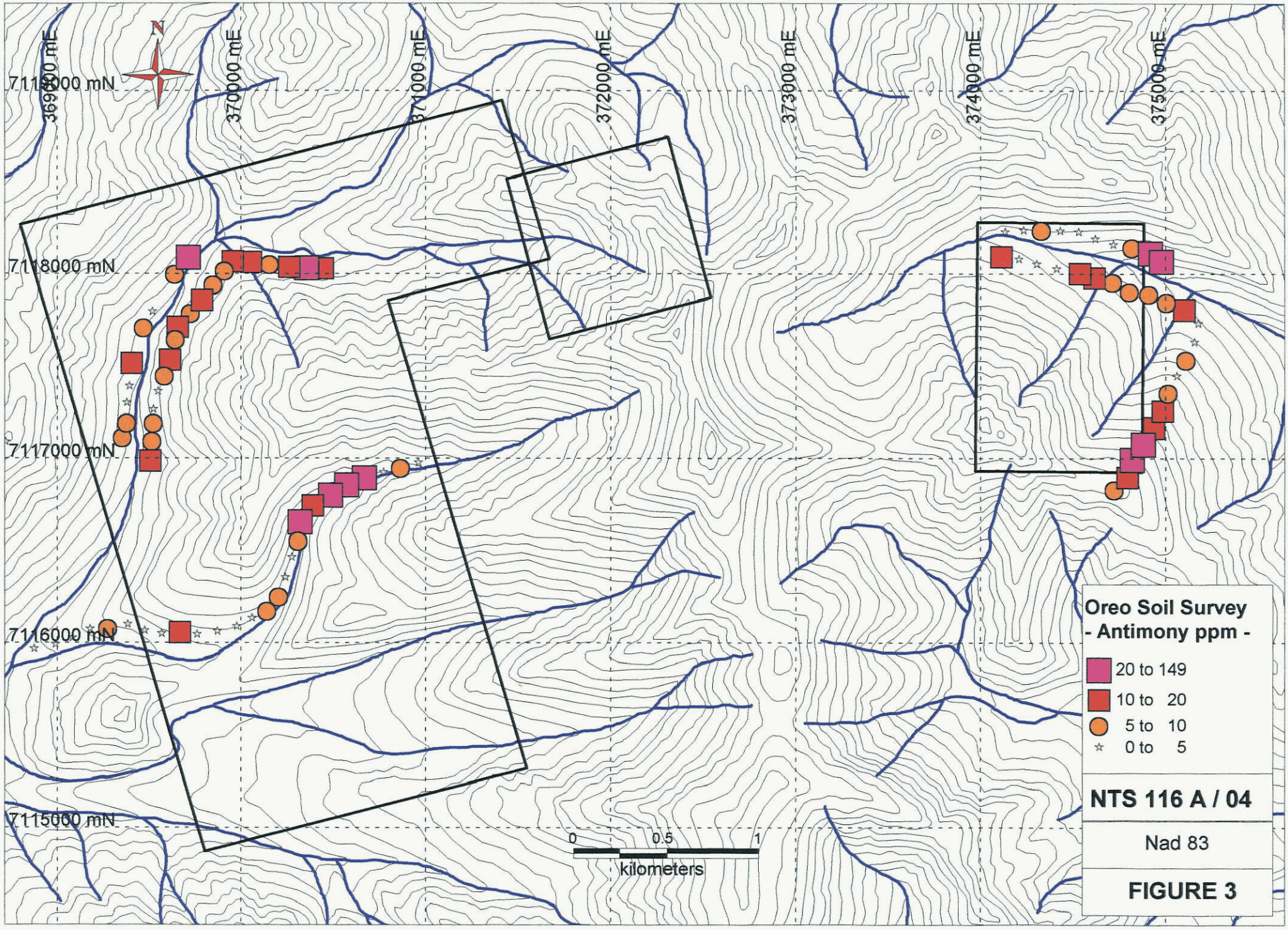
370000 mE
371000 mE
372000 mE
373000 mE
374000 mE
375000 mE
7119000 mN
7118000 mN
7117000 mN
7116000 mN
7115000 mN
N
0
0.5
1
kilometers
Oreo Soil Survey
-- Arsenic ppm --
500 to 10,000
250 to 500
100 to 250
0 to 100
NTS 116 A / 04
Nad 83
FIGURE 2


N
369000 mE
370000 mE
371000 mE
372000 mE
373000 mE
374000 mE
375000 mE
7119000 mN
7118000 mN
7117000 mN
7116000 mN
7115000 mN
0
0.5
1
kilometers
Oreo Soil Survey
- Antimony ppm -
20 to 149
10 to 20
5 to 10
0 to 5
NTS 116 A / 04
Nad 83
FIGURE 3

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Ryanwood Exploration Inc. File # A405763 Page 1

Box 213, Dawson City YT Y0B 1G0

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.2	2.6	1.9	44	<.1	4.2	4.6	532	1.87	.6	1.7	<.5	3.6	70	<.1	<.1	.1	43	.53	.081	7	11.9	.55	255	.134	1	.89	.067	.49	1.2	<.01	2.5	.3	<.05	4	<.5
ORA-S01	2.1	53.4	12.4	59	.2	22.4	7.6	214	2.36	231.0	1.6	3.4	1.5	23	.2	3.6	2.8	61	.15	.065	15	26.9	.42	156	.039	1	1.34	.008	.08	.6	.05	2.0	.2	.09	6	1.2
ORA-S02	2.7	59.6	13.1	56	.2	32.7	11.2	350	2.45	449.4	2.4	4.8	1.0	35	.3	5.0	3.9	64	.11	.066	15	25.5	.39	177	.033	1	1.38	.009	.08	.5	.04	1.7	.3	.11	6	1.5
ORA-S03	2.3	48.7	10.3	40	.3	19.5	6.8	209	2.15	178.2	1.4	4.3	1.3	17	.2	3.1	2.1	68	.13	.046	16	26.5	.40	172	.032	1	1.28	.007	.06	.6	.05	1.7	.3	.07	5	1.2
ORA-S04	11.1	637.8	69.4	239	.6	183.0	36.4	1565	10.40	9239.9	21.8	47.8	6.4	298	3.0	82.8	58.0	68	.84	.119	109	27.8	.49	203	.014	3	2.29	.014	.12	4.1	.10	8.4	.5	.06	6	5.4
ORA-S05	19.7	463.8	54.0	162	.7	179.8	50.8	1355	8.22	1616.6	16.5	32.4	5.1	74	.9	35.9	7.9	130	.27	.195	23	43.9	1.62	608	.055	<1	3.32	.021	.65	.4	.06	6.8	1.3	.41	10	14.8
ORA-S06	66.2	418.3	44.9	158	2.7	115.9	15.6	392	9.41	1012.0	18.5	40.5	7.1	47	.5	39.9	7.3	239	.19	.318	19	98.1	.97	290	.022	2	2.38	.018	.25	.7	.16	7.5	.8	.74	8	43.5
ORA-S07	7.9	177.4	32.3	115	1.0	69.0	31.1	982	4.37	3871.3	4.8	33.9	1.4	33	.5	12.4	56.2	112	.18	.096	16	41.7	.79	548	.044	1	1.93	.012	.17	2.2	.05	3.1	.4	.11	7	1.8
ORA-S08	3.3	289.0	177.8	101	1.5	97.0	41.6	702	9.21	>10000	7.9	2494.4	4.2	94	2.2	28.4	144.6	67	.62	.136	45	27.0	.76	296	.021	3	2.16	.017	.06	.4	.12	5.0	.4	<.05	6	7.5
ORA-S09	3.0	79.6	10.4	30	.3	19.0	5.0	117	3.32	562.1	1.2	14.4	1.5	19	.3	5.4	2.1	74	.06	.060	12	36.6	.32	166	.052	<1	1.48	.005	.08	.2	.06	2.1	.3	<.05	7	1.8
