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RISE RESOURCES INC.

GEOPHYSICAL AND GEOCHEMICAL REPORT

ON THE KIDD LAKE PROPERTY

NICOLA MINING DIVISION, BRITISH COLUMBIA

NTS 92 H/15E

BY

**D. NEWTON, B.Sc. (HON)
HUGHES LANG EXPLORATIONS LTD.**

JANUARY 1990

CLAIMS WORKED

CLAIM NAME	UNITS	RECORD NO.	ANNIVERSARY DATE
CAT 1	6	2137	JAN 15
CAT 2	6	2138	JAN 16

LOCATION: 120° 37'W, 49° 54'N
 OPERATOR: RISE RESOURCES INC.
 OWNER: RISE RESOURCES INC.
 PROJECT GEOLOGIST: DAVID NEWTON, B.Sc., HUGHES LANG EXPLORATIONS LTD.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,591

FILMED

SUMMARY

Rise Resources Inc. holds by way of an option the Cat #1 to Cat #4 mineral claims near Aspen Grove, B.C. The property is located approximately 30 kilometres south of Merritt in the Nicola Mining Division. Excellent access is provided to the property by Highway No. 5 and numerous logging and ranch roads.

The area has been prospected intermittently since the discovery of copper on Copper Mountain around 1900. Most of the work done on the property was carried out in 1972 by White River Mines and consisted of magnetometer, I.P., gravity, geochemical, and geological surveys. As well, 1925 metres of diamond drilling in 14 holes was completed. Drilling encountered ore grade mineralization in three holes although copper mineralization is reported to be traceable for several kilometres on surface. Only minor exploration work has been completed since.

In 1989, Rise Resources resampled selected portions of the mineralized core from the 1972 drilling to confirm previously obtained copper assays and to test for gold mineralization. Similar copper assays were returned from the sampling but only one of the 29 samples contained detectable gold.

A detailed, two-day magnetometer survey was completed in January of 1990. The survey was designed to trace a known magnetic high from its location over mineralized drillholes 72-2, 72-5 and 72-7. A sharp, 10 to 25 metres wide magnetic high anomaly was traced for 550 metres southwards to where the anomaly widens and weakens. More work is required to the south of the 1990 survey to determine if the anomaly actually weakened or was offset. The anomaly is open to the north.

The 1990 survey was successful in pinpointing the location of a 10 to 25 metre wide, north-south magnetic high which is spatially associated with ore-grade copper mineralization encountered during previous drilling. Future work should concentrate on determining the relationship between the magnetic high and the mineralization, possibly through a re-examination of the drill core, followed by trenching and drilling of the anomaly.

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1.0 INTRODUCTION

In early 1989, Rise Resources Inc. optioned the Cat 1 to 4 claims located near Aspen Grove, B.C. The principle target on the property was a high-grade copper zone. Drilling encountered the mineralized zone on two lines 120 metres apart although it is reportedly traceable for several kilometres on surface.

The property is comprised of four Modified Grid claims consisting of 44 units in the Nicola Mining Division. The small settlement of Aspen Grove lies near the centre of the claim block while Merritt is approximately 30 kilometres to the north. In March of 1989, 29 selected portions of previously drilled core (1972) were resampled and they returned similar copper assays. From January 8 to 10, 1990 a detailed ground magnetometer survey was conducted near the mineralized area in an attempt to trace the mineralization along strike from the drilled area. The magnetometer survey was done under the supervision of Project Geologist David Newton of Hughes Lang Explorations Ltd.

1.1 LOCATION AND ACCESS

The claims are located in the Nicola Mining Division and are located on NTS Map Sheet 92H/15E. Nearby communities include Merritt 30 kilometres to the north, Princeton is approximately 65 road kilometres to the south, and the small settlement of Aspen Grove is situated on the claims. The centre of the claim block is at 49° 54' North Latitude and 120° 37' West Longitude (Figure 1).

Access is by Highway No. 5 which runs through the western portion of the claims. Excellent access is provided by logging and ranch roads which cross the property. Surface rights are held by the Douglas Lake Cattle Company.

1.2 CLAIM INFORMATION

The Kidd Lake property consists of four Modified Grid claims totalling 44 units (Figure 2). Disposition of the claims is as follows:

TABLE 1

CLAIM NAME	UNITS	RECORD NO.	ANNIV. DATE
Cat 1	6	2137	Jan 15
Cat 2	6	2138	Jan 16
Cat 3	20	2159	Feb 23
Cat 4	12	2160	Feb 24

RISE RESOURCES INC.

