091909

1986 ASSESSMENT REPORT

TITLE:	Spencer Creek Geochemical Report
CLAIMS:	Head 1-14
AUTHORS:	D.B. Fleming
DATE:	January, 1987
COMMODITY:	Pb, Ag

LOCATION:

- Area	16 Km. northeast of Rancheria, Y.T. 93 Km. west of Watson Lake, Y.T.
- Mining District	Watson Lake
- Co-ordinates	Latitude 60°10'N Longitude 130°21'W
- NTS	105 B-1

OWNER:	Canamax Resources Inc.
OPERATOR:	Canamax Resources Inc.

CANAMAX VANCOUVER OFFICE

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FIGURES

SUMMARY

This report presents the results of the 1986 soil sampling program on the Head 1-14 claims, located in the Cassiar Mountains, 93 kilometres west of Watson Lake, Yukon. Access is by a four-wheel-drive road which extends north from the Alaska Highway.

The 1986 program consisted of soil sampling a 1,400 by 1,200 metre area covering northeast-striking Lower Cambrian carbonate. The work extended 1984 geochemical coverage to the northeast, further delineating previously-established lead soil anomalies. A total of 191 soil samples were collected at 50 metre intervals on lines 200 metres apart and analyzed for Ag, Zn and Pb.

Two 1.0 kilometre long linear lead soil anomalies (>300 ppm Pb), trending north-northeast and northeast, have been outlined to date. The anomaly to the west occurs near the carbonate-phyllite contact and the anomaly in the northeast corner of the property is believed to be entirely underlain by limestone and/or dolomite.

CONCLUSIONS AND RECOMMENDATIONS

The western lead soil anomaly, with samples ranging up to 1,160 ppm Pb, appears to reflect weakly anomalous fault breccia and sparse fracture-controlled galena in massive limestone and dolomite.

A second lead soil anomaly in the northeast corner of the property is parallel to several faults and is most likely related to sparse mineralization similar to that farther west.

It is recommended that both anomalies be further evaluated by prospecting and, if warranted, limited trenching by hand or bulldozer.

INTRODUCTION

Location and Access

The Spencer Creek property is located on the eastern side of the Cassiar Mountains, 94 kilometres west of the town of Watson Lake, Yukon (Figure 1). A four-wheel-drive road extending west from the Alaska Highway passes through the northern part of the property.

Helicopters are available year-round from Watson Lake.

Claims

The Head 1-42 claims (Figure 2), located in the Watson Lake Mining District, were staked on January 27, 1984 and recorded on February 10, 1984. Geological and geochemical assessment work, filed in November, 1984, resulted in a common expiry date of February 10, 1988 for the Head 1-42 claims.

Geochemical assessment work in 1986 was restricted to the Head 1-14 claim block.

Expiry date for the Head 1-14 claims, following acceptance of assessment work described in this report, will be February 10, 1990.

1986 Program

Soil sampling of a 1,400 by 1,200 metre area, adjoining a 1984 geochemical grid to the northeast, was carried out by Lorne Rowan and David Kelsch (assistants) under the supervision of Dave Fleming, project geologist. The work was carried out in the period July 24-26, 1986. An existing

EXPIRY DATE FOR HEAD CLAIMS

ARE AS FOLLOWS

1 to 8 10 FEB 88

9 to 12 10 FEB 89

13 to 48 10 FEB 88.

d not as indicated on Page 2.

CANAMAX RESOURCES INC.

