85-154-13557
04/86

GEOLOGICAL BRANCH ASSESSMENT REPORT

13,557

GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

REG 1 - 8 CLAIMS

KAMLOOPS MINING DIVISION

BRITISH COLUMBIA

N.T.S. 82M/12E

LAT. 51° 35' - LONG. 119° 34'

BY

J. NEBOCAT

MARCH 15, 1985

CLAIM OWNER:	Newmont Exploration of Canada Limited
OPERATOR:	Newmont Exploration of Canada Limited
WORK DONE BETWEEN:	July 5 and October 29, 1984

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MAP 2 GEOCHEMISTRY (Cu, Pb, Zn)

MAP 3 GEOCHEMISTRY (Ag, Au, As)

1.0 INTRODUCTION

1.1 Location, Access, Topography

The Reg 1-8 claims are located between 5 km and 14 km due east of Vavenby, B.C., a small town along the North Thompson River and Yellowhead South Highway. Access is via the Adams Lake forestry road which starts at Vavenby and courses easterly through the Reg claims.

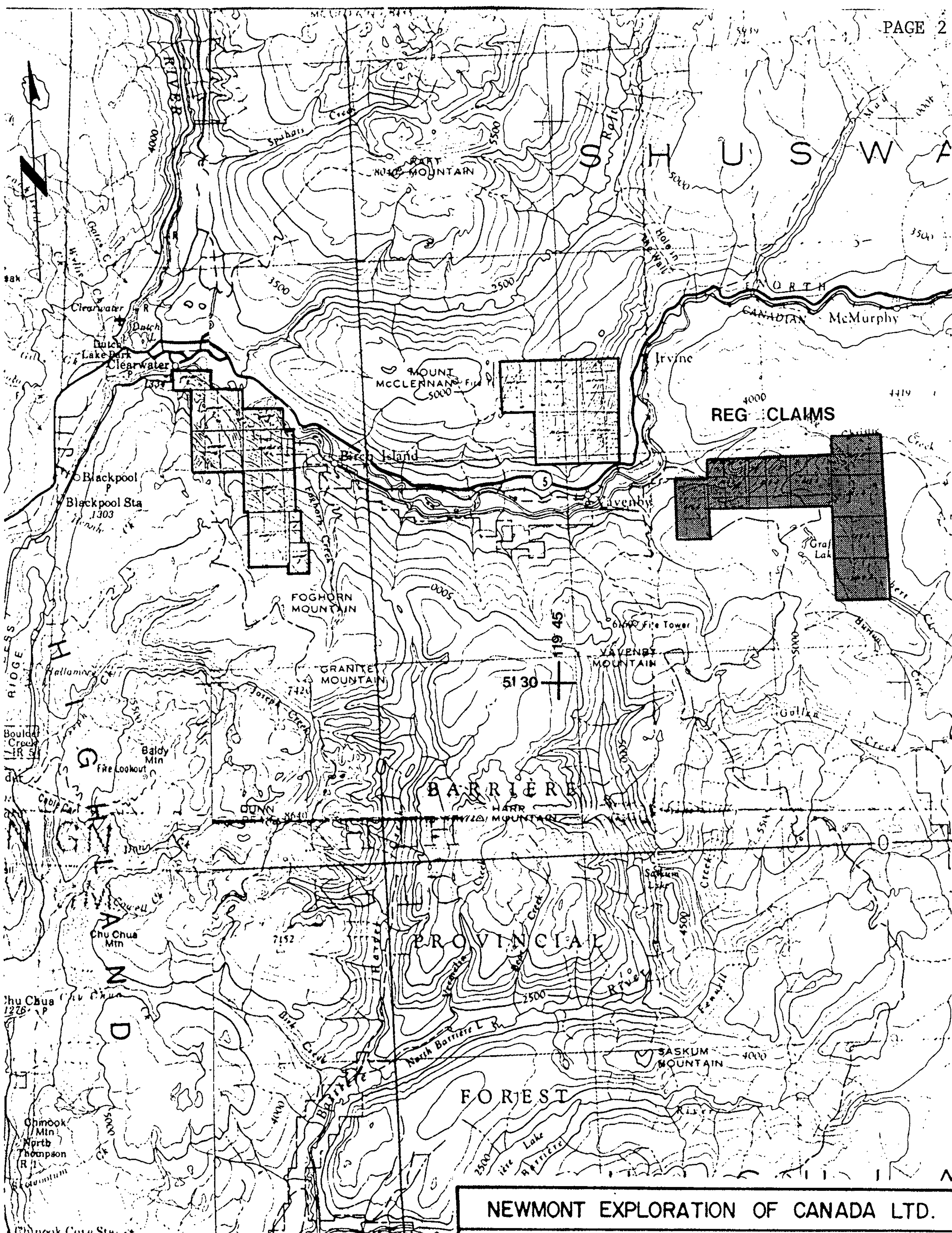
The claims are situated in the Shuswap Highland in the southern part of the Cariboo Mountains; the Adams Plateau occurs southeast of the property.

Relief on the property is roughly 700 m (2300') with elevations ranging from 600 m (2000') ASL to 1300 m (4300') ASL. Topography varies from steeply-incised creeks to gentle rolling plateaux, but most of the terrain underlying the property is fairly steep.

The claims are heavily forested with coniferous species such as cedar, hemlock, spruce, and fir, and with numerous deciduous types, typically poplar, aspen, and alder. Underbrush is fairly dense throughout and includes various shrubs, ferns, willow, and devil's club. Portions of the claims have been logged-principally the plateaux. Glacial till underlies most of the claims.

1.2 History

The Reg 1-7 claims comprise 140 units and were staked by Newmont Exploration of Canada Limited between May 3, 1984 and May 9, 1984; the 18 unit Reg 8 claim was added by Newmont Exploration of Canada Limited on July 11, 1984. The Chi claim, owned by Cima Resources Ltd., is enveloped by the Reg 1 claim.



SCALE

0 5 10 Kilometers

NEWMONT EXPLORATION OF CANADA LTD.