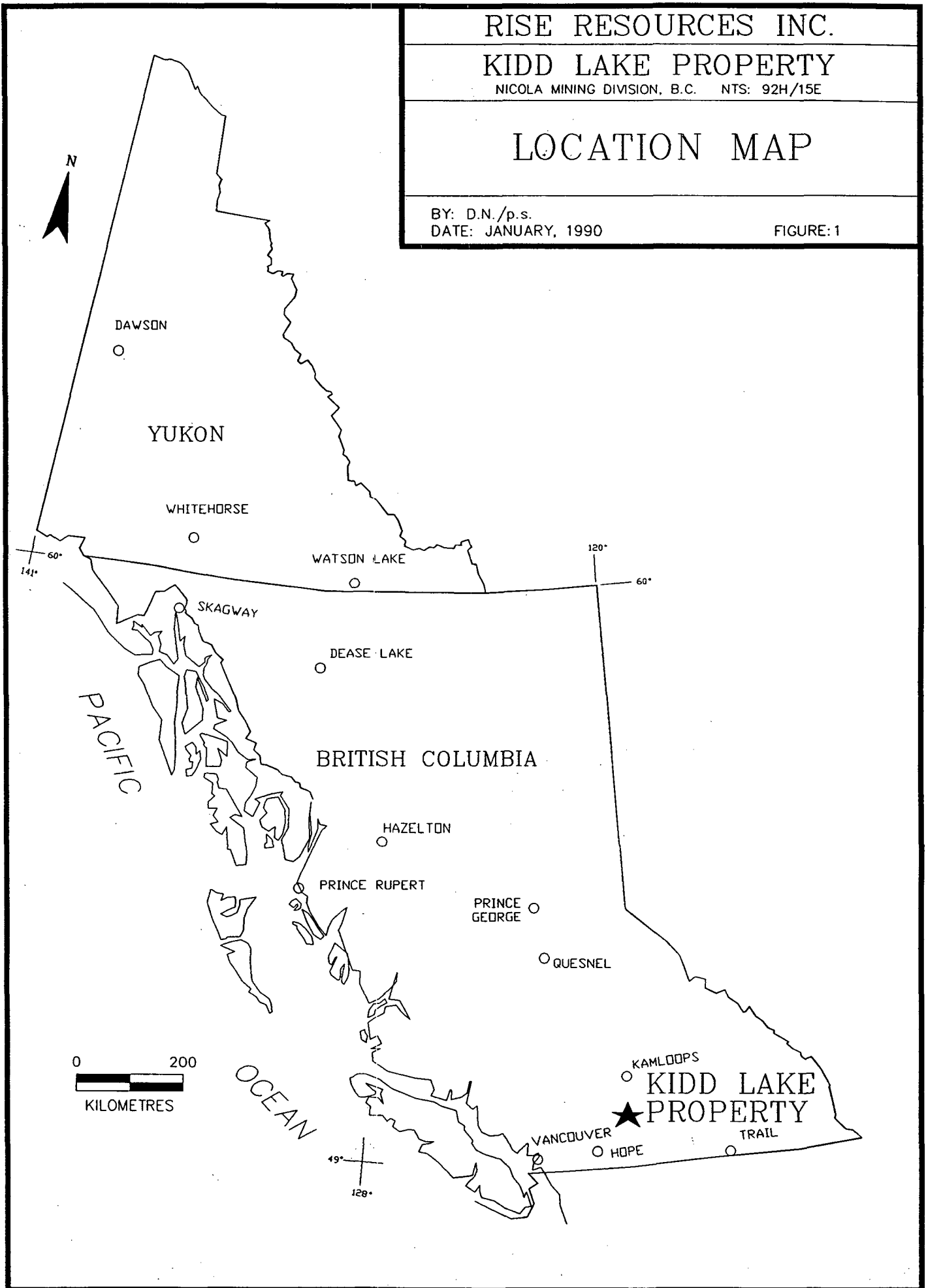
KIDD LAKE PROPERTY

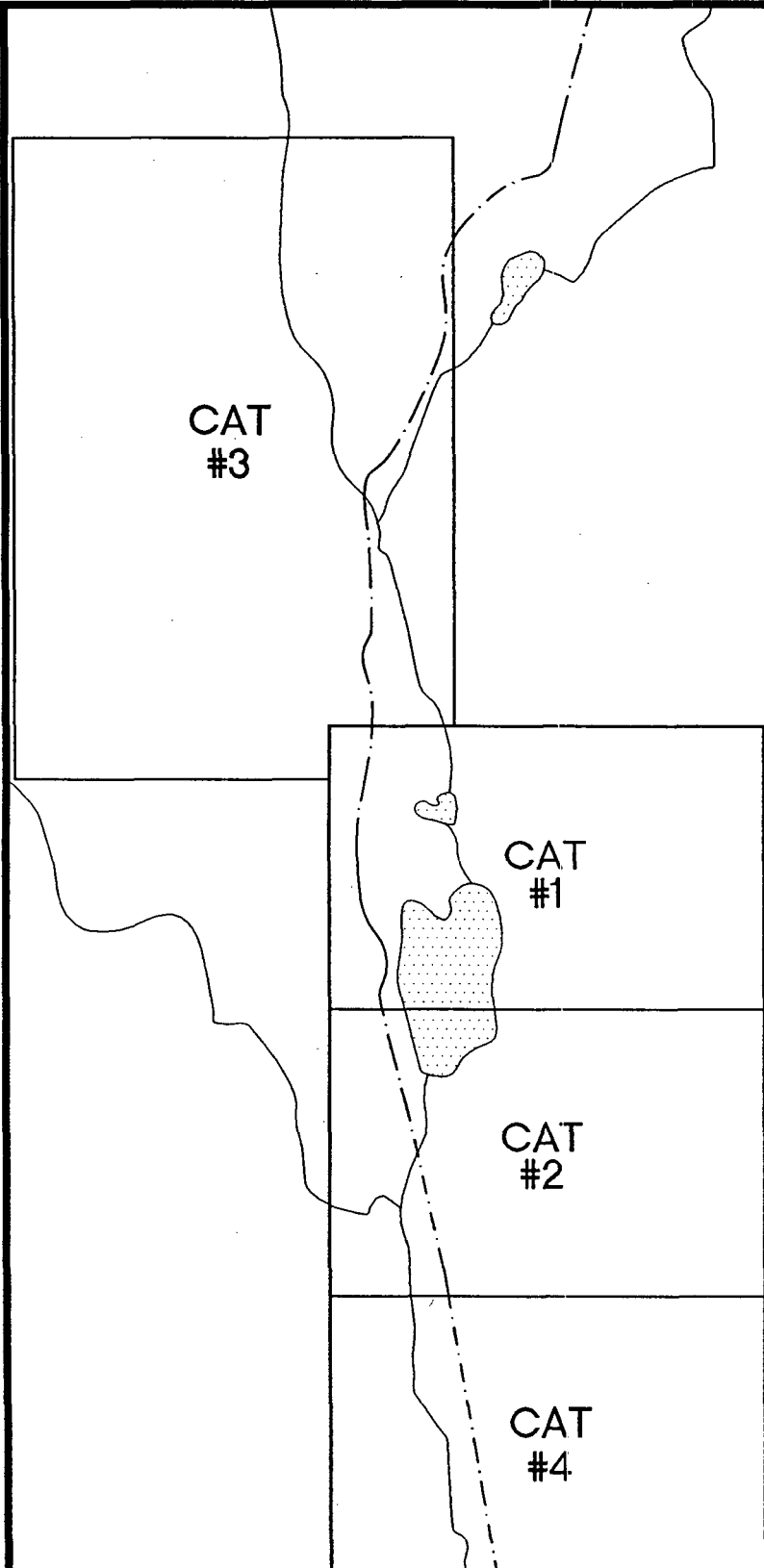
NICOLA MINING DIVISION, B.C. NTS: 92H/15E