ORA-S10	1.2	57.2	9.7	54	.1	43.2	14.6	340	3.06	573.7	.9	10.4	3.5	23	.1	2.7	.8	59	.14	.047	15	53.4	.75	243	.064	1	1.62	.008	.09	.2	.03	2.7	.2	<.05	5	.8
ORA-S11	2.9	42.2	15.5	40	.6	23.4	5.3	174	2.59	744.8	1.6	10.7	2.1	30	.2	3.9	1.9	131	.41	.105	12	34.5	.84	202	.064	<1	1.53	.008	.08	.7	.04	2.8	.4	<.05	8	.6
ORA-S12	1.9	61.8	10.6	53	.2	32.0	13.0	254	3.11	1222.1	2.5	10.6	3.4	34	.2	5.9	.7	77	.28	.080	16	34.1	.83	210	.064	2	1.99	.009	.15	.3	.03	3.2	.4	<.05	6	1.0
ORA-S13	1.2	29.8	12.7	43	.4	19.6	7.2	187	2.31	328.5	.8	5.7	2.4	27	.1	5.0	.8	76	.38	.037	13	31.5	.78	180	.068	2	1.64	.009	.15	.4	.03	2.7	.3	<.05	8	.5
ORA-S14	1.0	34.4	10.4	53	.1	25.0	9.5	243	2.38	256.9	1.0	6.9	4.6	24	.2	3.6	.6	69	.26	.053	17	31.1	.93	210	.078	1	1.90	.011	.16	.2	.02	3.1	.3	<.05	6	.6
ORA-S15	.9	25.1	10.6	47	.2	22.1	7.9	182	2.19	155.6	.9	3.4	3.3	19	.1	3.8	.5	65	.23	.051	15	29.3	.77	174	.072	1	1.66	.009	.12	.2	.02	3.0	.3	<.05	5	.5
ORA-S16	.7	28.5	10.3	54	.1	26.9	9.7	257	2.34	197.9	.8	10.8	4.9	25	.1	4.5	.9	65	.26	.068	16	32.0	.99	209	.074	1	1.74	.010	.15	.2	.02	2.8	.3	<.05	6	.5
ORA-S17	2.4	41.6	10.8	85	.1	26.6	8.9	208	2.55	65.1	1.2	3.5	2.5	30	.4	4.2	.5	65	.26	.068	21	31.0	.99	299	.038	3	1.79	.009	.18	.1	.03	3.1	.3	<.05	6	1.1
ORA-S18	22.5	43.1	9.7	468	.2	53.7	10.9	429	2.16	39.7	2.9	3.3	3.8	30	1.8	14.9	.2	246	.22	.068	23	27.1	.49	333	.029	3	1.09	.006	.10	.2	.13	2.7	.7	<.05	4	4.1
ORA-S19	1.6	18.2	10.0	51	.2	16.4	5.7	205	2.34	65.6	.5	4.1	2.9	15	.2	1.7	.6	62	.17	.040	13	26.3	.43	130	.044	1	1.43	.006	.05	.2	.03	2.4	.2	<.05	6	<.5
ORA-S20	2.5	21.8	9.4	56	.3	18.1	6.2	187	2.19	76.5	.8	4.6	2.8	16	.3	2.2	.6	72	.14	.027	14	23.4	.34	203	.034	1	1.22	.005	.06	.2	.06	2.4	.2	<.05	5	.6
ORA-S21	2.7	24.9	12.1	77	.4	20.8	7.4	195	2.56	28.5	.7	5.4	3.1	16	.3	3.0	.3	70	.13	.029	16	24.6	.39	255	.025	1	1.34	.005	.10	.1	.03	2.4	.2	<.05	6	.6
RE ORA-S21	2.4	24.6	11.9	71	.4	21.2	7.3	194	2.54	28.1	.7	2.2	3.1	15	.3	2.9	.3	67	.13	.030	15	23.5	.35	242	.025	1	1.37	.005	.09	.1	.04	2.4	.1	<.05	6	.7
ORA-S22	3.0	48.8	26.8	80	.2	32.7	13.6	791	4.57	61.3	.8	2.1	3.5	19	.2	8.5	.4	69	.05	.049	14	31.7	.29	387	.030	2	1.53	.004	.09	.2	.04	3.0	.2	<.05	6	1.0
ORA-S23	1.0	20.4	7.0	49	.1	17.4	6.8	271	1.78	22.0	.7	8.5	2.5	17	.2	1.4	.2	41	.21	.058	14	21.3	.36	242	.041	2	1.03	.007	.05	.2	.05	2.4	.1	<.05	3	.5
