GEOCHEMICAL REPORT
GAP (2276)
JAN. 11th 1988

1859
PART 1
OF 2

GEOCHEMICAL REPORT

ON CLAIM

2276 (GAP)

SITUATED AT CAMBORNE

IN THE

REVELSTOKE MINING DIVISION

LATITUDE 50° 41.5'
LONGITUDE 117° 39.5'

N.T.S. 82-K/13-E

HELD UNDER OPTION BY:

GRANGES EXPLORATION LTD.
23RD FLOOR
885 WEST GEORGIA STREET
VANCOUVER, B.C.
V6C 3E8

JANUARY 11, 1988

G.W. ZBITNOFF
(A.L. NAUSS)

ARIS SUMMARY SHEET

District Geologist, Nelson Off Confidential: 89.01.12

ASSESSMENT REPORT 16859 MINING DIVISION: Revelstoke

PROPERTY: Gap
LOCATION: LAT 50 46 11 LONG 117 38 00
UTM 11 5624190 455338
NTS 082K13E
CLAIM(S): Gap,Gap I
OPERATOR(S): Granges Ex.
AUTHOR(S): Zbitnoff, G.
REPORT YEAR: 1988, 24 Pages
COMMODITIES
SEARCHED FOR: Gold
GEOLOGICAL
SUMMARY: The claims are underlain by metamorphic rocks of the Cambrian-Devonian Lardeau Group which also includes the Broadview Formation.
WORK
DONE: Geochemical
LINE 8.1 km
SOIL 254 sample(s) ;ME
Map(s) - 1; Scale(s) - 1:5000

TABLE OF CONTENTS

ENCLOSURES

INTRODUCTION:

The mineral claim Gap (2276) is located in the Revelstoke Mining Division, British Columbia. The property lies about 4 air kilometers north of Camborne, B.C. and about 35 km southeast of Revelstoke at latitude 50°, 49.5'N and longitude 117°, 39.5'W on mapsheet 82K/13E of the National Topographic System.

Road access to the property is very good as it is situated within an active logging area, with well-maintained haulage roads and branch roads throughout much of the property. The claim is accessible by road from the TransCanada Highway at Revelstoke and from B.C. Highway No. 23 from Revelstoke and Nakusp.

The claim is located in the rugged Selkirk Mountain system. Much of the property consists of heavily timbered and logged-over slopes with some rock bluffs and more open alpine areas at higher elevations. Most of the rock outcrop is covered by a heavy layer of moss, making prospecting and geological mapping a slow process.

The area has a high snowfall, but due to a southeastern exposure is usually snowfree from early May until late October.

GEOLOGY:

The claim is underlain by metamorphic rocks of the early Paleozoic Lardeau group of phyllites and altered greenstone. It includes the Broadview formation which trends in a general northwest direction for 100 miles and is host rock to many prospects and former producing mines. Gold is the principal economic mineral found in quartz veins and altered rock.

GEOCHEMICAL SAMPLING:

7.05 kilometers of linecutting were completed on the Gap I claim, establishing a grid for the collection of soil samples. A total of 254 soil samples were collected and analyzed as follows:

"B" horizon soil samples were taken where available. Sample depths varied between 5 cm and 30 cm. The samples were analysed by Echo Tech Laboratories of Kamloops, B.C.

ICP analysis was conducted on the samples whereby a .500 gram sample is digested with 3 ml 3-1-2 HCL-HNO3-H2O at 95 degrees for one hour and is diluted to 10 ml with water. This leach is partial for Mn, Fe, Ca, P, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Si, Zr, Ce, Sn, Y, Nb and Ta. Au detection limit by ICP is 3 ppm therefore Au analysis is done by AA from 10 gram sample.

RESULTS:

Numerous geochemical anomalies were encountered and are being followed up with prospecting.

BREAKDOWN OF EXPENDITURES:

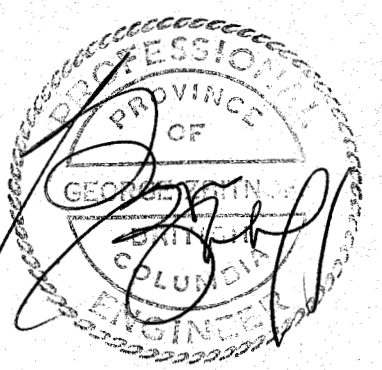
Claim 2276 (GAP)

Assays:	254 samples @ $12.65 per sample	$ 3,213.10

Echo-Tech Laboratories Ltd.
10041 E. Trans Canada Hwy.
R.R. #2, Kamloops, B.C.
V2C 2J3

Personnel:

T. Aarnoudse	11 days @ $63.25/day	$ 695.75
R. Fowlie	4 days @ $69.00/day	$ 276.00
R. Brown	9 days @ $63.25/day	$ 569.25
D. Corneliuson	5 days @ $86.25/day	$ 431.25
B. Linden	9 days @ $63.25/day	$ 569.25
Board & Lodging:	38 man days @ $40.00/day	$ 1,520.00
Report Preparation & Drafting:		
A.L. Nauss and C. Ulanday	1/2 day @ $105.00	$ 105.00
TOTAL		$ 7,379.60



STATEMENT OF QUALIFICATIONS
GEORGE W. ZBITNOFF
5160 CLIFF PLACE
DELTA, B.C.

Name: Zbitnoff, George William

Birth Date: August 15, 1938

Birthplace: Saskatoon, Saskatchewan

Graduated with Grade 12 matriculation from Blaine Lake High School in 1955.

