

85-719

7/86

PROSPECTING REPORT

ON

BANA AND LETT MINERAL CLAIMS

OMINECA MINING DIVISION

93M/6

55 17'N 127 01'W

OWNED BY: TOM RICHARDS

OPERATOR: ATNA RESOURCES LTD.

WRITTEN BY: COLIN HARIVEL

DATED: SEPTEMBER 1985

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,924

TABLE OF CONTENTS

INTRODUCTION	1.
(i) Location and Access	1.
(ii) History, Ownership and Economic Assessment	1.
(iii) Summary	1.
(iv) Claim Information	1.
DISCUSSION AND CONCLUSIONS	2.
STATEMENT OF COSTS	3.

LIST OF FIGURES

FIG. 1	Index Map
FIG. 2	Claim Map
FIG. 3	Sample Location Sketch

APPENDICES

APPENDIX 1	Analytical Results
APPENDIX 2	Statement of Qualifications of Author

INTRODUCTION

(i) Location and Access.

The Bana and Lett 2-post mineral claims are located near the head waters of Netalzul Creek, a tributary to Harold Price Creek. The center of the property is about 38 km east of the village of Hazelton, B.C. (Fig 1). The claims lie in Netalzul Pass near treeline and elevations range from 1158m to 1371m. The forest cover is hemlock-spruce and grades to alpine spruce at higher elevations.

Access was by helicopter from Smithers.

(ii) History, Ownership and Economic Assessment.

The property was staked in June 1984 as a result of the release of government Regional Geochemical Survey data. A single sample stream sediment anomaly (see location, Fig. 3) was deemed to be of significant interest.

The claims are owned by Tom Richards of Hazelton, B.C. and funds for the exploration of the ground were provided by Atna Resources Ltd.

The property is of immediate economic interest as a possible vein-type silver producer..

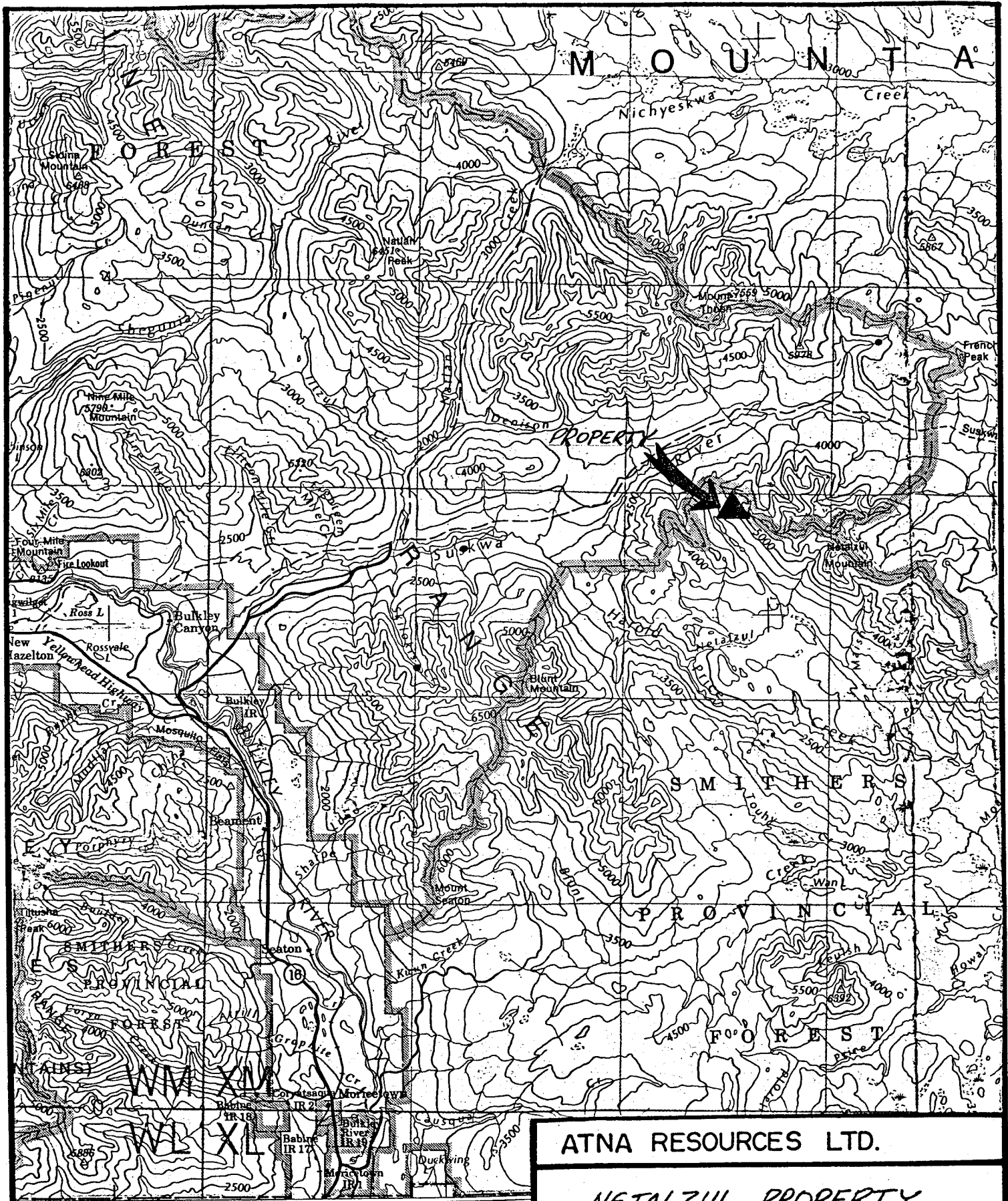
(iii) Summary.