ORA-S24	.8	14.5	8.0	49	<.1	16.5	6.2	204	1.95	13.8	.6	2.6	1.1	15	.2	.9	.2	39	.17	.058	13	20.0	.34	202	.030	2	1.13	.006	.04	.1	.03	1.9	.1	<.05	4	.5
ORA-S25	.7	10.1	5.9	28	<.1	9.0	3.7	142	1.32	15.0	.4	2.3	1.0	10	.1	.7	.1	34	.10	.034	12	16.1	.23	79	.032	1	.89	.005	.03	.2	.03	1.3	.1	<.05	3	<.5
ORA-S26	1.2	35.2	11.6	67	.2	22.9	7.6	263	2.00	70.2	.9	7.3	3.9	29	.3	3.5	.5	51	.32	.064	17	26.0	.55	292	.061	2	1.22	.014	.06	.2	.06	3.3	.2	<.05	4	.7
ORB-S1	6.0	83.6	22.0	183	.4	57.0	16.0	441	3.32	126.3	4.1	13.3	2.9	39	.6	10.0	1.7	149	.28	.109	18	45.4	1.26	198	.068	2	2.00	.019	.15	.4	.06	3.6	.3	.08	7	1.9
ORB-S2	6.6	121.5	18.0	179	.7	64.1	23.9	673	4.68	455.9	3.2	34.6	1.6	23	.8	25.6	2.8	118	.12	.097	16	41.6	.62	200	.040	2	1.63	.008	.10	.2	.09	4.0	.4	.06	6	2.3
ORB-S3	5.0	86.3	16.4	116	.3	53.4	26.3	906	3.81	294.0	2.2	10.5	2.2	40	1.1	15.7	1.0	112	.10	.151	16	39.1	.49	275	.039	1	1.53	.009	.14	.5	.12	2.7	.4	.12	6	1.8
ORB-S4	4.3	77.4	13.5	101	.4	67.6	13.0	532	2.94	279.3	3.6	69.5	3.7	76	.3	8.6	.8	243	1.35	.116	17	58.7	2.37	232	.071	3	2.43	.043	.16	.4	.08	4.9	.2	<.05	9	1.0
ORB-S5	2.9	62.0	22.6	88	.3	34.7	16.0	702	3.48	357.7	5.5	19.3	5.7	58	.4	11.5	4.1	73	.40	.115	23	37.0	.67	405	.040	1	1.91	.014	.11	.3	.12	4.8	.4	.09	7	1.3
ORB-S6	4.6	53.3	20.7	66	.3	46.4	12.6	410	3.38	210.7	3.3	7.3	3.7	32	.2	10.8	2.9	96	.10	.064	18	49.2	.97	264	.084	2	1.98	.015	.23	.2	.07	3.9	.6	.07	8	1.7
ORB-S7	2.5	66.3	20.2	60	.3	26.9	11.1	483	2.77	162.5	2.3	16.6	3.1	23	.5	8.1	.7	65	.15	.080	18	27.1	.48	347	.050	1	1.34	.007	.08	.3	.10	3.7	.4	<.05	5	1.0
STANDARD DS5	12.4	138.2	25.8	135	.3	24.2	11.8	726	2.85	18.4	6.0	41.4	2.9	47	5.7	3.8	6.3	61	.77	.093	12	176.5	.64	136	.097	17	2.00	.031	.13	4.9	.18	3.5	1.0	<.05	6	5.0

GROUP 1DX - 15.00 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___ DATE RECEIVED: SEP 21 2004 DATE REPORT MAILED: Oct. 18/04

BRITISH COLUMBIA CERTIFIED ASSAYER Clarence Leong

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
ORB-S8	2.0	38.9	20.0	64	.3	21.9	10.3	498	2.81	181.1	2.1	9.6	1.6	24	.5	6.1	1.3	68	.20	.093	20	33.4	.44	321	.046	3	1.35	.009	.10	.3	.09	2.7	.4	.08	6	1.4
ORB-S9	2.2	67.3	29.5	90	.2	37.8	16.6	673	3.68	505.2	3.3	11.4	4.3	22	.5	11.5	1.7	63	.16	.083	22	28.9	.42	207	.033	1	1.45	.008	.10	.3	.05	2.8	.3	.06	6	1.7
