REPORT ON THE

LIN, MEL, DON AND BREN CLAIM GROUPS

FOR

YUKON YELLOW METAL EXPLORATION LTD.

NTS 105 - B

by

LARRY W. CARLYLE, F.G.A.C., P. Geol.

Whitehorse, Yukon January 10, 1989

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INTRODUCTION

Yukon Yellow Metal Exploration Ltd. performed helicopter supported rock blasting and sampling on its Lin, Mel, Don and Bren Claim groups at various times from October 2, 1988 to December 2, 1988. Aerial photograph and satellite photograph review have also been done on the property. The claims have had sufficient assessment work filed to hold them for a minimum of one year.

PROPERTY LOCATION AND ACCESS

The Yukon Yellow Metal Exploration Ltd. claims are in the Shootamook Creek area of the Wolf Lake Map Sheet (NTS 105 - B). Shootamook Creek is a tributary of Scurvy Creek approximately 55 miles (92 Km.) north of Rancheria Lodge situated at Mile 710 (Km 1143) of the Alaska Highway (See Location Map). Access is presently by helicopter from Rancheria. Road access exists to the Fairfield Mt. Logan Property approximately 27 miles (45 Km.) south of the Yukon Yellow Metal Property.

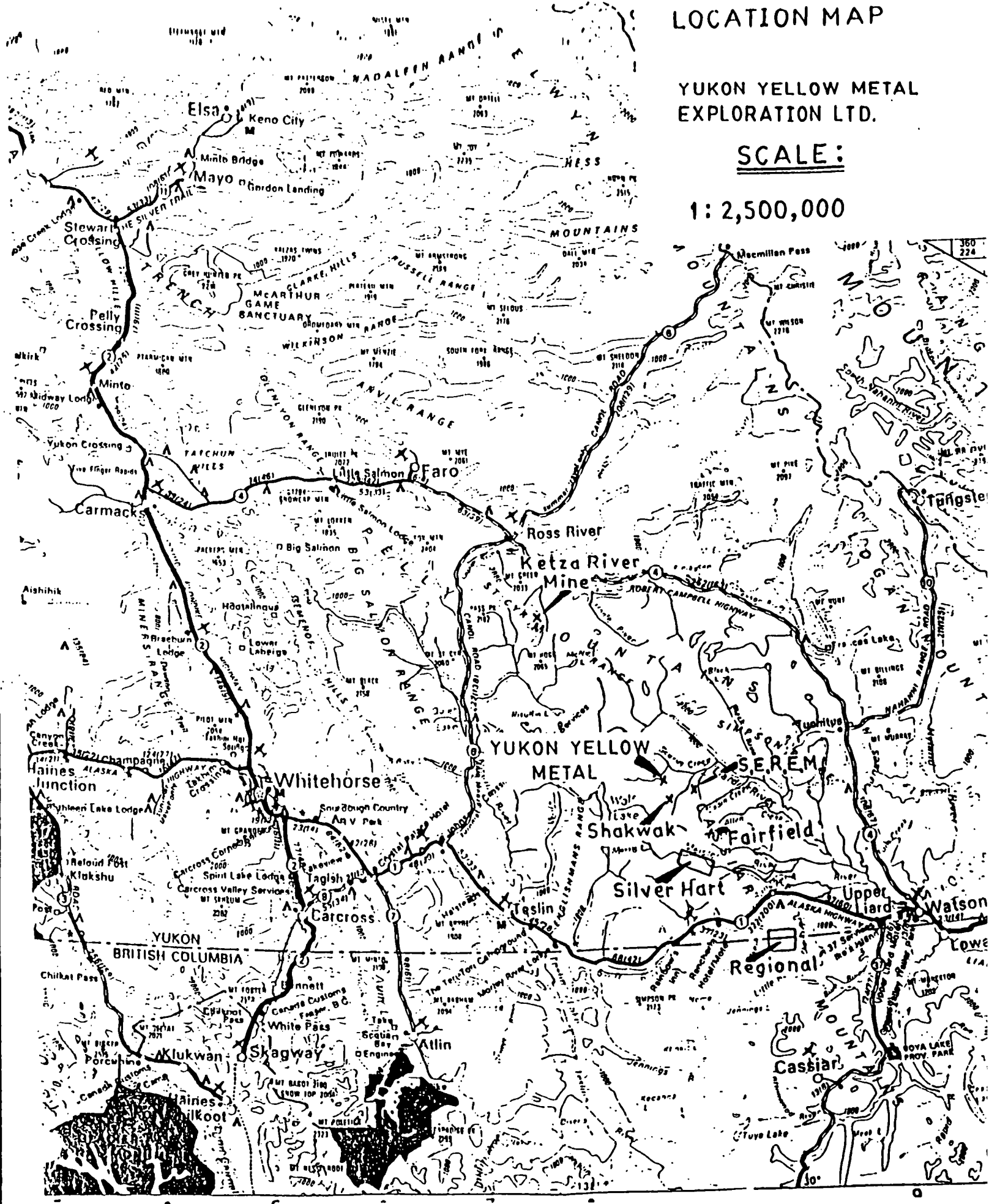
The Lin, Mel, Don and Bren Claim groups cover areas from about 3000 to 5000 feet (1112 to 1524 metres) above sea level. The claims are on rounded, moderately to steeply sloping hills and valleys. Most of the property is covered with a thick cover of black spruce, pine, willow, low bush, moss and lichens. Bedrock exposures are largely confined to stream cuts and a few steep bluff faces.

LOCATION MAP

YUKON YELLOW METAL EXPLORATION LTD.

SCALE:

1: 2,500,000



CLAIM INFORMATION (See Claim Map)

Claim Names	Grant Numbers	Owner	Expiry Date
Lin 1 - 48	YB 10974-YB 11021	Mel Holloway	January 4, 1990
Mel 1 - 48	YB 10830-YB 10877	Mel Holloway	January 4, 1990
Don 1 - 48	YB 10782-YB 10829	Mel Holloway	January 4, 1990
Bren 1 - 16	YB 10718-YB 10733	Mel Holloway	January 4, 1990

HISTORY

The Lin, Mel, Don and Bren Claim groups were staked in late December, 1987 and recorded with the Watson Lake Mining Recorder on January 4, 1988. These claims were staked at the same time as the Hugh, Bud, Ron, Sam and Sid Claim groups now joined with the original Matt-Mathew Claim group in an option agreement with Orpex Minerals Inc. (See Claim Map). All of these claim groups were staked on what Mr.Holloway believes is the continuation of the Winnie Showing located on the Matt-Mathew Claim group.

REGIONAL GEOLOGY

The Yukon Yellow Metal Property lies on the northern edge of the Jurassic and/or Cretaceous Cassiar Batholith intrusive complex and is underlain by limestones, schists, phyllites and quartzites mapped as Lower Cambrian age by Poole, Roddick and Green in 1960. On the adjoining Irvine Lake Map Sheet (Open File 1988-1), these sediments have been mapped as Hadrynian by D. Murphy. Several small plugs of the intrusive have been mapped by Poole, Roddick and Green in the claim area. The gneiss located on the Bren Claims may be an indication of these intrusives. Hydrothermal alteration located in mineralized areas may be due to their

YUKON
YELLOW METAL EXPLORATION LTD.
CLAIM MAP

NTS MAPS 105 B-10,11,14 & 15
SCALE: ½ Mile per inch

SCALE REDUCED TO
63.8% ORIGINAL

SCURVY CREEK FAULT ?

SATELLITE LINEATION

CLAIMS INCLUDE

LIN GROUP
MEL GROUP
DON GROUP
BREN GROUP

proximity to the intrusives.

PROPERTY GEOLOGY AND MINERALIZATION

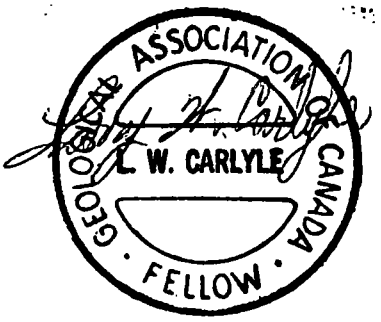
Rock blasting was done by Yukon Yellow Metal at two times: in early October and in late November. The October blast sites were located on a claim map as they were performed and have been transferred to the Rock Blast Locations Map as circles. November rock blast locations were also sampled. These sites are designated by a letter representing the claim block and a number representing the sequence.

During the November work, 1.5 to 2 feet of snow covered most of the property. The most common locations of outcrop were on rock bluffs in creek cuts and on wind swept ridges. Where possible, areas having significant iron staining and silicification were chosen for blast sites. Large quantities of dynamite were placed in holes and crevices at the base of the bluffs to create as large an area of fresh rock as possible for sampling. Sites were placed on a 1 : 50,000 scale topographic map as they were completed. From this map, they were transferred to the Rock Blast Locations Map. Samples obtained during this work have been described by the writer (See Sample Description Table) and have been analysed for 31 elements by ICP methods and for gold by rock geochemical analysis (See Appendix A).

Mineralization in the area of the Yukon Yellow Metal claims appears to be closely associated with fault zones. Preliminary review of air photographs has revealed lineations striking chiefly in a northwest direction parallel to the Tintina Fault which is

SAMPLE DESCRIPTION TABLE

Sample #	Description	Au ppb	Ag PPM	As PPM
L - 1	Blocky light brown limonite stained quartzite cut by strong white bull quartz up to 2 inches wide. Quartz weakly vuggy. Trace oxidized pyrite crystals. Trace pyrolusite. Trace sericite ?	10	0.1	38
M - 1	Blocky sugary limestone. Light grey to light brown depending on quantity of limonite. Cut by grey quartz stringers most at 1/8 inch wide. Trace sericite and oxidized pyrite crystals. Trace pyrolusite ?	4	0.2	22
D - 1	Blocky light brown limonite stained fine grained limestone. Minor white to grey quartz stringers up to 1/4 inch. Trace oxidized pyrite crystals.	4	0.1	6
BR - 1	Gneiss. Lineated quartz, biotite and sericite (?). Trace hornblende ? Minor brown and red-brown limonite staining. Minor HCl reaction to calcite in fractures.	2	0.1	2



YUKON
YELLOW METAL EXPLORATION LTD.
ROCK BLAST LOCATIONS

NTS MAPS 105 B-10,11,14 & 15

SCALE: ½ Mile per inch

SCALE REDUCED TO 63.8 % ORIGINAL

LOCATIONS

× M-1 NOVEMBER/88

○ OCTOBER/88

followed by the Liard River approximately 16 miles northeast of the property. The upper section of Scurvy Creek has this orientation (See Claim Map). Its proximity to the Lin and Mel Claim groups may account, in part, for the significant silicification in the sample taken from the Lin Claim group. This sample also returned the highest arsenic and gold values of the samples taken from the property (See Sample Description Table).