SPENCER CREEK PROPERTY
HEAD CLAIMS
WATSON LAKE MINING DISTRICT — YUKON TERRITORY

LOCATION MAP

SCALE 200 0 200 KILOMETRES
100 0 100 MILES

N. T. S. Ref. 105 B I

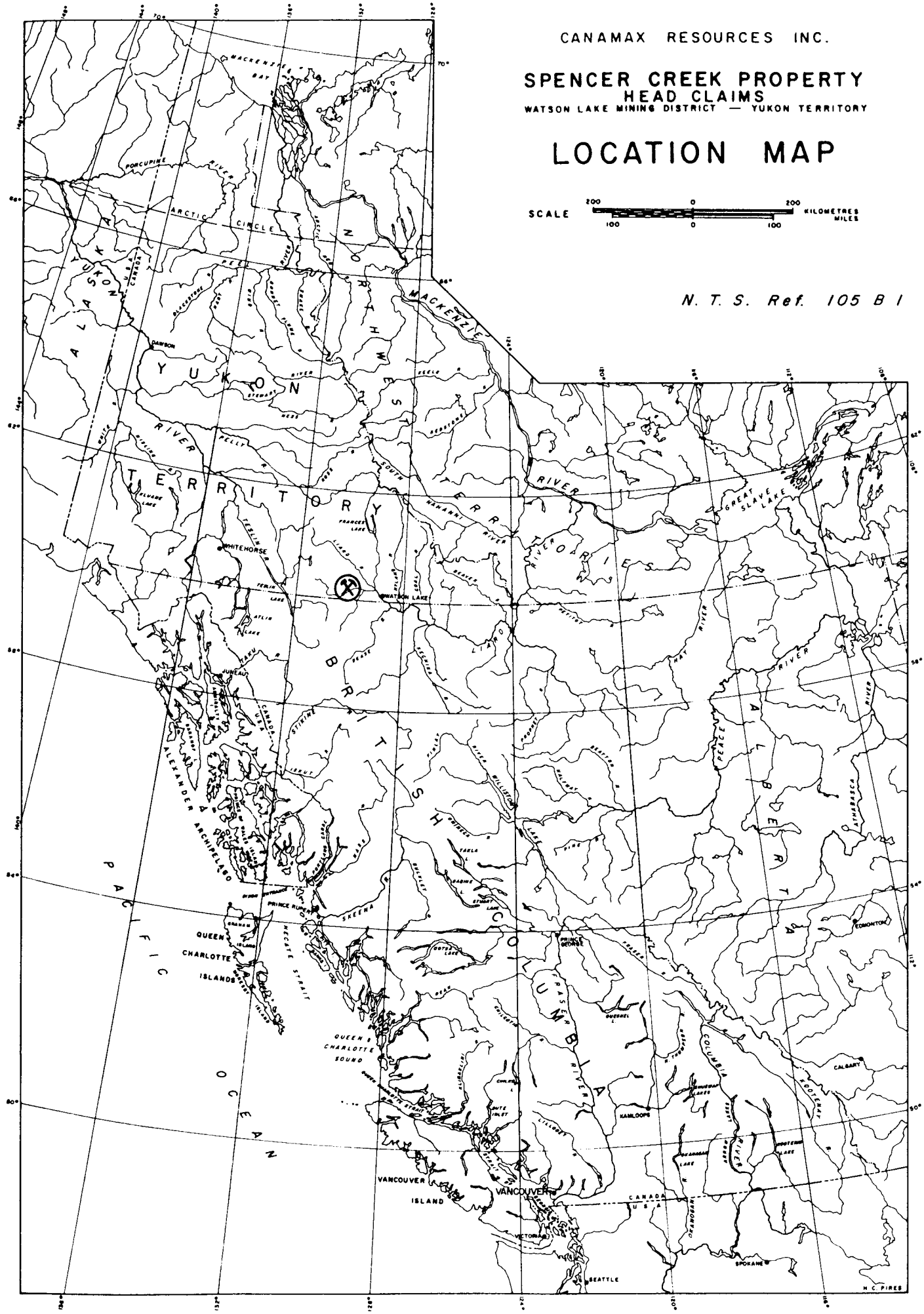
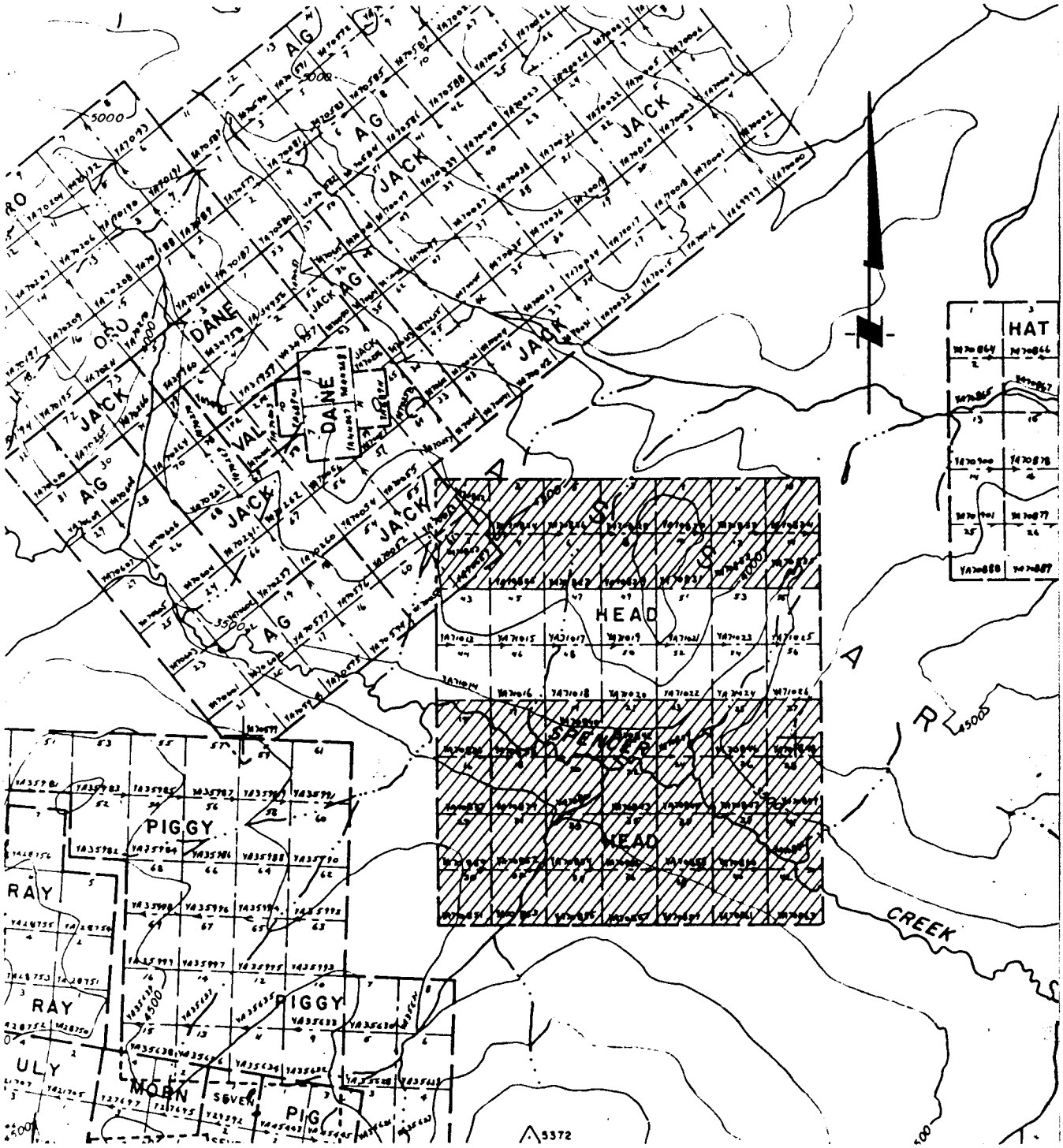