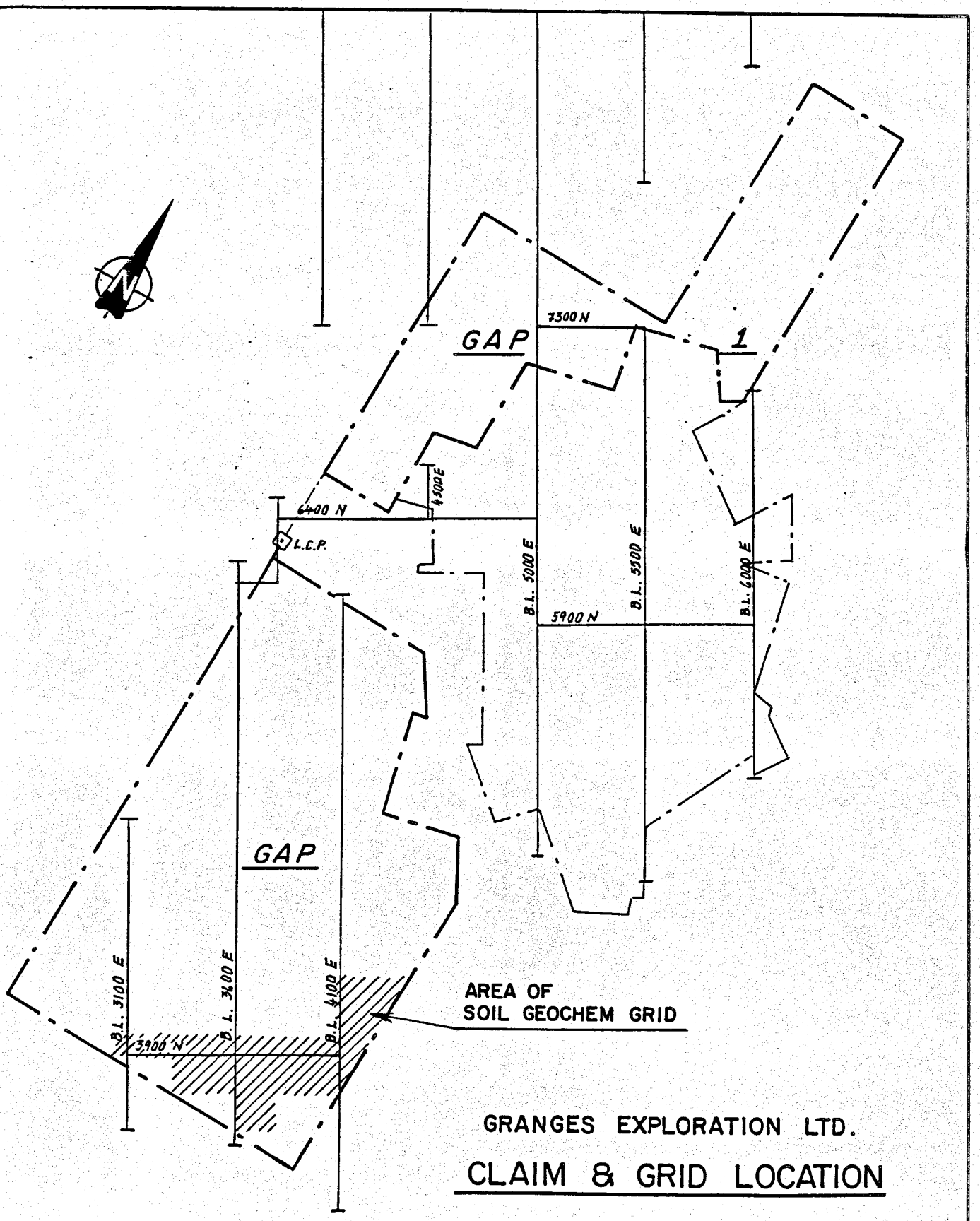
Graduated from University of Saskatchewan with a B.A. (Geology and chemistry majors) in 1963.

Professional Associations:

- Member of the Association of Professional Engineers of the Province of Manitoba.
- Member of the Association of Professional Engineers of the Province of British Columbia since 1973.
- Member of the Canadian Institute of Mining and Metallurgy.

Experience:

- Pre-graduation experience in geology with the Department of Mineral Resources of Saskatchewan.
- May 1962 - Two and one half years, field geologist with Hudson Bay Exploration and Development, Flin Flon area.
- January 1965 - Six years, field and resident geologist with Noranda Exploration Ltd., Flin Flon area.
- February 1971 - Twelve and one half years, Assistant Manager, Granges Exploration Aktiebolag in Vancouver, B.C.
- November 1983 to present - Vice President Exploration, Granges Exploration Ltd. in Vancouver, B.C.
- Active geological experience in all provinces of Canada and parts of the United States and Mexico.
- Participated in the discovery of Trout Lake Mine.



GRANGES EXPLORATION LTD.

CLAIM & GRID LOCATION

GAP OPTION

REVELSTOKE MINING DIVISION, B.C.

0 500 1000 1500 2000

METRES

SCALE: 1 : 2 500 DATE: OCT., 1987

Paid #LOJ 10?

GAP TO BE PLOTTED FOR ASSESSMENT

Eco-Tech LABORATORIES LTD.

ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

October 26, 1987

CERTIFICATE OF ANALYSIS ETK 87-587

CLIENT: Granges Exploration Ltd.
2300, 885 West Georgia Street
VANCOUVER, B.C.
V6C 3E8

ATTENTION: Mr. George Zbitnoff

SAMPLE IDENTIFICATION: 136 soil samples received October 14, 1987
PROJECT: 224/229
NOTE: Arsenics to follow

ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
587 - 1	13000N 4000E	5	.1	17	26	51
587 - 2	4025E	10	.2	23	39	72
587 - 3	4050E	5	.3	23	42	82
587 - 4	4075E	10	.2	23	36	49
587 - 5	4100E	25	.1	39	33	81
587 - 6	4125E	10	.1	29	20	67
587 - 7	4150E	10	.1	30	35	112
587 - 8	4175E	20	.2	30	40	112
587 - 9	4200E	10	.1	30	23	87
587 - 10	4225E	15	.4	29	35	78
587 - 11	4250E	15	.4	40	28	103
587 - 12	4275E	10	.6	37	22	75
587 - 13	4300E	15	.3	32	21	68
587 - 14	4325E	25	.2	29	22	62
587 - 15	4350E	30	1.2	29	32	58
587 - 16	4375E	30	.1	35	21	59
587 - 17	4400E	20	1.1	26	21	48
587 - 18	4425E	15	.5	32	24	71
587 - 19	4450E	15	1.0	27	20	63
587 - 20	4475E	15	.6	24	16	49

WINDFL (224 GAP 229)

Granges Exploration Ltd. October 26, 1987

ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
587 - 21	4500E	15	.2	19	15	39
587 - 22	4500E/BL	20	.3	25	26	48
587 - 23	4525E	20	1.6	24	35	59
587 - 24	4550E	10	1.2	27	39	62
587 - 25	4575E	45	.5	26	31	63
587 - 26	4600E	15	.5	40	45	83
587 - 27	4625E	35	.3	50	40	100
587 - 28	4650E	15	.6	31	26	59
587 - 29	4675E	20	.9	32	33	77
587 - 30	4700E	10	1.4	28	39	69
587 - 31	4725E	30	1.1	28	30	68
587 - 32	4750E	15	.4	30	40	76
587 - 33	4775E	5	.8	26	17	49
587 - 34	4800E	5	.5	26	20	52
587 - 35	4825E	10	.7	25	32	63
587 - 36	4850E	10	.6	24	20	43
587 - 37	4875E	5	.8	24	25	43
587 - 38	4900E	5	.5	25	41	72
587 - 39	4925E	15	.2	22	23	41
587 - 40	3800N 3675E	10	.5	28	36	55
587 - 41	3700E	5	.8	14	30	46
587 - 42	A 3725E	10	.9	17	33	47
587 - 43	B 3725E	10	.4	24	18	23
587 - 44	A 3750E	10	.4	25	46	80
587 - 45	B 3750E	5	.4	23	48	62
587 - 46	3775E	10	.6	31	54	112
587 - 47	3800E	5	1.3	28	41	58
587 - 48	3825E	5	.7	17	19	38
587 - 49	3850E	5	1.6	27	29	59
587 - 50	3875E	10	.2	21	32	61
587 - 51	3900E	5	.2	20	31	75
587 - 52	3925E	5	.2	22	30	82
587 - 53	3950E	5	.5	22	37	69
587 - 54	3975E	5	.6	23	42	78
587 - 55	4000E	5	.4	26	34	75

GAP (229) to be followed

Granges Exploration Ltd.

October 26, 1987

ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
587 - 56	4025E	5	.1	42	46	154
587 - 57	4050E	10	.3	22	38	84
587 - 58	4075E	10	.9	26	28	78
587 - 59	4100E	5	.6	23	25	59
587 - 60	4125E	10	.4	33	28	86
587 - 61	4150E	10	.4	25	22	64
587 - 62	4175E	10	.3	40	29	107
587 - 63	4200E	5	.3	27	31	115
587 - 64	3850N 3600E	10	.9	37	24	47
587 - 65	3625E	10	.3	23	26	49
587 - 66	3650E	10	.2	30	54	85
587 - 67	3675E	10	.5	33	28	84
587 - 68	3700E	10	.7	35	38	89
587 - 69	3725E	10	.6	43	40	143
587 - 70	3750E	5	.1	41	35	124
587 - 71	3775E	10	.2	20	19	51
587 - 72	3800E	10	.6	18	21	40
587 - 73	3825E	10	.8	22	22	38
587 - 74	3850E	10	.4	29	39	89
587 - 75	3875E	15	.4	34	37	67
587 - 76	3900E	15	.3	32	38	96
587 - 77	3925E	15	.3	22	38	68
587 - 78	3950E	15	.2	24	29	70
587 - 79	3975E	20	.6	21	39	63
587 - 80	4000E	20	.4	16	29	29
587 - 81	4025E	15	2.0	19	41	25
587 - 82	4050E	15	.4	33	33	73
587 - 83	4075E	15	1.1	23	20	55
587 - 84	4125E	15	.3	17	27	38
587 - 85	4150E	15	.2	23	25	58
587 - 86	4175E	10	.3	32	39	133
587 - 87	4200E	5	.2	26	32	99
587 - 88	3900N 3025E	5	<.1	37	15	73
587 - 89	3050E	5	<.1	52	19	79
587 - 90	3075E	<5	.6	29	18	31

ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
587 - 91	3100E	5	.1	22	23	34
587 - 92	3125E	5	<.1	24	24	58
587 - 93	3150E	5	<.1	28	27	56
587 - 94	3175E	5	.2	27	31	75
587 - 95	3200E	5	.4	43	24	39
587 - 96	3225E	5	.4	20	31	34
587 - 97	3250E	5	<.1	28	20	76
587 - 98	3275E	10	<.1	21	32	52
587 - 99	3300E	10	<.1	25	34	44
587 - 100	3325E	5	<.1	32	32	70
587 - 101	3350E	10	<.1	18	37	42
587 - 102	3375E	5	<.1	33	34	63
587 - 103	3400E	5	<.1	23	30	58
587 - 104	3425E	5	<.1	22	18	71
587 - 105	3450E	5	.9	46	62	73
587 - 106	3475E	10	.3	27	41	99
587 - 107	3500E	10	.1	32	29	62
587 - 108	3525E	<5	.2	20	21	31
587 - 109	3550E	5	.4	18	23	41
587 - 110	3575E	5	.3	19	23	42
587 - 111	3600E	5	.2	22	30	43
587 - 112	3625E	5	.5	13	26	56
587 - 113	3650E	5	.3	11	12	36
587 - 114	3675E	5	.1	13	16	37
587 - 115	3700E	5	.2	19	23	36
587 - 116	3725E	10	.1	27	34	67
587 - 117	3750E	10	.4	24	36	56
587 - 118	3775E	5	.2	22	27	37
587 - 119	3800E	10	.3	21	43	46
587 - 120	3825E	5	<.1	38	40	117
587 - 121	3850E	10	<.1	29	35	109
587 - 122	3875E	5	.3	20	27	57
587 - 123	3900E	10	.9	29	41	55
587 - 124	3925E	10	.4	19	28	55
587 - 125	3950E	15	.8	20	45	96

Granges Exploration Ltd. October 26, 1987

ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
587 - 126	3975E	10	.3	4	29	11
587 - 127	4000E	10	.5	15	33	30
587 - 128	4025E	10	.3	11	38	31
587 - 129	4050E	15	.5	16	34	31
587 - 130	4075E	25	.5	28	48	72
587 - 131	4100E	10	.9	19	34	42
587 - 132	4125E	15	.4	18	39	42
587 - 133	4150E	15	.4	15	33	27
587 - 134	4175E	15	1.9	26	14	36
587 - 135	4200E	10	.8	25	19	37
587 - 136	4225E	<5	.6	26	18	38

NOTE: < = less than

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.,
Laboratory Manager

FJP/jmb

c.c. Granges Exploration
c/o Greyhound
REVELSTOKE, B.C.
Attention: Pat Deveaux
"Hold for Pickup"

GAP OPTION JL PLOTTED

Eco-Tech LABORATORIES LTD.

ENVIRONMENTAL TESTING
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ASSAYING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

November 3, 1987

CERTIFICATE OF ANALYSIS ETK 87-615

CLIENT: Granges Exploration Ltd.
2300, 885 West Georgia Street
VANCOUVER, B.C.
V6C 3E8

ATTENTION: Mr. George Zbitnoff

SAMPLE IDENTIFICATION: 42 soil samples received October 26, 1987
PROJECT: GAP
NOTE: Arsenics to follow

ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
615 - 1	40500N 4100E	5	4.0	34	34	90
615 - 2	4125E	<5	.6	15	36	45
615 - 3	4150E	5	.4	13	29	46
615 - 4	Should be 4050N 4200E	5	.3	10	43	84
615 - 5	4225E	5	.2	22	20	50
615 - 6	4250E	10	.4	28	28	82
615 - 7	4275E	<5	.2	11	29	52
615 - 8	4300E	10	.3	10	21	31
615 - 9	4325E	5	.3	15	34	69
615 - 10	4100N 4100E	5	.2	83	21	38
615 - 11	4125E	40	.6	81	27	36
615 - 12	4150E	10	.2	10	25	425
615 - 13	4175E	5	.3	8	39	65
615 - 14	4200E	20	.1	11	27	113
615 - 15	4225E	10	1.1	10	21	32
615 - 16	4250E	5	.7	12	24	49
615 - 17	4275E	15	.3	17	27	74
615 - 18	4300E	15	.6	38	29	93
615 - 19	4325E	5	.4	1	21	53
615 - 20	4150N 4100E	5	.7	15	33	96

Granges Exploration Ltd.

November 3, 1987

ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
615 - 21	4125E	10	.3	18	37	47
615 - 22	4150E	5	.4	14	27	68
615 - 23	4175E	<5	.7	8	25	49
615 - 24	4200E	<5	.4	14	24	75
615 - 25	4225E	<5	.7	12	26	78
615 - 26	4250E	5	.4	13	21	52
615 - 27	4275E	5	.5	13	30	94
615 - 28	4300E	5	.3	12	21	64
615 - 29	4325E	10	1.9	10	28	52
615 - 30	4350E	5	.7	19	18	76
615 - 31	4375E	5	.5	10	20	52
615 - 32	4200N 4125E	5	.6	10	29	64
615 - 33	4150E	5	.5	12	33	51
615 - 34	4175E	5	.4	16	29	94
615 - 35	4200E	5	.8	7	19	35
615 - 36	4225E	5	.2	8	20	43
615 - 37	4250E	10	.4	9	15	32
615 - 38	4275E	<5	.7	18	30	64
615 - 39	4300E	<5	2.5	16	16	41
615 - 40	4325E	<5	1.7	16	22	54
615 - 41	4350E	5	.5	17	16	102
615 - 42	4375E	15	.6	32	23	100