LOCATION MAP




BY: D.N./p.s.
DATE: JANUARY, 1990

FIGURE:1



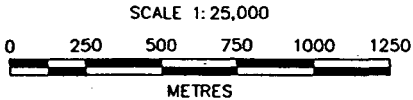


LEGEND

-  Highway
-  River
-  Claim boundary

RISE RESOURCES INC.
 KIDD CLAIMS PROPERTY
 NICOLA MINING DIVISION, B.C. NTS: 92H/15E

CLAIM MAP



BY: D.N./p.s. DATE: JAN. 1990 FIGURE: 2

1.3 PREVIOUS WORK

The Aspen Grove area has been prospected intermittently for copper since the discovery of Copper Mountain around 1900. The area was active during the porphyry explorations era during the 1960's and 70's.

Most of the previous work on the ground now covered by the claims was carried out by White River Mines in 1972 when the property was known as the 'Dago-Open' claims. In that year, ground magnetometer, I.P. and gravity geophysical surveys were carried out. In addition, geochemical sampling, geological mapping and 1925 metres of diamond drilling in 14 holes were completed. The best intersection from drilling were 1.4% Cu over 9.1 metres at a depth of 20 metres below the surface.

In 1977, 77 metres of percussion drilling was carried out in two holes. The results of this drill programme are not known.

Numerous bulldozer trenches have also been excavated on the property; however, the timing of this work is not known and most of the trenches are filled. The last reported work was geological mapping done in 1981-2.

1.4 1989-90 FIELD PROGRAMME

On March 30 and 31, 1989 twenty-nine sections of selected portions of mineralized core from the 1972 drilling were resampled. The purpose of the sampling was to confirm the copper values returned during 1972 and to analyze the core for gold which was not done during the previous work. Resampling was done by consulting geological engineer Ralph Gonzalez of Archean Engineering.

From January 8 to 10, 1990 a detailed ground magnetometer survey was conducted to extend the known magnetic geophysical anomaly from the previously drilled areas to the south. A baseline was flagged 100 metres north (340°) and 1000 metres south (160°) from the collar of drillhole 72-5. Crosslines spaced at 50 metre intervals were flagged between 100 to 200 metres to the east and west ($70^{\circ}/250^{\circ}$).

2.0 REGIONAL AND LOCAL GEOLOGY

The following description of the geology is taken from Gonzalez (1989).

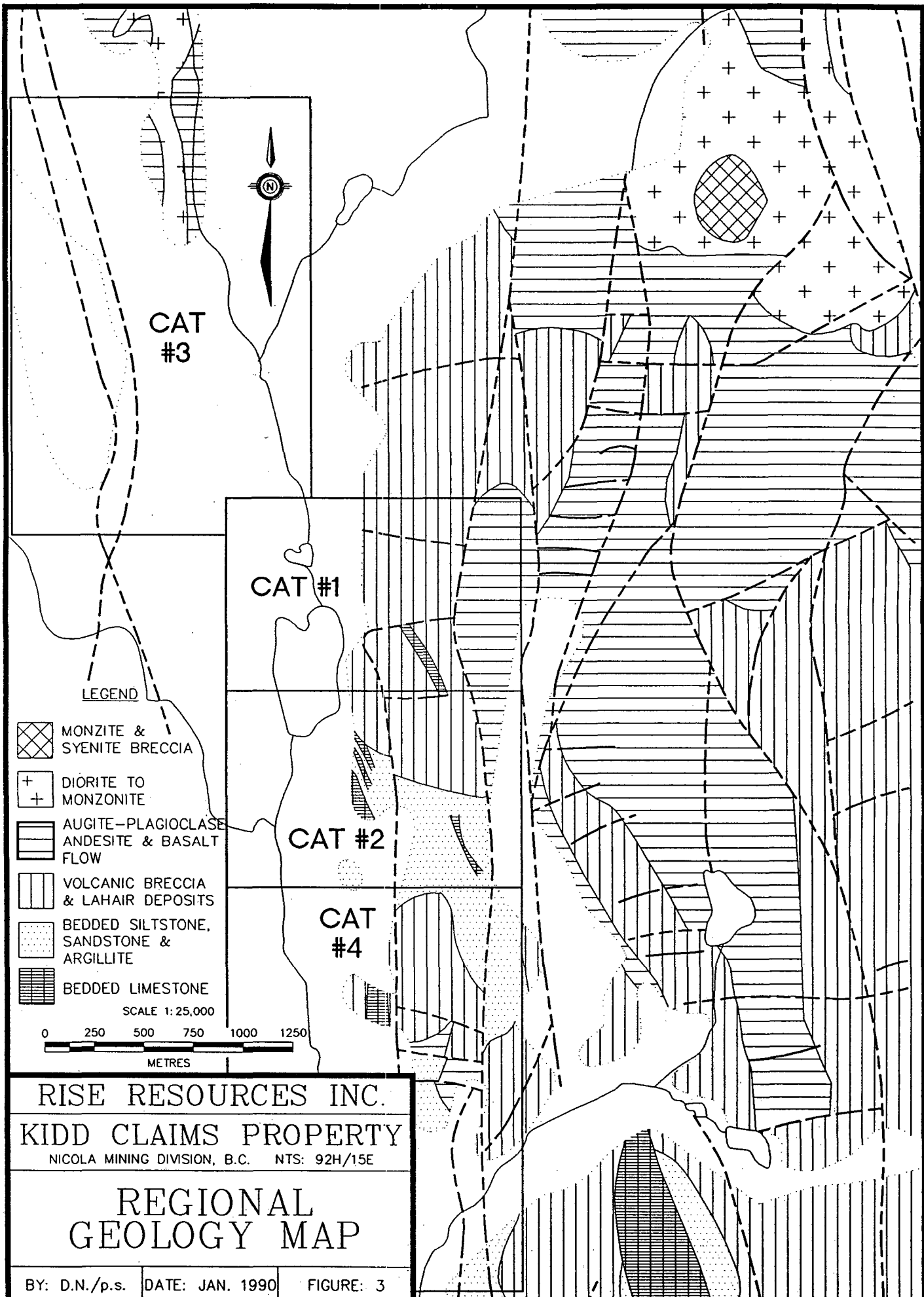
'The property lies in a 40 kilometre wide belt of the economically important, Late Triassic Nicola Group. This Group is comprised of effusive and clastic volcanic rocks with minor intercalated marine sediments. During the time of volcanism, the volcanic assemblage was invaded by stocks and batholiths, and the rocks yielded to these intrusions by faulting and folding along northerly and northeasterly axis.