FIG. 1



CANAMAX RESOURCES INC.

SPENCER CREEK PROPERTY
HEAD CLAIMS
WATSON LAKE MINING DISTRICT — YUKON TERRITORY

CLAIM MAP

SCALE 2 0 2 KILOMETRES
MILES
1 : 50,000

Vancouver —

N. T. S. Ref. 105 B/1

FIG. 2

1:10,000 topographic base map was used for survey control. 1986 sample locations and analytical results for lead (in ppm) are plotted at 1:10,000 along with 1984 sample sites and lead analytical results (Figure 3). The 1986 sample sites are prefixed by '86' and were collected on lines 16N to 28N.

GEOLOGY

Regionally, northwest-striking Lower Cambrian clastic and carbonate strata have been intruded by the quartz monzonite Cassiar Batholith of Cretaceous age. The thermal aureole is up to several kilometres wide and appears to extend as far as the western edge of the Spencer Creek Property.

The property is underlain by green-gray non-calcareous phyllite and massive light gray, fine-grained limestone that is locally converted to orange weathering, medium-grained dolomite. The carbonate is a resistant cliff-forming unit, up to 1,000 metres thick, that strikes northeast across the claim block and dips moderately to the east.

A number of northeast and northwest faults have been recognized as well as two northwesterly-striking 1-2 metre biotite granite dykes at 10N, 10+50W and 5N, 5+00W.

Trace amounts of galena and manganese oxide occurs along northeast-trending joint faces in limestone at the cliff-forming exposure at 16N, 14+50W. Siderite and calcite fault breccia along the trace of a northeast fault at 14N, 11+75E is anomalous in lead (430 ppm). To the southeast, disseminated galena was noted in limestone east of the Head 27 claim.

GEOCHEMISTRY

General Remarks

A total of 191 soil samples were collected on and proximal to the Head 1-14 claim block. Samples were collected at 50 metre intervals along hip-chained and flagged lines spaced 200 metres apart. Samplers were instructed to collect "B" horizon soils which were placed in Kraft paper bags and sent to Rossbacher Laboratory in Burnaby, B.C., where they were analyzed for Ag, Zn and Pb. Geochemical analytical methods used are described in Appendix III.

Angular chips of limestone and phyllite in the soil indicate that it is of local origin, although rounded boulders at elevations below 1,300 metres are evidence of some glacially-transported material.

Results

1986 silver, zinc and lead results are summarized below:

	Ag (ppm)	Zn (ppm)	Pb (ppm)
Range	0.2-6.0	24-700	12-3480
Threshold	1.0	250	300

Threshold values were determined from follow-up work on 1984 samples and from visual inspection.

Lead provides the most definitive pattern of anomalous sample sites (Figure 3). A 1,000 metre long linear anomaly stretches northeast from 16N, 4+50W to 24N, 3+50W. This anomaly occurs on a steep hillside characterized by poor

outcrop but locally abundant limestone float. One sample at the southwest end of the anomaly returned 3,480 ppm Pb while the remainder averaged 362 ppm Pb. Several spot anomalies occur marginal to this trend also. A second north to northeasterly-trending anomaly occurs at the western end of lines 10N to 18N as initially detected in 1984 sampling. Samples range up to 1,160 ppm Pb and average 450 ppm Pb within the anomaly. This 1,000 metre long anomaly, cut off to the north by a limestone cliff, is coincidental with fault breccia anomalous in lead and with northeast-trending fractures carrying traces of galena.