CLAIM INDEX MAP
REG CLAIMS

SCALE 1:250,000	LOCATION 82M	DATE March 15, 1985
SURVEY BY VAT	DRAWN BY VAT	NO. 1

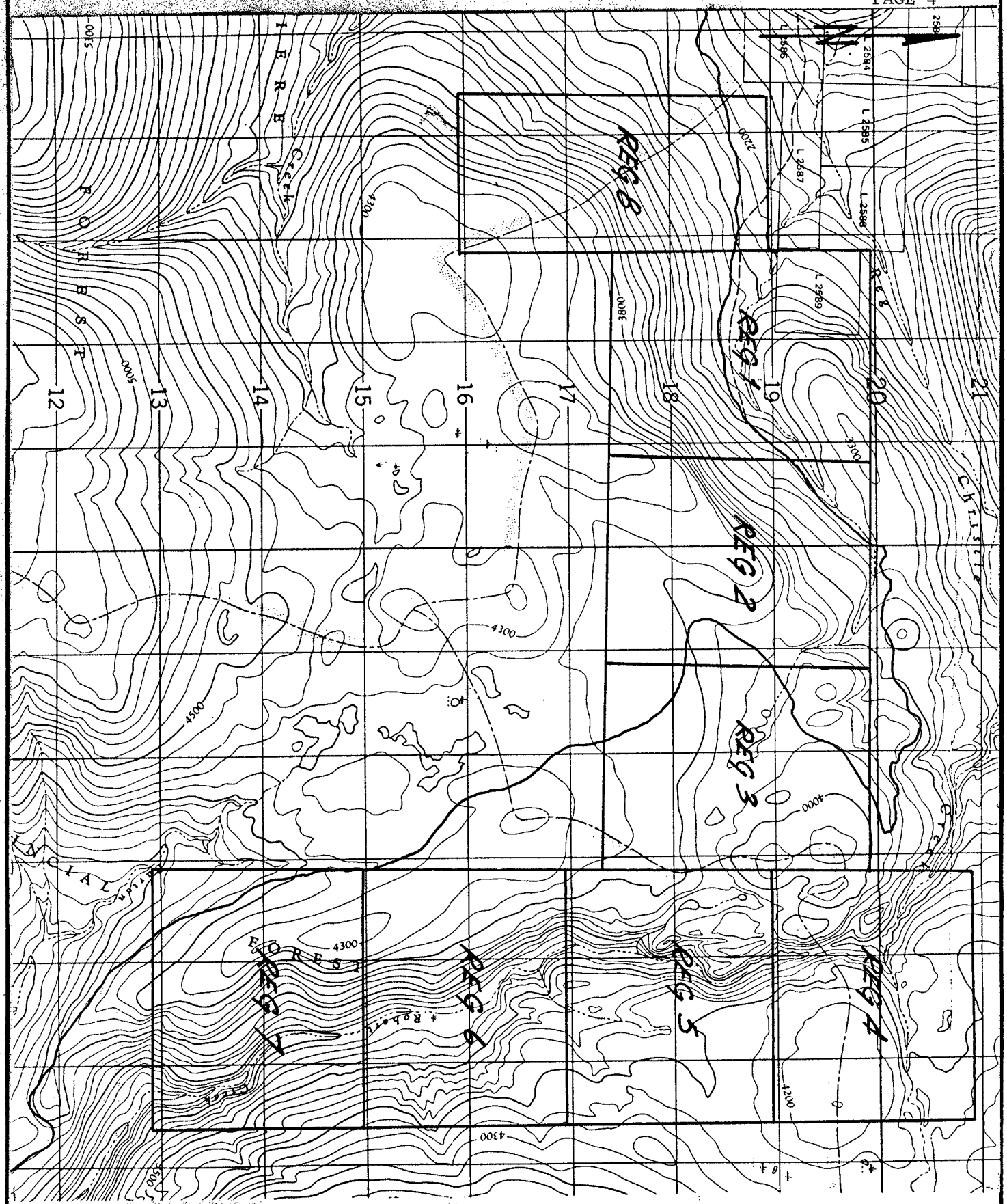
The Chi claim is staked on a stratabound zone of disseminated copper mineralization discovered by Nicanex Mines Ltd., in 1969. After drilling three short holes on the showing in 1970, they allowed the claims to lapse; Barrier Reef Resources acquired the ground as the Pipe and Exhalite claims in July, 1977. Cima Resources staked the ground in August, 1983.

The Upper Paleozoic Eagle Bay Formation hosts major stratabound Cu and Pb-Zn deposits, such as the Harper Creek and Mt. McLennan deposits, respectively, as well as numerous small deposits. The Rexspar uranium deposit, located 4 km south of Birch Island, occurs in a brecciated trachyte believed to be a contemporaneous volcanic vent. The recent discovery of the Rea gold deposit, west of Adams Lake, shows that the Eagle Bay Formation has good potential for hosting precious metal, as well as base metal, stratabound deposits.

1.3 Claim Status

The following is a summary of the claim status of the Reg 1-8 claims.

CLAIM NAME	UNITS	RECORD NUMBER	RECORD DATE
REG 1	20	5698	May 29, 1984
REG 2	20	5699	May 29, 1984
REG 3	20	5700	May 29, 1984
REG 4	20	5701	May 29, 1984
REG 5	20	5702	May 29, 1984
REG 6	20	5703	May 29, 1984
REG 7	20	5704	May 29, 1984
REG 8	18	5824	Aug 9, 1984



NEWMONT EXPLORATION OF CANADA LTD.		
LOCATION MAP REG CLAIMS		
SCALE 1:50000	LOCATION 82H/12	DATE MARCH 15, 1985
SURVEY BY JAT	DRAWN BY JAT	NO. 2

1.4 Summary of Work

Between July, 1984 and October, 1984, the Reg claims were geologically mapped, silt sampled and rock sampled. A chain and compass grid was located on the Reg 1-3 claims in preparation for a reconnaissance magnetometer and VLF-EM survey, but heavy snowfall in late October halted further fieldwork. The work was performed by geologists Jim Turner, Larry Diakow, Bob Lane, Tom Hanel and assistants Lindsey Martin, Rob Kowalski, Stan Seney, Alan Sheldon, and Jim Laird.

The geology was mapped and plotted at 1:10,000 scale and covers an area of approximately 30 km^2, or 3000 hectares. Control for mapping was provided by the topographic base map and by air photos. As much of the property is heavily drift covered, considerable time was taken in searching for outcrop and "float mapping".

A total of 83 silt samples and 42 rock samples were taken on the claims.

The length of the reconnaissance grid established totals 15.55 line-kilometres.

1.5 Work Breakdown

A breakdown of the work done on each claim is as follows:

TYPE OF WORK	CLAIM
Geologic mapping	Reg 1-8
Silt sampling	Reg 1-8
Rock sampling	Reg 1-3
	Reg 7-8
Grid establishment	Reg 1-3

2.0 GEOLOGY

2.1 Regional Geology

The Reg 1-8 claims are underlain by the Upper Paleozoic Eagle Bay Formation - a highly contorted and metamorphosed assemblage of felsic to intermediate volcanics, limestone, shale, and minor conglomerate. The Eagle Bay rocks grade into the Shuswap Metamorphic Complex to the east and are intruded by the Cretaceous Baldy and Raft Batholiths near the north-central portion of their occurrence.

The G.S.C. Map (O.F. 637) shows a sequence of chloritic schist and greenstone; sericitic phyllite, schist, and quartzite; limestone; and argillite underlying the Reg claims. A contorted antiformal structure, shown to underlie portions of the Reg 1-3 claims, suggests that multiphase folding has taken place. Our mapping along the projected southern limb of this structure revealed a variety of dips ranging from SW to SE which may support this interpretation.

2.2 Property Geology

The geology mapped by Newmont (Map 1) correlates well with the G.S.C.'s classification and stratigraphy, except for some slight variations in lithological description. The paucity of outcrops throughout much of the area hampers accurate correlation between units and in sorting out the stratigraphy. A tentative sequence in the western part of the property is as follows: siliceous metasediments (unit 5) overlain by andesite and chlorite schist (unit 4); grey-black argillite and phyllite (unit 1); interbedded chlorite schists and carbonate (unit 3); andesite (unit 4); massive limestone (units 6); and chlorite schist and andesite (unit 4). Whether or not some of these repetitions are due to folding, thrusting, or interfingering is not clear.