Work on the claim consisted of a helicopter supported visit during which the anomaly source-area was prospected. Mineralized samples were collected by two Atna representatives and the analyses of these samples is reported in Appendix 1 .

Ten rock chip samples were taken and submitted for analysis.

(iv) Claim Information.

Bana 1 - 8	6411 - 6418	July 24	8 units
Lett 1 - 8	6498 - 6505	24 July	8 units.



ATNA RESOURCES LTD.

NETALZUL PROPERTY
 LOCATION MAP
 93 M

SCALE = 1: 250,000

FIG. 1

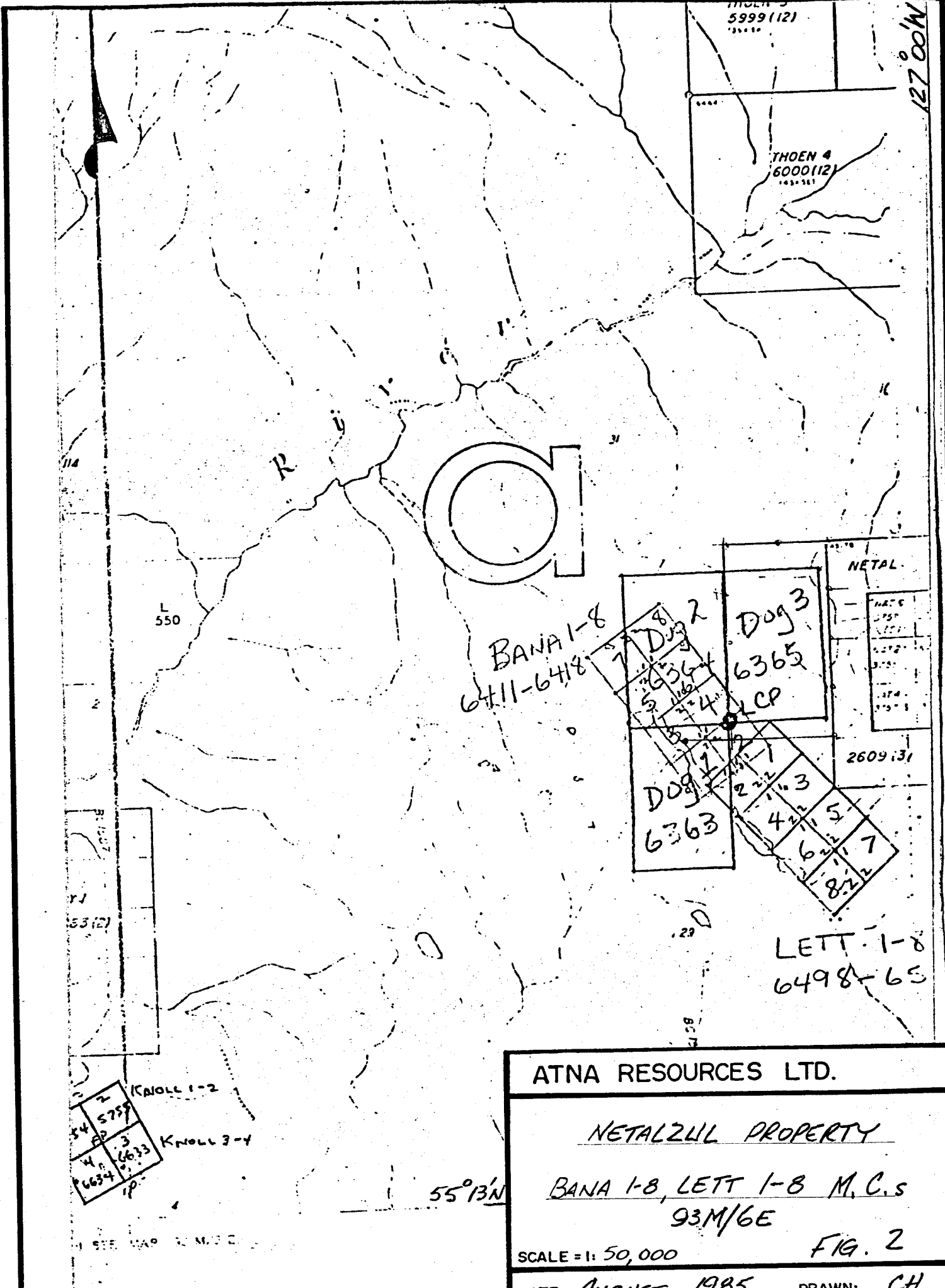
DATE: AUGUST, 1985

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Copies may be obtained from the Canada Map Office,
 Department of Energy, Mines and Resources, Ottawa,
 or your nearest map dealer.

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5999 (12)

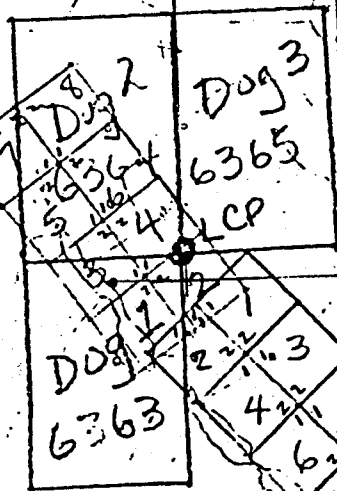
THOEN 4
6000 (12)

127° 00' W

O

L 550

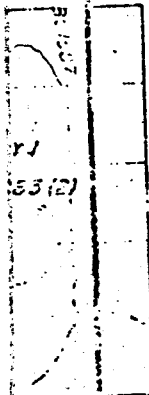
BANA 1-8
6411-6418



NETAL

2609 (31)

LETT 1-8
6498-65



KNOLL 1-2

KNOLL 3-4

55° 13' N

ATNA RESOURCES LTD.

