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FILMED

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

17,289

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 89.01.12

ASSESSMENT REPORT 17289

MINING DIVISION: Nicola

PROPERTY: Snow Devil
LOCATION: LAT 50 05 47 LONG 120 34 30
UTM 10 5551945 673441
NTS 092I02E

CLAIM(S): Snow Devil III-V

OPERATOR(S): Rock Ex.

AUTHOR(S): Lodmell, R.D.

REPORT YEAR: 1988, 16 Pages

COMMODITIES

SEARCHED FOR: Copper

GEOLOGICAL

SUMMARY: The area of the claims consists of Upper Triassic Nicola Group greenstone, andesite, basalt, agglomerate, breccia tuff, minor argillite, limestone and conglomerate with an intrusion of granitic rock in the northern part of the claims.

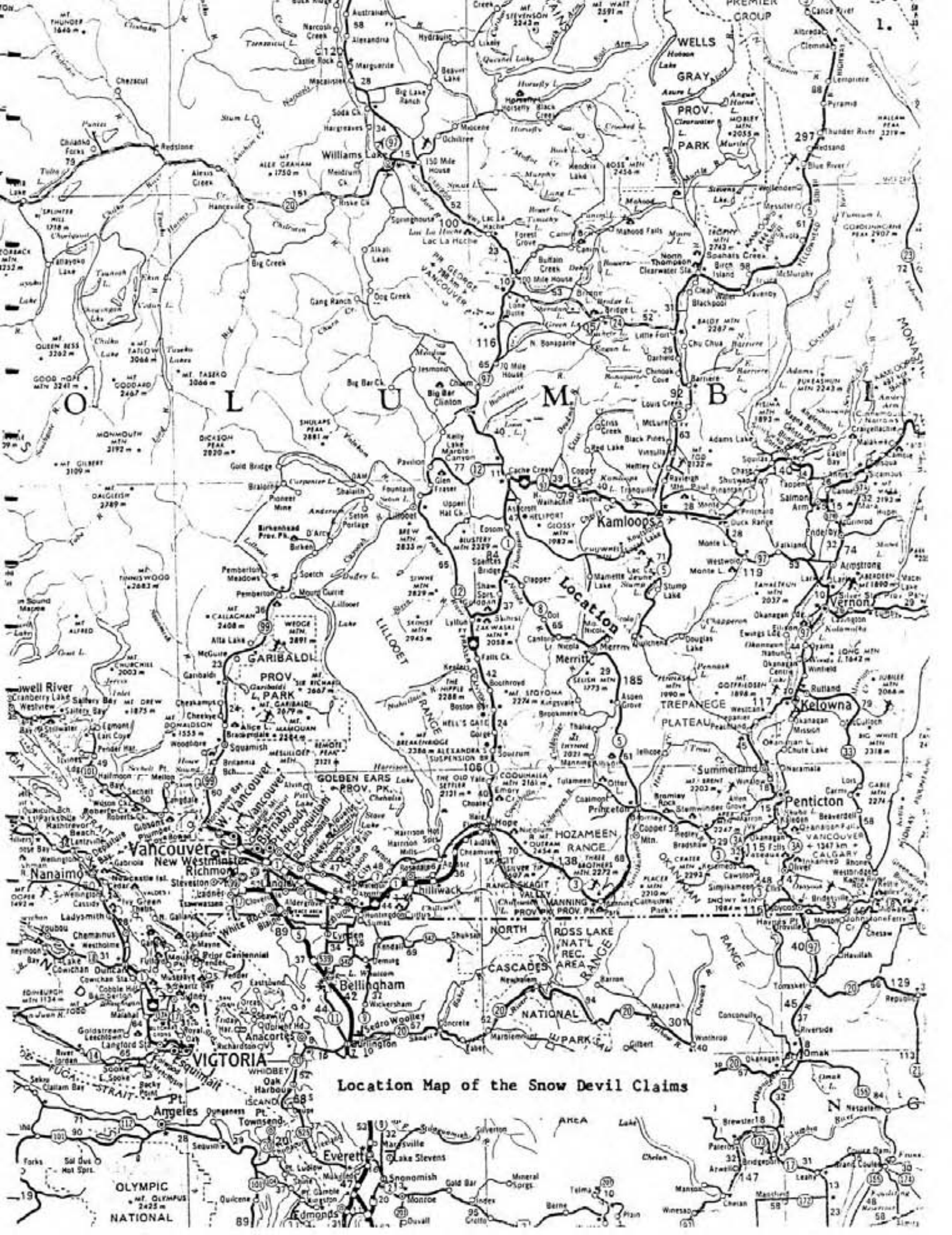
WORK

DONE:

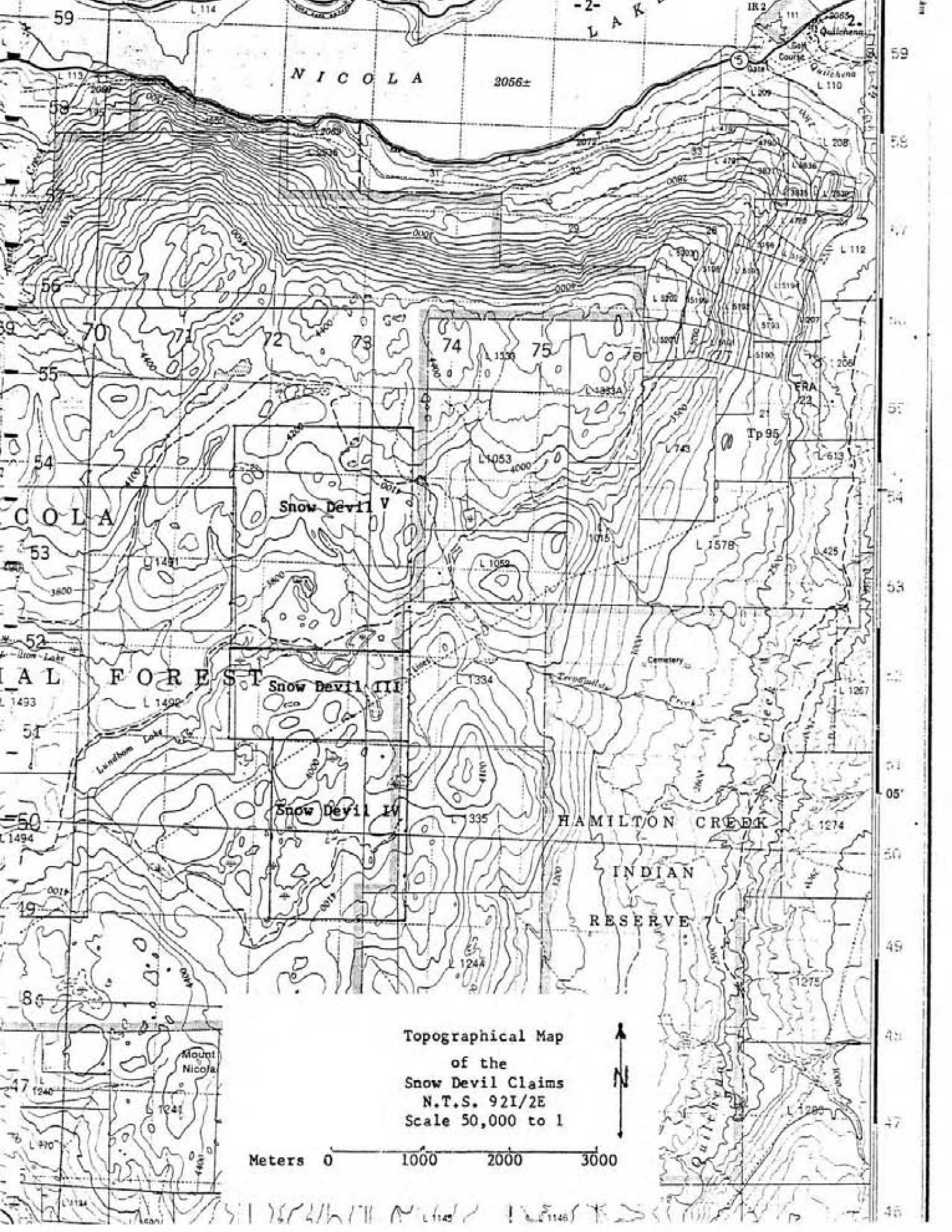
Prospecting

PROS 600.0 ha

Map(s) - 1; Scale(s) - 1:5000



Location Map of the Snow Devil Claims



NICOLA 3056±

COLA

FOREST

Snow Devil V

Snow Devil III

Snow Devil IV

HAMILTON CREEK

INDIAN RESERVE 7

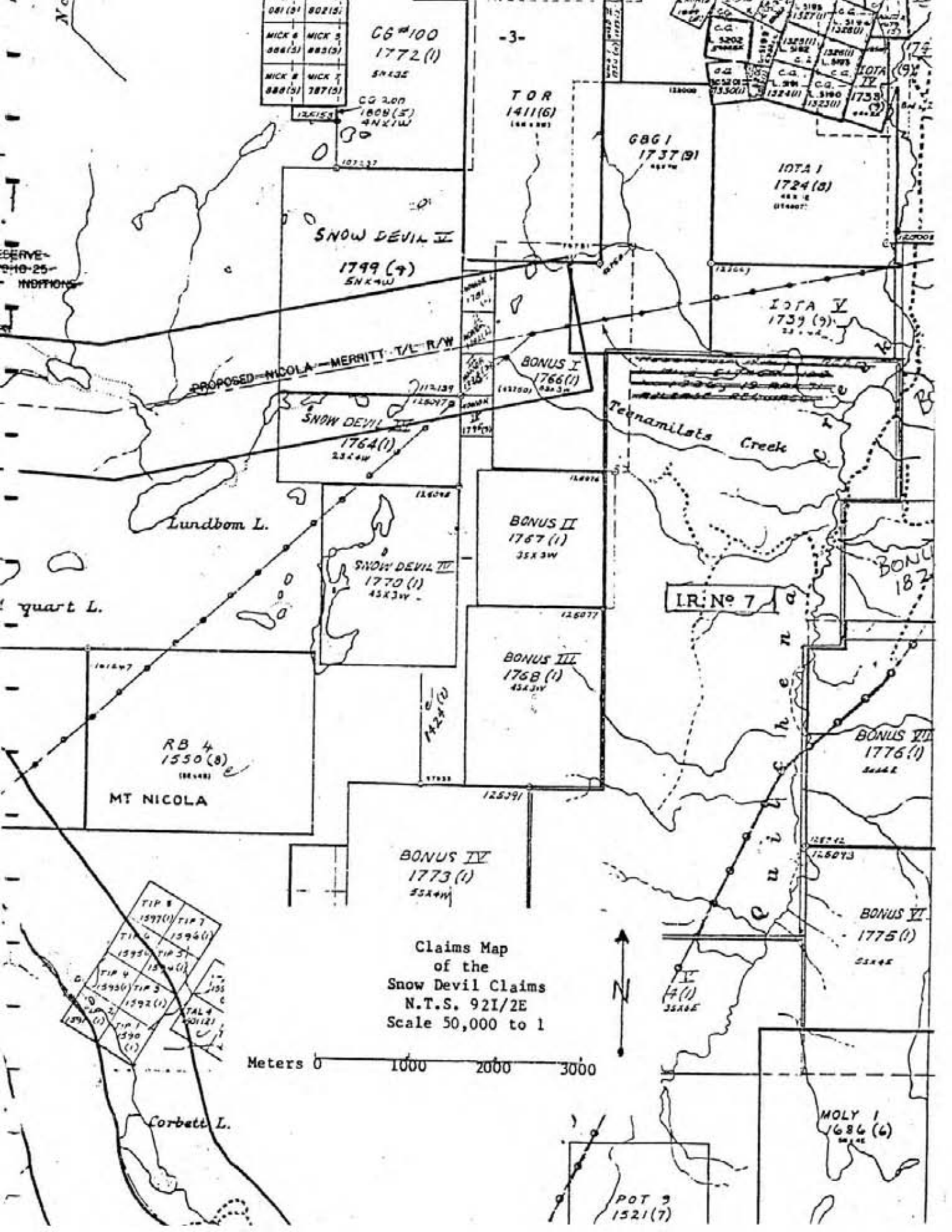
Topographical Map
of the
Snow Devil Claims
N.T.S. 921/2E
Scale 50,000 to 1



Meters 0 1000 2000 3000

Mount Nicola

Leon



081(5)	802(5)
MICK 8 888(5)	MICK 5 883(5)
MICK 8 888(5)	MICK 7 787(5)

CG #100
1772 (1)
54X3E

-3-

TOR
1411(6)
18X400

GBG I
1737(9)

IOTA I
1724(8)

SNOW DEVIL II
1799(4)
SNK4W

IOTA V
1739(9)

PROPOSED NICOLA-MERRITT T/L R/W

BONUS I
1766(1)

SNOW DEVIL III
1764(1)
2324W

Teenamiletz Creek

Lundbom L.