In the eastern part of the property, the siliceous metasediments (unit 5) are in fault contact with the interbedded chlorite schist and carbonate (unit 3), along Robert Creek. There rocks are in turn overlain by chlorite schist and andesite (unit 4). A granodiorite, intruded by pegmatite dykes, is also in fault contact with unit 5 rocks along Robert Creek, but further to the south. This granodiorite is either of Mesozoic age or it belongs to the Shuswap Metamorphic Complex (?Proterozoic?).

Variations in shear directions between andesites and overlying argillites, along Reg Christie Creek, suggests that a thrust fault may occur here. Normal and/or transverse faulting has further confused the geology in the area between the headwaters of Robert Creek and Reg Christie Creek.

2.3 Mineralization

Disseminated chalcopyrite and pyrite are reported to occur on the Chi claim in a quartz-chlorite-sericite schist. This is similar to the Harper Creek deposit where disseminated chalcopyrite and pyrite occurs in a quartz-sericite-chlorite schist. Similar mineralization exists along the Adams Lake road just 200 m west of the Chi claim; this is probably part of the south zone found by Barrier Reef in 1977. One meter chip samples taken from showing yielded values ranging from 134 ppm Cu to 1090 ppm Cu; a grab sample ran 3389 ppm Cu. (see Appendix I)

A calc-silicate horizon, within the argillite/phyllite unit, outcrops along the Adams Lake road on the Reg 3 claim. Minor disseminated chalcopyrite, pyrrhotite, and magnetite occurs within it; two chip samples yielded values of 193 ppm Cu, 195 ppb Au and 197 ppm Cu, 185 ppb Au over 2.0 m and 1.3 m, respectively. All other rock samples ran less than 45 ppb Au.

On the Reg 7 claim, and 500 m west of Robert Creek, a sericitic quartzite hosts minor disseminated chalcopyrite and pyrite; a grab sample taken from the showing ran 924 ppm Cu.

A pyritic zone within argillites outcrops near the SW corner of the Reg 1 claim. No visible economic mineralization was noticed in this section, but individual samples ran as high as 222 ppm Cu, 119 ppm Pb, 0.9 ppm Ag, 169 ppm Zn, and 56 ppm As. A quartz vein, which cuts the argillite and hosts chalcopyrite/malachite mineralization, ran 334 ppm Cu, 133 ppm Pb, 242 ppm Zn, and 10.7 ppm Ag.

Just north of Reg 2, along the Adams Lake road, some quartz-sericite schist contains up to 1-5% disseminated pyrite. One grab sample from here ran 141 ppm Cu, 272 ppm Pb, 92 ppm As, and 42 ppb Au. Another grab sample ran 184 ppm Pb.

3.0 GEOCHEMISTRY

A total of 83 silt samples and 42 rock samples were taken on the Reg claims. Major streams were sampled at roughly 200 m intervals while seeps were sampled where encountered.

Rock samples were taken from outcrops in various locations on the property, where sulphides were observed. Most of the samples were taken over measured intervals, but a few of them were grab samples.

3.1 Analytical

The samples were collected in kraft paper or plastic envelopes and sent to Acme Analytical Labs in Vancouver. There they were dried, sieved to -35 mesh, pulverized, and analyzed for 5 elements, or 30 elements, by Inductively Coupled Plasma (I.C.P.) technique.

In this method a 0.5 gm sample is digested with 3 ml of 3:1:3 nitric acid to hyrochloric acid to water at 90° for 1 hour and the sample is diluted with water to 10 ml and then analysed in the I.C.P. unit.

For Au, a 10 gm sample that has been ignited overnight at 600° is digested with hot dilute aqua regia, and the clear solution obtained is extracted with Methyl Isobutal Ketone (MIBK). Au is determined in the MIBK extract by atomic absorption, using a background correction (detection limit = 5 ppb). For rocks, gold is determined by a separate fire assay.

3.2 Results and Interpretation

The sample numbers and the values for Cu, Pb, and Zn (all in ppm) are plotted on Map 2; the values for Ag, Au, and As (ppm, ppb, and ppm resp.) are shown on Map 3. Since the number of samples taken was fairly small, no statistics were determined and the threshold values were estimated by inspection.

3.2.1 Silt Samples

The silt sample values were, for the most part, quite low in all the elements tested for; however, a few seeps draining an area 1 km SW from the Chi claim yielded weakly anomalous results in Cu. Three samples ran 51 ppm, 69 ppm, and 78 ppm Cu. These values probably reflect a high Cu background in andesites, or some weak mineralization similar to that seen in the argillites nearby. Values of 217 ppm Zn and 37 ppm As accompany the sample which ran 69 ppm Cu.

Near the headwaters of Cedar Creek, along the NE corner of the Reg 2 claim, a sequence of silt samples run 138 ppm, 104 ppm, 95 ppm, 95 ppm and 81 ppm Zn over a 1 km distance, downstream.

The stream drains a series of intercalated limestones and andesites which outcrop along the creek. An argillite, found in outcrop along the road 900 m east from here, is projected beneath the carbonate/andesite sequence and may be similar to the rock that hosts the pyritic zone, SW of the Chi claim. Our interpretation suggests that this may be an extension of that same stratigraphic sequence. No mineralization was found here, yet.

A few, weak (120 ppm), single sample Zn anomalies occur elsewhere on the claims - they appear to be of no significance.

3.2.2 Rock Samples

The results of the rock sampling survey are discussed under **Mineralization**, and nothing more of significance can be added here. A list of rock samples taken is shown in Appendix I.

4.0 CONCLUSIONS

1. The copper showing in andesites, just west of the Chi claim, suggests that the potential for finding a Harper Creek - type, stratabound, disseminated copper deposit is good.

2. Anomalous base metal and precious metal values, occurring in altered zones within argillite on the Reg 1 and Reg 3 claims, are encouraging targets for exploration. The Mt. McLennan deposit occurs in a similar stratigraphic sequence where a massive limestone overlies quartz-sericite schist and calc-silicate horizons that host polymetallic, massive sulphide mineralization.

3. If an overturned anticline underlies the Reg 1-3 and Reg 8 claims, there is a good chance of finding repetitions of mineralized horizons, at depth.

5.0 RECOMMENDATIONS

1. A grid should be established between the Reg 8 and Reg 3 claims to explore the favourable horizon(s).

2. A pulse electromagnetic and a proton magnetometer survey should run over the grid.

3. Detailed mapping, prospecting, and rock sampling should be done on the grid.

John Nebocat

John Nebocat

March 15, 1985
Vancouver, B.C.

REFERENCES

DAWSON, J. M. 1978: Geological, Geochemical, and Geophysical Report on the Pipe - Exhalite Claim Groups, Kamloops Mining Division. Assessment Report No. 6933.