The dominating geological elements in the region are two northerly trending high-angle fault systems (the Summers Creek - Quilchena Creek fault system and the Allison Creek fault) which divide the Nicola rocks into three, sub-parallel belts. These large structures represent deep seated crustal fractures which dominated the geology of the region in Late Triassic time and caused volcanic centres to be aligned in a northerly direction, thus producing a Central Zone of dominantly volcanic rocks flanked to the east and west by basins of deposition.

The prominent northerly geological fabric of the region is also apparent in the distribution of mineral deposits. The Central Belt, being the richest in intrusive rocks and the most intensely fractured and faulted of the three, contains by far the largest number of prospects, particularly those of the porphyry-type which occur within sub-volcanic intrusions and their associated extrusive rocks.

The claim block lies within the Central Belt and appears to be underlain by Nicola Group volcanics composed of pyroclastic breccias and flows of basic andesite and basalt and intercalated sediments ranging in composition from limy andesitic greywackes and tuffs to grey coralline limestone and minor argillite.

The Nicola rocks have been metamorphosed to a highly variable, low-grade greenschist facies. The mafic rocks' constituents are commonly slightly epidotized, chloritized and carbonatized, and minor authigenic pyrite and pyrrhotite is (sic) present. Within the property boundaries, distinctive brown weathering, ankeritic or









CAT #3

CAT #1

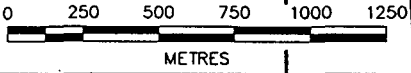
CAT #2

CAT #4

LEGEND

-  MONZITE & SYENITE BRECCIA
-  DIORITE TO MONZONITE
-  AUGITE-PLAGIOCLASE ANDESITE & BASALT FLOW
-  VOLCANIC BRECCIA & LAHAIR DEPOSITS
-  BEDDED SILTSTONE, SANDSTONE & ARGILLITE
-  BEDDED LIMESTONE

SCALE 1:25,000



RISE RESOURCES INC.

KIDD CLAIMS PROPERTY

NICOLA MINING DIVISION, B.C. NTS: 92H/15E

REGIONAL GEOLOGY MAP

sideritic looking alteration occurs, and there are the occasional quartz-siderite veins.

Copper mineralization of economic interest, found in the drill core, consists dominantly of chalcopyrite with minor amounts of bornite and chalcocite; also, traces of native copper have been reported. The sulphides occur as individual disseminated grains and as clusters stretched out along micro-fractures or parallel to the metamorphic shear direction. Short sections (20 centimetres in hole 72-2) of massive bornite were reported in the 1972 drill logs but none of the sample was found in the core boxes.

Sulphide mineralization occurs in white to light grey tuffaceous siltstone, light grey volcanic greywacke, brecciated leucocratic diorite porphyry, black hornfels, and black argillite near the contact with andesitic volcanics.'