BONUS II
1767(1)
35X3W

SNOW DEVIL IV
1770(1)
45X3W

IR: No 7

quart L.

RB 4
1550(8)

MT NICOLA

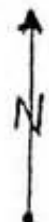
BONUS III
1768(1)
45X3W

BONUS V
1776(1)

BONUS IV
1773(1)
55X4W

BONUS VI
1775(1)

Claims Map of the Snow Devil Claims
N.T.S. 92I/2E
Scale 50,000 to 1



Meters 0 1000 2000 3000

Corbett L.

MOLY 1
1686(6)

POT 3
1521(7)

PROPERTY AND OWNERSHIP

The claims covered herein are as follows:

<u>Name</u>	<u>No. of Units</u>	<u>Tag No.</u>	<u>Record No.</u>	<u>Record Date</u>
Snow Devil V	4 (1Nx4W)	112139	1799	22 April 1987
Snow Devil III	8 (2Sx4W)	125097	1764	16 January 1987
Snow Devil IV	12 (4Sx3W)	125098	1770	20 January 1987

The Snow Devil claims were staked and recorded on claims map 92I/2E, 50°05.5' Lat. and 120°35' Long. in the Nicola, B.C. Mining Division by Richard Lodmell of Box 1192, Kamloops, B.C., V2C 6H3 phone (604) 376-0241 who is the owner of the claims.

LOCATION AND ACCESS

The Snow Devil claims are located 4 miles due south of Nicola Lake and the south-west corner of the Snow Devil III is 250 meters due east of Lundbom Lake in the Nicola Mining Division. The center of the claim group is at U.T.M. 5551500m N and 673000m E on N.T.S. map 92I/2.

The claims are easily accessible via highway 5 for 7 miles south-east of Merritt to the Lundbom Lake road, an all weather road, for 5 miles east to the claims. The claims are at elevations ranging from 3800' to 4200' with the terrain being of a gently sloping hills nature.

GEOLOGY AND VEGETATION

The area of the Snow Devil claims consists of the Nicola Group: greenstone; andesite, basalt; agglomerate, breccia tuff; minor argillite, limestone and conglomerate with an intrusion of granitic rock in the norther part of the claims.

The Nicola Plateau consists mostly of range and recreation lands with many spring fed ponds and lakes (the springs were noticed under snow cover in -5°C. weather while staking the claims). Timber is abundant by the lakes with good sized fir, pine and spruce with alder in the lower wetter areas. There is very little underbrush.

HISTORY

There has been mining activity in the Quilchena area since 1895 when mineral showings were first reported. The major working was the Guichon Mine which consisted of seven crown granted claims Frindsbury, Camperdown L4789, Ingersol L3835, Last Post L3838, Ensign L3836, Quilchena L4790 and Tete Rouge together with fourteen located claims. Immediately south of these claims is the Sunny Boy group L5190 - L5200, Shannon L5201 and Spitfires L5202-3.

Until recently the Quilchena/Nicola Plateau mining interest has been primarily for copper with areas of high values located. However in the fall of 1986 Iota Explorations Ltd. of Kamloops conducted an exploration program in the area of the Sunny Boy crown grants that resulted in the discovery of a vein of vuggy quartz material carrying gold in the vugs about ten feet below the surface. The vein was uncovered for about 300 feet and gave widths to 32 inches. A sample across the vein assayed at 42.6 oz/T gold.

It was due to the gold discovery that the writer staked the Snow Devil claims. The Snow Devils were located as close to the discovery as possible and situated where the topographical structure looks most favorable to intercept the event. There also appears to be a magnetic trending south-west to north-east in the area as well as a contact between granitic rock and the Nicola group on the Snow Devil V and III claims. Air borne Magnetic Survey Map 5209G and Geological Survey of Canada Map 886A are in the appendix.

