

**SUMMARY REPORT**  
**1988 PROSPECTING PROGRAM**  
**RAINBOW PROJECT**  
**WHISTLER; BRITISH COLUMBIA**  
**NTS 92J/3**

**LONGITUDE: 123° 10'**

**LATITUDE: 50° 11'**

**FOR**

**NICHOLSON & ASSOCIATES**  
**NATURAL RESOURCE DEVELOPMENT INC.**

**#606-675 West Hastings Street**  
**Vancouver, B.C.**  
**V6B 1N2**

**BY**

**JOHN A. NICHOLSON, GEOLOGIST**

18804

ARIS SUMMARY SHEET

District Geologist, Victoria

Off Confidential: 94.03.03

ASSESSMENT REPORT 18805

MINING DIVISION: Nanaimo

PROPERTY: East 90  
LOCATION: LAT 50 37 30 LONG 127 32 00  
UTM 09 5608932 603744  
NTS 092L12E

CAMP: 031 Island Copper Area

CLAIM(S): Bay 56, Bay 59, Bay 61, Bay 68-69, Bay 85, Bar

OPERATOR(S): BHP-Utah Mines

AUTHOR(S): Clarke, G.A.; Fleming, J.A.

REPORT YEAR: 1989, 305 Pages

COMMODITIES

SEARCHED FOR: Copper, Molybdenum/Molybdenite

KEYWORDS: Triassic, Jurassic, Vancouver Group, Bonanza Group, Quartz diorites  
Quartz feldspar porphyry, Dykes, Chalcopyrite, Molybdenite

WORK

DONE: Drilling  
DIAD 2704.5 m 9 hole(s); NQ  
Map(s) - 8; Scale(s) - 1:200, 1:2400

RELATED

REPORTS: 14777, 16152, 16687

MINFILE: 092L 135

ARIS SUMMARY SHEET

District Geologist, Victoria

Off Confidential: 90.05.26

ASSESSMENT REPORT 18804

MINING DIVISION: Vancouver

PROPERTY: Rainbow  
LOCATION: LAT 50 12 00 LONG 123 01 00  
UTM 10 5560649 498810  
NTS 092J03E  
CLAIM(S): K.M.A. 1-2  
OPERATOR(S): Nicholson, J.A.  
AUTHOR(S): Nicholson, J.A.  
REPORT YEAR: 1989, 36 Pages  
COMMODITIES  
SEARCHED FOR: Gold, Silver, Copper, Lead, Zinc  
KEYWORDS: Jurassic-Cretaceous, Gambier Group, Metavolcanics, Metasediments  
Roof pendant, Cretaceous, Granitics, Tertiary, Dykes, Alteration, Pyrite  
Chalcopyrite, Galena, Sphalerite, Veins, Massive  
WORK  
DONE: Prospecting  
PROS 200.0 ha  
MINFILE: 092J W

LOG NO: 0602	RD.
ACTION:	
FILE NO:	

LOG NO: 0927	RD. 2
ACTION: Date received report back from amendments.	
FILE NO:	

**SUMMARY REPORT**  
**1988 PROSPECTING PROGRAM**  
**RAINBOW PROJECT**  
**WHISTLER; BRITISH COLUMBIA**

**SUB-RECORDER**  
RECEIVED  
MAY 26 1989  
M.R. # \_\_\_\_\_ \$ \_\_\_\_\_  
VANCOUVER, B.C.

**NTS 92J/3**

**LONGITUDE: 123° 10'**

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**FOR**

**NICHOLSON & ASSOCIATES**  
**NATURAL RESOURCE DEVELOPMENT INC.**

**#606-675 West Hastings Street**  
**Vancouver, B.C.**  
**V6B 1N2**

**FILMED**

**BY**

**JOHN A. NICHOLSON, GEOLOGIST**

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

**18,804**

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## INTRODUCTION

This report was prepared by John A. Nicholson, of Nicholson & Associates, Natural Resource Development Inc. Its purpose is to summarize recent work undertaken on the Rainbow claim block.

A four day prospecting program was completed during the month of August 1988. During this period of time, prospecting, limited geological mapping and rehabilitation of two previous trenches were undertaken.

A total of 21 samples were taken and analyzed for Ag, Au, Pb, Zn and Cu at Acme Analytical Labs in Vancouver, B.C.

A total of 3 persons were employed to complete the 1988 programme.

### SUMMARY

During the month of August, a total of 21 rock and soil samples were taken from the Rainbow project. Two trenches were rehabilitated, sampled and mapped. The purpose of the program was to test the Rainbow area for base and precious metal content. A kuruko type of setting (eg. Brittonia Mine) was the anticipated target. The results that were obtained indicated several things:

- (1) The Rainbow area is enriched in polymetallics.
- (2) Precious metals are associated with the base metals.
- (3) The presence of visible barite and barite values in the past indicate the possibility of a kuruko - style massive sulfide setting.
- (4) A stockwork enriched in precious metals and located along that of shears indicates:
  - (i) leaching of metals enhance gossan gulch and other seeps in the area.
  - (ii) the presence of a base metal/precious metal system at depth, hence giving rise to the metal concentration and associated back ground values in the host country rock.