A recent review of the satellite photograph covering the property area shows a strong lineation which suggests to the writer that Shootamook Creek at some point in its history ran through Stoneaxe Lake (See Claim Map). The topographic relief south of this line is much greater than that north of it. Proximity to this lineation will necessitate further exploration of the Don Claim group.

Another lineation east of the Bren Claims striking northeast is also marked on the Claim Map. The importance of this lineation to mineral deposition in the area is not yet known. Intrusives may account for the change in topographic relief as well as the sharp change in the course of Shootamook Creek northwest of the Bren Claims. The presence of intrusives is supported since Sample BR - 1 from the Bren Claims is a gneiss. Further work on the Bren Claims is warranted.

CONCLUSIONS

1. The proximity of the Lin, Mel, Don and Bren Claim groups to the promising Winnie Showing on the Matt-Mathew Claim group make the locating of similar hydrothermal vein-fault systems on them very possible.

2. Mineralization on the Yukon Yellow Metal Exploration Ltd. Property is expected to be closely associated with fault zones. The presence of strong unexplored lineations visible on aerial and satellite photographs as well as significant arsenic, gold and antimony values in the stream sediment samples from Open File 1289 on the property indicate more work is needed.

3. The presence of gneissic rocks on the Bren Claim group and the strong lineations near it indicate that the best potential for locating new mineral deposits on the Yukon Yellow Metal Property is here.

4. The silicification seen on the Lin Claim group as well as the significant gold and arsenic values of the sample from this group suggest a good potential also exists here.

RECOMMENDATIONS

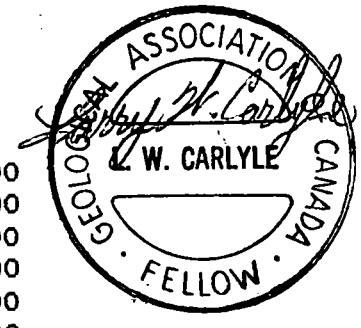
1. The 1989 Work Program and Budget should consist of stream sediment and rock sampling and assaying. The confluences of all major creeks on the property should be stream sediment sampled to confirm the gold, silver, arsenic and antimony values available in Open File 1289. Sample areas missed during the preparation of Open File 1289 should be located and sampled.

2. Gossaned and silicified outcrops located on the property should be sampled and analysed for the elements listed above.

3. Areas of interest should receive follow-up soil sampling, VLF-EM surveys and rock blasting.

PROPOSED 1989 WORK PROGRAM AND BUDGET

Helicopter	$ 8,000.00
Wages and Benefits	$ 2,800.00
Food and Lodgings	$ 1,800.00
Analyses	$ 1,500.00
Fuel	$ 1,500.00
Report Writing	$ 1,200.00
Contingencies	$ 3,360.00
Total	$ 20,160.00



REFERENCES

1. Carlyle, L.W. (1988) "Report on the Matt-Mathew and Hugh Creek Claims, Watson Lake Mining District, Yukon". Private report for Orpex Minerals Inc.

2. Carlyle, L.W. (1988) "Addendum - Report on the Matt-Mathew and Hugh Creek Claims, Watson Lake Mining District, Yukon". Private report for Orpex Minerals Inc.

3. Murphy, D.C. (1988) "Geological Map of Irvine Lake Map Area" (105 B-14); Open File 1988-1, Canaada Yukon E.D.A.

4. Poole, W.H., Roddick, J.A. and Green, L.H. (1960) "Geology of Wolf Lake - NTS 105-B, Yukon Territory; Geological Survey of Canada, Map 10-1960"

STATEMENT OF QUALIFICATIONS

I, LARRY W. CARLYLE, do certify:

1. That I am a professional geologist operating a business registered as CARLYLE GEOLOGICAL SERVICES LTD. with an office at 74 Tamarack Drive, Whitehorse, Yukon Y1A 4Y6.

2. That I hold a B. Sc. degree in geology from the University of British Columbia (1970).

3. That I am a Fellow of the Geological Association of Canada (F - 4355).

4. That I am a Registered Professional Geologist in the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta (41097).

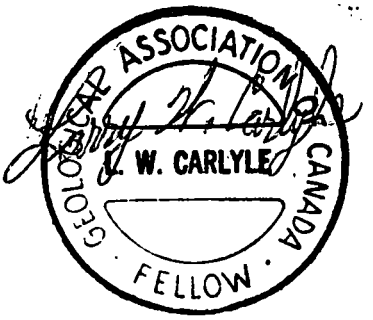
5. That I am a Member of the Canadian Institute of Mining and Metallurgy.

6. That I have practiced my profession as a mine and exploration geologist for fifteen years.

7. That the conclusions and recommendations in the attached report are based on work done by the writer and a review of all available private and public reports.

8. That I hold no interest in the Lin, Mel, Don and Bren Claims owned by Mr. Mel F. Holloway (Yukon Yellow Metal Exploration Ltd.).

DATED at Whitehorse, Yukon, this 10th day of January, 1989.



APPENDIX A

31 ELEMENT ICP AND GOLD GEOCHEMICAL ASSAY CERTIFICATE

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

GEOCHEMICAL ANALYSIS CERTIFICATE

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: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: DEC 7 1988 DATE REPORT MAILED: Dec 12/88 SIGNED BY. C. Leong ..D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

CARLYLE GEOLOGICAL File # 88-6175 Page 1

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
2S-1	1	3	18	4	1.4	2	1	4	.78	59	5	ND	9	13	1	53	4	9	.02	.007	32	5	.03	146	.01	3	.37	.01	.14	8	46
2S-2	2	5	34	9	3.1	5	1	35	.67	309	7	2	6	19	1	38	2	3	.04	.006	16	5	.03	115	.01	6	.18	.01	.06	4	1430
2S-3	1	2	12	1	1.2	1	1	10	.40	159	5	ND	5	8	1	33	2	2	.02	.002	18	3	.01	50	.01	2	.23	.01	.12	4	128
3S-1	1	4	7	3	.9	2	1	6	.72	35	5	ND	6	6	1	60	4	8	.01	.007	17	4	.01	23	.01	9	.41	.01	.10	9	26
3S-2	1	4	16	3	1.2	1	1	2	.62	59	5	ND	8	11	1	55	2	9	.01	.005	29	8	.03	107	.01	6	.58	.01	.19	9	40
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3S-4	1	2	20	1	2.2	2	1	13	.34	88	5	ND	6	9	1	32	3	2	.02	.002	18	5	.01	79	.01	6	.24	.01	.14	4	77
4S-1	1	2	8	6	1.1	2	1	2	.28	42	5	ND	8	7	1	61	2	9	.01	.005	27	8	.01	50	.01	8	.49	.01	.12	12	84
4S-2	3	3	44	5	1.3	5	1	4	.56	3244	5	ND	11	12	1	68	2	6	.02	.009	41	8	.01	83	.01	5	.34	.01	.10	5	830
5S-1	1	9	8	5	.5	3	1	2	.94	92	5	ND	9	4	1	44	2	9	.01	.006	25	6	.02	30	.01	7	.45	.01	.12	19	31
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6S-1	1	35	14	10	.1	27	12	2	5.23	93	5	ND	14	6	1	53	2	10	.01	.005	22	8	.03	17	.01	3	.49	.01	.16	20	25
6S-2	3	4	49	7	1.8	6	1	9	.83	378	5	ND	11	102	1	64	2	7	.02	.012	35	12	.01	84	.01	3	.29	.01	.17	7	930
7S-1	1	37	17	13	.5	24	12	4	4.82	434	5	ND	12	15	1	70	2	11	.01	.007	19	7	.03	12	.01	7	.53	.01	.16	15	270
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8S-2	1	18	25	63	1.2	57	10	16	2.26	14055	5	5	8	26	1	44	3	3	.06	.024	10	12	.02	88	.01	2	.18	.01	.10	5	5530
1N-1	1	6	10	2	.3	2	1	3	.38	31	5	ND	7	8	1	25	4	5	.02	.003	17	6	.02	26	.01	8	.50	.01	.13	7	26
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4N-2	1	7	18	4	1.5	1	1	2	.46	22	5	ND	10	9	1	70	2	11	.01	.005	31	6	.02	46	.01	11	.58	.01	.14	15	186
4N-3	2	14	239	36	9.4	21	4	34	1.22	9553	5	7	9	34	1	40	2	3	.04	.013	27	11	.01	65	.01	4	.18	.01	.11	7	6210
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STD C/AU-R	18	62	41	132	7.0	69	31	1030	4.06	45	18	8	39	49	19	18	19	61	.48	.096	40	57	.89	183	.07	36	1.92	.06	.13	11	510