ORB-S10	2.2	40.6	12.4	34	.3	17.8	4.6	199	2.60	116.0	1.5	4.0	.6	12	.1	6.7	.7	95	.05	.110	16	28.9	.28	143	.039	1	1.06	.006	.12	.2	.08	1.5	.4	<.05	6	.9
ORB-S11	2.8	45.6	12.1	74	.2	26.3	10.1	350	3.08	412.4	2.5	6.0	1.5	60	.2	14.6	2.3	76	.18	.090	19	30.1	.67	369	.034	1	1.69	.008	.19	.2	.07	2.1	.5	<.05	7	1.3
ORB-S12	2.0	25.1	9.9	32	.1	11.9	6.2	253	2.93	95.5	.9	3.6	1.9	12	.2	8.1	.9	85	.06	.062	15	37.9	.29	223	.061	1	1.65	.006	.09	.2	.08	2.3	.4	<.05	7	1.3
ORB-S13	2.2	41.8	11.0	49	.2	17.3	7.8	358	2.92	212.2	2.0	6.9	3.5	40	.2	16.4	.8	94	.09	.059	21	29.5	.63	210	.088	2	1.43	.007	.29	.3	.04	2.7	.5	<.05	8	1.1
ORB-S14	3.1	167.1	28.1	70	1.3	33.2	13.2	384	2.70	811.5	5.5	12.0	1.2	61	.4	8.2	8.4	88	.69	.141	21	32.4	.57	363	.046	3	1.76	.012	.12	.4	.14	2.2	.4	.07	7	1.8
ORB-S15	4.2	25.9	15.3	41	1.0	16.3	4.3	200	2.84	176.7	1.5	2.4	1.5	9	.3	2.4	1.2	125	.06	.065	13	27.8	.18	171	.044	1	1.26	.005	.04	.2	.07	1.9	.3	<.05	8	1.5
ORB-S16	3.8	41.5	23.4	65	.4	39.0	9.0	466	3.12	420.1	2.5	4.7	5.0	35	.2	4.9	5.0	195	.37	.057	16	34.7	.73	279	.050	2	1.64	.010	.12	.6	.06	3.1	.4	<.05	7	.8
ORB-S17	3.8	211.6	19.9	112	.8	85.8	13.6	498	2.85	1394.1	13.8	9.6	2.2	66	1.0	8.9	8.6	81	.71	.104	24	33.2	.53	390	.038	2	1.55	.012	.11	.3	.11	3.1	.4	<.05	6	2.7
ORB-S18	12.3	140.9	15.2	99	.3	79.3	19.6	756	2.35	635.8	8.4	9.4	2.4	54	1.1	8.7	3.9	169	.91	.089	18	43.5	.69	244	.057	2	1.43	.019	.09	.3	.10	2.9	.6	<.05	6	2.5
ORB-S19	11.6	151.0	13.2	86	.3	42.5	15.9	499	3.98	578.2	3.4	5.5	3.2	30	1.3	12.7	6.4	95	.32	.101	16	35.4	.50	371	.045	2	1.13	.008	.11	.8	.08	2.5	.6	<.05	4	3.3
ORB-S21	2.0	15.6	23.1	65	.3	16.1	7.1	355	1.51	18.0	.9	3.7	2.5	21	.3	6.2	.5	44	.16	.036	15	24.3	.39	305	.026	2	.95	.006	.06	.2	.04	1.9	.2	<.05	4	1.5
ORB-S22	4.2	58.7	41.1	82	.8	22.1	16.6	1422	3.61	283.5	4.1	2.7	3.2	36	.5	9.4	3.5	73	.25	.084	25	33.2	.45	467	.029	2	1.62	.009	.12	.3	.05	3.0	.3	.07	7	.9
RE ORB-S22	4.2	55.5	41.0	79	.8	20.2	16.4	1305	3.39	279.9	4.0	2.2	3.0	37	.5	9.2	3.3	70	.23	.086	25	30.0	.45	466	.030	2	1.57	.009	.11	.2	.05	2.9	.2	.06	7	.9
ORB-S23	2.1	32.1	32.7	115	.9	21.8	7.7	456	1.81	25.2	2.8	4.3	.9	18	.9	4.0	.7	83	.18	.084	20	29.3	.39	182	.025	2	1.28	.007	.10	.2	.19	2.1	.4	<.05	5	1.7