Based on these conclusions it is recommended that a detailed V.L.F. - E.M. programme backed up with a magnetometer and soil geochemistry surveys be undertaken. The areas that

this program would encompass would be the Gossan Gulch area and Trench Zone area.

The programme would:

- (i) Outline any massive sulfide zones
- (ii) differentiate the various rock units and faulting/shearing present
- (iii) pinpoint areas to be trenched and drilled

Concurrent to this should be a detailed lithogeochemistry survey.

#### LOCATION AND ACCESS

The Rainbow claims block is located within the Vancouver Mining District on N.T.S. map sheet 92J/3. It is situated 5 kilometres west of the village of Whistler (Figure 1).

Access at present is via Corporate Helicopters based in Whistler of Vancouver Helicopters located in Squamish. Preexisting logging roads come within 1.3 km of the claim block.

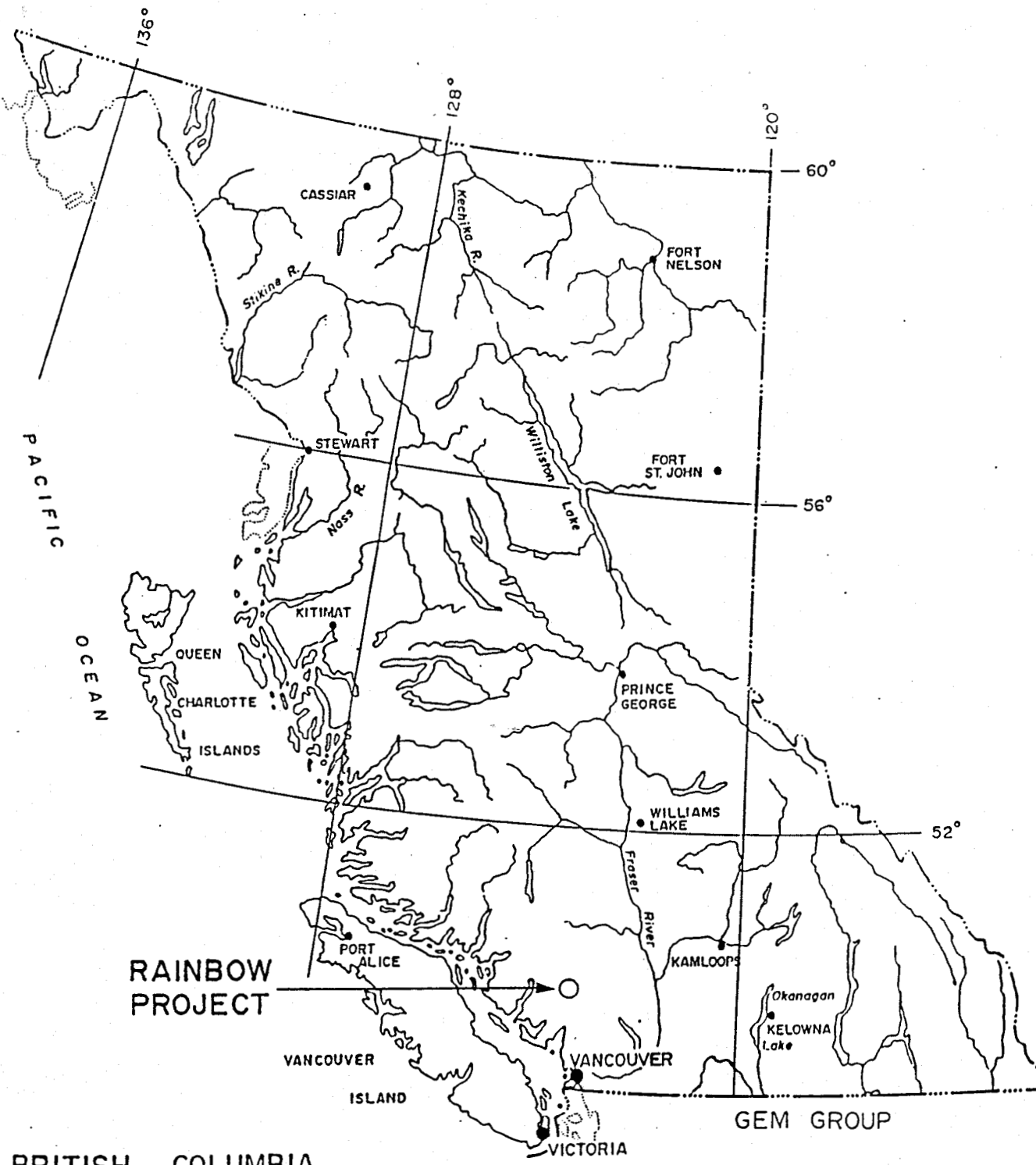
#### PROPERTY

The Rainbow property consists of 40 patented claims which were staked in accordance to the new grid system. The claims cover an area of some 2471 acres (Figure 2).