LEITCH, H. C. B. 1962: Report on the Sinbad Roc Group, McLennan Mountain, North Thompson River Area. Assessment Report No. 0436.

MONTGOMERY, J. 1981: After You Property, Kamloops Mining Division. Geology, Geophysics and Geochemistry. Assessment Report No. 9959.

OKULITCH, U. J. ET AL 1977, 1978: Thompson-Shuswap-Okanagan, Map A: Lithology, 1:250,000, Geological Survey of Canada, Open File # 637.

PRETO, V. A. G. ET AL., 1983: Preliminary Map #53, Geology of Barriere River-Clearwater Area, 1:50,000, Ministry of Mines, Energy & Petroleum Resources.

STATEMENT OF COSTS

LABOUR

Project Geologist
July 5-9, 12-13, 15-16, 18, 22, 1984
Sept 11-13, 19-20, 22, 23, 29-30, 1984
Oct. 1-2, 29-31, 1984
Nov. 1-2, 1984
27 days @ $125/day = $3,375.00

Geologists

1. Sept. 11-13, 19-20, 22, 23, 29-30, 1984
   Oct. 1-2, 1984
   11 days @ $150/day = $1,650.00
2. July 5-9, 12-13, 15-16, 18, 22, 1984
   11 days @ $97.50/day $1,072.50
3. Sept 11-13, 19-20, 22-23, 29-30, 1984
   Oct. 1-2, 19-20, 22-23, 1984
   15 days @ $110/day $1,650.00
4. March 1, 4-5, 1984
   3 days @ $125/day $ 375.00

Field Assistants

1. July 5-9, 12-13, 15-16, 18, 22, 1984
   11 days @ $72.50/day $ 797.50
2. July 5-9, 12-13, 15-16, 18, 22
   11 days @ $82.50/day $ 907.50
3. Oct. 15-16, 22-23, 28-29, 1984
   6 days @ $100/day $ 600.00
4. Oct. 19-24
   6 days @ $80.00/day $ 480.00
5. Oct 19-24
   6 days @ $90.00/day $ 540.00

Draughtsman	
March 7-8, 1985	
2 days @ $101/day	$ 202.00
	$11,649.50

ACCOMMODATIONS

$20.38/man-day x 85 man-days	$ 1,732.30

FOOD

$21.76/man-day x 89 man-days	$ 1,936.64

TRANSPORTATION

4 X 4 Suburban: $65.00/day x 24 days (incl. fuel)	$ 1,560.00

ASSAYS

silt:	83 x $11.85/sample (30 el. ICP + Au) = $983.55	
rock:	18 x $11.35/sample (5 el. ICP + Au) = $204.30	
rock:	24 x $14.25/sample (30 el. ICP + Au) = $342.00	
		$ 1,529.85

MISCELLANEOUS

Typing, printing, hardware etc	$ 200.00
TOTAL	$18,608.29

Cost distribution between Reg A Group and Reg B Group was calculated as a percentage of total area occupied by each group.

REG A GROUP (REG 1, REG 2, REG 8)	REG B GROUP (REG 3, REG 4, REG 5, REG 6, REG 7)
Area: 37%	Area: 63%
Cost: 0.37 x $18,608.29 = $6,885.07	Cost: 0.63 x $18,608.29 = $11,723.22

STATMENT OF QUALIFICATIONS

I, John Nebocat, do hereby certify that:

1. The geological mapping and supervision of geochemical sampling were done by geologists J. Turner (B.Sc. U.B.C., 1973), L. Diakow (B.Sc. U. Of Saskatchewan, now on PhD at U. of Western Ontario), R. Lane (B.Sc. U.B.C., 1984), T. Hanel (B.Sc. U. of Manitoba, 1982).

2. The compilation of data and writing of this report were done by John Nebocat.

3. I am a graduate of British Columbia Institute of Technology (1974) and hold a diploma in Mining Technology.

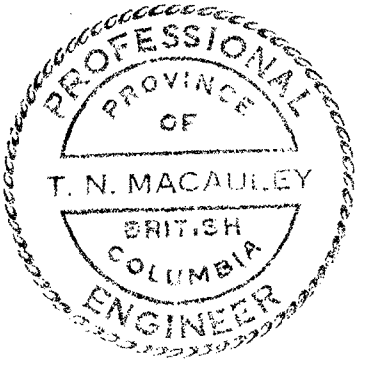
4. I will be graduating from the Montana College of Mineral Science & Technology in May, 1985 with a B.Sc. in Geological Engineering.

5. I have been employed in mining exploration by Newmont Exploration of Canada Limited in British Columbia and Yukon since 1977, with the exception of 18 months in 1982-84 when I was attending university.

John Nebocat

John Nebocat

I, Terrence N. Macauley do hereby state that the work described in this report was done under my direction.



T. N. Macauley

T. N. Macauley, P.Eng.

APPENDIX I

ROCK SAMPLES - REG CLAIMS

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB
00309R	48	26	4	.1	3	2
00310R	222	7	169	.4	14	2
00311R	14	6	56	.1	19	1
00315R	31	18	49	.1	9	3
00316R	33	11	40	.1	6	1
00317R	57	27	93	.1	7	1
R05274	334	133	242	10.7	19	13
R05275	74	119	23	.9	56	11
R05276	796	9617	42	15.4	43	15
R05277	50	78	128	.4	5	2
R05278	89	36	66	.5	25	4
R05279	24	13	39	.3	4	1
R05280	28	3	95	.2	3	1
R05281	14	10	49	.1	2	1
R05282	6	12	55	.1	2	5
R05283	104	9	75	.3	3	3