Coincident with galena showings in the cliffs at the west end of lines 16N and 18N are samples anomalous in Zinc ranging from 262 to 304 ppm Zn. A number of Zinc anomalies, ranging between 400 and 700 ppm Zn, occur at the southwestern end of the lead anomaly at 16N, 5+00W; 18N, 4+00W; and downhill at 18N, 2+00W and 2+50W. A single sample 294 ppm Zn anomaly is located at 28N, 5+50W.

Silver is anomalous at two sample sites. A 6.0 ppm Ag anomaly is coincidental with a 3,480 ppm Pb at 16N, 4+50W; and a 1.4 ppm Ag anomaly occurs at 16N, 14+50W.

January 29, 1987

Dave Fe

TO ALASKA HIGHWAY

HEAD

SPENCER

HEAD CREEK

BASE LINE

AREA OF 1986 SAMPLING

NOTE —
See APPENDIX for results other than those shown.

S Y M B O L S

- 86SK32 / 70 — Soil
- 84SCX255 / 64 — Silt
  } sample site, sample number, p.p.m. Pb .
- ⊠ >50gr. — Panned silt sample, number of scheelite grains in pan.
- 300 p.p.m. Pb contour.
- Grid or traverse line.
- Located claim post.
- Property boundary.
- Stream.
- 4500 — Topographic contour (contour interval 100 feet)

CANAMAX RESOURCES INC.

SPENCER CREEK PROPERTY
HEAD CLAIMS
WATSON LAKE MINING DISTRICT — YUKON TERRITORY

GEOCHEMICAL MAP

SCALE 400 0 400 METRES / 1000 0 1000 FEET
1 : 10,000

09/90

To accompany 1986 Report by: D. B. Fleming.
January 29, 1987
Vancouver —

N. T. S. Ref. 105 B/1
FIG. 3

APPENDIX I

STATEMENT OF COSTS

STATEMENT OF COSTS

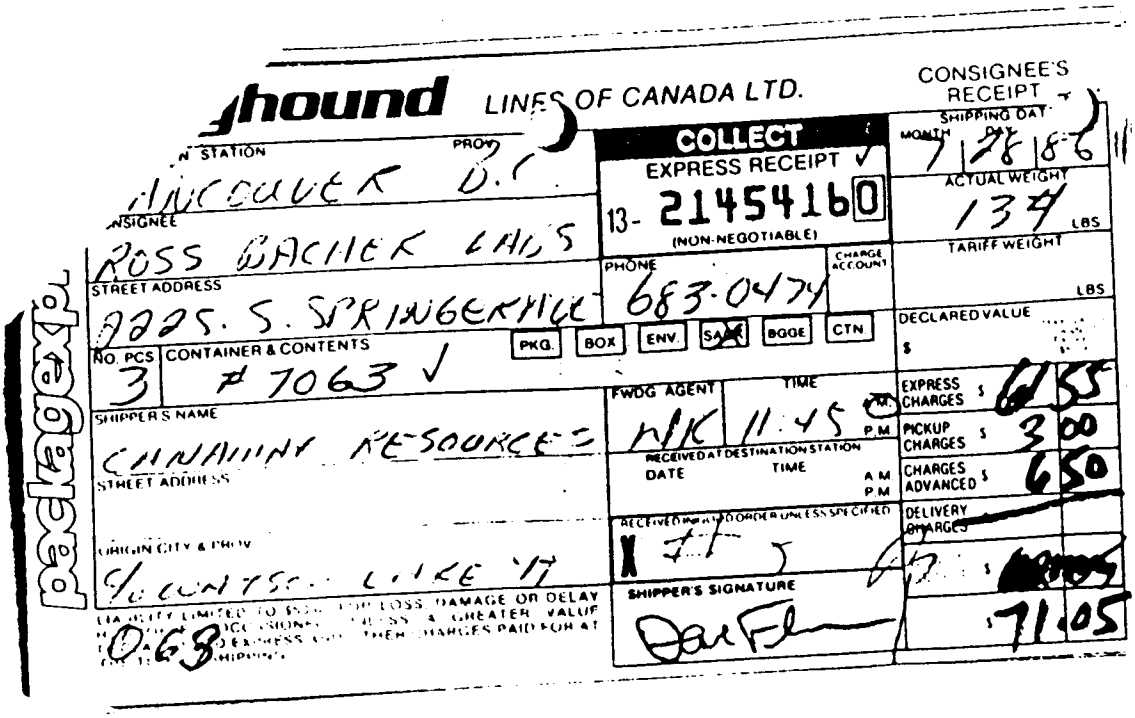
SPENCER CREEK PROPERTY

SUMMARY OF WORK - Geochemical Survey

PERIOD OF WORK - July 24-26, 1986

PERSONNEL EMPLOYED

D.B. Fleming - Geologist 9071 Oakmond Road Richmond, B.C. V7E 1L7 4 days @ $161.28	$ 645.12
D. Kelsch 9620 Glendower Drive Richmond, B.C. V7A 2Y5 Assistant - 4 days @ $69.60	278.40
L.G. Rowan 32595 Dahlstrom Avenue Clearbrook, B.C. V2T 4E4 Assistant - 4 days @ $96.00	384.00
BOARD - 12 man days @ $35.00/day	420.00
TRUCK RENTAL - 4 days @ $50.00/day	200.00
SHIPPING EXPENSES - Receipt #21454160	71.05
MATERIALS & SUPPLIES	100.00
REPORT WRITING & DRAFTING	500.00
GEOCHEMICAL ANALYSES Rossbacher Laboratory Ltd. 2225 S. Springer Avenue Burnaby, B.C. Invoice #6559 - 191 samples @ $3.80	725.80
TOTAL	$3,324.37



Greyhound LINES OF CANADA LTD.