The Rainbow claims were staked in 1988 by John A. Nicholson of Vancouver, B.C.

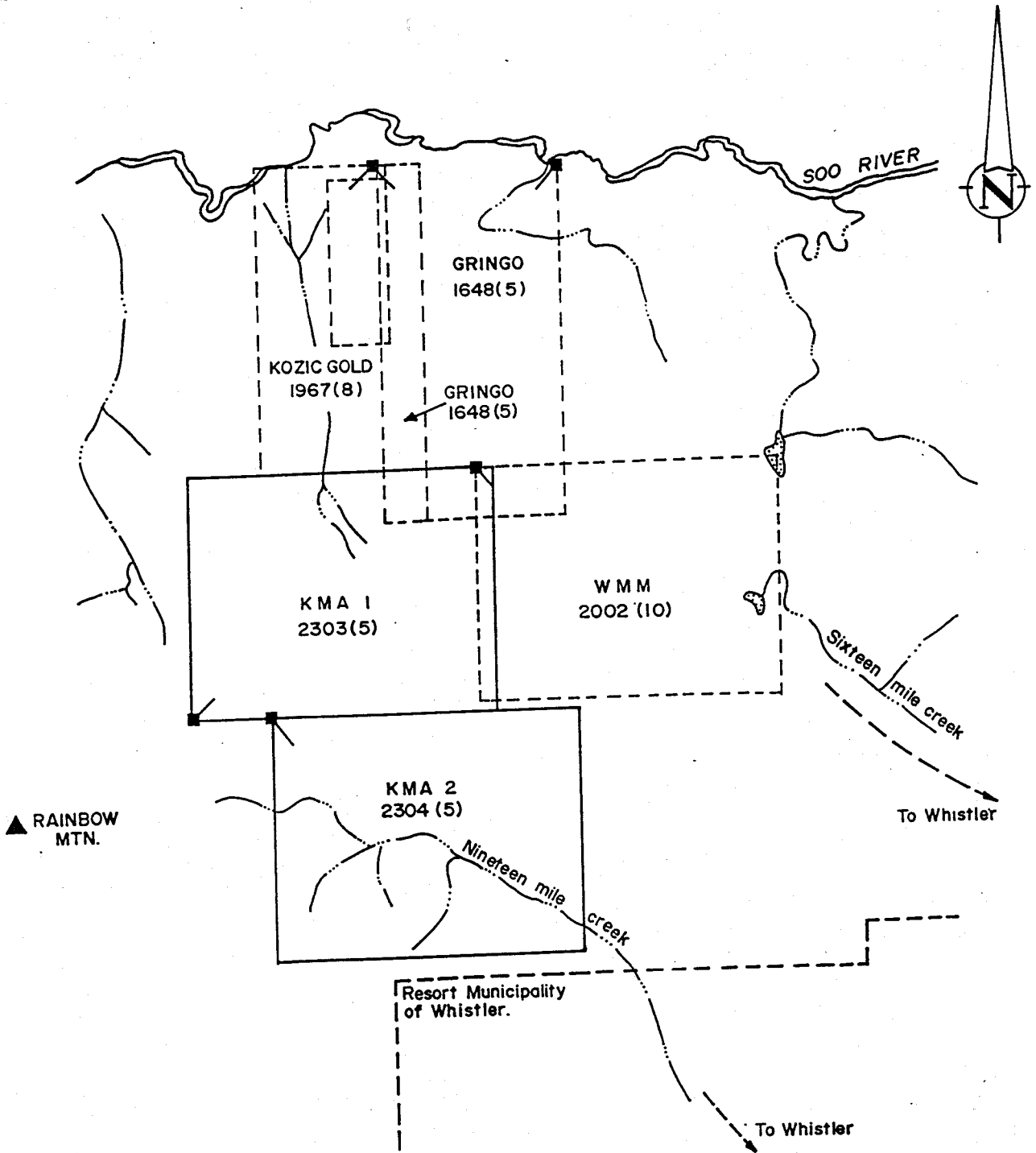
The claims were staked to cover pre-existing known massive sulfide anomalies and gold occurrences which were





**BRITISH COLUMBIA**  
 Scale 1 : 7,500,000 approx.

<b>NICHOLSON &amp; ASSOCIATES</b>		
<b>RAINBOW PROJECT LOCATION MAP</b>		
N.T.S. : 92J/3	DRAWN BY :	DATE : JAN. 89
SCALE : see above	DRAFTING : GeoGraphics	FIGURE : 1



<b>NICHOLSON &amp; ASSOCIATES</b>		
<b>RAINBOW PROJECT CLAIM MAP</b>		
N.T.S. : 92J/3	DRAWN BY : J.A.N.	DATE : JAN. 89
SCALE : 1:50,000	DRAFTING : GeoGraphics	FIGURE : 2

outlined in 1982-83 by Stackpool Resources Ltd. of Vancouver, B.C.