3.0 GEOCHEMISTRY

3.1 ROCK SAMPLING

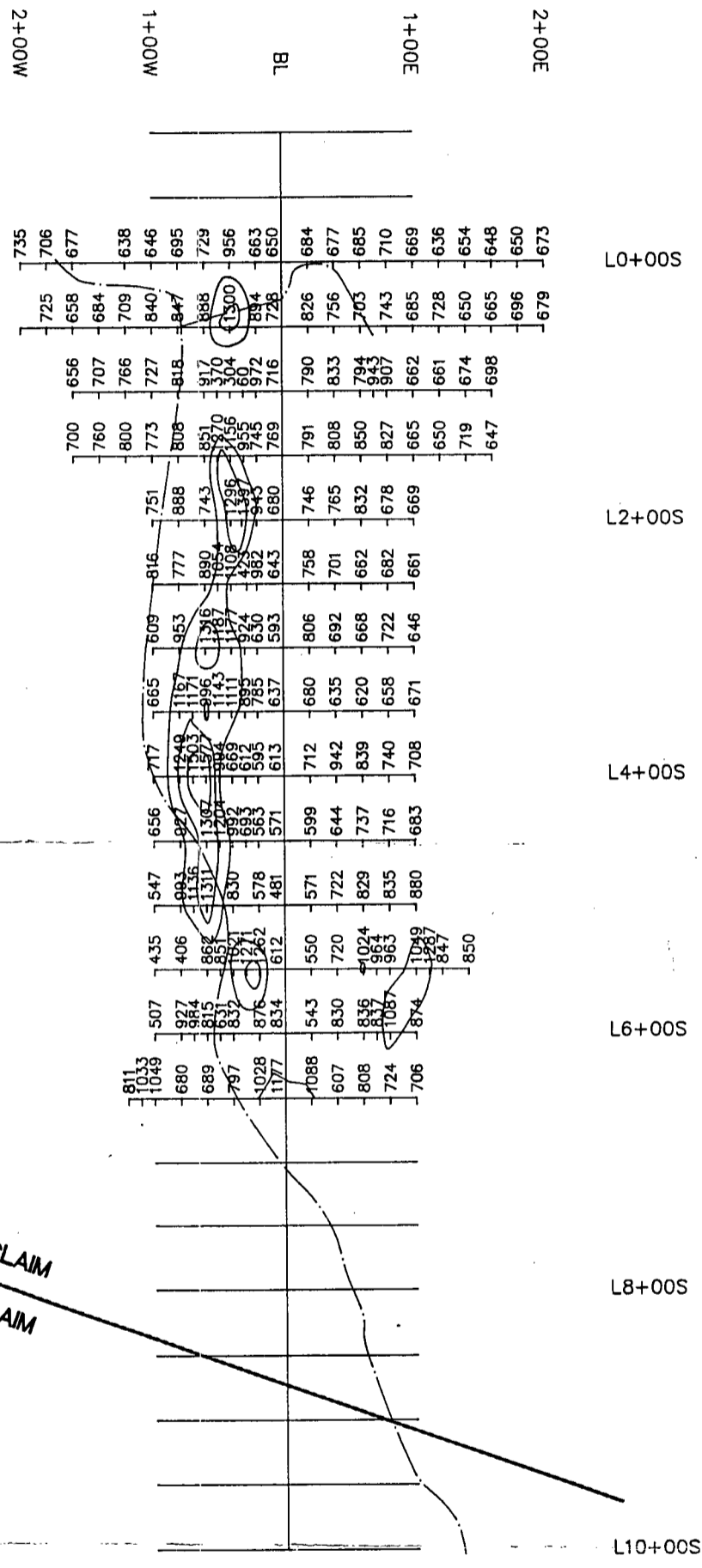
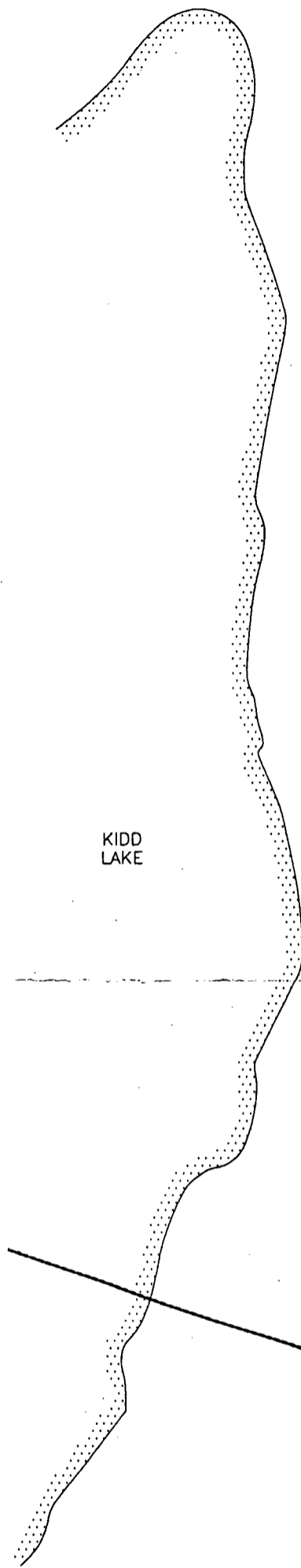
Twenty-nine 1.5 metre sections of core from the 1972 diamond drilling were resampled in an attempt to confirm previously determined copper and gold values. For each 1.5 metre (5 feet) interval, four to six sections of 2 to 5 centimetre long pieces of the split core were chosen at random, comprising approximately 10 to 20 percent of the core, for the 1989 check samples. The samples were sent to Chemex Labs, where they were crushed and pulverised to minus 150 mesh, and the fine fraction then pulverised and analysed. Gold was analysed using the FA-AAS method, and 32 additional elements were analysed by the ICP-AES method. The pulps from samples with copper values of greater than 10,000 ppm were then assayed using the AAS method after a $\text{HClO}_4\text{-HNO}_3$ digestion.

Results from the resampling are similar to those reported in 1972 (Lammle, C.) and differences are probably only due to the smaller size of the 1989 samples. Gold values were below the detection limit in all but one of the samples which contained 0.023 ounces per ton gold. Silver values were anomalous in several samples and ranged up to 31.4 ppm. Results of the resampling are located in Appendix A.

4.0 GEOPHYSICS

A total of 3.4 kilometres were surveyed using a GSM-8 magnetometer on January 8 and 9, 1990. Readings were taken at 20 metre intervals except over anomalously high areas where intermediate readings were taken every 5 or 10 metres. Readings were corrected for diurnal drift. The entire 5.3 line kilometre grid was not surveyed due to a magnetometer breakdown.

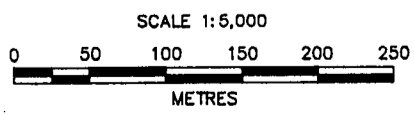
The purpose of the survey was to trace the coincident magnetic high and copper mineralization encountered in drill holes 2 and 5. A 10 to 25 metre wide, sharp, strong magnetic high was traced southwards for 550 metres (Figure 4). Between L5+50S and L6+50S the anomaly appears to weaken or possibly be offset. Lines 7+00S to 10+00S were flagged but not surveyed with the magnetometer.