NOTE: < = less than

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.,
Laboratory Manager

FJP/jmb
c.c. Granges Exploration
c/o Greyhound
REVELSTOKE, B.C.
Attention: Pat Deveaux
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ASSAYING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

November 27, 1987

CERTIFICATE OF ANALYSIS ETK 87-677

CLIENT: Granges Exploration Ltd.
2300, 885 West Georgia Street
VANCOUVER, B.C.
V6C 3E8

GAP OPTION
Geochem

ATTENTION: Mr. George Zbitnoff

SAMPLE IDENTIFICATION: 53 soil samples received November 17, 1987
PROJECT: 229
NOTE: Arsenics to follow

ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
677 - 1	3750 3600E	<5	.1	6	14	10
677 - 2	3625E	<5	1.0	43	51	164
677 - 3	3650E	5	.5	19	28	39
677 - 4	3675E	5	.5	26	36	51
677 - 5	3700E	<5	.4	8	33	12
677 - 6	3725E	<5	1.1	16	20	30
677 - 7	3750E	5	5.1	223	209	256
677 - 8	3775E	<5	1.3	15	21	31
677 - 9	3825E	<5	.3	18	25	45
677 - 10	3850E	ORGANICS				
677 - 11	3875E	<5	<.1	34	31	98
677 - 12	3900E	ORGANICS				
677 - 13	3950E	ORGANICS				
677 - 14	4000E	<5	.2	23	30	124
677 - 15	4025E	15	.1	15	16	19
677 - 16	4075E	5	.1	23	27	22
677 - 17	4100E	<5	.1	17	23	45
677 - 18	4125E	<5	.1	26	33	124
677 - 19	4175E	5	.3	28	44	144
677 - 20	3700 N 3300E	<5	.6	42	27	36

Granges Exploration Ltd. November 27, 1987

ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
677 - 21	3325E	<5	.3	18	30	34
677 - 22	3350E	<5	.2	15	23	39
677 - 23	3375E	ORGANICS				
677 - 24	3400E	5	.2	22	22	32
677 - 25	3450E	<5	.6	20	19	51
677 - 26	3475E	<5	.1	28	9	92
677 - 27	3500E	<5	.2	23	15	46
677 - 28	3525E	<5	.2	30	29	60
677 - 29	3550E	<5	.1	10	16	19
677 - 30	3950 N 3100E	<5	.1	18	20	67
677 - 31	3125E	5	.1	18	23	36
677 - 32	3150E	<5	.6	25	26	51
677 - 33	3175E	<5	.3	25	33	52
677 - 34	3225E	<5	.5	34	28	62
677 - 35	3250E	ORGANICS				
677 - 36	3275E	ORGANICS				
677 - 37	3375E	<5	.3	30	22	49
677 - 38	3400E	<5	.2	28	27	62
677 - 39	3425E	<5	.5	31	31	124
677 - 40	3450E	<5	.3	21	21	47
677 - 41	3475E	<5	.2	22	22	64
677 - 42	3500E	<5	.4	16	16	35
677 - 43	3550E	5	.4	21	21	39
677 - 44	3575E	<5	.7	16	16	35
677 - 45	3600 N 3600E	<5	.2	7	7	13
677 - 46	3625E	<5	.4	14	14	27
677 - 47	3650E	ORGANICS				
677 - 48	3675E	<5	.3	15	15	34
677 - 49	3700E	<5	<.1	32	32	70
677 - 50	3650 N 3600E	<5	.2	10	10	30
677 - 51	3625E	<5	.1	14	14	29
677 - 52	3650E	<5	.1	6	6	17
677 - 53	3700E	<5	.1	9	9	37

NOTE: < = less than

ECO-TECH LABORATORIES LTD.
PER Frank J. Pezzotti, A.Sc.T.,
Laboratory Manager

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10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

December 1, 1987

CERTIFICATE OF ANALYSIS ETK 87-678

CLIENT: Granges Exploration Ltd.
2300, 885 West Georgia Street
VANCOUVER, B.C.
V6C 3E8

ATTENTION: Mr. George Zbitnoff

SAMPLE IDENTIFICATION: 88 soil samples received November 17, 1987
PROJECT: 229
NOTE: Arsenics to follow

ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
678 - 1	4250 N 4100E	<5	.5	41	30	92
678 - 2	4125E	<5	.4	23	34	63
678 - 3	4150E	<5	.6	8	23	24
678 - 4	4175E	<5	.9	24	29	72
678 - 5	4200E	<5	2.3	15	26	59
678 - 6	4225E	<5	1.7	31	33	83
678 - 7	4250E	<5	1.4	15	32	41
678 - 8	4275E	<5	.2	18	25	43
678 - 9	4300E	<5	.5	17	27	54
678 - 10	4325E	<5	.3	8	12	20
678 - 11	4350E	<5	.7	39	19	37
678 - 12	4375E	<5	1.8	16	29	39
678 - 13	4400E	<5	1.1	28	18	79
678 - 14	4425E	<5	.7	11	23	21
678 - 15	4450E	<5	.5	15	31	44
678 - 16	3750 N 3300E	<5	.1	16	28	41
678 - 17	3350E	10	.7	30	16	25
678 - 18	3400E	<5	.3	17	28	52
678 - 19	3425E	<5	.1	29	22	99
678 - 20	3450E	5	.1	17	27	50

Granges Exploration Ltd.