ORB-S24	2.0	38.3	12.4	78	.5	22.9	5.4	170	2.24	45.9	1.6	3.9	1.7	21	.5	4.8	.5	74	.20	.089	18	29.7	.52	181	.036	2	1.31	.007	.08	.3	.07	2.4	.3	<.05	5	1.6
ORB-S25	4.6	103.2	23.0	98	.6	34.9	8.5	335	2.73	558.7	3.8	5.9	.7	25	1.5	12.3	1.8	84	.09	.117	21	39.1	.47	436	.014	1	1.23	.008	.18	.2	.06	1.7	.4	.09	5	2.0
ORB-S27	3.6	67.4	20.2	132	.4	37.8	8.4	403	2.44	35.0	2.2	5.5	3.5	39	.3	7.2	.9	133	.57	.081	17	54.2	1.44	206	.070	4	1.94	.013	.10	.3	.04	3.5	.3	<.05	8	1.4
ORB-S28	1.9	36.9	17.9	74	.2	23.2	7.9	476	2.04	22.3	1.8	4.3	3.0	34	.2	4.3	.2	61	.22	.077	19	28.7	.43	341	.039	3	1.10	.009	.07	.2	.07	3.1	.1	<.05	4	1.0
ORB-S30	3.2	42.7	33.5	113	.4	30.6	11.9	675	2.70	39.4	1.7	3.8	2.2	61	.5	8.6	.4	81	.34	.099	19	33.4	.49	342	.033	3	1.45	.008	.09	.2	.04	2.9	.2	<.05	5	1.4
ORB-S31	5.1	40.4	54.6	115	1.0	24.2	6.2	597	3.17	74.3	2.4	4.9	1.8	52	2.2	28.7	.4	100	.14	.090	16	32.2	.36	414	.021	1	1.27	.005	.07	.2	.06	2.0	.2	<.05	5	1.5
ORC-01	1.9	23.6	71.8	104	.2	20.8	13.5	748	2.76	14.8	1.1	1.8	2.7	28	.5	4.4	.3	61	.28	.082	19	31.7	.69	326	.047	2	1.77	.007	.08	.2	.03	3.3	.1	<.05	6	.6
ORC-02	9.9	119.2	13.5	193	.2	39.5	7.9	498	2.30	10.4	1.9	6.8	1.6	80	.6	7.1	.1	84	.87	.477	18	22.5	.19	325	.009	11	.84	.004	.26	.2	.05	2.3	.2	<.05	3	4.5
ORC-03	1.5	25.6	245.1	178	.7	23.0	15.2	1295	2.55	23.5	1.9	7.2	6.8	23	1.0	8.9	.4	42	.29	.081	25	30.1	.51	207	.025	2	1.27	.005	.06	.4	.06	3.5	.1	<.05	4	.7
ORC-04	3.6	69.8	64.5	210	1.0	32.1	9.2	472	2.29	20.5	2.2	6.9	1.5	39	1.5	20.3	.4	70	.76	.122	27	36.4	.80	308	.024	4	1.46	.008	.12	.3	.07	3.5	.2	<.05	5	1.5
ORC-05	3.4	53.5	91.3	185	.6	48.2	21.0	1013	3.93	113.0	9.9	5.2	5.6	48	1.1	28.9	.9	71	.44	.101	38	39.5	.64	341	.031	3	1.56	.010	.11	.3	.09	6.5	.2	<.05	6	1.3
ORC-06	1.1	24.2	36.5	105	.5	22.5	9.7	554	2.62	16.1	1.6	3.8	2.0	25	.3	4.3	.3	52	.29	.071	21	31.3	.58	305	.028	2	1.61	.007	.07	.2	.05	3.1	.1	<.05	5	.8
ORC-07	1.8	16.3	58.6	97	.3	17.6	5.4	414	2.82	25.5	1.2	2.8	1.0	11	.2	3.0	.5	55	.09	.054	14	25.0	.27	153	.032	3	.99	.006	.06	.2	.06	1.9	.2	<.05	4	.6
ORC-08	2.6	30.0	22.0	90	.3	28.1	10.9	594	3.01	13.4	1.9	1.8	1.8	52	.2	2.2	.2	58	.14	.066	22	30.0	.36	512	.029	32	1.13	.012	.15	.2	.05	2.8	.3	.22	4	1.4
ORC-09	3.1	18.1	58.2	95	.2	16.1	7.1	589	2.35	23.9	1.4	3.3	2.3	23	.7	4.4	.6	102	.12	.064	15	26.3	.27	169	.026	1	1.06	.006	.08	.2	.04	1.9	.2	.10	6	.8