KIDD LAKE

CAT 1 CLAIM
CAT 2 CLAIM

- LEGEND
- Road
 - Grid line
 - Claim boundary



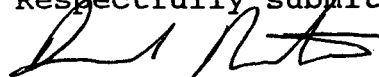
Note: 0 = 56,000 gammas
Base contour = 1000 gammas
Contour interval = 200 gammas

RISE RESOURCES INC.	
KIDD LAKE PROPERTY	
NICOLA MINING DIVISION, B.C. NTS: 92H/15E	
MAGNETOMETER SURVEY	
BY: D.N./p.s. DATE: JANUARY, 1990	FIGURE: 4

5.0 DISCUSSION

Previous work programmes have partially defined a near surface, narrow, north striking, and nearly vertical or slightly east dipping-copper rich body. Rise Resources Inc. sampled selected portions of the mineralized drill core and obtained similar results. A 3.4 line kilometre magnetometer survey traced a distinct magnetic high anomaly from the mineralized drill holes to the south. Further magnetometer surveys to the north and south, and on closer spaced (25 metre) lines in some of the already surveyed areas, are required to fully determine the extent of this anomaly.

Respectfully submitted,



David Newton, B.Sc. (Hon)

6.0 REFERENCES

Elwell, J.P., 1976; Geological assessment report: B.C. Mineral Resources Branch Assessment Report 6215.

Gonzalez, R.A., 1989; Summary of the Cat Mineral Claims: In-house Report for Rise Resources Inc.

Lammle, C.A.R., 1972; Geology, soil copper and ground magnetics Dago-Open property, Aspen Grove in the Nicola Mining Division: B.C. Dept. of Mines and Petroleum Resources, Assessment Report 3789.

Morgan, D.R., 1985; A geological report on the Ox 1 & 3 Claims situated 1 km south of Aspen Grove in the Nicola Mining Division: B.C. Dept. of Mines and Petroleum Resources, Assessment Report 14306.

Preto, V.A., 1979; Geology of the Nicola Group between Merritt and Princeton: B.C. Ministry of Energy Mines and Petroleum Resources, Bulletin 69, 90 pp.

COST STATEMENT
KIDD LAKE PROPERTY
30 March 1989 - 14 January 1989

GENERAL COST

Food & Accommodation: 4pers., 14mdays @ \$26.01	\$	364.16
Supplies:		135.13
Shipments:		31.98
Fuel:		198.75
Rentals:		
HLX 4wd Blazser 4days @ \$60	\$ 240.00	
HLX 4wd Jimmy 4days @ \$60	240.00	
Ezekiel Field Equipment, 14mdays @ \$10	140.00	
Archibalds	218.00	838.00
Consultant Fees: Archean Engineering Ltd.		350.00
Fees & Licences:		955.00
Report Preparation:		<u>1,399.98</u>
 Total General Cost:	 \$	 <u><u>4,473.00</u></u>

Geochemical Survey Cost

Salaries, Wages & Benefits: 2pers., 6mdays @ \$233.33	\$	1,400.00
Assays & Analyses - Chemex Labs:		
29 Core for AU & 32-element ICP @ \$20.25	\$ 587.25	
11 Pulp for CU @ \$6.50	71.50	658.75
General Cost Apportioned: (6/14 X \$4,473.00)		<u>1,917.00</u>
 Total Geochemical Survey Cost:	 \$	 <u><u>3,975.75</u></u>

Geophysical Survey Cost

Salaries, Wages & Benefits: 2pers., 8mdays @ \$155	\$	1,239.98
Rentals: Appian Proton Mag., 4days @ \$27		108.00
General Cost Apportioned: (8/14 X \$4,473.00)		<u>2,556.00</u>
 Total Geophysical Survey Cost:	 \$	 <u><u>3,903.98</u></u>

8.0 STATEMENT OF QUALIFICATIONS

DAVID NEWTON, B.Sc. (Hon.) Geology

Academic

1986 B.Sc. (Hon) in Geology	University of British Columbia Vancouver, British Columbia
1981 Mining Technologist	B.C. Institute of Technology, Burnaby, British Columbia

Practical

1986 - present	Project geologist with Mark Management, Hughes-Lang Group
1988 Mark Management	Diamond and rotary drilling programs in Iskut River and Wells areas.
1987 Mark Management	Diamond and Percussion drilling programs in Quesnel area.
1986 Mark Management	Diamond drilling, geophysics and geochemical surveys near Atlin and Quesnel.
06 1985 St. Joe Canada -09 1985	Backhoe trenching and geophysical surveys in Toodoggone.
05 1984 Mark Management -08 1984	Geological mapping, geochemical and geophysical surveys in Atlin.
05 1983 Mohawk Oil Co. Ltd -09 1983 (Mining Division) -06 1981 Vernon, B.C. -09 1982	Geological mapping, geochemical and geophysical surveys in B.C.
05 1980 Dentonia Resources -08 1980	Geochemical and geophysical surveys in southern B.C.

APPENDIX A - CERTIFICATE OF ANALYSES



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

MARK MANAGEMENT LIMITED

1800 - 999 W. HASTINGS ST.
 VANCOUVER, BC
 V6C 2W2

A8913806

Comments: CC: R. GONZALES

CERTIFICATE A8913806

MARK MANAGEMENT LIMITED
 PROJECT : RISE MERITTE
 P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 14-APR-89.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
207	29	Assay: Crush,split,pulv -150
238	29	ICP: Aqua regia digestion

• NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, W.