CONSIGNEE'S RECEIPT

packagexpress

STATION: VANCOUVER PROV: B.C.

CONSIGNEE: ROSS BACHER LABS

STREET ADDRESS: 2225 S. SPRINGER AVE

NO. PCS: 3 CONTAINER & CONTENTS: # 7063 ✓

SHIPPER'S NAME: CANAMAX RESOURCES

STREET ADDRESS:

ORIGIN CITY & PROV: VANCOUVER

LIABILITY LIMITED TO $0.68 FOR LOSS, DAMAGE OR DELAY ... UNLESS A GREATER VALUE ... AND EXCESS CHARGES PAID FOR AT ... SHIPMENT

COLLECT

EXPRESS RECEIPT ✓

13- 2145160

(NON-NEGOTIABLE)

PHONE: 683-0474

CHARGE ACCOUNT

PKG. BOX ENV. SAME BGGE CTN

FWDG AGENT: MK TIME: 11:45 A.M.

RECEIVED AT DESTINATION STATION DATE TIME A.M. P.M.

RECEIVED IN APPARENT GOOD ORDER UNLESS SPECIFIED

SHIPPER'S SIGNATURE

SHIPPING DATE MONTH 7 DAY 28 YR 86

ACTUAL WEIGHT: 134 LBS

TARIFF WEIGHT: LBS

DECLARED VALUE $

EXPRESS CHARGES $ 61.55

PICKUP CHARGES $ 3.00

CHARGES ADVANCED $ 6.50

DELIVERY CHARGES

$ 71.05

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

INVOICE

CANAMAX RECEIVED AUG 18 1986 VANCOUVER OFFICE

TO : CANAMAX RESOURCES INC.
601-535 THURLOW STREET
VANCOUVER B.C.

PROJECT No.: 7063

INVOICE No.: 6559
CERTIFICATE No.: 86292
DATE ANALYSED: 86.08.06
FILE NAME: CX86292

QTY.	DESCRIPTION	UNIT COST	SUB-TOTAL	TOTAL
✓204	GEOCHEM ANALYSIS FOR 3 ELEMENT(S)	$ 3.20 ✓	$ 652.80	
✓191	SOIL/SILT PREPARATION	0.60 ✓	114.60	
✓ 4	ROCK PREPARATION	2.20 ✓	8.80	
				$ 776.20
				$ 776.20

A.D.
7063

Dave
- COPY -
Bette has the original

APPENDIX II

STATEMENT OF QUALIFICATIONS

Statement of Qualifications

Name: D.B. Fleming

Address: 9071 Oakmond Avenue
Richmond, B.C. V7E 1L7

Education: B.Sc. Geology 1979
University of British Columbia

Experience:

1976-1977	Seumotech (64) Ltd. Explosives Assistant
1978	Amax Minerals Field Assistant
1979	Amax Minerals Field Assistant
1980	Amax of Canada Limited Field Assistant
1981	CSR Minerals, Sydney, Australia Contract Geologist
1982	Amax Minerals Exploration Senior Assistant
1983-1986	Canamax Resources Inc. Senior Assistant
1986	Canamax Resources Inc. Project Geologist (full-time)

Statement of Qualifications

Name: David J. Kelsch

Address: 9620 Glendower Drive
Richmond, B.C. V7A 2Y5

Education: 2nd Year Geology - 1986
Douglas College

Experience:

Summer 1985	Canamax Resources Inc.	Geological Assistant
Summer 1986	Canamax Resources Inc.	Geological Assistant

Statement of Qualifications

Name: L.G. Rowan

Address: 32595 Dalhstrom Avenue
Clearbrook, B.C. V2T 4E4

Education: B.Sc. Geological Sciences 1985
University of British Columbia

Experience:

1981 Chevron Resources Ltd.
Geological Assistant

1982 Chevron Resources Ltd.
Geological Assistant

1983 B.C. Ministry of Mines and Energy
Engineer's Aide

1984 Daiwan Engineering
Geological Assistant

1986 Canamax Resources Inc.
Temporary Geologist

APPENDIX III

GEOCHEMICAL RESULTS AND ANALYTICAL METHODS

(OSSBACHER LABORATORY LTD.
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TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : CANAMAX RESOURCES INC.
601-535 THURLOW STREET
VANCOUVER B.C.