NETALZUL PROPERTY

BANA 1-8, LETT 1-8 M.C.S
93M/6E

SCALE = 1: 50,000

FIG. 2

DATE: AUGUST, 1985

DRAWN: CH

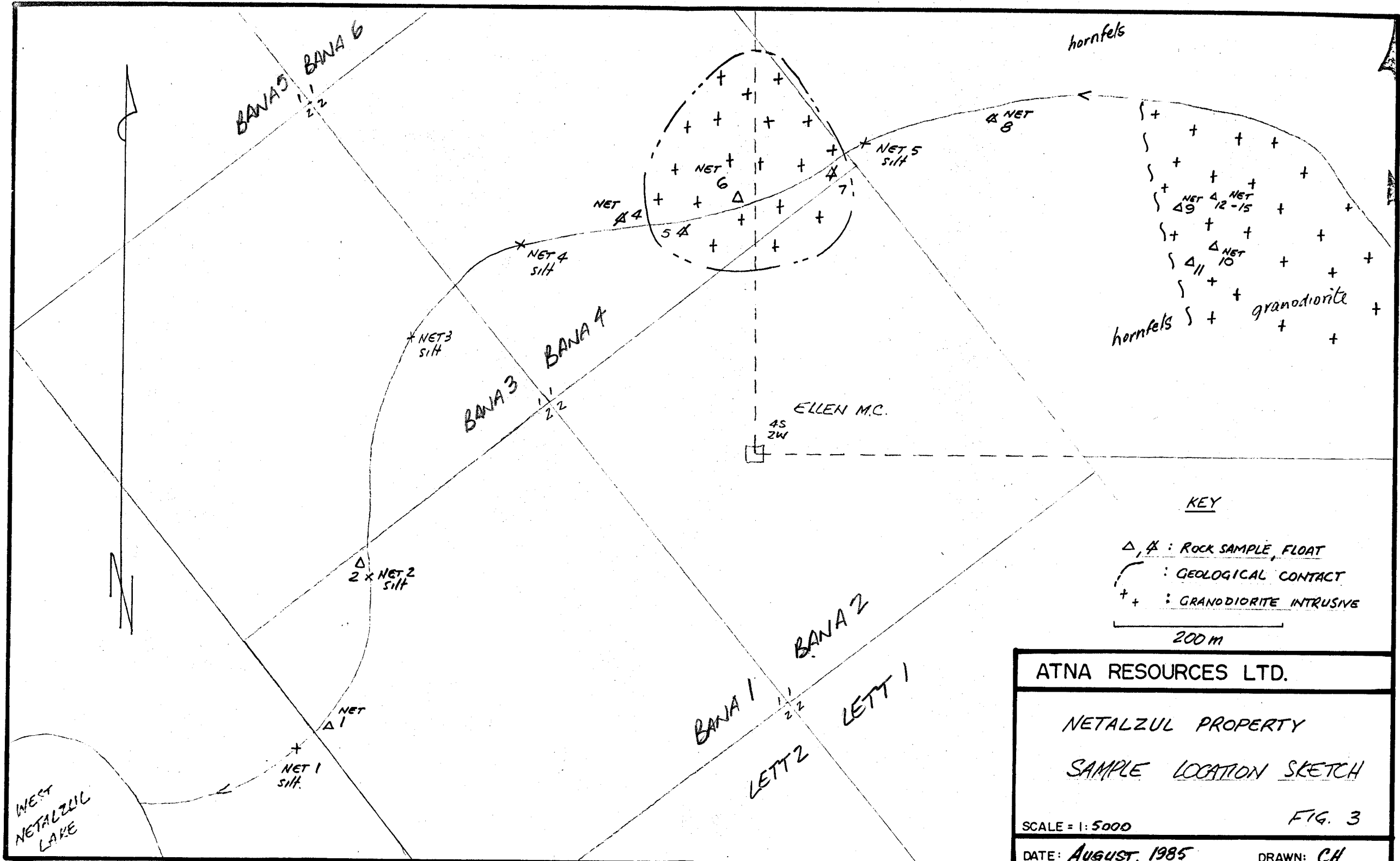
DISCUSSION AND CONCLUSION

The area traversed was underlain by Bowser Lake Group sediments and intruded by granodiorite assigned to Bulkley Intrusions of Cretaceous age.

Mineralized samples included float with chalcopyrite and molybdenite in quartz veins and quartz veins with galena and shalerite. The float was traced into the head of the basin and mineralization of both types was found in place. The most significant mineralization found is off the presently held ground and more ground should be acquired to the east.

Inspection of the results, see Appendix 1, shows that samples NET 8R, 11R, 12R, 14R, and 15R are anomalous for Ag and NET 14R returned 0.012 oz/ton Au.

The results of the preliminary prospecting indicate that the area warrants further intensive prospecting and mapping.



ATNA RESOURCES LTD.

NETALZUL PROPERTY

SAMPLE LOCATION SKETCH

SCALE = 1:5000

DATE: August, 1985

FIG. 3

DRAWN: CH

STATEMENT OF COSTS

3.

Wages:

Bruce Holden, propsector, July 9, 1985 One day @ \$200/day	\$200
Ellen Lambert, geologist, July 9, 1985 One day @ \$175/day	\$175

Helicopter:

Portion of Flight Invoice from Northern Mountain Hel. Prorated from total bill of \$997	\$337
--------------------------------------------------------------------------------------------	-------

Truck:

Cost of one pick-up truck rental plus gas One day @ \$108/day	\$108
------------------------------------------------------------------	-------

Expended Supplies:

To replace flagging, hip-chain filament, sample bags Total	\$89
---------------------------------------------------------------	------

Motel:

One night, Smithers, July 8, 1985	\$50
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Meals:

One day, two men, Smithers, July 8, 1985	\$48
------------------------------------------	------

Office Expenses:

Phone calls, preparation of photocopies and maps,	\$139
---------------------------------------------------	-------