ORC-10	6.0	49.7	41.5	73	3.2	23.8	1.8	51	1.41	18.9	4.9	8.1	.3	116	1.6	10.0	.3	189	.13	.122	20	59.9	.10	400	.012	4	.60	.004	.09	.1	.71	1.4	.8	.12	4	6.1
ORC-11	11.0	167.8	83.7	287	.4	82.4	25.3	2217	6.07	46.2	3.5	11.1	4.6	43	1.1	25.4	.4	97	.26	.131	39	35.0	.94	546	.007	4	1.83	.004	.16	.1	.09	5.8	.4	<.05	6	3.1
ORC-12	3.5	35.5	30.1	57	1.1	15.1	3.7	168	2.03	16.6	1.7	5.2	.4	45	.4	2.9	.3	67	.11	.131	17	26.5	.28	394	.009	3	1.05	.005	.11	.1	.17	1.2	.3	.14	4	2.1
STANDARD DS5	13.2	136.2	25.9	138	.2	25.0	11.7	752	3.00	17.8	6.4	41.4	3.0	46	5.5	3.8	6.0	63	.72	.088	13	181.5	.68	135	.099	19	1.94	.033	.14	4.8	.18	3.6	1.1	<.05	6	5.2

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
ORE-S20	.4	17.6	10.4	47	.1	17.7	9.3	367	2.03	2.9	1.2	1.6	3.4	61	.2	.3	.1	26	1.23	.041	23	22.4	.61	362	.010	2	1.44	.007	.05	.1	.07	3.5	.1	.10	4	.6
ORE-S21	.3	16.0	17.7	57	.1	20.1	9.4	260	2.39	2.9	.7	<.5	3.3	86	.1	.8	.1	13	2.48	.089	24	17.3	.63	271	.002	3	1.05	.004	.08	<.1	.06	3.6	.1	.12	3	.5
ORE-S22	1.1	34.0	14.4	85	.3	23.2	9.2	334	2.57	9.2	1.5	4.7	3.3	59	.4	2.6	.3	37	1.81	.082	23	24.5	.69	281	.017	4	1.21	.008	.10	.1	.20	4.2	.3	.12	4	.8
ORE-S26	2.2	28.8	14.6	106	.1	14.1	5.4	234	2.45	14.0	2.0	1.9	1.9	8	.6	1.6	.3	92	.07	.032	15	26.6	.28	155	.041	<1	1.51	.004	.04	.1	.04	1.9	.2	<.05	6	<.5
ORF-S01	1.4	28.8	15.8	67	.1	17.7	10.1	664	2.61	43.7	2.0	2.9	6.3	24	.3	6.4	1.1	42	.23	.088	21	20.3	.49	205	.056	2	1.62	.007	.06	.4	.04	2.7	.3	<.05	5	<.5
ORF-S02	1.3	44.4	29.1	96	.2	15.1	13.9	740	4.25	257.1	5.3	100.9	12.8	42	.4	19.1	4.6	54	.53	.165	40	16.8	.84	851	.095	<1	2.94	.009	.34	.4	.02	5.5	.6	<.05	8	<.5
ORF-S03	2.3	213.3	664.0	192	2.8	19.6	12.8	461	4.38	667.3	16.2	19.5	16.4	74	2.4	148.6	18.7	53	.32	.098	43	23.1	.60	489	.063	2	2.18	.021	.24	.6	.73	5.9	1.3	.21	7	2.0
ORF-S04	1.6	97.0	62.4	134	.6	13.3	13.5	985	3.71	245.3	7.3	11.4	16.1	134	.7	26.7	14.2	52	.62	.114	42	20.9	.92	656	.090	2	3.09	.019	.31	.4	.31	5.2	.9	.14	8	1.0
ORF-S05	1.5	68.2	42.1	127	.3	16.4	12.4	807	3.38	329.0	4.8	22.7	8.1	80	.6	17.6	6.6	53	.40	.086	28	22.3	.78	520	.080	3	2.84	.016	.19	.4	.10	3.9	.5	.10	8	<.5
ORF-S06	4.6	94.1	35.2	147	.4	23.4	7.9	411	2.90	125.2	4.2	16.4	4.3	27	.6	17.0	3.9	134	.38	.176	22	37.3	.63	280	.062	1	1.58	.007	.15	.4	.25	4.0	.5	<.05	5	1.4