### CLAIMS

Claim data is as follows:

<u>Claim Name</u>	<u>Record No.</u>	<u>No. Claims</u>	<u>Expiry Date</u>
K.M.A. 1	2303	20	May 10, 1989*
K.M.A. 2	2304	20	May 19, 1989*

\*prior to filing assessment work.

### HISTORY

Exploration history in the Whistler area dates back to the early 1900's. This early exploration was prompted by the discovery in 1898 of the Britannia Beach base metal deposit. Exploration was targeted primarily towards prospecting roof pendants of the Gambier Group Volcanics.

Activity was sporadic and no record or earlier exploration other than trenches on the property is evident.

The first recorded work in the area was in the early 1970's when Duval International began looking at the base metal potential. This was subsequently followed up by other companies such as Noranda Mines Ltd., Falconbridge Copper Ltd., Kidd Creek Mines, Placer Dome, Rio Algom, and Northair Mines. Subsequently numerous copper and precious metal prospects were found in the area.

Most notable of these are the "Brandywine Creek" gold and

silver showings some 7 km southwest of Northair Mines mine site.

In 1981 Stackpool Resources staked approximately 467 claims in the Whistler area to cover all available Gambier Group roof pendants in the hopes of finding more Britannia sized Kuruko type massive sulfide bodies or Northair style precious-base metal vein mineralization. A comprehensive airborne magnetometer and V.L.F. - E.M. survey was done over most of the property. Areas of interest were prospected and several secondary targets were pin pointed. Most notable of these was one sample containing .376 oz/ton gold, .19 oz/ton silver, 76% barite within a grey silicified green schist, and another assaying .006 oz/ton Au, 0.32 oz/ton Ag within a green sericite schist.

These areas were later dropped. In 1988 John A. Nicholson staked the ground to cover these known occurrences. Subsequent prospecting on the property (Rainbow Project) revealed several gold anomalies up to 400 ppb and anomalous base metal values. At present the ground is held in good standing by John A. Nicholson. Future work should consist of a detailed prospecting and trenching programme followed by diamond drilling to further evaluate the potential of the property.

### PHYSIOGRAPHY, CLIMATE AND VEGETATION

The Rainbow property is situated within the Coast Mountain Range Complex. Elevations on the property range from 4200' to 6500'.

The property is bound by gentle sub-alpine fields above the 5200' level to steep cliffs on the northern and southern flanks of the property.

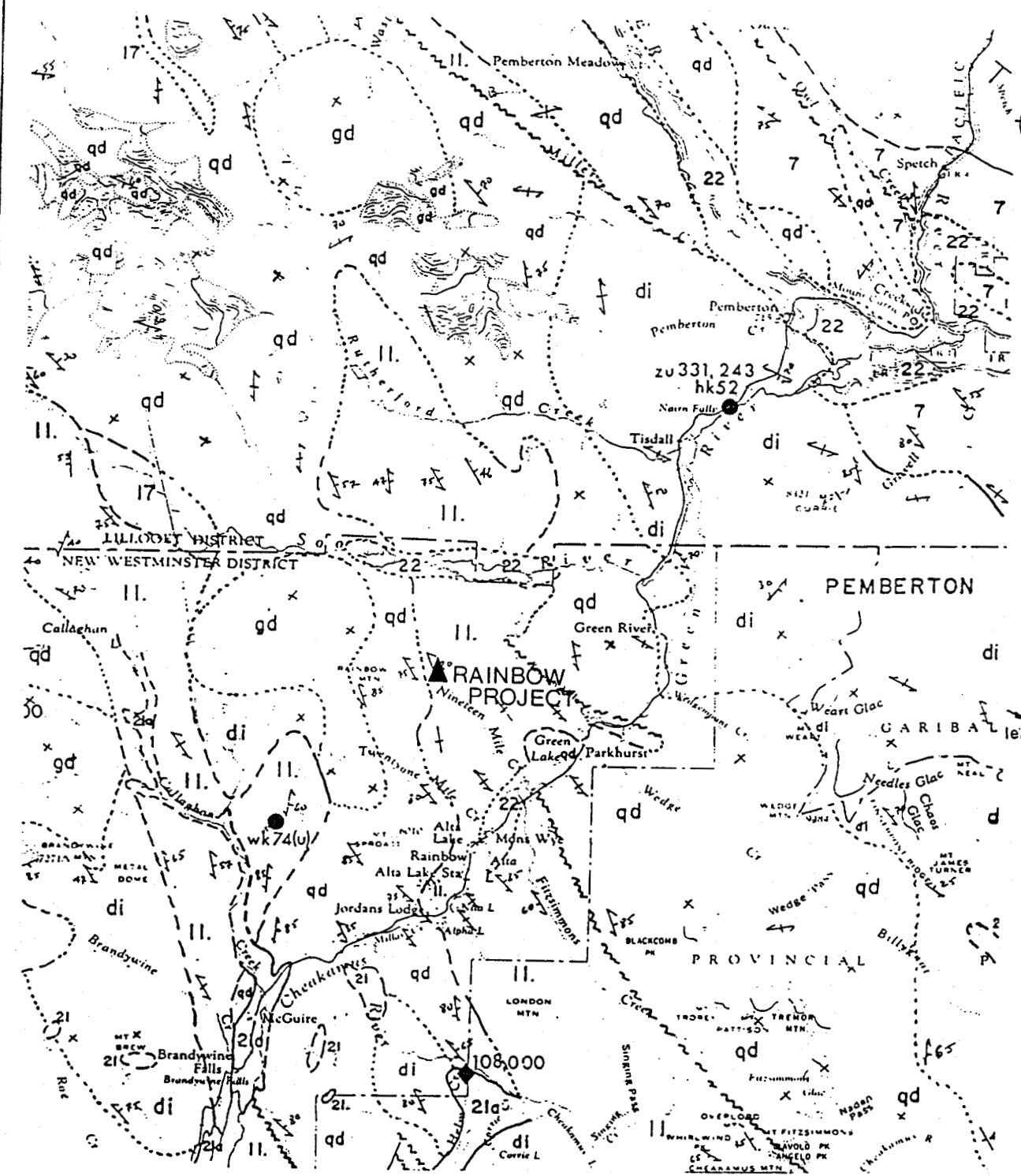
The property is subject to mountain weather systems. As a result, the weather in the summer months is very hot and humid, winter months will see in excess of some 6 feet of snowfall, and spring comes early (March) with consistent rain and the occasional snow shower.