PROJECT: 7063
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86292
INVOICE#: 6559
DATE ENTERED: 86.08.06
FILE NAME: CX86292
PAGE # : 1

PRE FIX	SAMPLE NAME		PPM Ag	PPM Zn	PPM Pb
S	86 SKS	1	1.0	270	310
S		2	0.8	304	272
S		3	1.4	118	620
S		4	0.4	122	148
S		5	0.8	268	256
S		6	0.4	118	74
S		7	0.4	152	112
S		8	0.6	90	56
S		9	0.2	78	68
S	86 SKS	10	0.2	78	48
S		11	0.2	118	88
S		12	0.4	164	186
		13	0.2	226	190
		14	0.2	76	48
S		15	0.4	78	248
S		16	0.2	92	82
S		17	0.4	122	86
S		18	0.6	80	182
S	86 SKS	19	0.4	90	262
X	STD B		1.0	144	98
S	86 SKS	20	0.4	400	376
S		21	6.0	142	3480
S		22	0.8	112	294
S		23	0.2	86	116
S		24	0.8	124	282
S		25	0.2	72	58
S		26	0.4	116	258
S		27	0.2	134	100
S		28	0.4	86	54
S	86 SKS	29	0.4	100	38
S		30	0.4	104	70
S		31	1.0	262	440
S		32	0.4	152	272
S		33	0.6	146	126
S		34	0.4	154	112
S		35	0.6	152	242
S		36	0.4	92	56
S		37	0.4	98	70
	86 SKS	38	0.4	112	100
X	STD B		1.0	142	94

CERTIFIED BY : J. Ossbach

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CERTIFICATE#: 86292
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DATE ENTERED: 86.08.06
FILE NAME: CX86292
PAGE #: 2

PRE FIX	SAMPLE NAME	PPM Ag	PPM Zn	PPM Pb
S	86 SKS 39	0.6	128	290
S	40	0.4	100	94
S	41	0.4	116	96
S	42	1.0	104	54
S	43	0.2	108	52
S	44	0.6	170	98
S	45	0.2	114	260
S	46	0.4	164	164
S	47	0.6	106	186
S	86 SKS 48	0.6	96	122
S	49	0.4	96	176
S	50	0.2	78	306
S	51	0.4	700	498
S	52	0.2	128	354
S	53	0.4	70	154
S	54	0.4	64	78
S	55	0.2	486	164
S	56	0.2	560	294
S	86 SKS 57	0.2	86	70
X	STD B	1.0	138	96
S	86 SKS 58	0.4	68	40
S	59	0.2	82	58
S	60	0.2	44	28
S	61	0.2	76	48
S	62	0.4	108	52
S	63	0.2	72	60
S	64	0.2	70	34
S	65	0.2	74	74
S	66	0.4	70	62
S	86 SKS 67	0.4	82	80
S	68	0.2	72	32
S	69	0.4	124	342
S	70	0.4	110	306
S	71	0.2	112	220
S	72	0.2	92	206
S	73	0.2	92	180
S	74	0.4	164	136
S	75	0.4	100	520
S	86 SKS 76	0.2	124	192
X	STD B	1.0	142	100

CERTIFIED BY : J. Nasbach

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DATE ENTERED: 86.08.06
FILE NAME: CX86292
PAGE #: 3

PRE FIX	SAMPLE NAME	PPM Ag	PPM Zn	PPM Pb
S	86 SKS 77	0.4	138	380
S	78	0.2	116	80
S	79	0.4	150	56
S	80	0.8	84	70
S	71	0.4	130	58
S	82	0.2	100	30
S	83	0.4	108	52
S	84	0.4	112	72
S	85	0.6	120	80
S	86 SKS 86	0.4	124	236
S	87	0.6	132	434
S	88	0.6	160	328
S	89	0.2	70	46
S	90	0.4	98	620
S	91	0.4	68	94
S	92	0.2	98	54
S	93	0.4	86	72
S	94	0.4	80	74
S	86 SKS 95	0.4	74	44
X	STD C	0.8	110	78
S	86 SKS 96	0.6	166	100
S	97	0.6	96	152
S	98	0.4	92	106
S	99	0.4	68	166
S	100	0.4	74	120
S	101	0.2	90	186
S	102	0.2	112	142
S	103	0.4	136	192
S	104	0.4	108	138
S	86 SKS 105	0.4	136	144
S	106	0.2	138	160
S	107	0.4	120	154
S	108	0.4	100	150
S	86 SKS 109	0.2	120	106

CERTIFIED BY : J. Nasbach

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INVOICE#: 6559
DATE ENTERED: 86.08.06
FILE NAME: CX86292
PAGE # : 4