Although there has never been any physical work done in the Snow Devils area (Airborne Mag. and E.M. over Snow Devil V area 1980) outlined below are reports of work done in the immediate vicinity. A map of the approximate locations of the report sites is in the appendix.

- Rpt.# 763 Magnetometer survey on Rick 1 - 20 claims by Fred Hemsworth Mining Engineer in 1966 for Ramada Mines. Geochem for Cu and Mo recommended
- Rpt.# 795 Geochemical survey on the Eve 1 - 20 claims by R.E. Renshaw P. Eng. in 1966. Survey shows high anomalous copper values, recommendations for further silver and moly sampling on a tighter grid.
- Rpt.# 8214 Magnetometer survey on Vic claim by Wilson Gewargis Geologist in 1980 for Kum Resources. The ground magnetics show good co-relation with the governments airborne survey.
- Rpt.# 8262 Geochemical survey on the Mick claims by L. Sookochoff P. Eng. in 1980 for American Energy Corp. Geochem for Cu, Pb, Zn, Ag, there were 2 known mineralized zones of tetrahederite and galena and the survey produced 4 anomalous zones a large Ag/Zn zone trends south to the Snow Devil V.
- Rpt.# 9591 Magnetic survey using total field on the Mick claims by J.M. Anderson for American Energy Corp. in 1981. Main anomaly trends north-south. A comparison of VLF-EM and geochem anomalies shows little comparison with the magnetic survey.
- Rpt.# 8506 Airborne magnetometer and E.M. survey on the Nicola 1 claim group (9 units) by H. Cohen P. Eng. in 1980 for Lodestar Energy. A distinct north-east south-west pattern is indicated. Four E.M. and four mag. anomalies. Three of the mag. anomalies indicate a strong structural trend

- Rpt.# 4325 Geochemical survey on Quilchena Creek claim by Agilis Exploration in 1973 for Toranado Development Corp. and Carolyn Mines. This property was immediatly south of the Snow Devil IV. The survey gave very high copper anomallies.
- Rpt.# 12256 Geochemical survey on Tor claims by G.V. Lloyd P. Eng. in 1983 for Futertek Communications Inc. A reconnosance grid shows anomalous gold values in south-west part of claim which is immediately east of the Snow Devil II.
- Rpt.# 12957 Preliminary Report on the Thel and Sun claims by R.T. Heard P. Eng. in 1984 for SXT Resources Ltd. The Snow Devil IV takes in about two units of the north-west corner of what was the Sun claim. It is highly unusual to find an engineering report recommending a \$ 84,000.00 work program with assessment reports.

WORK DONE

Daily Prospecting Reports
for the
Snow Devil Claims

- Sept 19, 1987 - Drove from Kamloops to claims site. Searched for a suitable camp site. A site was located on the west side of the claims on a penninsula jutting into Lundbom Lake from the South side of the lake. Returned to Kamloops.
- Sept 23, 1987 - Drove from Kamloops to campsite set up camp and did a reconnaissance of a claim road to north-east corner of Snow Devil V and plan tomorrow's work in this area.
- Sept 24, 1987 - Prospected the area set out yesterday from road to north-east. Examined road cut bank and found no developed soil horizon. This area is lightly forested by pine, fir, poplar with large patches of range type land. Occasional outcrops consist of basalt, diorite and granodiorite rock.
- Sept 25, 1987 - Located spot where corner post N5W4 was set and prospected in this corner of claim more water in this area more trees than yesterday some open land fewer outcrops same type of rock.
- Sept 26, 1987 - Concentrated prospecting in the north-central portion of the Snow Devil V Claim without encountering anything of interest. I'm deciding to break camp the days are fine there is no snow but the mornings are cold and uncomfortable.
- Oct 2, 1987 - Drove from Kamloops to claims. Prospected from road on the south-west of Snow Devil V over crest of hill to low swampish area north of hill and circled south around east base of hill and to road and returned to Kamloops. This area consists of a basalt intrusion with occasional diorite outcrops at the base no mineralization found.
- Oct 3, 1987 - Drove from Kamloops to claims. Prospected from station ~~W4N3~~ N3W4 east to cover west central area of Snow Devil V Claim without any encouraging finds. Returned to Kamloops.
- Oct 4, 1987 - Drove from Kamloops to claims. Prospected the south-west part of the Snow Devil V claim. Found some mineralized andesite (calcophyrite) float rock in the southern part of this area but nothing in place. The Snow Devil V Claim is of no further importance to me. Returned to Kamloops.
- Oct 17, 1987 - Drove from Kamloops to Merritt checked into the Douglas Motel and prepared for tomorrow's transit.