Most of the property is covered by tall stands of Western Red Cedars and Hemlock. The exceptions to this are the alpine and cliffs regions which have very little in the way of actual plant growth.

### REGIONAL GEOLOGY

The Whistler area is underlain by three main geological units (from Woodsworth, 1977) and appears on Figure 3.

- (i) Roof pendants of metavolcanic and metasedimentary rocks belonging to the Gambier Group of upper Jurassic to lower Cretaceous age;
- (ii) Granitic rocks of the Coast Plutonic complex of upper Cretaceous age;



- 11 Gambiar Group
- 21 Alluvium
- gd granodiorite
- qd quartzdiorite di diorite

<b>NICHOLSON &amp; ASSOCIATES</b>		
<b>RAINBOW PROJECT</b>		
Regional Geology		
N.T.S. : 92J/3	DRAWN BY : J.A.N.	DATE : JAN. 89
SCALE : 1:250,000	DRAFTING : GeoGraphics	FIGURE

(ii) Dikes and lavas of Tertiary to Recent age, belonging to the Garibaldi Group.

On a regional scale, the rocks of the Gambier Group consist predominantly of andesite to dacite, tuffs and flows representative of felsic volcanic centers. Graphitic mudstones and impure siltstones form an important subdivision of the group. Also included are narrow zones of chlorite and sericite schists; the result of shearing rather than regional metamorphism. The Gambier Group was sheared along the axial planes of anticlinal structures (such as at Britannia) or along major planes of weakness such as the contact between predominantly sedimentary packages. Minor crosscutting and synvolcanic faults are accompanied by narrow shear/schist zones. The Gambier Group occurs as large, elongate roof pendants within the Coast Plutonic Complex. This complex consists of intrusive rocks, mainly quartz-diorite and granodiorite, both of which are rich in biotite and hornblende. These rocks vary little in composition and texture over large areas.

#### MINERALIZATION

The Gambier Group is a proven base and precious metal producer which includes the Britannia and Northair mines. Britannia produced 55 million tons of ore grading 1.1% copper, 0.65% zinc, 0.2 oz/ton silver and 0.02 oz/ton gold from a large number of separate ore bodies within sheared dacite

pyroclastics (Timmins and Sivertz 1983). The ores are thought to be of volcanogenic exhalative in origin (Payne, 1980) (see sections, Figures 4 and 5).