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	Au* PPB
6N-1	1	29	27	23	.3	49	13	6	2.61	80	5	ND	18	18	1	77	2	8	.10	.367	51	15	.02	32	.01	6	.55	.01	.07	19	27
6N-2	1	15	40	7	1.6	17	6	13	3.36	391	5	ND	10	33	1	72	2	4	.04	.048	19	10	.03	16	.01	7	.37	.01	.10	7	510
6N-3	2	9	333	17	3.9	5	2	12	1.43	201	5	ND	4	41	1	36	2	3	.03	.025	10	7	.02	172	.01	4	.19	.01	.09	6	2330
6N-4	2	6	17	5	.9	4	2	3	1.32	98	5	ND	4	18	1	58	2	2	.02	.008	16	6	.01	85	.01	4	.22	.01	.11	3	200
7N-1	1	17	16	59	1.6	27	6	12	1.59	4089	5	ND	9	21	1	33	2	2	.03	.042	12	9	.01	75	.01	2	.22	.01	.05	5	2480
7N-2	2	10	9	7	.3	9	3	13	1.25	366	5	ND	4	12	1	21	2	2	.02	.005	17	9	.02	55	.01	6	.31	.01	.16	3	200
8N-1	2	46	41	51	.9	69	19	16	2.55	1458	5	ND	42	81	1	65	2	10	.18	.136	62	21	.03	24	.01	7	.84	.01	.10	11	820
8N-2	3	16	10	19	1.3	19	7	12	1.84	6072	5	ND	7	15	1	27	2	2	.04	.016	13	11	.02	50	.01	5	.25	.01	.11	3	1300
B-1	1	1	10	4	.1	1	3	807	.68	20	6	ND	2	1349	1	2	2	1	35.50	.006	6	1	.21	4	.01	2	.03	.01	.01	2	14
* BR-1	1	8	3	31	.1	8	4	240	1.18	2	5	ND	8	46	1	2	3	10	1.76	.009	8	17	.32	13	.04	2	1.11	.02	.07	2	2
* D-1	1	1	4	3	.1	2	2	371	.35	6	7	ND	1	677	1	2	2	1	39.73	.005	38	1	.13	7	.01	2	.03	.01	.01	1	4
BTN-1	2	18	133	595	1.2	23	8	30	2.40	12526	5	ND	7	16	1	50	2	2	.23	.013	11	8	.03	43	.01	2	.20	.01	.06	1	2500
* L-1	1	1	2	4	.1	4	1	32	.47	38	5	ND	1	12	1	2	2	1	.34	.005	3	6	.01	6	.01	2	.04	.01	.02	4	10
H-1	2	8	4	5	.1	10	3	155	.94	15	5	ND	3	5	1	2	2	1	.05	.008	8	7	.03	13	.01	3	.17	.01	.07	2	5
H-2	2	5	2	1	.1	3	1	50	.36	2	5	ND	2	4	1	2	2	1	.14	.006	7	6	.01	23	.01	2	.09	.01	.08	4	1
H-3	2	4	4	6	.2	11	4	354	1.67	2	5	ND	5	12	1	2	2	1	.22	.011	10	8	.07	13	.01	2	.22	.01	.06	3	4
HW-1	1	10	8	28	.7	18	7	21	2.07	9576	5	ND	4	5	1	28	2	1	.04	.011	10	7	.01	19	.01	3	.16	.01	.07	4	1210
FW-1	1	19	22	47	.2	53	15	16	4.30	108	5	ND	15	18	1	119	3	5	.28	.107	32	11	.01	22	.01	7	.45	.01	.08	7	19
* M-1	1	1	3	16	.2	27	4	112	.43	22	7	ND	1	380	1	2	2	2	38.75	.006	4	3	.05	2	.01	2	.04	.01	.01	1	4
R-1	1	1	7	5	.2	3	2	221	.24	2	7	ND	2	1067	1	2	2	1	38.93	.003	7	1	.27	5	.01	2	.01	.01	.01	1	1
R-2	1	1	4	7	.3	3	2	76	.32	3	9	ND	2	1148	1	2	3	1	38.96	.001	4	1	.25	4	.01	2	.02	.01	.01	1	1
SA-1	1	2	24	5	.3	1	2	91	.43	4	8	ND	1	303	1	2	2	1	40.13	.010	6	1	.14	3	.01	2	.08	.01	.01	1	1
SA-2	1	3	279	37	.6	5	5	175	1.57	7	7	ND	3	655	1	2	2	3	29.65	.016	9	4	1.00	8	.01	3	.25	.01	.03	1	5
SI-1	1	26	13	91	.1	31	11	235	4.13	2	6	ND	17	97	1	2	2	9	1.70	.041	42	22	1.04	24	.01	3	2.00	.01	.11	2	1
SI-2	1	2	6	7	.3	1	1	238	.19	5	8	ND	2	145	1	2	2	1	37.68	.007	5	1	.39	10	.01	2	.04	.01	.01	1	1
STD C/AU-R	18	62	43	133	6.7	71	31	1037	4.20	42	17	7	38	48	19	18	21	60	.49	.092	40	55	.92	176	.07	37	1.98	.06	.13	11	495

* ASSAY REQUIRED FOR CORRECT RESULT for As > 1%

12

REPORT ON THE

1989 EXPLORATION PROGRAM

YUKON YELLOW METAL EXPLORATION PROPERTY

WATSON LAKE MINING DISTRICT, YUKON

NTS 105 B 10, 11 and 15

FOR

YUKON YELLOW METAL EXPLORATION LTD.

By

LARRY W. CARLYLE, F.G.A.C., P. Geol.

Whitehorse, Yukon

January 8, 1990

SUMMARY

The Yukon Yellow Metal Exploration property adjoins claims controlled by Oropex Minerals Inc. in the Shootamook Creek area of the Wolf Lake Map Sheet (NTS 105 B 10, 11 and 15). Shootamook Creek is a tributary of Scurvy Creek approximately 55 miles (92 Km.) north of Rancheria Lodge situated at Mile 710 (Km. 1143) of the Alaska Highway.

Exploration on the property was performed at various times between September 10, 1989 and October 21, 1989. Because the Yukon Yellow Metal and Oropex Minerals properties adjoin and share some of the same management, it was decided to work out of the camp located on claims controlled by Oropex and share logistical support. Work on the Yukon Yellow Metal Exploration property consisted of:

- Regional geological mapping
- Regional stream sediment and rock sampling
- Blast hole trenching and sampling

The property is underlain by Late Proterozoic to Early Cambrian meta-sediments. These sediments have been deformed by at least three phases of folding. The first phase resulted in east to northeast axial plane folds. The second phase resulted in west or southwest axial plane folds. Third phase folds are open folds apparently related to the late Early Cretaceous intrusion of the Marker Lake batholith and the Cabin Creek and Gravel Creek stocks.

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FIGURES

TABLES

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INTRODUCTION

The writer performed work on the Yukon Yellow Metal Exploration property at various times between September 10, 1989 and October 21, 1989. This report summarizes and assembles data collected.

LOCATION, ACCESS AND CLAIMS

The Yukon Yellow Metal Exploration property is located in the Shootamook Creek area of NTS Map Sheets 105 B 10, 11 and 15 within the Watson Lake Mining District, Yukon. Shootamook Creek is a tributary of Scurvy Creek located approximately 55 miles (92 Km.) north of Rancheria Lodge situated at Mile 710 (Km. 1143) of the Alaska Highway. Access during the 1989 exploration program was by helicopter.

Yukon Yellow Metal Exploration Ltd. holds 160 claims in 4 claim groups called the Bren, Don, Lin and Mel (See Figures 1 and 2). Other claims shown on these figures have been optioned to Oropex Minerals Inc. Assessment work has been filed to maintain all the Yukon Yellow Metal claims in good standing until January 4, 1991.

HISTORY

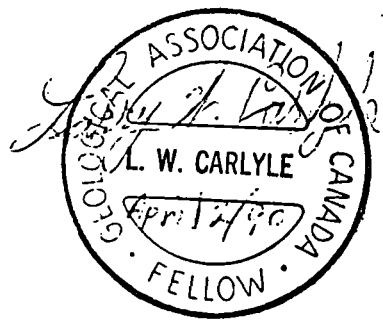
The Lin, Mel, Don and Bren Claim groups were staked in late December, 1987 at the same time as the Hugh, Bud Ron, Sam and Sid Claim groups. These last five claim groups have been joined with the original Matt-Matthew Claim group and optioned to Oropex Minerals Inc. (See Figures 1 and 2). Mr. Mel Holloway is the president of both Yukon Yellow Metal Exploration and Oropex