- Oct 18, 1987 - Prospected north-east portion of the Snow Devil III claim around three unnamed lakes and part of the south-east corner of the Snow Devil V Claim. There is more overburden in this area and swampish near lakes however this being a dry year the transit was unhindered by water. Rock in this area is of an andesitic nature. Because of the lakes and a change in the rock type from north of the lakes I suspect a contact zone near and will gechem in this area.
- Oct 19, 1987 - Prospected the west portion of the Snow Devil III Claim getting similar observations as yesterday and finding mineralized float rock (calco in andesite) But nothing in place.
- Oct 20, 1987 - Prospected the south-east portion of the Snow Devil III Claim to the power line cut. Much more outcropping unmineralized checked into the Grasslands Motel because of winter rate.
- Oct 21, 1987 - Prospected open cut powerline through Snow Devils III and IV Claims. Rock is basically of an andesitic nature striking in a north-easterly direction lots and lots of outcrop but very dissapointing not to find in place mineralization.
- Oct 22, 1987 - Prospected south-east corner of the Snow Devil IV Claim. Area is well forested with fir and pine and lots of overburden there is no surface signs of intrest in the south-east area off of the claim there is a history of high copper values. I will geochem here.
- Oct 23, 1987 - Prospected around unnamed lakes and into central part of the Snow Devil IV Claim. Same observations as yesterday I hoped one lakes shoreline would be of interest because of steepness in the southern part but to no avail.
- Oct 24, 1987 - Prospected north-east corner of the Snow Devil IV Claim and the south-east corner of the Snow Devil III Claim to the powerline with no more results or change than previously on the Snow Devil IV Claim.
- Oct 25, 1987 - Proceeded 150 meters south from the LCP of the Snow Devil III Claim on the claims east line. From there cut a geochemical base line 400 meters due west from that point and placed wooden stakes marked with red and yellow flagging and a teflon tag at 25 meter intervals. The stations were marked 00W + 00N, 25W + 00N etc. to 400W + 00N.
- Oct 26, 1987 - Ran 150 meter geochem lines from station 150W + 00N every 50 meters to 400W + 00N. Stations were flagged red and yellow and picketed where nessessary every 25 meters. Samples were taken at a depth of 12 cm with a madock in a BM type sandy soil horizon except for stations 250W + 75N to 150N, 200W + 00N to 150N and 150W + 00N to 150N where the soil was of a tuffish nature. The samples were placed in numbered kraft bags.
- Oct 27, 1987 - Returned to Kamloops.

CONCLUSIONS

The soil in the area of the Snow Devil Claims is known for deceptive geochemical results. I discussed the results that I obtained with prospectors who have worked and are working the claims to the immediate east of the Snow Devils. They have had difficulty getting geochem results that give a good indication of what could be expected under the overburden. For instance over the top of the quartz vein that they discovered their geochem result for gold was 12 PPB, this quartz vein is carrying gold values to 42 oz/T. The soil has not developed a BF horizon and is sandy, where the terrain slopes into drainage areas the soil becomes tuffish in nature, likley from an eruption of Mt. St. Helens volcano. From my experience with this type of soil geochem results are low due to the relative recentness of the ash.

While the geochem results I've obtained are low and unexciting one saving grace would be the shot in the dark geochem for gold that I ran from the pulp of the highest copper gechem (300W + 125N) where I got a 15 PPB gold. I would like to run all the pulps for gold, however due to the crash of October 19, 1987 the funding that I had expected was lost and I've also had to put off the geochem program in the south-east of the Snow Devil IV as well as having had to limit the geochem grid that I did do.

In 1988 to secure a resource companies interest to continue exploration on these claims.