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
398	29	Au oz/T: 1/2 assay ton	FA-AAS	0.002	20.00
921	29	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	29	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	29	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	29	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	29	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	29	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	29	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	29	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	29	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	29	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	29	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	29	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	29	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	29	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	29	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	29	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	29	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	29	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
938	29	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	29	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	29	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	29	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	29	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	29	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	29	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	29	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	29	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	29	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	29	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	29	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	29	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	29	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1800 - 999 W. HASTINGS ST.
 VANCOUVER, BC
 V6C 2W2

Project: RISE MERITTE
 Comments: R. GONZALES

Page No.: 1-A
 Total Pages: 1
 Date: 14-APR-89
 Index #: I-8913806
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8913806

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
DDH 72-2 55-60	207 238	< 0.002	1.36	2.0	25	40	0.5	< 2	5.28	29.0	23	9	5450	4.30	< 10	< 1	0.29	< 10	1.57	1120
DDH 72-2 60-65	207 238	< 0.002	2.59	1.2	40	50	0.5	< 2	5.20	17.5	24	13	4090	5.22	< 10	< 1	0.24	< 10	1.94	1260
DDH 72-2 65-70	207 238	< 0.002	2.78	0.8	35	40	1.0	< 2	3.87	11.0	21	14	2670	5.67	< 10	< 1	0.13	< 10	1.95	1250
DDH 72-2 70-75	207 238	< 0.002	3.21	0.6	5	30	< 0.5	2	4.14	9.0	17	13	2790	3.96	< 10	< 1	0.16	< 10	1.83	1050
DDH 72-2 75-80	207 238	< 0.002	3.65	0.4	50	30	1.0	4	4.96	8.0	15	14	1395	3.55	< 10	< 1	0.09	< 10	1.52	850
DDH 72-2 80-85	207 238	< 0.002	2.18	0.6	25	20	< 0.5	< 2	2.31	10.0	17	15	9510	3.97	< 10	1	0.16	< 10	1.76	700
DDH 72-2 305-310	207 238	< 0.002	2.74	0.6	25	50	0.5	< 2	3.51	5.5	17	15	2070	4.70	< 10	1	0.14	< 10	1.88	1120
DDH 72-2 310-315	207 238	< 0.002	2.97	< 0.2	30	20	< 0.5	< 2	3.04	5.0	18	11	509	4.54	< 10	2	0.05	< 10	2.04	1030
DDH 72-2 315-320	207 238	< 0.002	1.89	28.8	40	30	< 0.5	< 2	6.32	2.0	18	8	>10000	4.61	< 10	1	0.09	< 10	1.74	1050
DDH 72-2 320-325	207 238	< 0.002	2.84	0.6	15	60	< 0.5	< 2	3.54	1.5	18	8	912	5.33	< 10	< 1	0.10	< 10	1.97	1240
DDH 72-5 50-55	207 238	< 0.023	1.32	< 0.2	10	520	< 0.5	< 2	>15.00	< 0.5	14	8	3850	2.97	< 10	1	0.18	< 10	1.21	1440
DDH 72-5 55-60	207 238	< 0.002	0.07	< 0.2	< 5	60	< 0.5	< 2	>15.00	< 0.5	4	4	4180	0.32	< 10	< 1	0.02	< 10	0.16	1710
DDH 72-5 60-65	207 238	< 0.002	0.15	2.0	< 5	110	< 0.5	< 2	>15.00	< 0.5	7	3	>10000	0.80	< 10	< 1	0.06	< 10	0.38	1730
DDH 72-5 65-70	207 238	< 0.002	0.26	0.4	5	30	< 0.5	< 2	>15.00	< 0.5	8	2	>10000	1.29	< 10	1	0.08	< 10	0.32	1400
DDH 72-5 70-75	207 238	< 0.002	0.20	0.6	25	100	< 0.5	< 2	>15.00	< 0.5	10	< 1	>10000	1.48	< 10	< 1	0.09	< 10	0.49	1360
DDH 72-5 75-80	207 238	< 0.002	0.25	0.8	115	30	< 0.5	< 2	>15.00	< 0.5	10	1	>10000	1.74	< 10	2	0.14	< 10	0.59	1580
DDH 72-5 100-105	207 238	< 0.002	1.09	0.8	10	40	< 0.5	2	13.90	< 0.5	11	3	5700	2.26	< 10	1	0.34	< 10	0.96	1070
DDH 72-5 105-110	207 238	< 0.002	1.13	1.0	10	70	< 0.5	4	>15.00	1.5	13	8	307	2.27	< 10	< 1	0.03	< 10	1.12	1460
DDH 72-7 95-100	207 238	< 0.002	0.94	9.0	5	20	< 0.5	< 2	>15.00	3.0	11	14	>10000	2.82	< 10	< 1	0.06	< 10	0.95	1360
DDH 72-7 100-105	207 238	< 0.002	0.71	10.2	20	60	< 0.5	< 2	6.05	16.5	21	49	>10000	7.60	< 10	< 1	0.34	< 10	1.62	1500
DDH 72-7 105-110	207 238	< 0.002	0.53	2.4	20	40	< 0.5	< 2	7.78	3.5	15	7	>10000	3.49	< 10	< 1	0.19	< 10	1.54	1440
DDH 72-7 110-115	207 238	< 0.002	0.42	9.8	25	40	< 0.5	< 2	4.74	4.5	17	20	>10000	4.08	< 10	< 1	0.19	< 10	1.56	1230
DDH 72-7 115-120	207 238	< 0.002	0.89	1.8	10	30	< 0.5	4	2.12	2.5	15	19	8860	3.41	< 10	< 1	0.13	< 10	1.32	850
DDH 72-7 120-125	207 238	< 0.002	0.90	4.4	30	40	< 0.5	< 2	3.88	3.5	15	24	>10000	4.85	< 10	< 1	0.17	< 10	1.35	1230
DDH 72-7 200-205	207 238	< 0.002	0.55	1.0	50	70	< 0.5	< 2	6.29	2.5	12	15	3300	4.20	< 10	< 1	0.30	< 10	1.57	1260
DDH 72-7 205-210	207 238	< 0.002	0.54	1.8	15	50	< 0.5	< 2	5.33	3.5	10	20	5920	3.47	< 10	< 1	0.13	< 10	1.43	1190
DDH 72-7 210-215	207 238	< 0.002	0.34	8.6	10	30	< 0.5	< 2	4.29	3.5	9	31	>10000	3.76	< 10	< 1	0.17	< 10	1.37	890
DDH 72-7 215-220	207 238	< 0.002	0.67	1.2	25	40	< 0.5	2	2.84	0.5	12	24	4750	4.44	< 10	1	0.17	< 10	1.96	1100
DDH 72-7 220-225	207 238	< 0.002	0.34	0.6	25	30	< 0.5	2	6.84	1.5	8	21	1400	3.36	< 10	1	0.18	< 10	1.14	940