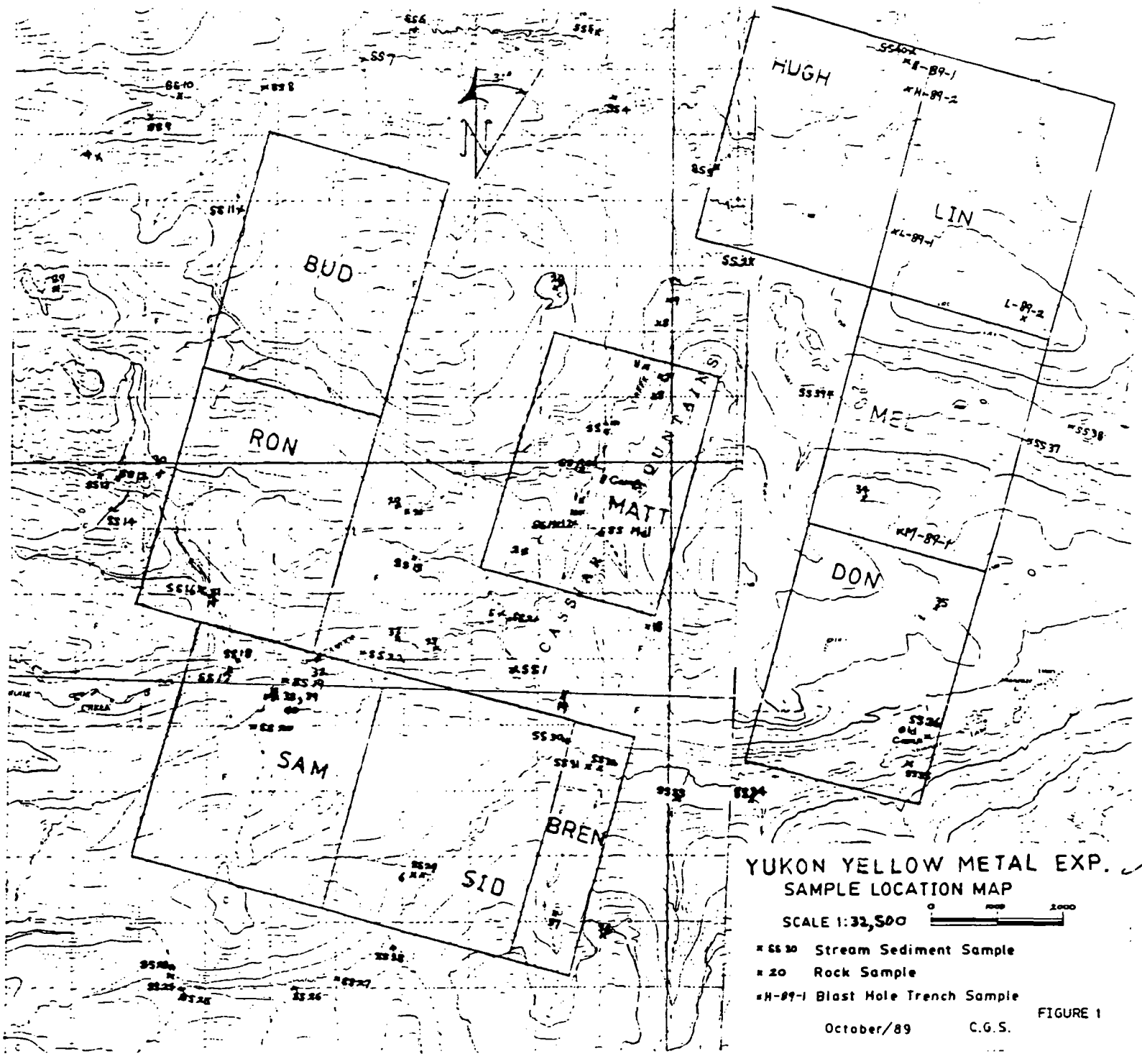
YUKON YELLOW METAL CLAIM INFORMATION

AS AT APRIL 2, 1990

Claim Names	Grant Numbers	Owner	Expiry Date
Lin 1 - 48	YB 10974-YB 11021	Mel Holloway	January 4, 1991
Mel 1 - 48	YB 10830-YB 10877	Mel Holloway	January 4, 1991
Don 1 - 48	YB 10782-YB 10829	Mel Holloway	January 4, 1991
Bren 1 - 16	YB 10718-YB 10733	Mel Holloway	January 4, 1991

I, Larry W. Carlyle, certify that I obtained these expiry dates on this date directly from Patti McLeod, the Watson Lake Mining Recorder.





YUKON YELLOW METAL EXP.
SAMPLE LOCATION MAP

SCALE 1:32,500

× 55 30 Stream Sediment Sample
× 20 Rock Sample
×H-89-1 Blast Hole Trench Sample

October/89 C.G.S.

FIGURE 1

ASSOCIATION OF GEOLOGISTS CANADA
L. W. CARLYLE
FELLOW

Minerals Inc. All of the claim groups listed above were staked to protect any continuation of the Winnie Gold Showing located on the Matt-Matthew Claim group.

REGIONAL GEOLOGY

Regional geological mapping on a scale of 1:50,000 covering the Gravel Creek (105 B 10) and Irvine Lake (105 B 11) map sheets was completed by Donald Murphy during the summer of 1987. This work is now available as Open File 1988-1.

Mr. Murphy's work has shown that the Yukon Yellow Metal Exploration property is underlain by Late Proterozoic to Early Cambrian meta-sediments. At least three phases of folding have deformed these sediments. The first phase is considered to be of early Middle Jurassic age and has resulted in east to northeast axial plane folds. The second phase of folding deforms the first phase and is cross-cut by the late Early Cretaceous Marker Lake batholith and Cabin Creek and Gravel Creek stocks. This second phase of folding results in west to southwest axial plane folds. The third phase of folding is expressed as open folds related to the Cretaceous intrusives. The regional geology as mapped during 1989 is shown on Figure 2.

PROPERTY GEOLOGY

Geological mapping in the claim area is severely hampered by a lack of outcrop. Outcrop is most frequently located in stream cuts and on sharply dipping hillsides.

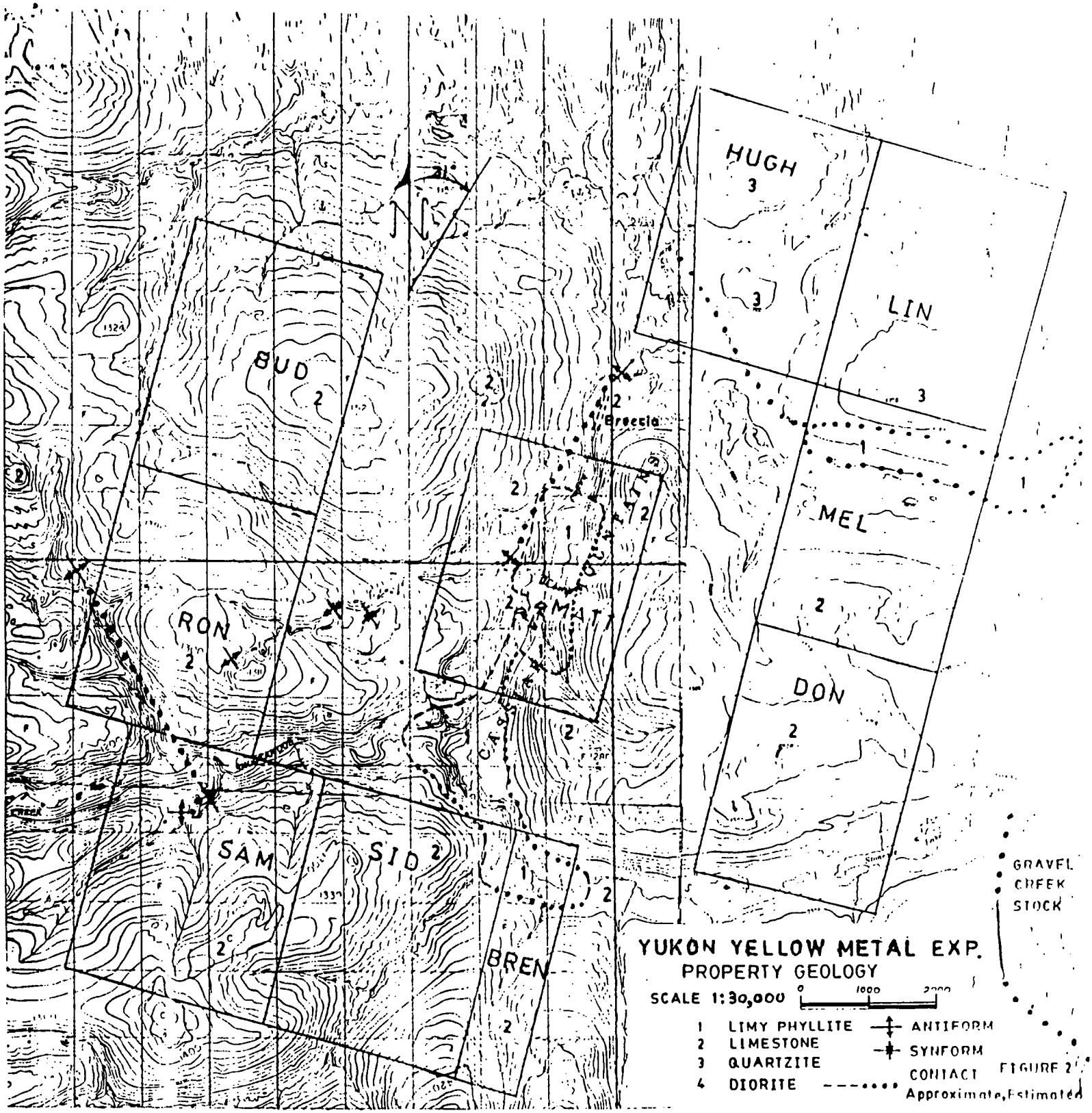


FIGURE 2

GEOLOGICAL ASSOCIATION OF CANADA
L. W. CARLYLE
FELLOW

The oldest rocks seen on the property are black to dark grey limy graphitic phyllite. In areas of faulting and hydrothermal activity, this phyllite is altered to sericitic and to silicified sericitic equivalents. The graphitic phyllite grades upward into a dark grey, fine grained limestone on the Mel, Don and Bren Claim groups. The phyllite is exposed on the north bank of Scurvy Creek where it is overlain unconformably by a light grey to white, sugary quartzite on the Hugh and Lin Claim groups.

The dark grey limestone which overlies the graphitic phyllite on most of the property in its turn grades upward into a light grey to white, sugary limestone. This white limestone is well exposed on bluffs near hilltops on the Mel and Don Claim groups. The progression from black graphitic phyllite to dark grey graphitic limestones to white limestones is believed to be an expression of a rising sea floor during deposition.

No folds or axial plane faults have, as yet, been located on the Yukon Yellow Metal property. The locating of such structures on the adjoining Oropex Minerals claims indicates that similar structures may, however, exist. The proximity of the Bren, Don and Mel Claims to the Gravel Creek stock (See Figure 2) and the extensive exploration in the 1970's for tungsten skarn deposits south of Stoneaxe Lake strongly suggests that these claim groups be considered as excellent exploration targets, not only for gold, but for tungsten.

WORK PERFORMED

1. Regional Geological Mapping

The geology described in the Property Geology section and drawn on Figure 2 was obtained from ground traverses and helicopter supported traverses I did during the exploration program. Some of these traverses were made looking specifically for skarn mineralization because of the tungsten skarn exploration near Stonepine Lake. Only weakly altered limestone has, as yet, been located but further work is warranted.

As stated earlier, geological mapping is hampered by a lack of outcrop. The complex deformational history of the area documented by Murphy (1988) further adds to the need for a good geological understanding of the property. This understanding may be assisted by controlled aerial photography of the area. The cost of this work could be shared between Yukon Yellow Metal, Oropex Minerals and other claim holders in the area.