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ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
678 - 21	3475E	<5	.3	27	28	63
678 - 22	3500E	<5	.2	14	32	60
678 - 23	3525E	15	.1	8	15	22
678 - 24	3550E	<5	.3	11	17	22
678 - 25	3575E	<5	.3	16	17	28
678 - 26	3950 N 4100E	<5	.1	8	14	15
678 - 27	4125E	<5	.6	18	16	27
678 - 28	4150E	ORGANICS				
678 - 29	4175E	5	.3	5	10	15
678 - 30	4200E	<5	.2	7	10	18
678 - 31	4225E	<5	.4	36	28	58
678 - 32	4250E	<5	.5	13	19	33
678 - 33	4275E	<5	.4	16	20	33
678 - 34	3950 N 3600E	<5	.5	15	20	34
678 - 35	3625E	<5	.3	10	16	35
678 - 36	3650E	<5	.3	19	30	58
678 - 37	3675E	<5	.6	24	34	59
678 - 38	3700E	<5	1.1	37	32	69
678 - 39	3725E	<5	.2	24	30	96
678 - 40	3750E	<5	.2	32	31	90
678 - 41	3775E	ORGANICS				
678 - 42	3800E	<5	.7	25	27	64
678 - 43	3825E	ORGANICS				
678 - 44	3850E	<5	.1	22	24	41
678 - 45	3875E	ORGANICS				
678 - 46	3900E	<5	.3	18	28	40
678 - 47	3925E	<5	.2	11	19	33
678 - 48	3950E	<5	.1	9	9	27
678 - 49	3975E	<5	.3	11	15	12
678 - 50	4000E	20	.2	13	18	32
678 - 51	4025E	20	.4	17	27	38
678 - 52	4100E	30	.7	33	24	46
678 - 53	4000 N 4150E	30	.2	36	44	101
678 - 54	4175E	20	.7	18	25	39
678 - 55	4200E	25	.5	22	27	45

Granges Exploration Ltd.

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ETK#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
678 - 56	4225E	20	.1	7	9	19
678 - 57	4250E	15	.6	5	18	18
678 - 58	4275E	10	.1	14	21	33
678 - 59	4100E	<5	.6	8	11	16
678 - 60	4150E	15	.3	16	22	16
678 - 61	4175E	10	1.1	9	14	29
678 - 62	4200E	15	.7	30	28	93
678 - 63	4250E	15	1.0	15	21	37
678 - 64	4300E	10	.2	14	21	36
678 - 65	4350E	<5	.3	16	27	31
678 - 66	4375E	5	.5	12	22	25
678 - 67	4400E	<5	1.2	18	34	49
678 - 68	4425E	10	.2	22	58	65
678 - 69	4450E	<5	1.7	14	21	50
678 - 70	3700 N 3600E	5	.3	12	10	21
678 - 71	3700E	5	.3	17	19	41
678 - 72	3725E	5	.1	29	27	78
678 - 73	3750E	5	.3	16	23	36
678 - 74	3800E	10	.5	54	35	116
678 - 75	3825E	<5	1.2	16	21	36
678 - 76	3850E	5	.5	29	33	71
678 - 77	3875E	5	.1	17	25	31
678 - 78	3900E	10	.1	18	27	73
678 - 79	3925E	5	.3	22	25	53
678 - 80	3950E	ORGANICS				
678 - 81	3975E	5	.2	11	29	40
678 - 82	4000E	ORGANICS				
678 - 83	4050E	10	.2	21	27	73
678 - 84	4075E	5	.2	30	16	118
678 - 85	4100E	<5	.1	19	15	23
678 - 86	4125E	<5	.3	22	31	64
678 - 87	4150E	5	.2	19	25	39
678 - 88	3700 N 3775E	<5	.1	5	8	10