Sample No.	(ppm) Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	% Fe	(ppm) As	U	Au	Th	Sr	Cd	Sb	Bi	V	% Ca	% P	(ppm) La	Cr	% Mg	ppm Ba	% Ti	ppm B	% Al	% Na	% K	ppm W	ppb Au
R-00319	1	16	3	28	.1	2	3	200	1.36	2	5	ND	8	4	1	3	2	3	.07	.01	9	3	.21	30	.01	2	.42	.03	.07	2	1
R-00320	1	36	5	40	.1	4	3	272	1.44	2	6	ND	10	9	1	3	2	3	.28	.02	18	4	.27	47	.01	3	.51	.05	.08	2	1
R-01106	1	95	37	84	.1	23	10	526	6.75	2	5	ND	13	9	1	2	2	10	.05	.04	7	24	1.09	51	.01	30	1.81	.01	.13	2	6
R1107	1	6	11	4	.1	1	1	40	.05	2	5	ND	15	4	1	2	2	2	.04	.02	16	4	.01	34	.01	2	.12	.02	.08	2	1
R1108	6	1090	20	77	.4	28	13	249	.23	3	38	ND	48	78	1	3	2	24	.43	.15	44	18	1.26	121	.06	2	1.09	.02	.87	2	33
R1109	109	831	10	33	.2	32	19	291	.19	2	49	ND	25	50	1	2	5	8	.38	.12	52	8	.55	80	.02	3	.59	.01	.44	2	37
R1110	8	720	12	22	.2	18	8	340	.11	2	36	ND	18	22	1	2	4	4	.16	.06	51	6	.24	77	.01	2	.34	.01	.22	2	18
R1111	28	328	17	36	.2	21	10	896	.21	3	18	ND	12	213	1	2	3	7	3.00	.06	33	6	1.36	58	.01	2	.44	.01	.26	2	14
R1112	11	134	10	38	.1	29	13	228	.17	2	9	ND	12	21	1	2	5	5	.15	.05	20	8	.43	149	.01	2	.60	.01	.16	2	5
R-01144	1	25	184	85	.4	14	7	410	2.94	2	5	ND	11	7	1	2	2	18	.12	.04	12	5	.52	40	.01	5	.75	.01	.15	2	2
R-01145	1	141	273	72	.6	11	41	194	8.71	92	5	ND	8	12	1	2	4	42	.16	.14	2	4	.95	35	.01	2	1.17	.01	.14	2	42
R-01146	1	21	52	18	.4	7	4	225	1.75	3	5	ND	9	12	1	2	2	3	.27	.03	11	7	.19	26	.01	4	.24	.02	.10	2	5
R-01147	2	65	43	55	.3	99	23	1225	3.62	2	5	ND	11	221	1	2	2	10	6.79	.07	15	36	.84	31	.01	2	.91	.01	.08	2	3
R-01148	2	193	24	67	.3	22	10	1171	5.46	6	5	ND	7	50	1	2	2	12	3.17	.04	4	10	.46	28	.05	2	.99	.01	.01	2	195
R-01149	2	197	13	94	.1	27	10	733	2.71	5	5	ND	5	33	1	2	2	7	.82	.06	4	10	.25	102	.08	3	.66	.01	.01	2	185
R4901	1	924	8	41	.1	2	2	272	.15	2	7	ND	9	20	1	2	8	2	.86	.06	16	3	.27	33	.01	2	.61	.02	.08	2	4
R-04902	1	26	21	83	.2	11	5	278	4.36	25	5	ND	8	17	1	2	5	15	.03	.04	8	19	1.07	73	.01	2	1.59	.01	.12	2	2
R04905	37	142	24	55	.6	205	32	1448	6.71	8	5	ND	7	488	1	2	2	12	7.74	.12	8	22	2.01	92	.01	9	.31	.02	.04	2	4
R04906	1	104	21	70	.5	215	35	1443	6.45	6	5	ND	5	422	1	2	2	21	7.76	.13	8	44	2.26	82	.01	7	.44	.02	.05	2	4
R04907	1	67	12	93	.3	199	32	1131	6.14	11	5	ND	6	277	1	2	2	49	7.71	.14	9	168	3.71	68	.01	7	1.99	.02	.04	2	1
R04908	4	103	41	405	.4	69	6	320	2.09	31	5	ND	3	142	11	11	2	7	1.14	.17	2	6	.58	16	.01	4	.06	.03	.01	2	6
R04909	2	14	10	49	.1	18	5	235	2.28	4	5	ND	4	7	1	2	2	6	.10	.03	6	11	.43	11	.01	5	.79	.01	.03	2	1
R04910	2	13	4	30	.1	16	5	503	2.03	3	5	ND	4	5	1	2	2	3	.06	.04	6	6	.21	20	.01	4	.45	.01	.06	2	2
R04911	1	8	6	22	.1	11	4	402	1.45	3	5	ND	4	4	1	2	2	2	.03	.03	7	6	.15	16	.01	5	.35	.01	.05	2	1