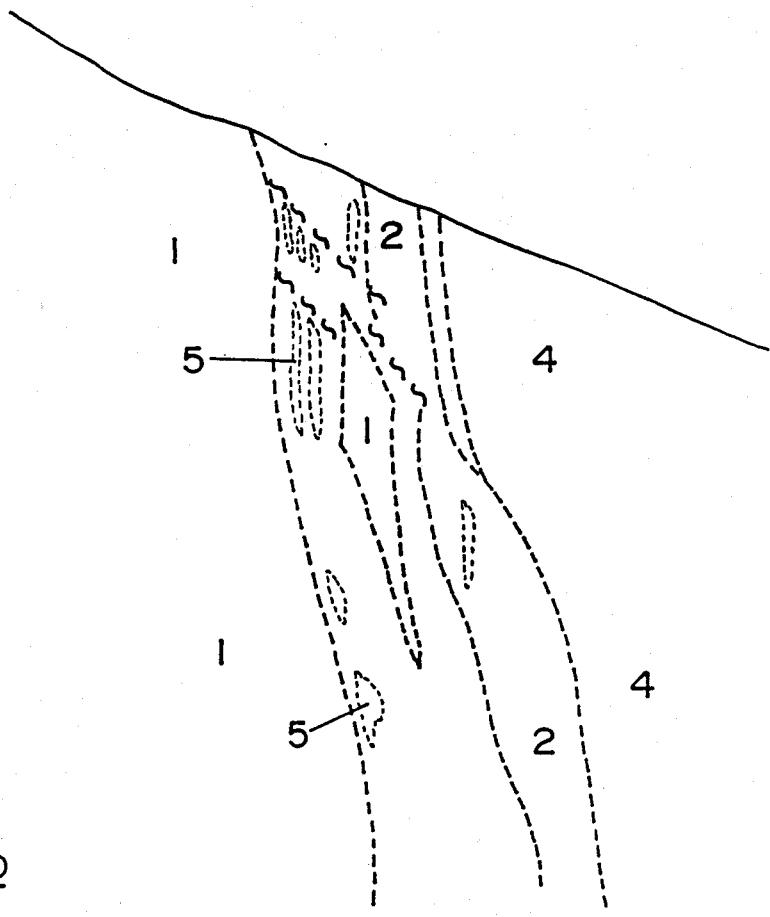
The Northair mine produced approximately 100,000 tons of ore a year between 1976 and 1982 with a total production of 150,000 oz gold, 800,000 oz silver, 12 million pounds zinc and 9 million pounds lead (Timmins, 1983). The ores consisted of base metal quartz-calcite veins hosted by coarse andesite pyroclastic rocks. The mine site is located 9 kilometres southwest of Callahan Lake and 5 kilometres west of the Rainbow Project.

Other copper and precious metal showings in the area occur within the Callahan Lake roof pendant, particularly southwest of the Northair mine site.

The showings are owned largely in part by Noranda, the Northair Mine Group and Minnova. All of these showings consist of precious metal-bearing quartz veins and sericite schists.

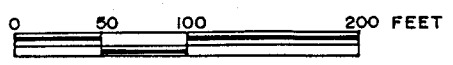
Mineral occurrences on the Rainbow Project are varied. On the western part of the property mineralization consists of cubic to disseminated pyrite within a slatey, phyllitic argillite. An abundance of quartz veins are also prominent within these argillites. Several samples taken from these areas by both Stackpool Resources and John A. Nicholson returned anomalous values.