Report Preparation:

1.2 days @ \$300/day	\$360
Drafting and typing	\$103

TOTAL

\$1609

APPENDIX 1



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

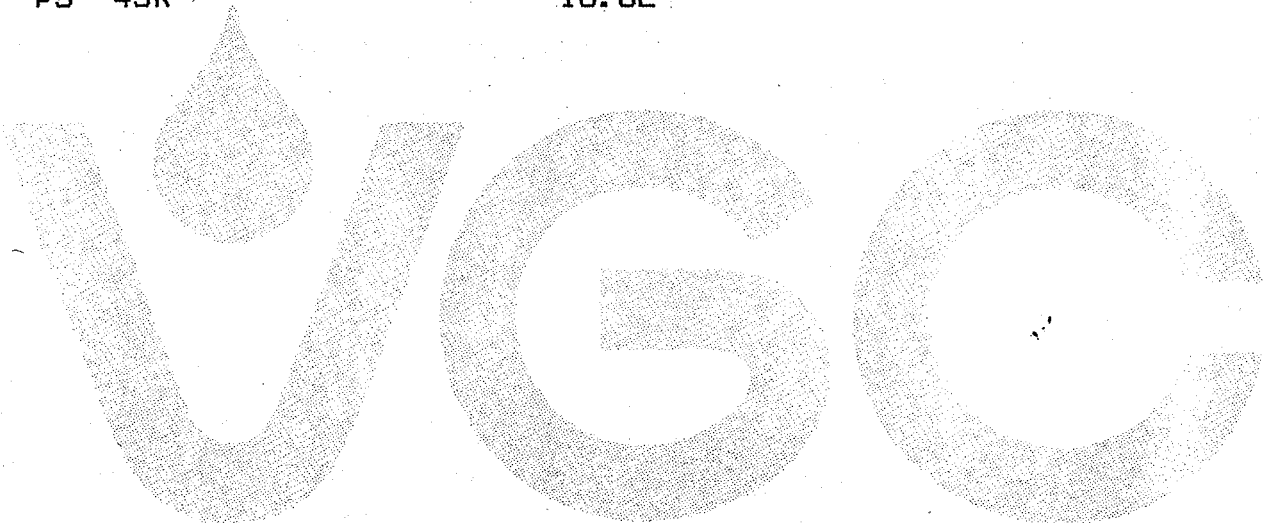
REPORT NUMBER: 85-75-005

JOB NUMBER: 85187(A)

MR. TOM RICHARDS

PAGE 1 OF 1

SAMPLE #	Ag oz/st
H 315R	3.69
NET 12R	23.98
NET 15R	73.76
PS 45R	18.82



DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.01

1 ppm = 0.0001%

ppm = parts per million

(< = less than

signed: _____



VANGEOCHEM LAB LIMITED

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(604) 251-5656

REPORT NUMBER: 85-75-003

JOB NUMBER: 85183

TOM RICHARDS

PAGE 1 OF 2

SAMPLE #	Au oz/st	Au ppb
----------	-------------	-----------

<i>Delta</i> { DE 1R	--	5
DE 2R	--	<5
<i>Skilokis</i> { H 314R	.082	2800
H 315R	.034	1160
H 316R	.009	300

<i>Netalz</i> { NET 1R	--	<5
NET 2R	--	5
NET 3R	--	<5
NET 4R	--	<5
NET 8R	.006	200 x
NET 10R	--	<5
NET 11R	.009	300 x
NET 12R	--	75
NET 14R	.012	400 x
NET 15R	--	230

<i>Skilokis</i> { PS 35R	--	10
PS 38R	--	130
PS 39R	--	5
PS 43R	.856	> 10000 x
PS 45R	.009	300

DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.005

1 ppm = 0.0001%

5

ppm = parts per million

< = less than

signed: _____

Suskwa River

Frano

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N. VANCOUVER B.C. V7P 2S3 PH: (604) 986-5211 TELEX: 04-352578
 BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH: (604) 251-5656

ICAP GEOCHEMICAL ANALYSIS

.5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR SN, MN, FE, CA, P, CR, MG, BA, PD, AL, NA, K, W, PT AND SR. AU AND PD DETECTION IS 3 PPM.
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: TOM RICHARDS
 ATTENTION: ATNA RESOURCES
 PROJECT:

REPORT#: 85-75-003A
 JOB#: 85183
 INVOICE#: 8717

DATE RECEIVED: 85/07/15
 DATE COMPLETED: 85/07/17
 COPY SENT TO: T. RICHARDS & C. HARIVEL ANALYST W. Remes

PAGE 1 OF 1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
DE-1R	.2	1.50	38	ND	57	3	.55	.1	7	51	44	2.60	.10	.62	767	1	.09	7	.05	7	ND	ND	ND	ND	16	ND	ND	49
DE-2R	4.0	.30	100	ND	69	3	.02	6.5	13	66	160	3.04	.07	.04	39	9	.01	8	.01	255	ND	ND	71	ND	7	ND	ND	1385
H-314R	7.8	.03	49659	ND	ND	11	.01	53.0	8	182	46	6.11	.09	.01	54	4	.01	7	.01	145	ND	ND	75	ND	3	ND	ND	122
H-315R	>100	.25	25381	ND	17	41	.05	27.1	5	95	394	4.42	.10	.04	52	6	.01	5	.04	756	ND	ND	228	ND	19	ND	ND	72
H-316R	.8	.25	5204	ND	4	ND	.08	4.4	2	91	11	1.85	.09	.02	44	6	.08	3	.06	21	ND	ND	13	ND	2	ND	ND	9
NET-1R	.8	1.26	155	ND	486	ND	.61	.1	5	175	26	2.17	.10	.39	390	2	.15	9	.04	8	ND	ND	3	ND	63	ND	ND	54
NET-2R	.5	.61	39	ND	42	ND	.28	.1	7	65	58	2.31	.08	.35	191	4	.12	6	.08	8	ND	ND	4	ND	16	ND	ND	56
NET-3R	.8	5.54	ND	ND	11	ND	3.08	.1	88	52	1253	10.23	.25	.08	200	5	.12	18	.11	10	ND	ND	ND	2	136	12	15	15
NET-4R	.8	4.03	ND	ND	230	5	1.51	.1	13	68	132	3.06	.21	.44	318	4	.20	8	.05	8	ND	ND	ND	4	97	6	6	36
NET-8R	43.0	.01	23	ND	ND	99	.03	.6	7	130	25887	4.54	.08	.01	30	5	.03	5	.01	59	ND	ND	13	ND	3	ND	6	49
NET-10R	.8	7.70	ND	ND	30	ND	4.16	.1	29	75	778	3.93	.17	.41	201	9	.29	7	.11	8	ND	ND	ND	ND	351	12	6	17
NET-11R	70.0	.48	40	ND	27	1280	.11	1.2	12	84	1086	8.21	.16	.07	283	5	.01	7	.05	262	ND	ND	14	4	11	ND	ND	259
NET-12R	>100	.09	439	ND	9	16	.13	179.8	3	124	5287	.48	.04	.01	146	34	.01	750	.01	11407	ND	ND	3630	ND	8	ND	ND	11313