2. Regional Stream Sediment and Rock Sampling

The stream sediment and rock sampling locations are shown on Figure 1 with the assay certificates included in Appendix A. These samples were, in part, obtained with helicopter support in an attempt to better understand the geology and to locate areas warranting further work. Speed was needed in accomplishing this work since it was started late for a Yukon exploration season.

Samples with specific application to the Yukon Yellow Metal

Exploration property have been marked with an asterike in Appendix A. The elevated levels of tungsten obtained in stream sediment samples SS-34 and SS-35 are a further indication that such mineralization exists south of Stoneaxe Lake in the Gravel Creek stock.

3. Blast Hole Trenching and Sampling

Three of the samples, L-89-1, L-89-2 and M-89-1, on Figure 1 and in Appendix A represent samples taken at blast hole sites. The volumes blasted at these sites has been reported in the assessment reports.

Blast Hole Sample Descriptions

Sample #	Description	Au (ppb)	Ag (PPM)	As(PPM)
L-89-1	Iron stained soil and white quartzite (+ gneiss)	3	0.1	11
L-89-2	Fractured white quartzite < 1% disseminated pyrite	3	0.1	2
M-89-1	Pink (manganese ?) iron stained white sugary limestone	3	0.1	4

A partial rock sample description table is included as Appendix B. Sample descriptions and assay results not included in Appendices A and B apply to work done on the Oropex Minerals property and do not form part of this report.

CONCLUSIONS

The geological work done in the area of the Yukon Yellow Metal Exploration property by Murphy and myself has resulted in a

better understanding of the geological complexity and potential of the area.

The presence of the significant gold showing being explored by Oropex Minerals on the adjoining property and the extensive exploration in the 1970's for tungsten-skarn deposits south of Stoneaxe Lake give some indication of the area's potential. This potential shows that further geological work is warranted in the search for gold and tungsten mineralization on the Yukon Yellow Metal Exploration property.

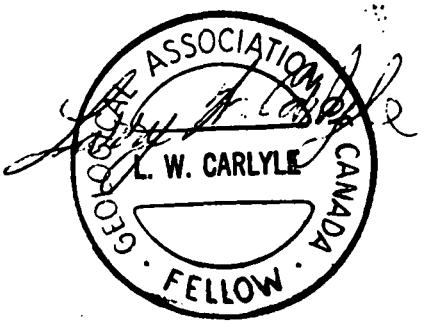
RECOMMENDATIONS AND PROPOSED WORK PROGRAM

1. Controlled low level aerial photography of the area will assist in completing further geological mapping on the Yukon Yellow Metal property. The cost of this work could be shared with Oropex Minerals and other claim holders in the area who may find photography useful in their mine planning.

2. Increased geological understanding of the property with more rock and soil sampling data has a good chance of locating areas of gold and tungsten mineralization. These areas could warrant trenching and further exploration.

PROPOSED 1990 BUDGET

Wages and Benefits	$ 6,000.00
Camp	$ 3,000.00
Room and Board	$ 500.00
Geological Services	$ 5,000.00
Aircraft and Helicopter	$ 5,000.00
Fuel and Supplies	$ 1,000.00
Assaying	$ 2,000.00
Aerial Photography	$ 9,000.00
Contingencies	$ 3,500.00
Total	$ 35,000.00



REFERENCES

1. Carlyle, L.W., (1989) "Report on the Lin, Mel, Don and Bren Claim Groups, Watson Lake Mining District, Yukon". Report to Yukon Yellow Metal Exploration Ltd.

2. Carlyle, L.W., (1989) "Report on the 1989 Exploration Program, Oropex Minerals Inc. Property, Watson Lake Mining District, Yukon". Report to Oropex Minerals Inc.

3. Murphy, D.C., (1988) "Geology of Gravel Creek (105 B 10) and Irvine Lake (105 B 11) Map Areas, Southeastern Yukon". Open File 1988-1, Canada Yukon E.D.A.

STATEMENT OF QUALIFICATIONS

I, LARRY W. CARLYLE, do certify:

1. That I am a professional geologist operating a business registered as CARLYLE GEOLOGICAL SERVICES LTD. with an office at 74 Tamarack Drive, Whitehorse, Yukon Y1A 4Y6.

2. That I hold a B. Sc. degree in geology from the University of British Columbia (1970).

3. That I am a Fellow of the Geological Association of Canada (F - 4355).

4. That I am a Registered Professional Geologist in the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta (41097).

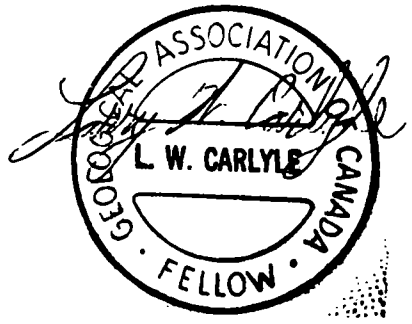
5. That I am a Member of the Canadian Institute of Mining and Metallurgy.

6. That I have practiced my profession as a mine and exploration geologist for fifteen years.

7. The conclusions and recommendations in the attached report are based on a work program I supervised on the property and a review of all available private and public reports on the property.

8. That I hold no interest in the property or in the shares of Yukon Yellow Metal Exploration Ltd.

DATED at Whitehorse, Yukon, this 8th day of January, 1990.



APPENDIX A

ASSAY CERTIFICATES

Oropex Minerals Inc. FILE # 89-4493

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
3+[illegible]N 5+80E	1	15	11	49	.1	23	10	309	2.37	18	5	ND	8	570	1	2	2	10	11.69	.048	20	12	.57	28	.01	2	.64	.01	.02	1	-
3+[illegible]N 6+00E	1	19	13	61	.1	23	11	358	2.70	15	5	ND	9	562	1	2	2	7	9.94	.046	22	13	.60	32	.01	2	.80	.01	.02	1	-
3+[illegible]N 6+21E	1	21	12	58	.1	23	10	224	2.45	16	5	ND	9	467	1	2	2	8	8.84	.047	23	13	.52	43	.01	2	.75	.01	.02	1	-
L-[illegible]-1 *	1	19	11	43	.1	26	12	330	2.88	11	5	ND	9	21	1	2	2	18	.43	.025	28	23	.44	73	.01	2	1.37	.01	.08	1	3

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
-89-2	3	4	2	1	.1	11	1	10	.30	2	5	ND	1	3	1	2	2	1	.01	.002	3	8	.01	2	.01	2	.03	.01	.02	1	3
-89-1	3	3	3	1	.1	11	2	78	.71	2	5	ND	1	23	1	2	2	1	.42	.086	4	7	.02	8	.01	2	.07	.01	.04	1	4
-89-2	3	6	4	7	.1	11	2	54	1.26	4	5	ND	3	28	1	2	3	1	.18	.122	9	9	.01	19	.01	4	.12	.01	.05	1	1
-89-1	1	1	2	1	.1	1	1	30	.09	4	5	ND	2	1159	1	2	2	1	38.20	.005	2	1	.13	5	.01	2	.01	.01	.01	1	3
KS 1-1	2	30	25	6	.1	43	10	3	2.52	138	5	ND	23	82	1	22	2	14	.67	.222	63	24	.02	45	.01	4	.84	.01	.09	4	8
KS 1-2	2	17	30	5	.2	16	4	7	2.94	85	5	ND	14	111	1	33	2	5	1.91	.033	27	10	.03	15	.01	6	.47	.01	.18	4	17
KS 1-3	2	12	17	17	.5	21	8	7	3.70	89	5	ND	6	12	1	29	2	3	.07	.020	23	9	.01	13	.01	7	.28	.01	.07	3	6
KS 1-4	1	22	50	13	.4	17	5	8	6.26	218	5	ND	22	97	1	28	2	13	.14	.222	59	20	.03	51	.01	3	.57	.01	.10	15	11
KS 1-5	2	7	10	3	.5	15	3	6	1.66	69	5	ND	3	8	1	13	2	2	.02	.005	8	9	.01	24	.01	5	.24	.01	.12	1	10
KS 1-6	1	27	12	13	2.1	34	13	9	8.70	97	5	ND	15	48	1	43	2	7	.08	.015	29	10	.02	8	.01	3	.60	.01	.14	4	19
KS 2-1	1	78	35	90	.1	148	28	202	2.70	6	5	ND	39	47	1	4	4	49	.97	.283	144	102	1.41	16	.01	10	2.45	.01	.03	12	2
KS 2-2	1	40	38	13	.1	70	18	14	5.40	26	5	ND	37	78	1	15	4	20	.49	.252	86	38	.10	17	.01	2	1.05	.01	.04	16	4
KS 2-3	1	25	28	114	.1	70	20	6	5.22	83	5	ND	20	25	1	38	2	17	.26	.078	74	19	.04	29	.01	6	.85	.01	.14	9	18
KS 2-4	2	50	20	47	.4	39	12	13	3.86	663	6	ND	16	97	1	20	2	11	.20	.136	93	21	.03	40	.01	21	1.42	.01	.12	16	60
KS 2-5	1	42	27	51	3.1	146	36	2	12.62	439	5	ND	23	72	1	96	2	11	.23	.065	60	13	.02	7	.01	7	.56	.01	.10	4	39
KS 2-6	1	22	17	108	2.7	97	29	7	9.08	242	5	ND	9	70	1	56	2	8	.30	.030	31	9	.03	11	.01	5	.66	.01	.19	2	32
KS 3-1	1	26	29	78	.1	102	22	9	3.04	34	6	ND	23	69	1	60	2	11	.54	.222	96	18	.01	32	.01	8	.78	.01	.03	8	3
KS 3-2	1	22	19	53	.1	81	16	11	4.08	31	5	ND	18	29	1	58	2	9	.36	.140	69	17	.01	22	.01	8	.65	.01	.03	5	12
KS 3-3	1	25	18	59	.1	94	22	9	6.99	41	5	ND	20	28	1	55	2	12	.39	.156	73	17	.01	16	.01	2	.73	.01	.03	8	8
KS 3-4	16	256	27	42	.1	38	24	22	11.24	28	5	ND	8	18	1	68	2	11	.73	.267	26	8	.01	7	.01	14	.59	.01	.01	12	3
KS 3-5	1	22	31	59	.6	79	18	10	4.36	129	5	ND	22	22	1	42	2	11	.41	.152	73	13	.01	27	.01	23	.69	.01	.10	6	26
KS 4-1	5	43	20	99	.4	115	27	22	3.72	96	6	ND	25	18	1	30	2	16	.45	.152	76	22	.02	26	.01	19	.97	.01	.08	9	17
KS 4-2	2	32	23	57	.6	107	23	8	3.67	44	5	ND	21	18	1	68	2	12	.52	.199	74	17	.01	26	.01	8	.74	.01	.02	8	14
KS 4-3	5	37	25	43	.2	48	13	12	5.35	75	5	ND	16	39	1	31	2	11	.38	.179	60	12	.01	23	.01	5	.73	.01	.07	7	12
KS 4-4	1	33	22	55	.3	91	26	8	7.64	42	5	ND	23	13	1	38	3	13	.48	.192	89	18	.01	10	.01	2	.72	.01	.02	6	7
KS 5-1	1	19	22	32	1.3	72	16	14	4.52	98	5	ND	13	41	1	87	2	12	.36	.187	53	18	.01	21	.01	7	.60	.01	.07	5	15
KS 5-2	1	5	20	40	.2	56	13	15	.98	44	5	ND	20	33	1	29	4	13	.55	.271	99	17	.01	29	.01	7	.74	.01	.09	6	2
KS 5-3	2	19	20	39	1.2	50	11	15	5.16	338	5	ND	5	24	1	85	2	7	.16	.078	25	12	.01	14	.01	22	.46	.01	.08	4	32
KS 5-4	2	32	24	81	.8	91	25	8	5.35	54	5	ND	19	19	1	39	4	13	.38	.140	67	18	.01	17	.01	9	.82	.01	.06	3	6
KS 5-5	1	33	33	116	.1	68	20	2	9.34	21	5	ND	14	18	1	19	2	10	.20	.054	63	10	.02	16	.01	3	.77	.01	.11	8	2
KS 5-6	1	31	23	64	.3	29	12	5	6.21	77	5	ND	9	15	1	71	2	5	.15	.051	36	9	.01	10	.01	8	.54	.01	.07	2	17
ORO-54	1	22	12	21	.7	15	7	5	6.61	455	5	ND	11	12	1	39	2	5	.03	.035	14	9	.01	13	.01	9	.37	.01	.06	3	25
ORO-55	1	36	36	71	.2	35	21	2	7.55	81	5	ND	10	18	1	66	2	5	.16	.053	41	7	.01	13	.01	4	.50	.01	.09	2	18
ORO-56	1	25	19	102	.1	51	18	6	6.06	16	5	ND	12	21	1	20	2	6	.21	.071	37	10	.01	15	.01	3	.58	.01	.09	3	7
ORO-57	1	14	32	41	.5	58	13	14	2.42	234	5	ND	9	25	1	36	2	8	.31	.120	46	11	.01	22	.01	6	.56	.01	.10	3	27
ORO-58	11	34	18	62	.9	97	24	11	7.03	57	5	ND	20	16	1	49	4	12	.43	.169	98	19	.01	11	.01	2	.74	.01	.03	9	11
STD C/[illegible]-R	18	61	38	132	7.2	66	31	935	4.00	39	19	6	36	47	18	14	19	57	.48	.088	37	56	.90	174	.06	34	2.00	.06	.14	11	520