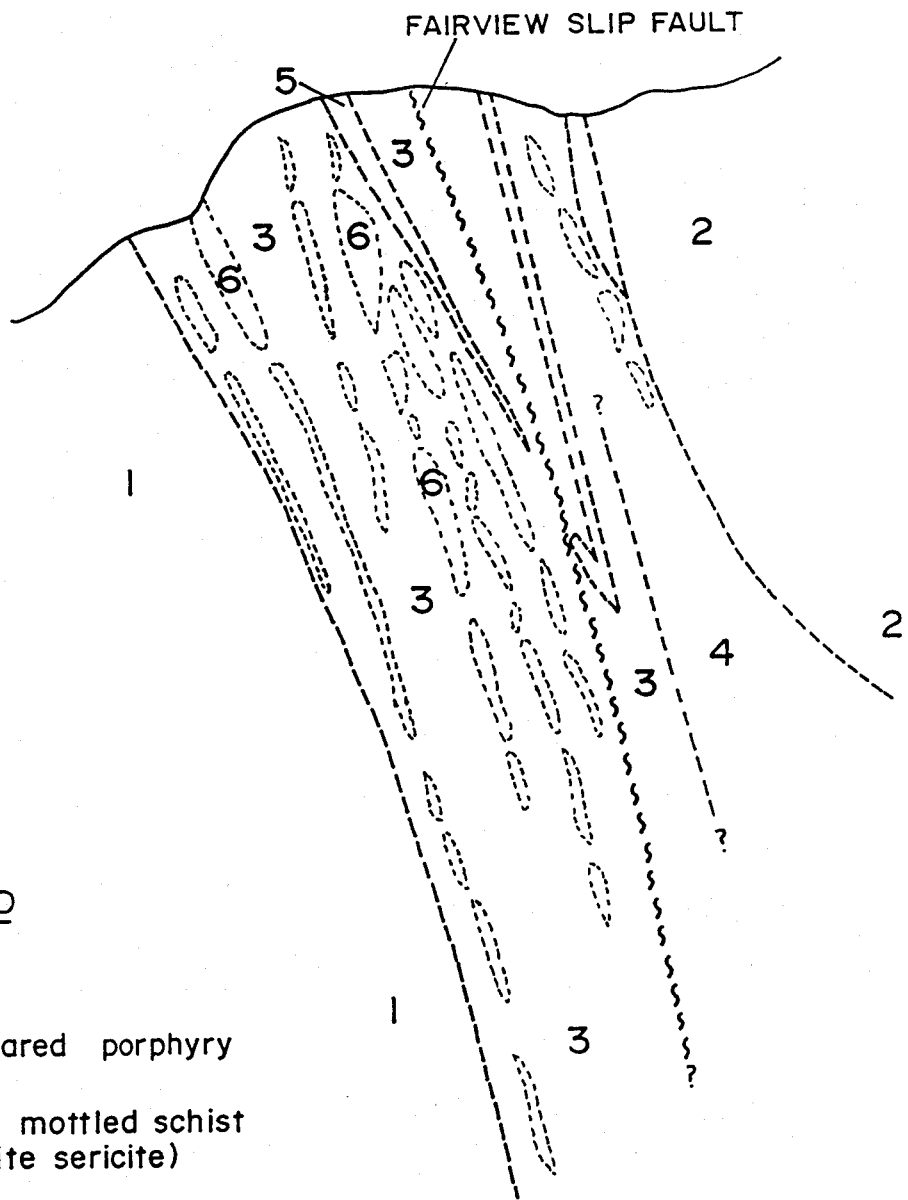


**LEGEND**

- 1 Slate
- 2 Light green schist
- 3 Green mottled schist  
(chlorite sericite)
- 4 Silver schist
- 5 Veins
- ~~~~~ Faults
- - - - - Contacts

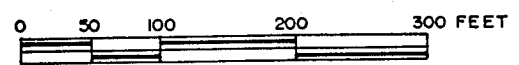


<b>NICHOLSON &amp; ASSOCIATES</b>		
RAINBOW PROJECT VICTORIA MINE BRITANNIA BEACH B.C. (TRANSVERSE SECTION)		
N.T.S. : 92J/3	DRAWN BY : J.A.N.	DATE : JAN.89
SCALE : AS SHOWN	DRAFTING : Geo Graphics	FIGURE : 4



**LEGEND**

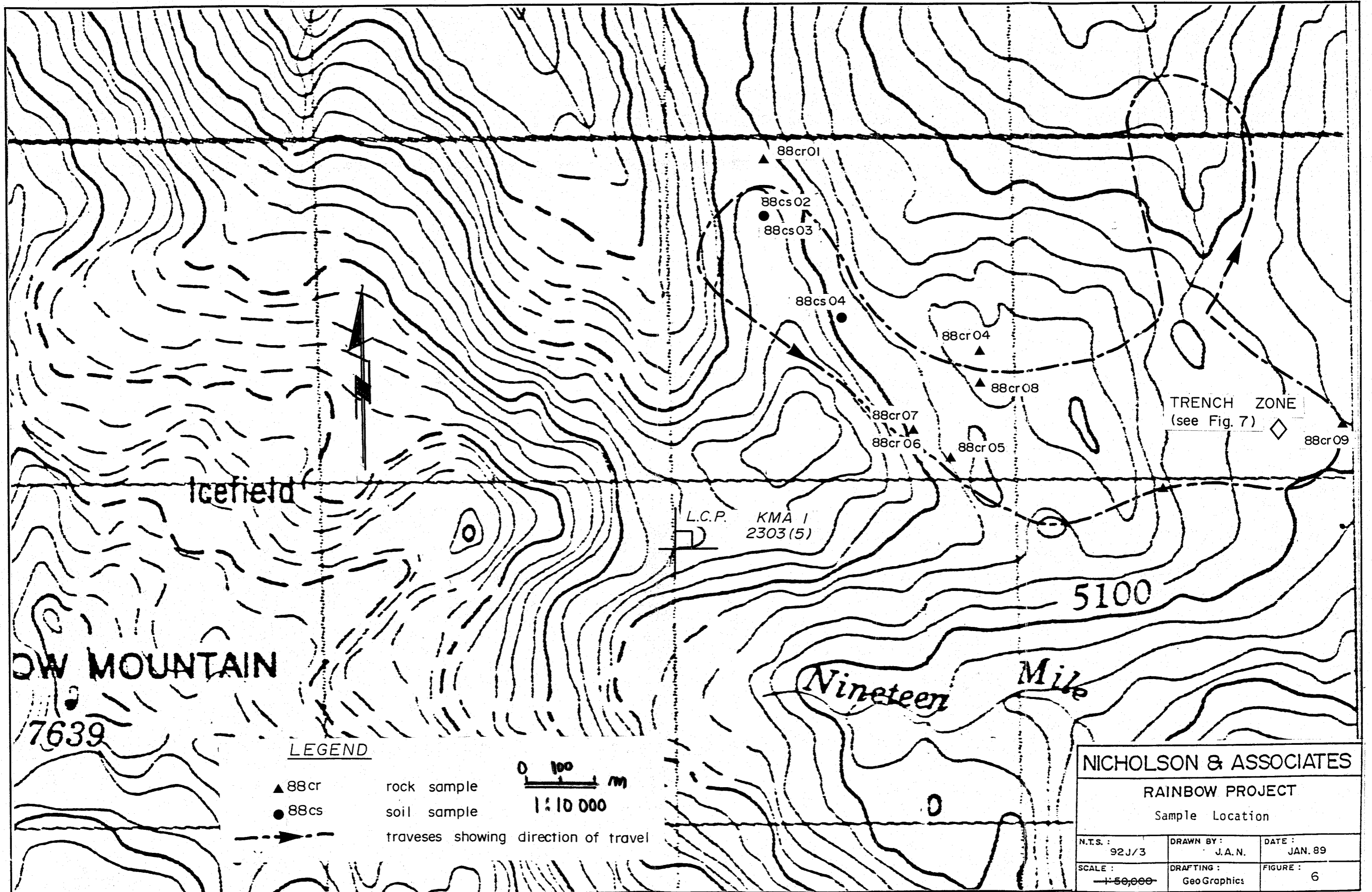
- 1** Slate
- 2** Unsheared porphyry
- 3** Green mottled schist (chlorite sericite)
- 4** Silver schist
- 5** Albite dacite dyke
- 6** Veins
- ~~~~~ Faults
- - - - - Contacts