ORF-S07	1.9	35.5	26.1	52	.5	10.2	3.9	222	2.76	132.7	1.1	14.9	.4	9	.6	8.9	3.2	61	.05	.076	10	26.8	.19	64	.037	1	1.03	.005	.04	.4	.12	1.3	.3	.09	6	1.0
ORF-S08	1.3	12.4	13.7	31	.1	8.1	3.4	147	2.55	20.1	.6	6.8	.8	8	.1	1.7	.8	67	.06	.039	12	21.7	.20	62	.047	<1	1.22	.005	.03	.2	.06	1.5	.2	.06	8	.5
ORF-S09	1.3	38.5	23.5	79	.2	21.3	8.7	307	2.42	135.3	2.2	12.5	6.1	18	.4	9.5	3.1	50	.17	.077	18	22.9	.42	163	.062	2	1.74	.008	.08	1.1	.06	2.9	.3	<.05	5	.9
ORF-S10	1.2	19.9	11.5	60	.1	17.5	7.9	312	2.47	50.1	1.6	2.5	2.9	12	.2	2.0	.4	50	.14	.064	17	26.1	.43	117	.049	2	1.62	.006	.05	.4	.04	2.6	.2	<.05	5	.5
ORF-S11	1.3	20.4	18.3	48	.1	13.6	6.3	213	2.41	79.2	1.2	3.8	1.9	12	.2	4.3	.7	54	.13	.064	14	23.8	.38	94	.041	<1	1.59	.006	.04	.5	.07	1.8	.2	<.05	6	.9
RE ORF-S11	1.3	19.5	18.3	46	.1	13.7	6.0	206	2.23	75.4	1.2	12.9	1.7	12	.1	4.4	.8	57	.12	.060	14	25.1	.37	90	.044	2	1.64	.006	.04	.5	.06	1.8	.2	<.05	5	.8
ORF-S12	1.7	35.1	35.6	67	.4	14.4	6.9	257	2.38	195.9	3.6	7.0	3.4	28	.3	14.6	1.4	49	.43	.090	24	23.8	.48	271	.045	1	1.95	.011	.07	.7	.08	2.3	.2	.09	6	.6
ORF-S13	2.2	23.1	23.5	41	.1	10.6	5.0	177	2.34	140.1	1.5	8.1	4.0	10	.1	8.9	.8	62	.07	.045	14	22.5	.27	66	.061	2	1.45	.006	.05	.9	.04	1.7	.2	<.05	8	.7
ORF-S14	1.1	33.8	23.7	62	.2	16.4	8.8	304	2.21	111.7	2.6	6.1	5.7	15	.4	9.1	.5	42	.17	.075	20	22.0	.38	100	.046	<1	1.53	.006	.05	1.0	.07	2.3	.1	<.05	4	.6
ORF-S15	1.3	34.5	15.9	71	.1	22.3	9.7	398	2.43	83.6	2.5	13.7	8.2	22	.2	5.9	.6	53	.28	.096	21	26.2	.47	152	.067	1	1.29	.011	.07	1.1	.06	2.7	.2	<.05	4	.9
ORF-S16	2.0	33.0	21.5	64	.2	18.5	6.7	224	2.41	136.2	2.6	9.6	1.6	20	.4	8.8	1.2	58	.12	.063	16	24.2	.40	146	.046	3	1.36	.008	.07	.4	.04	1.6	.2	.08	5	1.0
ORF-S17	1.3	33.5	33.6	83	.3	23.2	12.1	533	2.70	558.1	5.6	22.4	9.4	23	.5	15.7	1.6	54	.27	.093	26	28.2	.49	215	.066	4	1.75	.012	.08	1.1	.15	3.3	.2	<.05	5	1.0
ORF-S18	1.1	32.7	27.6	71	.2	18.9	10.7	396	2.39	271.4	3.3	13.5	8.7	20	.4	11.6	.8	49	.25	.090	20	23.6	.44	136	.066	2	1.30	.010	.06	1.0	.07	2.5	.2	<.05	4	.8
ORF-S19	1.9	16.5	17.1	32	.1	8.6	3.3	130	2.01	44.7	1.9	3.4	1.5	9	.1	2.7	.4	69	.05	.056	10	19.5	.22	78	.090	2	1.09	.009	.06	.4	.07	1.4	.2	.10	11	.9
ORF-S20	1.1	25.9	10.6	58	.1	22.9	11.0	404	2.52	48.0	1.3	18.7	5.4	16	.4	1.9	.3	50	.21	.081	17	27.6	.45	109	.057	<1	1.60	.008	.06	.5	.05	2.6	.2	<.05	4	.9