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
ORO-59	1	24	28	40	.4	62	18	5	6.02	64	5	ND	19	23	1	54	2	12	.43	.163	52	18	.01	17	.01	12	.68	.01	.06	6	1
ORO-60	3	32	25	52	.1	69	19	12	3.46	53	5	ND	17	33	1	42	2	15	.38	.169	72	15	.01	21	.01	15	.69	.01	.08	8	1
ORO-61	1	37	30	63	1.2	80	22	8	10.38	138	5	ND	16	94	1	108	2	11	.36	.159	63	14	.01	4	.01	9	.64	.01	.07	5	1
ORO-62	3	4	9	3	.1	10	1	11	.37	66	5	ND	3	4	1	2	2	3	.02	.009	14	10	.01	15	.01	15	.32	.01	.08	4	
ORO-63	2	4	11	3	.1	13	3	2	1.00	646	5	ND	12	15	1	64	2	7	.02	.035	34	10	.01	61	.01	13	.40	.01	.07	5	1
ORO-64	2	15	12	70	.4	24	6	6	2.33	4373	5	ND	8	10	1	26	2	4	.03	.020	13	10	.01	29	.01	3	.32	.01	.12	1	740
ORO-65	1	55	19	79	.2	60	25	3	5.28	1802	5	ND	21	37	1	40	2	16	.14	.042	40	13	.06	10	.01	3	.71	.01	.19	7	63
ORO-66	2	21	12	93	.1	49	14	2	2.97	80	5	ND	14	21	1	25	2	8	.14	.043	46	8	.05	25	.01	14	.70	.01	.22	3	6
ORO-67	1	1	17	2	.1	3	1	2	.96	38	5	ND	4	22	1	36	2	5	.01	.027	13	6	.01	31	.01	4	.51	.01	.08	4	1
ORO-68	3	28	22	23	.1	29	9	146	1.73	58	5	ND	11	62	1	13	2	10	.57	.059	46	16	.18	62	.01	10	.52	.01	.08	4	5
ORO-69	3	50	8	51	.1	28	14	533	3.09	53	5	ND	12	46	1	4	2	6	1.80	.044	36	9	.03	34	.01	3	.39	.01	.14	1	4
ORO-70	1	2	15	3	.3	9	1	15	.40	9	5	ND	13	6	1	43	2	7	.05	.017	62	14	.01	10	.01	2	.41	.01	.02	3	21
ORO-71	2	39	21	113	.1	50	22	418	5.39	55	5	ND	10	127	1	2	2	13	2.96	.059	14	12	.24	24	.01	4	.41	.01	.11	1	9
ORO-72	2	23	19	24	.1	44	12	12	2.92	43	5	ND	22	24	1	58	2	11	.23	.152	67	17	.01	38	.01	16	.60	.01	.03	6	10
ORO-73	1	19	6	60	.1	28	8	52	2.54	10	5	ND	11	24	1	2	2	3	.22	.043	44	7	.05	22	.01	12	.35	.01	.10	1	5
ORO-74	1	3	14	2	.1	2	1	2	.56	96	5	ND	7	19	1	2	2	5	.05	.035	40	9	.01	25	.01	10	.40	.01	.11	20	36
ORO-75	2	4	17	4	.1	6	2	4	1.25	15	5	ND	5	8	1	5	2	8	.07	.015	22	10	.01	18	.01	4	.49	.01	.08	17	5
ORO-76	2	3	13	3	.1	4	1	3	1.01	4	5	ND	5	103	1	2	2	8	1.80	.011	15	11	.01	15	.01	13	.43	.01	.05	28	3
ORO-77	1	5	6	3	.1	2	1	2	1.77	6	5	ND	6	8	1	6	2	6	.05	.006	37	7	.01	21	.01	2	.40	.01	.10	32	4
STD C/AU-R	18	62	42	132	7.2	67	30	928	4.05	41	17	7	37	47	17	15	19	57	.50	.090	37	55	.90	174	.06	37	2.03	.06	.13	11	495