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION :

B. Coughlin



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VANCOUVER, BC
V6C 2W2

Project: RISE MERITTE
Comments: CC: R. GONZALES

Page No: 1-B
To: s:1
Date: 14-APR-89
Invoice #: I-8913806
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8913806

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
DDH 72-2 55-60	207 238	11	0.05	8	1350	1705	< 5	10	111	< 0.01	< 10	< 10	88	< 10	3240
DDH 72-2 60-65	207 238	5	0.06	7	1510	1030	5	13	72	0.12	< 10	< 10	199	< 10	1965
DDH 72-2 65-70	207 238	3	0.07	7	1620	684	5	12	68	0.27	< 10	< 10	212	< 10	1490
DDH 72-2 70-75	207 238	4	0.08	6	1330	606	< 5	8	112	0.24	< 10	< 10	139	< 10	1240
DDH 72-2 75-80	207 238	4	0.07	6	1620	622	10	8	67	0.19	< 10	< 10	138	< 10	1195
DDH 72-2 80-85	207 238	7	0.13	10	3390	588	5	6	43	0.06	< 10	< 10	114	< 10	1280
DDH 72-2 305-31	207 238	2	0.13	8	1520	410	5	7	97	0.23	< 10	< 10	150	< 10	904
DDH 72-2 310-31	207 238	< 1	0.06	6	1510	408	5	8	65	0.21	< 10	< 10	154	< 10	848
DDH 72-2 315-32	207 238	< 1	0.05	5	570	206	10	9	131	0.22	< 10	< 10	126	< 10	528
DDH 72-2 320-32	207 238	< 1	0.07	3	1550	146	< 5	11	87	0.30	< 10	< 10	199	< 10	384
DDH 72-5 50-55	207 238	< 1	0.04	5	1190	22	10	9	247	0.08	< 10	< 10	84	< 10	94
DDH 72-5 55-60	207 238	< 1	0.01	< 1	140	18	< 5	2	156	< 0.01	< 10	< 10	17	< 10	50
DDH 72-5 60-65	207 238	< 1	0.01	1	130	12	< 5	3	181	< 0.01	< 10	< 10	29	< 10	62
DDH 72-5 65-70	207 238	< 1	0.02	1	370	8	< 5	6	182	< 0.01	< 10	< 10	30	< 10	66
DDH 72-5 70-75	207 238	< 1	0.01	3	410	14	15	6	233	< 0.01	< 10	< 10	17	< 10	60
DDH 72-5 75-80	207 238	< 1	0.01	4	650	10	80	7	203	< 0.01	< 10	< 10	23	< 10	78
DDH 72-5 100-10	207 238	< 1	0.06	3	870	8	10	6	122	0.02	< 10	< 10	46	< 10	80
DDH 72-5 105-11	207 238	< 1	0.02	5	810	8	5	6	116	0.15	< 10	< 10	69	< 10	46
DDH 72-7 95-100	207 238	< 1	0.02	7	870	8	5	7	168	< 0.01	< 10	< 10	61	< 10	112
DDH 72-7 100-10	207 238	108	0.04	33	1190	26	10	10	100	< 0.01	< 10	< 10	78	< 10	482
DDH 72-7 105-11	207 238	12	0.04	9	1210	14	5	6	129	< 0.01	< 10	< 10	35	< 10	130
DDH 72-7 110-11	207 238	2	0.05	22	1680	24	20	7	95	< 0.01	< 10	< 10	38	< 10	200
DDH 72-7 115-12	207 238	< 1	0.06	12	1380	20	< 5	6	62	< 0.01	< 10	< 10	49	< 10	90
DDH 72-7 120-12	207 238	5	0.06	17	1570	18	5	7	76	< 0.01	< 10	< 10	63	< 10	154
DDH 72-7 200-20	207 238	13	0.04	30	1400	28	5	8	132	< 0.01	< 10	< 10	47	10	90
DDH 72-7 205-21	207 238	3	0.05	13	1650	14	5	5	113	< 0.01	< 10	< 10	42	< 10	114
DDH 72-7 210-21	207 238	3	0.05	23	2950	12	5	6	94	< 0.01	< 10	< 10	37	< 10	192
DDH 72-7 215-22	207 238	1	0.06	14	1740	8	< 5	8	78	< 0.01	< 10	< 10	63	< 10	96
DDH 72-7 220-22	207 238	3	0.05	19	1200	12	5	5	142	< 0.01	< 10	< 10	22	< 10	70

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION :

B. Coughlin



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A8914490

CERTIFICATE A8914490

MARK MANAGEMENT LIMITED
PROJECT : RISE MERITTE
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 25-APR-89.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
214	11	Received sample as pulp

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
301	11	Cu %: HClO ₄ -HNO ₃ digestion	AAS	0.01	100.0



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Project : RISE MERITTE
Comments: CC: R. GONZALES

Pages: 1
Date : 25-APR-89
Invoice # : I-8914490
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8914490

SAMPLE DESCRIPTION	PREP CODE	Cu %										
DDH 72-2 315-320	214 ---	4.35										
DDH 72-5 60-65	214 ---	1.22										
DDH 72-5 65-70	214 ---	1.22										
DDH 72-5 70-75	214 ---	1.00										
DDH 72-5 75-80	214 ---	0.87										
DDH 72-7 95-100	214 ---	1.08										
DDH 72-7 100-105	214 ---	4.03										
DDH 72-7 105-110	214 ---	1.08										
DDH 72-7 110-115	214 ---	2.00										
DDH 72-7 120-125	214 ---	1.61										
DDH 72-7 210-215	214 ---	1.58										

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CERTIFICATION : *W. Benfante*