NET-14R	12.1	.87	1149	ND	86	6	.06	2.9	22	49	843	6.19	.14	.26	201	47	.03	304	.03	170	ND	ND	94	5	8	ND	ND	233
NET-15R	>100	.06	1767	ND	5	353	.10	143.1	22	95	22485	7.36	.12	.08	6549	9	.01	17	.01	2925	ND	ND	11592	4	7	ND	25	4046
PS-35R	17.1	.88	135	ND	91	8	.21	1.5	4	68	1113	1.83	.09	.50	265	2	.13	353	.05	73	ND	ND	155	3	18	4	3	111
PS-38R	7.5	.69	402	ND	19	96	1.58	.1	4	89	71	1.14	.11	.33	387	109	.12	467	.03	60	ND	ND	33	ND	27	5	ND	27
PS-39R	3.7	1.62	59	ND	3	6	3.86	6.0	2	21	852	3.70	.15	1.55	966	53	.01	9	.11	60	ND	ND	30	2	40	30	ND	724
PS-43R	11.1	.21	>102	29	14	1089	1.27	577.5	5916	13	25	24.36	.43	.13	79	86	.01	109	.01	23	ND	ND	135	ND	280	ND	ND	23
PS-45R	>100	.01	6654	ND	ND	16	.04	131.1	84	42	553	.72	.02	.01	22	4	.01	6	.01	20761	ND	ND	39678	ND	10	ND	ND	3711
PS-46R	6.5	.68	326	ND	5	5	3.57	.8	14	19	482	4.48	.21	.86	688	4	.56	80	.07	454	ND	ND	268	ND	42	25	ND	56
PS-47R	11.3	.18	158	ND	25	ND	8.56	209.3	1	32	171	.73	.14	.05	2372	52	.01	4	.01	1060	ND	ND	108	ND	146	ND	ND	3788
TR-24R	1.2	.62	136	ND	46	ND	.18	2.2	23	16	90	6.35	.14	.26	279	2	.03	54	.03	99	ND	ND	41	ND	14	ND	ND	82
TR-25R	.8	.55	19	ND	86	3	1.18	.5	4	23	11	1.40	.11	.41	508	1	.09	5	.05	24	ND	ND	12	ND	57	7	ND	169
TR-27R	1.7	.29	68	ND	75	5	2.47	.1	12	33	24	2.57	.15	.73	2646	1	.11	19	.10	30	ND	ND	15	ND	142	11	ND	80
TR-29R	6.8	.17	55	ND	44	ND	.19	18.2	6	51	124	2.52	.09	.03	136	2	.01	405	.06	1957	ND	ND	16	ND	8	ND	ND	3208
TR-30R	57.0	.22	365	ND	46	5	.48	277.5	2	39	4226	2.55	.09	.13	1139	5	.01	11	.06	15968	ND	ND	132	5	17	ND	52	36939
TR-50R	13.6	.18	73	ND	40	22	.27	669.5	5	63	620	2.08	.07	.03	1042	12	5.08	308	.04	1804	ND	ND	16	9	13	ND	620	69447