APPENDIX I

ROCK SAMPLES - REG CLAIMS

APPENDIX II - SILT SAMPLES - REG CLAIMS

Sample #	(ppm)																			%	%	(ppm)		%	ppm	%	ppm	%	%	%	ppm	ppb
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
006	1	17	5	47	.1	32	10	1176	2.58	6	5	ND	3	18	1	2	2	30	.24	.08	16	40	.62	102	.03	3	.87	.01	.06	2	5
007	1	16	4	59	.1	38	13	2149	3.12	7	5	ND	3	23	1	2	2	34	.28	.08	19	49	.68	154	.03	3	.98	.01	.06	2	5
008	1	13	9	54	.1	32	10	1364	2.72	18	5	ND	3	19	1	2	3	29	.24	.07	16	42	.60	106	.02	3	.87	.01	.04	2	5
009	1	15	3	63	.1	34	12	1157	3.57	6	5	ND	4	22	1	2	2	49	.31	.10	19	49	.90	112	.02	2	1.23	.01	.07	2	5
010	1	21	7	62	.1	35	13	889	4.08	7	5	ND	4	22	1	2	2	51	.32	.11	21	50	.90	97	.02	3	1.34	.01	.06	2	5
011	1	19	3	65	.1	35	14	878	3.99	4	5	ND	4	20	1	2	2	52	.30	.12	21	49	1.02	96	.02	3	1.46	.01	.06	2	5
012	1	38	5	76	.1	29	11	1095	3.27	8	5	ND	2	61	1	2	2	55	1.06	.14	14	35	1.01	103	.04	6	1.44	.02	.07	2	5
013	1	17	15	72	.2	24	8	447	2.62	5	5	ND	2	24	1	2	2	26	.36	.06	13	22	.41	67	.02	3	.88	.01	.06	2	5
014	2	52	3	81	.2	120	24	1683	5.29	6	5	ND	2	29	1	2	2	107	.50	.10	26	178	2.59	173	.09	5	2.73	.01	.07	2	5
015	1	16	1	27	.1	25	7	301	1.86	6	5	ND	4	15	1	2	2	27	.24	.08	13	29	.62	48	.02	3	.73	.01	.05	2	5
032	1	11	9	55	.1	19	7	578	1.95	3	5	ND	5	17	1	2	2	24	.22	.06	16	21	.55	62	.02	19	.86	.02	.09	2	5
033	1	6	2	20	.1	8	2	271	.77	2	5	ND	2	43	1	2	2	9	.77	.04	13	9	.19	61	.02	19	.51	.02	.08	2	5
034	1	12	7	28	.1	14	5	472	1.35	3	9	ND	2	24	1	2	2	17	.23	.05	33	17	.26	96	.03	20	.89	.02	.10	2	5
035	1	8	3	24	.1	11	4	601	1.19	2	5	ND	2	22	1	2	2	15	.24	.04	24	13	.24	75	.02	18	.66	.02	.08	2	5
036	1	7	2	33	.1	15	5	226	1.45	2	5	ND	3	12	1	2	2	19	.14	.06	13	20	.47	46	.01	27	.67	.02	.07	2	5
113	1	19	9	72	.1	37	11	1921	3.27	10	5	ND	3	25	1	2	2	32	.38	.10	14	41	.77	99	.03	4	1.22	.01	.06	2	5
114	1	23	11	74	.1	34	11	2073	3.39	6	5	ND	4	23	1	2	2	34	.34	.10	16	38	.72	108	.03	3	1.11	.01	.06	2	5
115	1	18	6	87	.1	42	11	1350	3.78	5	5	ND	2	29	1	2	2	41	.46	.12	14	58	.78	103	.04	2	1.25	.01	.06	2	5
116	1	27	9	60	.2	39	11	497	3.62	3	5	ND	2	32	1	2	2	44	.61	.11	12	40	.63	94	.04	4	1.19	.01	.05	2	5
117	1	18	12	100	.1	45	13	3206	4.04	10	5	ND	2	35	1	2	2	35	.53	.11	13	53	.69	166	.03	3	1.13	.01	.05	2	5
118	1	18	5	52	.1	39	12	466	4.17	2	5	ND	2	32	1	2	2	58	.52	.09	16	39	.67	74	.06	3	1.25	.02	.09	2	5
119	1	8	3	35	.1	10	3	582	1.37	4	5	ND	2	26	1	2	2	17	.41	.07	15	14	.32	102	.03	4	.58	.02	.04	2	5
120	1	31	17	83	.1	34	9	1022	2.75	5	5	ND	4	26	1	2	2	22	.46	.09	19	32	.63	87	.02	4	.94	.01	.07	2	5
121	2	33	17	77	.1	34	10	1173	2.80	8	5	ND	6	19	1	2	2	23	.27	.06	19	31	.66	86	.02	2	1.01	.01	.08	2	5
122	1	10	9	41	.1	14	5	427	1.41	2	5	ND	4	12	1	3	2	16	.15	.06	12	15	.26	54	.02	2	.55	.02	.08	2	5
123	1	17	14	77	.2	21	9	1338	2.18	2	8	ND	3	29	1	3	3	22	.31	.09	23	19	.35	114	.02	3	1.17	.01	.12	2	5
124	1	11	8	58	.1	17	6	549	1.64	3	5	ND	3	11	1	4	3	17	.14	.06	12	17	.26	53	.02	3	.61	.01	.08	2	5
125	1	17	15	79	.1	33	9	625	2.36	5	5	ND	5	16	1	2	2	27	.19	.08	18	41	.48	64	.02	3	.97	.01	.10	2	5
126	1	22	15	85	.1	36	11	814	2.69	4	5	ND	4	20	1	2	2	29	.26	.11	22	39	.51	91	.02	4	1.14	.02	.11	2	5
127	2	34	15	97	.1	63	16	778	3.67	6	7	ND	5	26	1	2	2	39	.40	.17	21	62	.84	130	.02	3	1.35	.01	.11	2	5
128	2	49	17	97	.3	94	26	642	4.92	8	7	ND	5	29	1	2	2	47	.50	.22	18	107	1.25	130	.02	2	1.45	.01	.09	2	5
129	1	38	13	69	.1	56	14	590	3.23	5	5	ND	8	14	1	2	2	33	.23	.09	19	69	.89	71	.03	3	1.10	.01	.08	2	5
130	1	43	15	70	.1	60	15	617	3.26	4	5	ND	7	16	1	2	2	34	.26	.09	18	74	.93	75	.03	3	1.14	.01	.07	2	5
131	1	33	14	63	.1	45	13	566	2.87	5	5	ND	7	15	1	2	2	28	.24	.09	19	51	.71	65	.03	3	.95	.01	.07	2	5
132	1	30	11	55	.1	37	10	437	2.39	5	5	ND	7	13	1	2	2	23	.20	.07	17	38	.56	59	.02	3	.78	.01	.06	2	5
133	1	33	14	59	.1	39	11	512	2.56	5	5	ND	7	16	1	4	2	24	.31	.08	18	41	.59	67	.03	2	.84	.01	.07	2	5
134	1	24	11	53	.1	26	8	442	2.25	5	5	ND	7	13	1	3	2	19	.19	.08	18	22	.40	55	.02	2	.65	.01	.06	2	5
135	1	27	11	58	.1	28	9	544	2.46	3	5	ND	8	13	1	3	2	20	.16	.07	20	23	.44	62	.02	3	.75	.01	.07	2	5
136	1	27	15	60	.1	25	10	660	2.60	5	5	ND	7	14	1	2	2	20	.17	.07	20	21	.40	66	.02	3	.78	.02	.08	2	5
137	1	18	9	38	.1	15	6	282	1.52	3	5	ND	6	10	1	4	2	16	.16	.07	16	14	.23	45	.02	2	.48	.01	.06	2	5
138	1	15	7	38	.1	15	6	381	1.60	3	5	ND	6	10	1	4	2	14	.15	.07	14	13	.23	43	.02	2	.45	.01	.05	2	5