PRE FIX	SAMPLE NAME		PPM Ag	PPM Zn	PPM Pb
S	86 SLS	1	0.4	90	46
S		2	0.4	88	60
S		3	0.4	76	30
S		4	0.6	166	82
S	86 SLS	5	0.2	76	84
X	STD	C	0.8	120	80
S	86 SLS	6	0.2	64	106
S		7	0.2	76	12
S		8	0.2	138	318
S		9	0.2	184	488
S		10	0.2	120	330
S		11	0.2	162	386
S		12	0.2	76	96
S		13	0.2	72	92
S		14	0.2	102	130
S	86 SLS	15	0.2	130	90
S		16	0.2	86	118
S		17	0.2	108	74
S		18	0.2	80	46
S		19	0.2	96	52
S		20	0.2	92	46
S		21	0.2	76	68
S		22	0.2	186	120
S		23	0.2	62	58
S	86 SLS	24	0.2	96	54
X	STD	B	1.0	128	84
S	86 SLS	25	0.2	90	56
S		26	0.2	126	114
S		27	0.2	172	160
S		28	0.2	126	100
S		29	0.2	178	146
S		30	0.2	130	42
S		31	0.2	68	38
S		32	0.2	78	70
S		33	0.2	76	46
S	86 SLS	34	0.2	110	50
S		35	0.2	76	58
S		36	0.2	160	350
S		37	0.2	114	320
S		38	0.2	120	216

CERTIFIED BY : A. Assbach

ACME ASSBACHER LABORATORY LTD.

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BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : CANAMAX RESOURCES INC.
601-535 THURLOW STREET
VANCOUVER B.C.

PROJECT: 7063
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86292
INVOICE#: 6559
DATE ENTERED: 86.08.06
FILE NAME: CX86292
PAGE # : 5

PRE FIX	SAMPLE NAME		PPM Ag	PPM Zn	PPM Pb
S		39	0.2	82	150
S		40	0.2	114	212
S		41	0.2	86	136
S		42	0.2	148	176
S	86 SLS	43	0.2	104	166
X	STD	B	1.0	132	94
S	86 SLS	44	0.2	146	138
S		45	0.2	70	140
S		46	0.2	68	126
S		47	0.2	48	210
S		48	0.2	24	274
S		49	0.2	88	70
S		50	0.2	82	58
S		51	0.2	84	74
S		52	0.2	82	92
S	86 SLS	53	0.2	126	90
S		54	0.2	110	98
S		55	0.2	76	66
S		56	0.2	114	90
S		57	0.2	78	58
S		58	0.2	68	94
S		59	0.2	98	176
S		60	0.2	86	86
S		61	0.2	78	74
S	86 SLS	62	0.2	76	82
X	STD	E	0.4	150	20
S	86 SLS	63	0.2	74	128
S		64	0.2	36	24
S		65	0.2	96	118
S		66	0.2	86	118
S		67	0.2	60	72
S		68	0.2	70	80
S		69	0.2	58	98
S		70	0.2	84	90
S		71	0.2	98	228
S	86 SLS	72	0.2	190	220
S		73	0.2	294	446
S		74	0.2	140	286
S		75	0.2	92	100
S		76	0.2	94	130

CERTIFIED BY : A. Assbach

ASSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : CANAMAX RESOURCES INC.
601-535 THURLOW STREET
VANCOUVER B.C.

PROJECT: 7063
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86292
INVOICE#: 6559
DATE ENTERED: 86.08.06
FILE NAME: CX86292
PAGE # : 6

PREFIX	SAMPLE NAME	PPM Ag	PPM Zn	PPM Pb
S	77	0.2	86	70
S	86 SLS 78	0.2	150	114

CERTIFIED BY :

JSSBACHER LABORATORY LTD.
2225 S. SPRINGER AVENUE
BURNABY. B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : CANAMAX RESOURCES INC.
601-535 THURLOW STREET
VANCOUVER B.C.

PROJECT: 7063
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 86292
INVOICE#: 6559
DATE ENTERED: 86.08.06
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PAGE # : 7

PRE FIX	SAMPLE NAME	PPM Ag	PPM Zn	PPM Pb
S	86 SFS 6	0.2	126	314
S	7	0.2	160	152
S	8	0.2	142	118
S	86 SFS 9	0.2	86	60
T	86 SFT 1	0.2	64	114
T	2	0.2	106	58
T	4	0.2	44	206
T	86 SFT 5	0.2	92	430

CERTIFIED BY :

Rossbacher Laboratory
GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B.C.
CANADA
TELEPHONE: 299-6910
AREA CODE: 604

Jan. 1985

(1)

GEOCHEMICAL ANALYTICAL METHODS CURRENTLY IN USE AT ROSSBACHER LABORATORY LTD.

A. SAMPLE PREPARATION

1. *Geochem. Soil and Silt:* Samples are dried, and sifted to minus 80 Mesh, through stainless steel, or nylon screens.

2. *Geochem. Rock:* Samples are dried, crushed to minus ¼ inch, split, and pulverized to minus 100 mesh.

B. METHODS OF ANALYSIS

1. *Multi element:* (Mo, Cu, Ni, Co, Mn, Fe, Ag, Zn, Pb, Cd): 0.5 Gram sample is digested for four hours with a 15:85 mixture of Nitric-Perchloric acid. The resulting extract is analyzed by Atomic Absorption spectroscopy, using Background Correction where appropriate.

2. *Antimony:* 0.50 Gram sample is fused with Ammonium Iodide and dissolved. The resulting solution is extracted into TOPO/MIBK and analyzed by Atomic Absorption spectroscopy.