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

January 15, 1988

CERTIFICATE OF ANALYSIS ETK 88-005

CLIENT: Rock Explorations
P.O. Box 1192
KAMLOOPS, B.C.
V2C 6H3

ATTENTION: Richard Lodmell

SAMPLE IDENTIFICATION: 42 soil samples received January 12, 1988

ETK#	Description	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Mo (ppm)
5 - 1	150 W + 00N	<.1	43	7	79	2	3
5 - 2	+ 25N	<.1	32	6	129	4	2
5 - 3	+ 50N	<.1	34	5	105	2	4
5 - 4	+ 75N	<.1	39	6	103	3	4
5 - 5	+ 100N	<.1	42	5	98	3	3
5 - 6	+ 125N	<.1	52	6	113	2	2
5 - 7	+ 150N	<.1	45	5	119	2	2
5 - 8	200 W + 00N	<.1	36	3	127	3	4
5 - 9	+ 25N	<.1	54	3	103	3	3
5 - 10	+ 50N	<.1	49	3	18	1	3
5 - 11	+ 75N	<.1	46	6	91	2	1
5 - 12	+ 100N	<.1	40	7	84	2	1
5 - 13	+ 125N	<.1	45	7	108	1	2
5 - 14	+ 150N	<.1	59	7	89	2	2
5 - 15	250 W + 00N	<.1	40	6	105	3	1
5 - 16	+ 25N	<.1	47	6	99	2	2
5 - 17	+ 50N	<.1	41	7	107	2	2
5 - 18	+ 75N	<.1	57	6	102	4	3
5 - 19	+ 100N	<.1	62	6	106	3	1
5 - 20	+ 125N	<.1	66	8	140	3	3


APPENDIX A

Rock Explorations

January 15 1988

ETK#	Description	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Mo (ppm)
5 - 21	+ 150N	.1	39	7	79	3	<1
5 - 22	300 W + 00N	<.1	52	7	95	2	1
5 - 23	+ 25N	<.1	56	7	83	3	<1
5 - 24	+ 50N	<.1	54	7	85	3	<1
5 - 25	+ 75N	.1	56	6	91	3	<1
5 - 26	+ 100N	.1	58	8	82	4	<1
5 - 27	+ 125N	.1	82	8	83	4	<1
5 - 28	+ 150N	<.1	49	8	81	3	2
5 - 29	350 W + 00N	<.1	69	7	90	2	<1
5 - 30	+ 25N	<.1	47	8	71	3	<1
5 - 31	+ 50N	<.1	54	6	82	2	2
5 - 32	+ 75N	<.1	71	5	84	4	2
5 - 33	+ 100N	<.1	46	6	72	3	1
5 - 34	+ 125N	<.1	56	6	79	3	1
5 - 35	+ 150N	<.1	68	5	85	5	2
5 - 36	400 W + 00N	<.1	37	6	95	1	1
5 - 37	+ 25N	<.1	51	6	94	2	2
5 - 38	+ 50N	.1	56	7	95	3	1
5 - 39	+ 75N	.1	48	7	81	2	2
5 - 40	+ 100N	.1	53	6	78	1	1
5 - 41	+ 125N	.1	68	5	87	3	2
5 - 42	+ 150N	.1	68	6	86	3	2

NOTE: < = less than


 ECO-TECH LABORATORIES LTD.
 Frank J. Pezzotti, A.Sc.T.,
 B.C. Certified Assayer

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Page 2 of 2

ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING



Eco-Tech
LABORATORIES LTD.

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

February 4, 1988

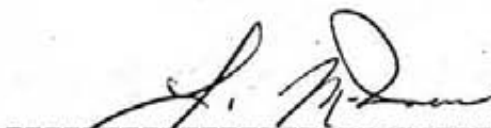
CERTIFICATE OF ANALYSIS ETK 88-5a

CLIENT: Rock Explorations
P.O. Box 1192
KAMLOOPS, B.C.
V2C 6H3

ATTENTION: Richard Lodmell

SAMPLE IDENTIFICATION: 42 soil samples received January 12, 1988
SAMPLE #27 Geochem Au (insufficient sample
for assay)

<u>ETK#</u>	<u>Description</u>	<u>Au (ppb)</u>
5 - 27	300W + 125N	15

FOR


 ECO-TECH LABORATORIES LTD.
 Frank J. Pezzotti, A.Sc.T.,
 B.C. Certified Assayer

FJP/jmb

EW/MISC1/5/5

Itemized Cost Statement
For Prospecting
on the
Snow Devil III, IV & V Claims
September 19, 1987 to October 27, 1987