APPENDIX II - SILT SAMPLES - REG CLAIMS

Sample #	(ppm) Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	% Ca	% P	(ppm) La	Cr	% Mg	ppm Ba	% Ti	ppm B	% Al	% Na	% K	ppm W	ppb Au
156	1	15	8	52	.1	25	7	490	2.22	3	5	ND	5	27	1	2	2	20	.37	.09	21	25	.55	76	.02	27	.86	.02	.09	2	5
157	1	19	10	64	.1	29	10	668	2.65	8	5	ND	6	38	1	2	2	22	.53	.11	22	29	.61	76	.02	4	.97	.02	.10	2	5
158	1	18	10	60	.1	28	9	634	2.52	4	5	ND	6	25	1	2	2	22	.28	.10	21	29	.61	74	.02	3	.97	.02	.09	2	5
159	1	24	15	83	.1	36	12	1079	3.25	5	5	ND	6	37	1	2	2	29	.41	.11	28	38	.77	95	.02	4	1.31	.02	.10	2	5
161	1	26	15	49	.1	28	9	476	2.44	3	5	ND	5	32	1	2	2	26	.69	.11	15	26	.62	54	.04	2	.79	.01	.08	2	5
162	1	24	15	48	.2	27	9	492	2.36	6	5	ND	5	32	1	2	2	26	.67	.10	15	25	.58	55	.04	3	.75	.01	.08	2	5
163	1	28	14	53	.1	31	11	538	2.75	6	5	ND	5	29	1	2	2	30	.58	.12	19	30	.67	64	.04	2	.87	.01	.08	2	5
164	1	21	15	40	.3	24	8	398	2.12	5	5	ND	5	31	1	2	3	24	.70	.11	14	24	.51	49	.04	3	.66	.01	.08	2	5
165	1	30	16	53	.2	30	11	523	2.83	7	5	ND	7	31	1	2	3	31	.62	.14	20	30	.65	64	.04	4	.86	.01	.10	2	15
166	1	29	16	53	.1	28	10	527	2.81	6	5	ND	6	30	1	2	2	30	.62	.12	20	28	.61	62	.04	2	.82	.01	.09	2	5
188	1	1	5	13	.1	2	1	50	.12	2	5	ND	3	132	1	2	2	2	24.16	.02	2	5	.13	57	.01	29	.07	.01	.01	2	5
189	1	34	8	53	.1	42	10	783	2.63	4	5	ND	2	39	1	2	2	35	.85	.05	7	46	.59	76	.05	30	1.10	.02	.03	2	5
201	1	18	7	33	.1	15	5	232	1.56	6	5	ND	5	14	1	2	2	13	.19	.03	11	14	.41	28	.03	2	.57	.04	.08	2	5
202	1	24	13	75	.1	39	12	784	3.18	8	5	ND	5	17	1	2	2	32	.27	.11	17	40	.76	75	.03	4	1.04	.01	.07	2	5
203	1	23	13	77	.1	40	13	824	3.49	4	5	ND	5	17	1	2	2	36	.27	.11	17	42	.81	69	.03	2	1.09	.01	.07	2	5
204	1	24	11	81	.1	40	13	880	3.30	7	5	ND	5	17	1	3	2	34	.27	.11	16	42	.82	80	.03	5	1.11	.01	.08	2	5
205	1	29	15	81	.1	40	14	1040	3.55	9	5	ND	5	19	1	2	2	35	.30	.12	17	43	.81	78	.03	3	1.10	.01	.07	2	5
206	1	33	17	95	.2	42	13	549	3.27	3	5	ND	4	25	1	3	2	32	.43	.13	16	37	.73	74	.02	3	1.20	.01	.06	2	5
207	2	37	17	110	.1	49	17	2279	4.10	8	5	ND	4	34	1	2	2	37	.51	.14	16	44	.89	131	.02	4	1.33	.01	.08	2	5
208	1	34	16	104	.1	45	16	1666	4.18	8	5	ND	5	26	1	2	2	39	.39	.14	17	45	.86	112	.02	3	1.29	.01	.08	2	5
209	2	38	21	138	.2	50	16	3851	4.21	14	5	ND	2	47	1	3	2	34	.68	.14	17	38	.78	177	.02	3	1.42	.01	.08	2	5
210	1	8	8	43	.1	10	5	559	1.25	2	5	ND	3	10	1	4	2	14	.13	.06	10	12	.20	49	.02	4	.53	.02	.07	2	5
211	1	7	6	31	.1	9	4	321	1.08	4	5	ND	4	8	1	3	2	13	.12	.05	10	12	.19	40	.02	2	.45	.02	.06	2	5
212	1	7	8	46	.1	10	4	420	1.23	2	5	ND	3	11	1	2	2	14	.13	.06	10	13	.20	48	.03	3	.54	.02	.07	2	5
213	1	8	8	32	.1	11	6	473	1.16	3	5	ND	4	13	1	3	2	15	.14	.06	11	14	.22	51	.02	5	.49	.02	.08	2	5
214	1	7	6	31	.1	9	5	394	1.06	4	5	ND	4	11	1	3	2	13	.13	.06	10	10	.20	43	.02	2	.43	.02	.07	2	10
215	1	8	6	36	.1	11	6	471	1.20	2	5	ND	4	12	1	3	2	15	.14	.06	11	13	.23	51	.03	2	.51	.02	.07	2	5
216	1	7	7	40	.1	10	5	450	1.17	4	5	ND	4	11	1	3	2	15	.14	.06	11	11	.21	49	.02	3	.49	.02	.08	2	5
217	1	7	7	49	.2	11	5	656	1.29	2	5	ND	4	12	1	3	2	18	.14	.06	12	13	.28	51	.02	3	.57	.02	.07	2	5
218	1	7	5	41	.2	11	5	392	1.23	3	5	ND	4	10	1	5	2	19	.13	.05	11	14	.33	41	.02	3	.55	.02	.06	2	5
219	1	7	8	47	.1	12	5	417	1.37	3	5	ND	4	11	1	3	2	23	.13	.06	12	16	.39	45	.02	2	.62	.02	.06	2	5
239	1	16	18	103	.1	32	8	851	2.70	6	7	ND	3	26	1	2	2	13	.28	.09	14	14	.46	73	.01	3	1.08	.01	.09	2	5
240	1	48	18	74	.3	51	12	656	3.01	13	5	ND	2	57	1	2	2	41	.87	.12	12	59	.91	129	.04	5	1.27	.02	.08	2	5
241	1	51	11	60	.1	71	16	511	3.10	10	5	ND	4	34	1	2	2	39	.74	.10	12	71	.96	96	.06	4	1.22	.01	.08	2	5
242	2	78	13	80	.4	59	11	515	2.51	9	6	ND	2	84	1	2	2	43	1.45	.14	10	92	1.05	119	.03	6	1.04	.01	.08	2	5
243	1	47	11	64	.1	39	9	445	2.24	4	5	ND	3	79	1	2	2	32	1.90	.11	9	48	.74	95	.03	7	.89	.01	.07	2	5
244	1	19	8	41	.1	36	8	246	2.28	6	5	ND	3	23	1	2	2	35	.43	.09	10	49	.81	52	.04	3	.93	.01	.04	2	5
245	1	69	32	217	.1	102	22	621	4.83	37	7	ND	6	47	1	2	3	50	1.10	.16	13	94	1.63	95	.03	5	1.73	.01	.10	2	5

Sample #	(--------ppm----------)								%	(----------ppm----------)									%	%	(ppm)		%	ppm	%	ppm	%	%	%	ppm	ppb
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
247	1	22	16	66	.1	32	11	776	3.01	2	5	ND	5	25	1	2	2	26	.30	.10	25	32	.68	63	.01	2	1.07	.02	.08	2	5
248	1	18	11	62	.1	26	9	605	2.44	4	5	ND	4	20	1	2	2	27	.25	.08	21	31	.65	59	.02	4	1.04	.01	.07	2	5
249	1	13	8	52	.1	24	8	534	2.11	4	5	ND	4	19	1	2	2	25	.24	.09	18	29	.60	52	.02	4	.91	.02	.06	2	5
250	1	17	11	67	.2	26	9	943	2.51	2	5	ND	4	30	1	2	2	30	.36	.10	25	34	.66	77	.02	4	1.18	.02	.08	2	5
251	1	9	7	39	.1	18	5	154	1.58	2	5	ND	4	14	1	3	2	22	.19	.08	17	25	.51	36	.02	3	.80	.02	.05	2	5
252	1	12	9	45	.1	19	7	665	1.96	3	5	ND	4	17	1	2	2	24	.20	.06	18	24	.50	52	.01	5	.85	.02	.06	2	5
253	3	65	25	114	.4	110	24	924	5.58	8	5	ND	7	35	1	2	2	55	.56	.22	35	146	1.47	113	.02	4	1.96	.01	.09	2	5
254	1	33	12	95	.2	44	21	1300	6.10	2	5	ND	5	35	1	2	2	82	.52	.16	28	50	1.51	127	.01	3	2.06	.01	.08	2	5
255	1	37	11	93	.3	43	24	1130	6.95	2	5	ND	5	32	1	2	2	94	.49	.16	22	52	1.47	108	.01	3	1.98	.01	.07	2	5
256	1	27	14	69	.2	35	11	801	3.41	7	5	ND	5	22	1	2	2	31	.32	.09	16	34	.67	71	.03	2	.97	.02	.09	2	5
257	1	24	13	58	.1	26	9	562	2.72	4	5	ND	6	17	1	2	2	23	.25	.08	19	25	.55	53	.02	3	.80	.01	.06	2	5
258	1	23	12	64	.1	29	9	369	2.72	5	5	ND	6	18	1	2	3	25	.27	.09	19	30	.60	49	.02	3	.89	.01	.07	2	5
259	1	22	15	58	.1	28	9	528	2.68	3	5	ND	6	16	1	2	3	24	.24	.08	20	29	.59	51	.02	4	.87	.01	.06	2	5
263	1	37	13	55	.1	23	7	379	2.40	8	5	ND	6	13	1	2	2	17	.18	.06	17	20	.46	38	.02	3	.68	.01	.07	2	5
264	2	34	36	89	.2	34	9	1375	2.64	9	5	ND	3	33	1	2	4	21	.60	.07	21	23	.55	100	.02	6	.85	.01	.08	2	5