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VANGEOCHEM LAB LIMITED

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 BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH: (604)251-5656

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 THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -- NOT ANALYZED

COMPANY: TOM RICHARDS
 ATTENTION: TOM RICHARDS
 PROJECT: --

REPORT#: 85-75-004
 JOB#: 85184
 INVOICE#: 8741

DATE RECEIVED: 85/07/15
 DATE COMPLETED: 85/07/22
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ANALYST *W. Burns*

PAGE 1 OF 1

SAMPLE NAME	AG	AL	AS	AU	BA	BI	CA	CD	CO	CR	CU	FE	K	MG	MN	MO	NA	NI	P	PB	PD	PT	SB	SN	SR	U	W	ZN
	PPM	I	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	PPM	I	I	I	PPM	PPM	I	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
85 H314	5.8	2.10	588	ND	108	5	.80	5.0	13	20	128	5.57	.19	.97	789	3	.11	8	.13	299	ND	ND	15	3	119	13	ND	256
85 H315	4.8	2.81	458	ND	93	4	1.31	3.5	13	10	112	3.54	.18	.93	726	8	.13	7	.14	199	ND	ND	11	1	195	21	ND	173
85 TR31C	.6	1.84	23	ND	281	ND	1.28	.8	6	6	25	2.79	.15	.28	1244	2	.19	7	.15	14	ND	ND	ND	ND	116	9	ND	87
85 TR32	.2	2.03	31	ND	173	ND	.42	1.6	17	9	182	5.04	.14	.61	1346	6	.09	15	.09	40	ND	ND	4	ND	45	3	ND	262
85 TR33	.1	2.66	14	ND	177	ND	.58	.6	16	7	40	5.42	.16	.68	1570	1	.09	11	.09	11	ND	ND	ND	ND	61	5	ND	120
85 TR35	.4	1.56	65	ND	288	ND	.48	7.0	24	8	36	4.94	.13	.39	7870	4	.10	8	.15	81	ND	ND	3	ND	50	ND	ND	390
85 TR36	.5	1.39	90	ND	121	ND	.26	5.9	17	9	75	4.11	.13	.49	2428	5	.11	9	.09	86	ND	ND	7	ND	24	ND	ND	551
85 TR37	.8	1.79	124	ND	157	ND	.54	5.9	21	8	81	4.79	.16	.46	2915	5	.17	9	.14	121	ND	ND	6	ND	58	7	ND	587
85 TR38	.5	1.18	57	ND	135	3	.26	7.9	16	9	103	3.58	.12	.45	2800	3	.11	10	.09	115	ND	ND	5	ND	24	3	ND	541
85 TR39	1.1	1.64	154	ND	160	ND	.52	9.3	21	8	104	5.34	.15	.45	3339	4	.15	11	.16	209	ND	ND	5	ND	53	ND	ND	762
85 TR20 SILT	.2	2.35	29	ND	194	ND	.44	.8	18	11	37	5.90	.16	.74	1588	1	.08	18	.09	19	ND	ND	5	ND	41	3	3	140
85 TR21	.5	2.34	17	ND	237	ND	.76	.3	7	9	22	3.40	.12	.37	956	2	.11	7	.14	14	ND	ND	ND	ND	128	6	ND	118
85 TR22	.1	2.47	36	ND	245	ND	.80	.3	15	17	34	4.83	.15	.66	1986	5	.10	15	.12	15	ND	ND	ND	ND	87	7	ND	127
85 TR23	1.2	1.35	77	ND	154	ND	.29	1.7	24	10	458	7.28	.15	.41	1467	21	.08	12	.12	118	ND	ND	16	ND	44	ND	ND	357
85 TR26	.2	1.84	41	ND	157	ND	.26	2.7	16	10	146	4.22	.11	.56	952	8	.08	10	.08	66	ND	ND	6	ND	31	ND	ND	244
85 TR28	.2	1.30	51	ND	161	ND	.23	6.3	22	7	71	4.07	.10	.38	3554	4	.08	11	.09	48	ND	ND	4	ND	36	ND	ND	338
85 NET1	.4	3.05	182	ND	176	ND	.41	5.8	18	12	66	5.09	.14	.75	1825	9	.09	12	.09	78	ND	ND	13	ND	71	ND	ND	351
85 NET2	.1	3.84	68	ND	176	ND	.36	2.7	22	13	46	6.33	.15	.83	3665	67	.08	11	.11	33	ND	ND	ND	1	53	ND	7	185
85 NET3	.3	2.56	322	ND	213	ND	.57	7.5	23	12	41	7.35	.17	.71	7818	7	.10	15	.10	33	ND	ND	6	2	115	ND	ND	206
85 NET4	1.2	2.97	63	ND	156	ND	.62	6.3	13	13	97	3.91	.14	.71	1084	12	.12	9	.11	54	ND	ND	7	ND	99	ND	ND	383
85 NET5	1.2	3.15	73	ND	144	ND	.63	9.8	19	16	135	4.78	.15	.85	1670	15	.11	25	.11	73	ND	ND	8	1	98	ND	7	624