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
DRO-27	1	2	1696	49	3.3	5	2	637	1.49	7	5	ND	1	115	1	8	2	1	18.37	.001	2	1	5.33	1	.01	4	.02	.01	.01	1	3
DRO-28	1	6	5	3	.1	5	1	32	.36	2	5	ND	1	3	1	2	2	1	.02	.003	4	52	.01	10	.01	9	.08	.01	.05	1	4
DRO-29	1	2	14	11	.1	1	1	444	1.01	12	5	ND	1	197	1	2	2	1	21.25	.002	2	1	5.64	2	.01	3	.01	.01	.01	1	7
DRO-30	1	1	2	3	.1	1	1	201	.73	2	5	ND	1	57	1	2	2	1	16.05	.001	2	22	6.07	3	.01	2	.01	.01	.01	1	1
DRO-31	1	7	2	9	.1	2	2	257	1.82	66	5	ND	1	1731	1	2	2	2	31.43	.007	4	1	.56	4	.01	6	.04	.01	.01	1	7
DRO-32	1	2	2	2	.1	1	1	65	.18	3	5	ND	1	804	1	2	2	1	39.62	.006	4	1	.09	1	.01	2	.02	.01	.01	1	1
DRO-33	1	4	2	4	.1	1	1	208	.40	5	5	ND	1	115	1	2	2	1	26.59	.005	3	1	5.85	6	.01	15	.03	.01	.01	1	3
DRO-34	1	4	2	18	.1	1	1	504	1.42	3	5	ND	1	192	1	2	2	2	27.27	.007	2	1	4.28	3	.01	2	.02	.01	.01	1	2
DRO-35	1	3	2	1	.1	1	1	25	.11	2	5	ND	1	896	1	2	2	1	39.31	.004	2	1	.21	1	.01	2	.01	.01	.01	1	1
DRO-36	1	4	11	13	.1	6	2	81	.73	3	5	ND	1	27	1	2	2	1	1.11	.130	3	42	.17	1	.01	8	.16	.01	.01	1	1
DRO-37	1	1	19	34	.1	1	1	697	.28	2	5	ND	1	397	1	2	2	1	41.03	.001	2	1	.11	1	.01	2	.01	.01	.01	1	2
DRO-38	1	5	21	153	.1	9	6	180	2.51	2	5	ND	1	1162	1	2	2	3	35.23	.012	6	2	.09	2	.01	2	.14	.01	.01	1	1
DRO-39	1	4	3	19	.1	1	2	132	3.21	135	5	ND	1	1059	1	16	2	2	34.70	.007	3	3	.11	6	.01	3	.07	.01	.01	1	1
DRO-40	1	3	4	5	.1	4	1	53	.27	2	5	ND	1	904	1	2	2	1	38.65	.007	5	1	.08	1	.01	3	.05	.01	.01	1	1
DRO-41	2	155	5	8	.1	26	10	970	1.42	12	5	ND	1	459	1	2	2	1	16.33	.002	13	3	.68	9	.01	15	.04	.01	.01	1	4
DRO-42	1	24	26	14	1.0	12	6	8	3.86	118	5	ND	19	44	1	91	2	7	.71	.097	45	15	.01	29	.01	2	.33	.01	.04	6	18
DRO-43	1	6	3	1	2.4	3	1	33	.63	92	5	ND	7	20	1	65	2	4	.43	.008	37	5	.02	14	.01	8	.26	.01	.09	2	75
DRO-44	1	8	10	3	1.0	3	1	6	2.36	1300	5	ND	12	7	1	106	2	8	.06	.014	49	16	.01	15	.01	2	.38	.01	.06	6	129
DRO-45	1	7	5	5	5.1	4	1	23	1.72	1906	5	ND	4	6	1	76	2	3	.07	.003	10	8	.01	9	.01	6	.19	.01	.07	1	950
DRO-46	1	53	12	43	.1	108	21	701	3.08	18	5	ND	23	125	1	2	2	43	5.71	.203	91	89	1.47	83	.01	2	2.41	.01	.03	19	11
DRO-47	1	24	38	27	.1	55	9	86	1.39	28	7	ND	13	50	1	11	3	23	.32	.097	100	53	.42	121	.01	16	.95	.01	.05	14	11
DRO-48	1	3	6	2	.2	3	1	13	.16	7	5	ND	5	6	1	23	2	7	.09	.007	22	26	.02	22	.01	2	.32	.01	.02	8	4
DRO-49	1	4	19	2	1.0	4	1	9	.27	12	5	ND	6	7	1	42	2	7	.03	.007	35	9	.01	19	.01	2	.28	.01	.04	5	26
DRO-50	1	1	23	2	.4	3	1	6	.52	84	5	ND	5	17	1	26	2	4	.03	.009	34	16	.01	43	.01	6	.33	.01	.10	1	37
DRO-51	1	13	33	6	1.1	6	3	5	1.97	665	5	ND	20	41	1	69	2	6	.01	.034	55	9	.01	61	.01	10	.29	.01	.07	4	99
DRO-52	1	8	32	5	1.6	6	2	16	1.73	350	5	ND	23	13	1	49	2	9	.02	.032	40	23	.01	42	.01	2	.43	.01	.05	6	30
DRO-53	1	20	17	36	1.1	53	11	35	3.04	4138	5	ND	8	19	1	61	2	6	.23	.081	31	10	.02	24	.01	4	.28	.01	.08	2	290
STD C/AU-R	18	61	36	133	6.6	70	31	1001	4.04	40	17	7	37	48	19	15	22	58	.48	.091	38	56	.88	171	.06	35	1.96	.06	.14	12	530

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
SS-[illegible] F	1	22	26	143	.3	23	10	477	2.76	28	5	ND	5	141	1	3	2	10	4.36	.075	15	12	.43	42	.01	2	.72	.01	.06	1	29
SS-[illegible] F	1	25	15	145	.2	31	13	315	3.24	23	5	ND	5	84	1	8	2	12	1.96	.065	20	16	.63	53	.02	3	.99	.01	.09	21	12
SS-[illegible]	1	14	12	96	.1	20	9	324	2.50	2	5	ND	6	25	1	2	2	17	.44	.101	23	18	.42	41	.03	2	1.07	.01	.10	12	45
SS-[illegible] P	1	16	14	72	.1	22	8	183	2.41	19	5	ND	2	222	1	2	2	9	6.67	.053	22	16	.45	31	.01	2	.93	.01	.03	1	7
SS-[illegible] P	1	21	8	57	.1	26	10	270	2.57	13	5	ND	5	325	1	2	2	9	10.21	.046	14	15	.51	29	.01	2	.80	.01	.05	5	10
SS-[illegible]	1	16	8	54	.1	21	10	368	2.50	4	5	ND	4	57	1	2	2	9	1.41	.082	19	14	.38	33	.01	2	.75	.01	.05	1	4
SS-[illegible] P	1	18	8	50	.1	26	9	318	2.59	17	5	ND	5	178	1	2	2	11	4.95	.043	14	19	.72	32	.01	2	.94	.01	.05	1	4
SS-[illegible] P	1	8	8	30	.1	14	7	336	1.88	3	5	ND	3	22	1	2	2	8	.43	.057	14	11	.22	33	.01	3	.52	.01	.05	1	7
STD C/AU-S	17	62	40	139	7.1	66	30	1022	3.92	36	17	7	36	47	17	15	23	56	.48	.087	37	54	.86	175	.06	34	1.92	.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
SS [illegible]	1	18	11	70	.1	24	11	327	2.68	18	5	ND	6	402	1	2	2	8	8.22	.056	16	12	.54	30	.01	2	.75	.01	.03	1	3
SS [illegible]	1	16	10	60	.1	23	10	330	2.72	15	5	ND	7	505	1	2	2	9	10.40	.049	22	14	.71	43	.01	3	.74	.01	.02	1	1
SS [illegible]	1	19	8	54	.1	28	13	648	2.96	4	5	ND	4	41	1	2	2	11	.77	.097	20	18	.44	49	.01	5	.95	.01	.05	1	6
SS [illegible]	1	16	11	49	.1	28	12	858	3.57	17	5	ND	4	38	1	2	2	10	5.20	.075	16	13	1.29	59	.01	3	.64	.01	.05	1	6
SS [illegible]	1	17	11	60	.1	30	14	617	3.43	8	5	ND	6	51	1	2	2	7	2.50	.060	20	15	.56	29	.01	2	.92	.01	.05	1	3
SS [illegible]	1	14	7	64	.1	23	11	618	3.00	10	5	ND	4	31	1	2	2	12	.74	.072	19	15	.41	99	.01	4	1.06	.01	.05	1	1
SS [illegible]	1	22	12	63	.1	27	15	768	3.67	8	5	ND	7	29	1	2	2	11	.54	.087	24	16	.44	53	.01	2	1.01	.01	.05	1	5
SS [illegible]	1	17	12	61	.1	27	14	568	3.17	9	5	ND	8	142	1	2	2	8	4.45	.051	23	13	.64	142	.01	2	.86	.01	.04	1	1
SS [illegible]	1	16	13	64	.1	27	13	613	2.92	8	5	ND	4	99	1	2	2	7	3.05	.066	24	12	.55	38	.01	9	.98	.01	.04	1	4
SS [illegible]	1	24	13	72	.1	32	17	581	3.68	17	5	ND	7	47	1	2	2	9	1.55	.059	19	14	.73	46	.01	2	1.16	.01	.05	1	1
SS [illegible]	1	14	12	74	.1	17	8	376	2.29	13	5	ND	3	160	1	2	2	7	7.38	.043	20	11	.46	41	.01	9	.82	.01	.03	1	3
SS [illegible]	1	5	6	25	.2	8	4	246	1.08	11	5	ND	2	505	1	2	2	3	20.27	.013	8	4	.79	13	.01	2	.27	.01	.01	1	2
SS [illegible]	1	13	10	47	.1	17	7	310	2.20	7	5	ND	3	207	1	2	2	18	5.10	.055	21	17	.47	54	.02	10	.79	.01	.03	1	1
SS [illegible]	1	24	17	80	.1	28	14	320	3.39	312	5	ND	6	112	1	2	3	11	2.18	.032	25	12	.26	37	.01	7	.60	.01	.03	1	28
SS [illegible]	1	10	9	62	.1	16	10	1084	2.76	29	5	ND	2	67	1	2	2	11	1.51	.048	21	16	.35	87	.01	9	.93	.01	.04	1	1
SS [illegible]	1	18	8	46	.1	23	10	222	2.37	35	5	ND	4	300	1	2	2	10	9.58	.035	18	14	.47	39	.01	5	.69	.01	.02	2	6
SS [illegible]	1	15	11	57	.1	25	10	648	2.83	11	5	ND	4	70	1	2	2	15	1.45	.074	22	26	.60	136	.01	5	.99	.01	.04	1	1
SS [illegible]	1	8	9	32	.1	14	6	208	1.63	17	5	ND	3	413	1	2	2	7	14.78	.026	13	9	.52	31	.01	2	.47	.01	.02	2	1
SS [illegible]	1	11	20	42	.1	18	7	174	2.06	24	5	ND	4	517	1	2	2	8	15.94	.035	12	10	.89	29	.01	17	.62	.01	.02	3	1
SS [illegible]	1	12	9	49	.1	16	7	227	1.87	7	5	ND	5	345	1	2	2	10	13.65	.039	15	13	.64	58	.01	9	.83	.01	.05	1	7
SS [illegible]	1	36	18	98	.1	49	21	275	4.35	35	5	ND	16	190	1	2	2	9	3.36	.057	28	18	.85	14	.01	2	1.02	.01	.01	1	3
SS [illegible]	1	3	3	19	.1	4	2	71	.52	3	5	ND	1	376	1	2	2	2	22.47	.013	4	3	.25	19	.01	3	.22	.01	.01	1	3
SS [illegible]	1	16	15	74	.1	25	11	154	2.96	17	5	ND	5	147	1	2	2	7	2.31	.043	23	7	.24	14	.01	4	.46	.01	.02	1	6
SS [illegible]	1	29	17	92	.1	35	16	264	3.73	26	5	ND	7	180	1	2	2	8	3.16	.042	20	12	.48	17	.01	6	.85	.01	.01	1	4
SS [illegible]	1	35	19	104	.1	42	18	355	4.04	69	5	ND	8	294	1	2	2	4	7.04	.035	12	8	.45	15	.01	2	.62	.01	.01	1	2
SS [illegible]	1	18	17	74	1.9	29	12	314	3.15	20	5	ND	7	150	1	2	2	10	2.90	.064	23	13	.51	23	.01	16	.90	.01	.03	2	1
SS [illegible]	1	15	11	67	.2	20	9	244	2.17	10	5	ND	7	69	1	2	2	9	1.20	.054	22	11	.44	19	.01	8	.79	.01	.02	1	6
SS [illegible]	1	18	19	101	.1	28	12	250	3.24	8	5	ND	10	115	1	2	3	11	2.20	.080	35	14	.76	20	.01	2	1.18	.01	.03	1	4
SS [illegible]	1	12	8	51	.3	16	8	201	2.16	11	5	ND	7	461	1	2	2	9	10.20	.043	19	11	.43	20	.01	5	.71	.01	.03	1	8
SS [illegible]	1	12	10	85	.1	18	9	276	2.62	18	5	ND	8	111	1	2	2	11	2.10	.098	24	15	.56	35	.01	2	.95	.01	.04	3	16
SS [illegible]	1	19	22	112	.1	30	12	261	3.08	48	5	ND	6	130	1	2	2	8	2.97	.073	21	17	.52	24	.01	14	.79	.01	.03	1	10
SS [illegible]	1	9	9	75	.1	17	7	186	2.21	12	5	ND	7	87	1	2	2	9	1.79	.101	20	12	.48	31	.01	6	.80	.01	.03	3	12
SS RED	1	16	15	48	.1	31	10	359	2.30	15	5	ND	8	414	1	2	2	10	13.36	.060	32	18	1.30	24	.01	18	.58	.01	.03	2	15
SS REL 1	1	23	14	66	.1	31	12	233	2.87	13	5	ND	9	284	1	2	2	10	6.65	.046	27	17	.72	36	.01	2	1.10	.01	.03	1	5
SS REL 2	1	4	2	12	.1	4	1	24	.11	2	5	ND	1	363	1	2	4	1	28.53	.014	7	1	.16	22	.01	13	.06	.01	.01	1	1
SS LTW	1	25	11	75	.1	34	14	234	3.37	29	5	ND	9	159	1	2	2	9	3.35	.042	35	18	.63	31	.01	2	1.01	.01	.03	1	5
STD C/AU-S	18	59	39	132	6.6	68	30	1012	4.00	42	17	7	37	48	17	16	19	58	.50	.089	38	52	.89	176	.05	35	1.93	.06	.14	12	48