APPENDIX II - SILT SAMPLES - REG CLAIMS

L 2581
L 2583
L 2584
L 2585
L 2588
L 2589
L 2587
L 2586
L 6031
NORTH THOMPSON RIVER
Christie Creek
LCP 67111
67112
67113
67114
67115
67116
67117
62029
CHI
REG 1 5698
REG 2 5699
REG 3 5700
REG 4 5701
REG 5 5702
REG 6 5703
REG 7 5704
REG 8 5824
Logged area
B.L.
L5E L10E L15E L20E L25E L30E L35E L40E
3300
3700
4000
4200
4300
5000
5100
51°35'
119°23'
ADAMS LAKE ROAD
Graffunder Lakes
Running Bear Lake
Church Creek
Robert Creek
ADAMS PROVINCIAL
GEOLOGICAL BRANCH ASSESSMENT REPORT 13,557

REG 4 5824 — CLAIM (record no.)
Claim line
67111 ■ — LCP and tag number
Swamp
Lake
L5E — Hip-Chain Grid

6 — GRANODIORITE, MEDIUM GRAINED, INTRUDED BY PEGMATITE DYKES
5 — CHERT PEBBLE CONGLOMERATE, QUARTZITE, QUARTZ-BIOTITE & QUARTZ-MUSCOVITE SCHIST, GREEN & GREY PHYLLITE, HORNFELS
4 — ANDESITE, CHLORITE SCHIST. CONTAINS WISPY LAMINATIONS & PODS OF LIMESTONE
3 — INTERBEDDED, IMPURE, CHLORITIC SCHIST, LIMESTONE & MINOR DOLOMITE, SILICEOUS METASEDIMENTS WITH MICACEOUS PARTINGS
2 — MASSIVE LIMESTONE
1 — GREY-BLACK PHYLLITE, WELL BEDDED ARGILLITE

OUTCROP
BEDDING, FOLIATION
GEOLOGIC CONTACT
FAULT
ROCK SAMPLE SITE
SILT SAMPLE SITE
ROAD
THRUST FAULT

* Claims located by hip-chain and compass

SCALE
0 100 200 300 400 500 1000 metres

NEWMONT EXPLORATION OF CANADA LIMITED
CLEARWATER PROJECT
REG CLAIMS - GEOLOGY
KAMLOOPS MINING DIVISION

SCALE: 1:10,000	LOCATION: 82 M/12	DATE: MARCH 15, 1985
SURVEY BY: JAT	DRAWN BY: I. C.	NUMBER: MAP 1

L 2581

L 2583

L 2584

L 2585

L 2588

L 2589

L 2587

L 2586

L 6031

NORTH THOMPSON RIVER

Christie Creek

LCP 67111

LCP 67112

LCP 67113

LCP 67114

LCP 67115

LCP 67116

LCP 67117

LCP 62025

CHI

REG 1
5698

REG 2
5699

REG 3
5700

REG 4
5701

REG 5
5702

REG 6
5703

REG 7
5704

REG 8
5824

B.L.

L5E L10E L15E L20E L25E L30E L35E L40E

3300 3700 4000 4200 4300 5000

Logged area

ADAMS LAKE ROAD

51° 35'

Graffunder Lakes

Running Bear Lake

Chuck Creek

Roberts Creek

ADAMS PROVINCIAL FOREST

GEOLOGICAL BRANCH
ASSESSMENT REPORT
13,557

* Claims located by hip-chain and compass

REG 4 5824 — CLAIM (record no.)

Claim line

67111 ■ — LCP and tag number

Swamp

Lake

126 — Silt sample

R04911 ▲ — Rock sample

1/14 — Ag(ppm) Au(ppb) / As(ppm)

L5E — Hip-Chain Grid

Threshold values
Silt 0.5 | 25 Ag | Au As
Rock 0.8 | 60 Ag | Au 50 As

Sampling method Trowel and chisel
Sample prep -35 mesh and pulverize
Digestion and analysis 30 element ICP, 3:1:3 HNO3:HCl:H2O for Au / aqua regia MIBK • for rocks Au by FA & AA.

SCALE
0 100 200 300 400 500 1000 metres

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA T. N. MACAULEY

NEWMONT EXPLORATION OF CANADA LIMITED

CLEARWATER PROJECT
REG CLAIMS - GEOCHEM

KAMLOOPS MINING DIVISION

SCALE: 1:10,000	LOCATION: 82 M/12 E	DATE: MARCH 15, 1985
SURVEY BY: JAT	DRAWN BY: I.C.	NUMBER: MAP 3

L 2581

L 2583

L 2584

L 2585

L 2588

L 2589

L 2587

L 2586

L 6031

NORTH THOMPSON RIVER

Reg

Christie

Creek

Chuck

Creek

Running Bear Lake

Graffunder Lakes

ADAMS

Rober

PROVINCIAL

ADAMS LAKE ROAD

LCP 67111

LCP 67112

LCP 67113

LCP 67114

LCP 67115

LCP 67116

LCP 67117

LCP 62025

CHI

B.L.

REG 1 5698

REG 2 5699

REG 3 5700

REG 4 5701

REG 5 5702

REG 6 5703

REG 7 5704

REG 8 5824

Logged area

51°35'

119°32'

2300

3300

4000

4200

4300

5000

L5E L10E L15E L20E L25E L40E

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,557

* Claims located by hip-chain and compass

REG 4 5824 — CLAIM (record no.)

Claim line

67111 ■ — LCP and tag number

Swamp

Lake

L5E — Hip-Chain Grid

126 — Silt sample

R04911 ▲ — Rock sample

12/34 8 (1m) — Cu(ppm)/Zn(ppm) Pb(ppm) (width) meters

Threshold values
Silt 50/100 Cu/Zn 40/Pb
Rock 100/150 Cu/Zn 75/Pb

Sampling method trowel and chisel
Sample prep -35 mesh and pulverize
Digestion and analysis 30 element ICP. 3:1:3 HNO_3:HCl:H_2O for Au / aqua regia MIBK. for rocks Au by FA & AA.

SCALE
0 100 200 300 400 500 1000 metres

NEWMONT EXPLORATION OF CANADA LIMITED

CLEARWATER PROJECT
REG CLAIMS - GEOCHEM

KAMLOOPS MINING DIVISION

SCALE: 1:10,000	LOCATION: 82 M/12 E	DATE: MARCH 15, 1985
SURVEY BY: JAT	DRAWN BY: I.C.	NUMBER: MAP 2

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — T. N. MACAULEY