APPENDIX 2

STATEMENT OF QUALIFICATIONS

I, Colin Harivel, of business address Box 233, Smithers, B.C. do certify that;

1. I am a geologist and have practised my profession in the mining exploration industry in Australia, Canada and the United States of America.
2. I am a graduate in geology from the University of British Columbia with the degree of Bachelor of Science (1972).
3. I am a Fellow of the Geological Association of Canada.
4. I have, in the course of my professional work in Canada, explored for deposits of the type that may exist on the property described.
5. This report was prepared from notes taken by me and by other competent geologists and prospectors who have worked on the claims described in this report.

Signed:



Colin Harivel, BSc, FGAC.

STATEMENT OF QUALIFICATIONS

We, the undersigned, do hereby state that;

1. This prospecting report was prepared from notes made by us during the prospecting of the claims described in this report.

2. We are qualified, experienced prospectors and have worked in west central British Columbia in the mineral exploration industry for at least seven years.

3. This report accurately reflects our observations with respect to the claims which are the subject of this report.

Tom Richards, PhD, geologist, prospector

Pat Suratt, prospector

Bruce Holden, prospector . *Bruce Holden*

Colin Harivel, BSc, geologist, prospector

Prospector's Resume

This prospecting report was prepared from notes made by me during the prospecting of the claims described in this report.

I am a qualified experienced prospector and have worked in central British Columbia in the mineral industry for at least seven years.

This report accurately reflects our observations with respect to the claims which is the subject of this report.

In 1975 and 1976, contract work for Noranda Exploration.

In 1977, geophysical exploration with Canadian Superior Ltd.

In 1978, property work with Granby Exploration Ltd.

In 1980, Property work with Tom Richards, geologist.

From 1982 to 1985, regional prospecting with Tom Richards

In 1981, I took a course from Dr. Allan Gottesfeld through the Northwest Community Collage.

In 1982, I took and recieved a certificate from the British Columbia Department of Mines, Prospecting Course, Terrace, B.C.

In 1983, I took a prospecting course from Dr. T.A. Richards, from the Northwest Community Collage.

Bruce Holden