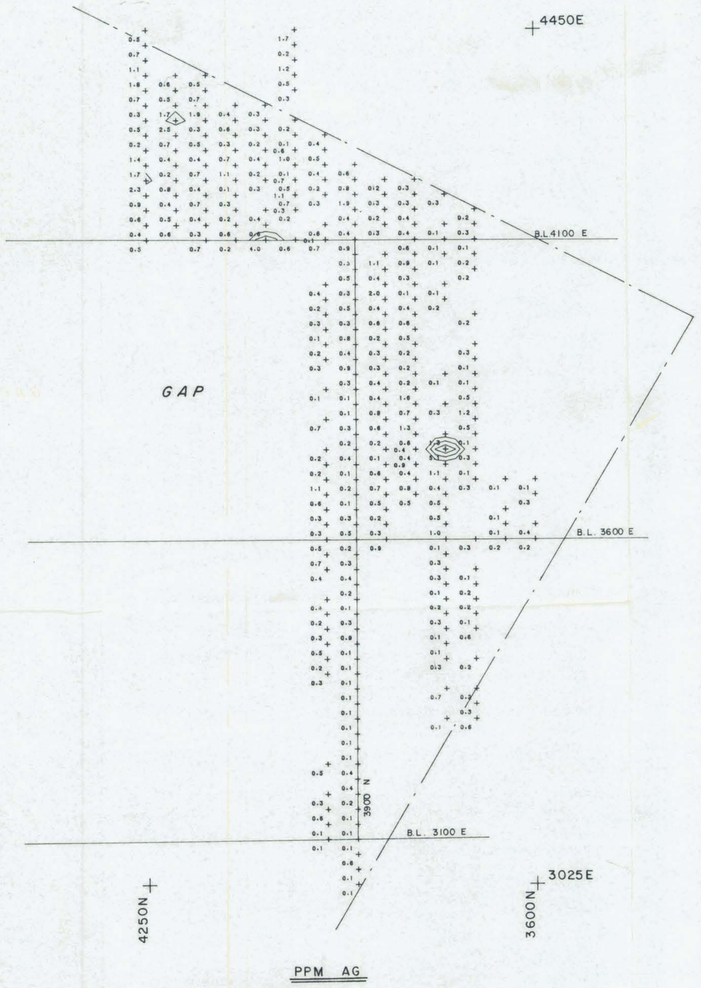
NOTE: < = less than

ECO-TECH LABORATORIES LTD.
Frank J. Fezzotti, A.Sc.T.,
Laboratory Manager

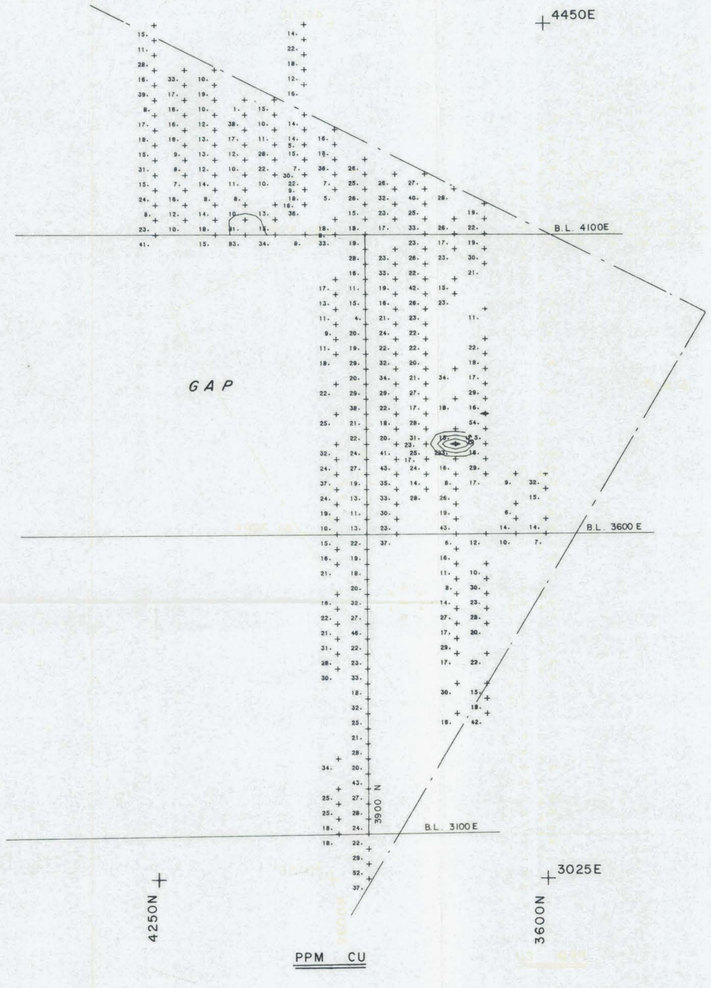
FJP/jmb

c.c. Granges Exploration
c/o Greyhound
REVELSTOKE, B.C.
Attention: Pat Deveaux

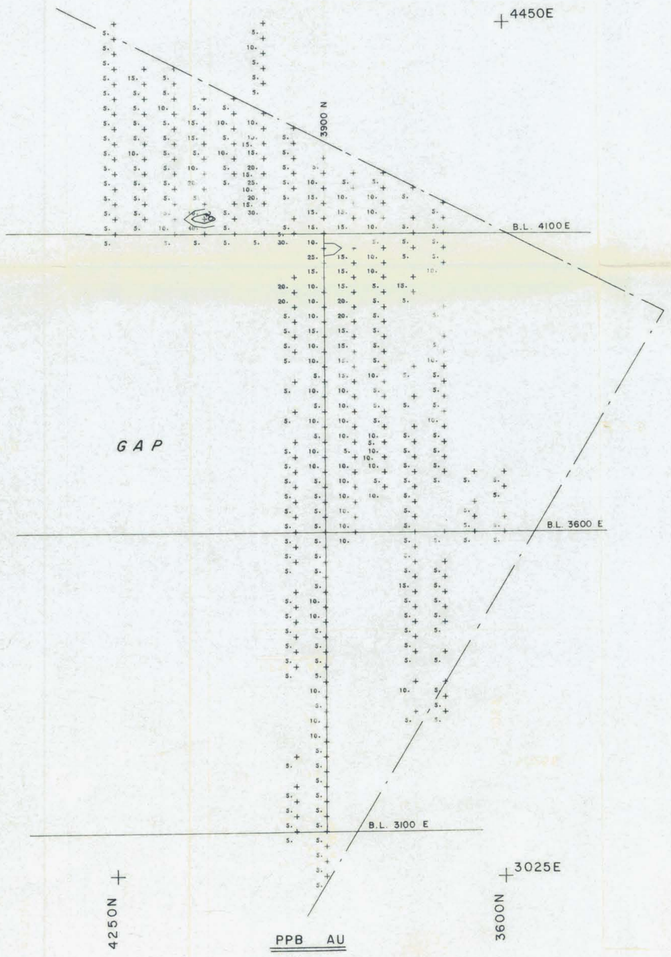
Eco-Tech LABORATORIES LTD.