LABOUR

Richard D. Lodmell 19 days @ \$100.00/Day \$ 1,900.00

EXPENSES

Meals for 19 days @ \$20.00/Day	380.00
Camp supplies for 4 days estimate	40.00
Douglas Motel for 3 days	110.16
Grasslands Motel for 7 days	145.89
Geochemical supplies - stakes, flagging, tags, bags, topofoil, est.	50.00
Geochem assays	233.56
Jeep expense - 4 days Kamloops Claims & return	
4 days Kamloops Claims one way	
9 days Merritt Claims & return	
2 days on Claims	
<u>19 days estimate cost</u>	270.00

REPORT PREPARATION

2 days @ \$100.00/Day	200.00
Typing, stationary, reproducation etc. estimate	100.00
Total cost	<u>\$ 3,429.71</u>

AUTHORS QUALIFICATIONS

I Richard D. Lodmell of Box 1192, Kamloops, B.C. V2C 6H3 phone 376-2473
have the following prospecting and related experience: C 241

- 1972 Trenching and diamond drillers helper on northern Vancouver Island for Giant Explorations
- 1973 Drilling, blasting and highgrading ore on the Lucky Coon claims on the Adams Plateau, B.C.
- 1974 Drilling and blasting in central and northern B.C. for R.F. Welch Ltd.
- 1975 Geochemical surveys for Craigmont Mines in the Shuswap Lake area of B.C.
- 1976-1978 Seismic work throughout Alberta for Century Geophysical Corp.
- 1979-1982 Prospected the Sooke area on Vancouver Island. Prospected the Pitt Lake area of B.C. and staked a mineral claim. Prospected the Kootnay area of B.C. and staked a mineral claim which was optioned to Albury Resources. I.P. line cutting in the Ymir area for Pearson-Gallagher, Shell Oil. Geophysical and geochemical prospecting with L.D. and J.A. Iutjen in the south central region of B.C. (McPhar 800 and S.P.) Staked 12 properties from Beaverdell to the Adams Plateau.
- 1982-1983 Recieved my geophysical certification from Malaspina College. Did a geophysical survey on Ground Hog Basin for Aurun Minerals Ltd. (Geonics 816-G Proton Mag. and EM-16 VLF-EH), including geochemical sampling, geophysical mapping and grid layout. Geochemical sampling and geological mapping for Tylox Resources Ltd. on the AU 1&2 claims in the Monashee Pass, B.C.
- 1983-1984 Geophysical survey on the Golden Eagle claims for MacKenzie Range Gold Inc., including mapping and interpretation. (Scintrex MF-2 Magnetometer, Sabre Model 27 VLF-EH, and S.P.). Geophysical and geochemical survey on the Golden Quartz 1-12 on Adin Mt. for MacKenzie Range Gold Inc. (Scintrex MF-2 and Sabre Model 27 VLF-EH).
- 1984-1985 Geophysical and geological surveys and assessment reports on the Golden Loons I to IV (80 units), Golden Goose (20 units), Golden Mallard (20 units) and the Golden Jack (20 units) for Barnes Creek Minerals Corp., including mapping, profiles, contours and interpretation (Scintrex MF-2 Magnetometer, Sabre Model 27 VLF-EH and S.P.). Assessment report on the Otto claims (geophysical) on the Adams Plateau for M. Riley. Assessment report on the Alina I for Alina Resources Ltd. (Scintrex MF-2 magnetometer).

Richard Lodmell
Certified Geophysical Prospector

MALASPINA COLLEGE

Statement of Course Completion

RICHARD LODMELL

has

Successfully Completed 180 Hours of Instruction
in

MINERAL EXPLORATION FOR PROSPECTORS

PRESENTED BY B.C. MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
B.C. MINISTRY OF EDUCATION

APRIL 16 to 30, 1983 - MESACHIE LAKE, B.C.

MAY 2, 1983

Dated at Nanaimo,
British Columbia, Canada



Malaspina
College

Richard Lodmell

Director/Dean

[Signature]

Registrar

[Signature]

Instructor