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
ORO 1	1	2	12	12	.1	6	1	354	2.53	10	5	ND	1	1128	1	2	2	1	35.89	.004	4	1	1.29	2	.01	2	.01	.01	.01	1	4
ORO 2	1	6	18	15	.1	4	1	411	1.30	9	5	ND	3	1222	1	2	2	1	26.27	.013	6	17	.52	4	.01	2	.04	.01	.03	1	1
ORO 3	1	6	8	14	.1	7	1	518	1.30	10	5	ND	1	293	1	3	2	1	14.23	.013	2	5	5.62	3	.01	2	.03	.01	.03	1	4
ORO 4	1	12	5	22	.1	3	1	11	.34	8	8	ND	2	280	1	3	2	2	37.18	.007	2	7	.12	11	.01	41	.16	.01	.02	2	1
ORO 5	1	24	10	13	.1	12	4	474	.87	6	5	ND	2	2146	1	2	2	3	27.36	.005	4	20	.21	3	.01	2	.13	.01	.02	1	2
ORO 6	2	2	2	6	.1	7	1	236	.47	2	5	ND	1	68	1	2	2	1	4.92	.003	3	7	.89	3	.01	5	.01	.01	.01	1	4
ORO 7	1	2	5	6	.1	3	1	358	.83	20	5	ND	1	482	1	14	2	5	36.76	.005	3	4	1.83	2	.01	3	.01	.01	.01	1	4
ORO 8	1	4	3	2	.1	3	1	146	.18	8	5	ND	1	282	1	2	2	1	39.86	.005	2	2	.07	9	.01	2	.01	.01	.02	1	2
ORO 9	1	6	9	11	.5	10	2	288	1.23	236	5	ND	2	69	1	19	2	2	12.86	.030	4	17	.19	31	.01	2	.06	.01	.04	7	13
ORO 10	1	16	10	47	.1	41	13	449	2.68	11	5	ND	18	167	1	2	2	53	6.43	.185	34	63	2.24	43	.10	4	2.08	.02	.03	1	1
ORO 11	1	6	2	5	.1	5	2	178	.53	12	8	ND	4	288	1	2	2	2	39.40	.005	6	4	.25	14	.01	2	.08	.01	.03	1	1
ORO 12	1	9	15	11	.7	12	3	10	1.32	31	5	ND	4	11	1	39	2	2	.10	.008	14	28	.01	23	.01	4	.18	.01	.09	1	16
ORO 13	1	4	2	5	1.1	8	2	12	1.19	49	5	ND	4	20	1	57	2	2	1.01	.007	23	7	.02	20	.01	2	.19	.01	.08	1	27
ORO 14	1	8	6	9	.5	10	3	8	1.58	55	5	ND	6	10	1	35	2	2	.05	.011	14	28	.01	24	.01	3	.21	.01	.10	1	14
ORO 15	1	11	9	15	.1	11	4	6	1.69	42	5	ND	6	10	1	44	2	2	.09	.013	16	6	.01	23	.01	3	.23	.01	.12	1	22
ORO 16	1	16	15	42	.1	22	7	26	2.93	52	5	ND	10	45	1	64	2	3	.57	.033	37	21	.05	24	.01	4	.46	.01	.10	3	15
ORO 17	1	3	7	18	.8	9	2	9	1.57	52	5	ND	8	13	1	24	2	3	.07	.034	25	7	.02	25	.01	8	.28	.01	.11	1	18
ORO 18	1	1	5	4	.1	2	1	126	.39	10	5	ND	1	514	1	2	2	1	39.68	.004	2	1	.07	7	.01	3	.03	.01	.01	1	4
ORO 19	3	6	6	13	.1	10	1	44	.37	6	5	ND	1	71	1	2	2	1	.80	.001	2	7	.02	2	.01	2	.02	.01	.01	1	1
ORO 20	1	6	10	11	.1	6	3	438	1.84	15	14	ND	3	192	1	7	2	2	31.49	.008	4	4	3.17	8	.01	2	.04	.01	.03	3	5
ORO 21	1	6	8	7	.1	4	2	94	.46	13	5	ND	2	129	1	2	2	1	36.64	.004	4	2	.08	5	.01	2	.02	.01	.02	1	1
ORO 22	1	27	44	68	.1	156	28	419	3.71	12	5	ND	37	50	1	6	2	58	1.21	.272	195	115	1.42	17	.01	7	2.29	.01	.03	32	3
ORO 23	1	10	17	14	.1	33	8	19	5.65	15	5	ND	9	12	1	36	2	13	.67	.041	19	28	.07	14	.01	3	.49	.01	.06	12	3
ORO 24	1	13	15	12	.6	20	6	21	1.13	149	5	ND	11	13	1	42	2	7	1.18	.043	30	12	.02	28	.01	3	.42	.01	.11	4	29
ORO 25	2	90	26	62	.1	51	12	49	11.25	143	5	ND	14	67	1	23	2	7	1.45	.066	130	31	.02	16	.01	9	1.06	.01	.15	3	2
ORO 26	1	9	12	4	.1	6	1	8	.80	28	5	ND	4	8	1	26	2	4	.08	.007	16	8	.02	25	.01	5	.36	.01	.12	6	9
STD C. AU-R	19	62	43	132	6.7	70	30	1028	3.97	42	23	8	37	48	20	16	22	61	.45	.085	39	54	.89	173	.06	35	1.92	.06	.14	11	490

APPENDIX B

ROCK SAMPLE DESCRIPTION TABLE

ROCK SAMPLE DESCRIPTION TABLE

Sample #	Description	Au(ppb)	Ag(PPM)	As(PPM)
1	White quartz-siderite (Limestone ?) 1/8" pyrite crystals	4	.1	10
2	Quartz vein Minor sericite schist & iron staining	1	.1	9
3	Grey limestone with calcite crystals Minor iron staining	4	.1	10
4	Soft, white calcite stream deposit	1	.1	8
5	White quartz vein Minor sericite in fractures	2	.1	6
6	White quartz vein Strong iron stained calcite in fractures	4	.1	2
7	Banded calcite crystals from a vug in limestone	4	.1	20
8	Brown iron stained, grey limestone	2	.1	8
9	Weakly vuggy & iron stained silicified limestone breccia	13	.5	236
10	Fresh outcrop diorite Hornblende & biotite crystals Quartz eyes	1	.1	11
11	Iron stained limestone breccia from a thrust fault	1	.1	12
18	Iron stained calcite in fractures of grey limestone	4	.1	10
19	Iron stained calcite in fractures of white quartz vein	1	.1	6

20	Brown iron stained calcite crystals	5	.1	15
21	White 1/4" calcite crystals in limestone	1	.1	13
27	Red-brown iron stained white limestone	3	3.3	7
28	Iron stained calcite in fractures in quartz vein	4	.1	2
29	1/2" quartz stringers in black crystallized limestone	7	.1	12
30	White 1" quartz stringers in grey limestone	1	.1	2
31	Highly vuggy iron stained grey limestone	7	.1	66
32	Red-brown iron stained grey limestone	1	.1	3
33	Strong red-brown iron stained white limestone	3	.1	5
34	Red-brown iron stained and pyrolusite stained recrystallized limestone	2	.1	3
35	Weakly silicified & red -brown iron stained limestone	1	.1	2
36	Brown iron stained bull quartz vein	1	.1	3
37	Limestone with iron stained calcite crystals in fractures	2	.1	2
38	Red-brown iron stained calcite crystals in fractures in limestone	1	.1	2
39	1" limestone fragments cemented by iron stained calcite	1	.1	135
40	1/2" calcite stringers cutting grey limestone	1	.1	2