PPM AG



PPM CU



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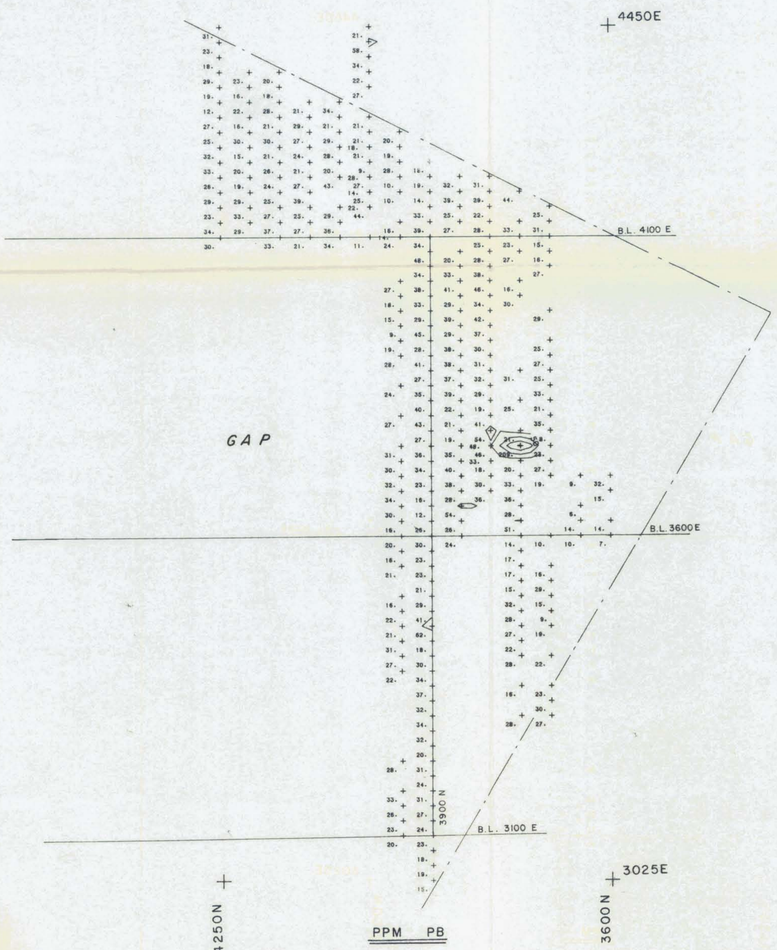

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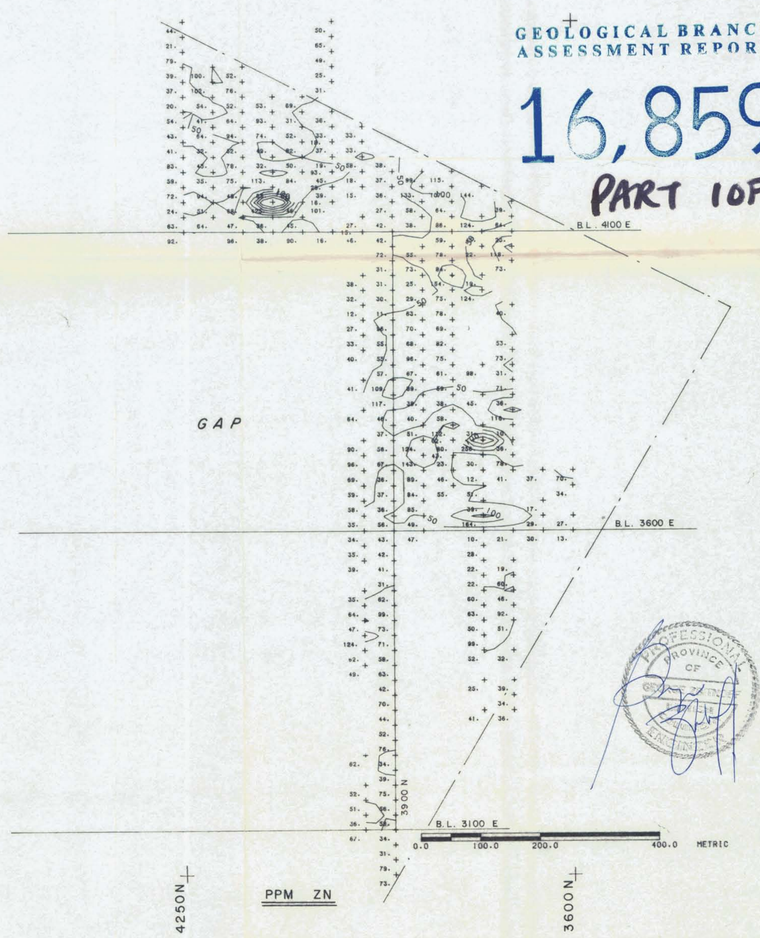

PPM ZN

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,859

PART 10F2

SURVEYED BY: FROM ETK 587 (40 TO 136), ETK 615, ETK 677, ETK 678	DRAWN BY: CU	GRANGES EXPLORATION LTD. VANCOUVER OFFICE	SOIL GEOCHEM AU. AG. CU. PB. ZN GAP OPTION TROUT LAKE AREA REVELSTOKE MINING DIVISION. B.C.	SCALE: 5000
DATE SAMPLED: OCT. -1987	DATE: 12/07/87			PROJECT NO.: 229
				N.T.S NO.: 82K 13E