3. *Arsenic:* 0.25 Gram sample is digested with Nitric-Perchloric acid. Arsenic from the solution is converted to arsine, which in turn reacts with silver D.D.C. The resulting solution is analyzed by colorimetry.

4. *Barium:* 0.50 Gram sample is repeatedly digested with $HClO_4$-HNO_3 and HF. The solution is analyzed by Atomic Absorption spectroscopy.

5. *Biogeochemical:* Samples are dried, and ashed at 550°C. and the resulting ash analyzed as in #1, multielement analysis.

6. *Bismuth:* 0.50 Gram sample is digested with Nitric acid. The solution is analyzed by Atomic Absorption spectroscopy.

7. *Chromium:* 0.25 Gram sample is fused with Sodium Peroxide. The solution is analyzed by Atomic Absorption spectroscopy.

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METHOD OF ANALYSIS (CONT.)

8.	Fluorine:	0.50 Gram sample is fused with a Carbonate Flux, and dissolved. The resulting solution is analyzed for Fluorine by use of an Ion Selective Electrode.
9.	Gold:	10.0 Gram sample is roasted at 550°C. and dissolved in Aqua Regia. The resulting solution is subjected to a Methylisobutyl Ketone extraction, which extract is analyzed for Gold using Atomic Absorption spectroscopy.
10.	Mercury:	1.00 Gram sample is digested with Nitric and Sulfuric acids. The solution is analyzed by Atomic Absorption spectroscopy, using a cold vapor generation technique.
11.	Partial Extraction and Fe/Mn oxides:	0.50 Gram sample is extracted using one of the following: Hot or cold 0.5 N. HCL, 2.5% E.D.T.A., Ammonium Citrate, or other selected organic acids. The solution is analyzed by use of Atomic Absorption spectroscopy.
12.	pH:	An aqueous suspension of soil, or silt is prepared, and its pH is measured by use of a pH meter.
13.	Rapid Silicate Analysis:	0.10 Gram sample is fused with Lithium Metaborate, and dissolved in HNO_3. The solution is analyzed by Atomic Absorption for SiO_2, Al_2O_3, Fe_2O_3, MgO, CaO, Na_2O, K_2O, TiO_2, P_2O_5, and MnO.
14.	Tin:	0.50 Gram sample is sublimated by fusion with Ammonium Iodide, and dissolved. The resulting solution is extracted into TOPO/MIBK and analyzed by Atomic Absorption spectroscopy.
15.	Tungsten:	1.00 Gram sample is sintered with a carbonate flux, and dissolved. The resulting extract is analyzed colorimetrically, after reduction with Stannous Chloride, by use of Potassium Thiocyanate.

Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

RECEIVED
9 FEB 1987
MINING RECORDER
WATSON LAKE, Y.T.
I.A. & N.D.

OFFICE DATE STAMP

I (Name) ELIZABETH K. BOYD Occupation SECRETARY

(Postal Address) 601-535 THURLOW ST. VANCOUVER, BC. V6E 3L6

MAKE OATH AND SAY, THAT:-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, wotk on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

YA 70828 HEAD 7
YA 70830 HEAD 9
YA 70831 HEAD 10
YA 70832 HEAD 11
YA 70833 HEAD 12
YA 70834 HEAD 13
YA 70835 HEAD 14

situated at 16 KM NE RANCHERIA Claim Sheet No. 105 B/1

in the WATSON LAKE Mining District, to the value of at least $2800.00

dollars, since the 10TH day of FEBRUARY 19 86,

to represent the following mineral claims under the authority of Grouping Certificate No. _____
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA 70822 HEAD 1
YA 70823 HEAD 2
YA 70824 HEAD 3
YA 70825 HEAD 4
YA 70826 HEAD 5
YA 70827 HEAD 6
YA 70828 HEAD 7
YA 70829 HEAD 8
YA 70830 HEAD 9
YA 70831 HEAD 10
YA 70832 HEAD 11
YA 70833 HEAD 12
YA 70834 HEAD 13
YA 70835 HEAD 14

2 YRS WORK TO EACH CLAIM

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.) JULY 24 - JULY 26 1986 - GEOCHEMICAL SURVEY

191 SOIL SAMPLES ANALYSED FOR Ag, Zn, & Pb @ $3.80	=	$725.80
PERSONNEL SALARIES	=	1307.52
BOARD - 12 MAN DAYS @ $35.00/day	=	420.00
TRUCK RENTAL - 4 DAYS @ $50.00/day	=	200.00
SHIPPING	=	71.05
MATERIALS & SUPPLIES	=	100.00
REPORT WRITING & DRAFTING	=	500.00
		$3,324.37

SEE COST STATEMENT & INVOICES IN ATTACHED REPORT.

Sworn before me at VANCOUVER, BC.

this 4th day of FEBRUARY 1987

Notary Public

Elizabeth K Boyd
Applicant.

RODNEY A. SNOW
2800 Park Place
666 Burrard St.
Vancouver, B.C. V6C 2Z7
687-9444
Barrister & Solicitor