ORF-S21	1.3	17.1	11.1	63	.1	16.7	10.1	398	2.74	35.9	1.1	3.9	2.6	13	.3	1.0	.3	54	.12	.054	14	29.9	.46	125	.052	1	2.12	.007	.05	1.1	.03	2.9	.2	<.05	6	1.0
ORF-S22	1.8	47.0	25.3	93	.3	26.1	16.8	735	3.28	424.3	4.7	10.1	3.0	45	.3	11.9	2.0	65	.16	.082	21	34.0	.61	233	.049	1	2.34	.010	.06	.3	.13	2.9	.3	.07	7	.8
ORF-S23	1.9	40.1	35.5	86	.4	20.0	7.9	420	2.46	33.2	1.1	5.7	.2	20	.8	4.3	.6	54	.16	.086	12	23.9	.35	163	.022	3	.95	.006	.10	.2	.05	.8	.2	.10	4	.9
ORF-S24	1.5	17.9	15.3	48	.2	11.6	6.1	309	2.27	28.0	.9	3.4	.2	9	.4	2.2	.4	53	.07	.054	11	24.9	.34	98	.023	1	1.48	.005	.04	.1	.05	1.0	.2	<.05	6	.7
ORF-S25	1.4	46.4	49.0	68	.5	18.5	11.0	487	2.52	159.5	2.0	22.9	2.3	20	.5	6.1	1.8	51	.14	.060	14	26.9	.44	167	.067	3	1.47	.008	.08	.6	.21	1.9	.3	<.05	5	.7
ORF-S26	1.9	18.2	23.8	56	.3	12.6	9.3	840	2.58	61.6	1.1	5.4	.5	15	.5	2.5	.6	62	.11	.062	12	27.0	.34	217	.039	<1	1.28	.005	.08	.2	.05	1.4	.2	.07	7	.7
ORF-S27	1.5	18.2	20.3	57	.2	11.6	9.3	583	2.49	72.6	1.0	4.6	.5	13	.3	3.1	.6	48	.09	.055	12	24.6	.37	229	.037	1	1.42	.006	.06	.2	.06	1.5	.2	.09	6	.6
ORF-S28	1.7	17.0	33.6	65	.4	11.4	7.6	413	3.10	72.6	.6	5.5	2.7	17	.4	4.5	1.3	67	.11	.031	12	28.9	.44	195	.099	2	1.31	.006	.10	.4	.03	2.0	.2	.06	8	.5
ORF-S29	1.1	35.4	25.2	87	.5	13.2	8.3	625	2.53	146.9	1.3	26.8	1.8	17	.6	4.3	2.9	46	.14	.097	15	27.4	.45	107	.066	3	1.96	.008	.09	.9	.05	1.8	.2	.11	7	.6
STANDARD DS5	12.8	144.8	24.6	138	.3	25.0	11.9	801	3.08	18.7	6.3	43.6	2.9	48	5.7	4.0	6.0	63	.76	.099	13	191.1	.68	139	.104	18	2.13	.035	.15	4.9	.17	3.6	1.2	<.05	6	5.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data / FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
ORF-S30	1.9	42.2	42.4	80	.4	12.7	9.1	388	3.10	196.5	7.3	7.5	5.9	40	.3	7.7	2.4	68	.26	.071	22	31.5	.57	165	.121	2	2.07	.026	.13	.8	.08	3.2	.5	.08	7	.9
ORF-S31	2.0	125.9	88.2	83	7.0	10.3	9.8	357	4.15	749.8	7.8	65.2	8.2	48	.4	63.4	93.4	57	.17	.074	35	26.0	.65	208	.073	3	2.35	.014	.08	14.3	.30	4.7	.7	.08	7	1.3
ORF-S32	1.7	53.9	111.2	75	1.8	9.3	6.7	281	4.38	280.5	4.2	7.1	7.2	42	.2	31.8	5.8	71	.17	.097	28	24.7	.58	191	.060	2	2.67	.009	.07	.7	.24	4.6	.7	.14	7	1.0
STANDARD	12.5	142.2	25.4	136	.3	24.3	11.8	782	3.03	18.0	6.2	41.9	2.7	46	5.4	3.6	6.0	62	.73	.094	13	190.2	.65	140	.101	16	1.94	.034	.14	5.0	.18	3.4	1.0<.05		7	5.1

Standard is STANDARD DS5.

Data A FA ___