<b>NICHOLSON &amp; ASSOCIATES</b>		
RAINBOW PROJECT FAIRVIEW MINE BRITANNIA BEACH B.C. (TRANSVERSE SECTION)		
N.T.S. 92J/3	DRAWN BY: J.A.N.	DATE: JAN. 89
SCALE: AS SHOWN	DRAFTING: GeoGraphics	FIGURE: <b>5</b>

On the central section of the property, the mineralization is varied and widespread. Again quartz sweats within the phyllitic argillite are a prominent feature. Mineralization occurs primarily in three forms. These are:

- (1) cubic-disseminated pyrite within a phyllitic argillite, occasional quartz sweats within this unit contain disseminated pyrite. Samples taken from these areas were anomalous in base metals only. (88CR001 - 88CR008)
- (2) Gossan Gulch area which is located on the north central part of the property consists of a strongly oxidized and gossanous goethite which contains widespread disseminated pyritization. Values from this area obtained by Stackpool Resources indicated the presence of polymetallic enrichment.
- (3) The Trench Zone area, which was the main focal point during Stackpool's 1982 follow-up and the Nicholson 1988 programme, consists of several forms of mineralization. The most notable is a silvery sericite schist package which contains very finely disseminated pyrite (< 1%). Several samples were obtained from this unit and returned consistent gold values of 400 ppb. Immediately adjoining this unit to the east is a greenish chloritic schist unit. Within this rock unit there appears to be a quartz stockwork. This area has received much attention.



ICEFIELD

L.C.P. KMA 1  
2303(5)

TRENCH ZONE  
(see Fig. 7)

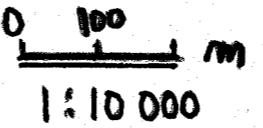
LOW MOUNTAIN

Nineteen Mile

5100

LEGEND

- ▲ 88cr rock sample
- 88cs soil sample
- ▶--- traverses showing direction of travel



NICHOLSON & ASSOCIATES

RAINBOW PROJECT

Sample Location

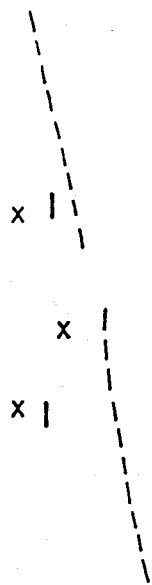
N.T.S. : 92J/3	DRAWN BY : J.A.N.	DATE : JAN. 89
SCALE : 1:50,000	DRAFTING : GeoGraphics	FIGURE : 6

Results obtained from the Trench Zone in 1983 by Stackpool Resources returned 0.376 oz/ton Au, 0.19 oz/ton Ag, 0.08% Cu and 0.13% Zn. "The sample consists of grey and silicified, sericite schist invaded by barely noticeable grey, quartz veinlets containing trace amounts of brown sphalerite, blue covellite, pyrite and chalcopyrite." Other samples obtained in the immediate vicinity returned barite values in the order of 76%.

Sampling undertaken by John A. Nicholson from the Trench Zone area (Figure 6), returned several anomalous base metal and precious metal values. These samples were taken in the vicinity of the above mentioned results. The rocks in question were primarily a greenish grey silicified chloritic schist which contained trace -3% specular sphalerite, trace -2% chalcopyrite and trace -1% pyrite. Minor shearing in the form of slickensides were present. Several of the rocks taken in the area were exceptionally heavy and the presence of visible barite was noticeable. Samples taken were #88CR010 - #88CR018.

Work undertaken by Stackpool Resources in this area consisted of a follow-up geochemistry programme around these trenches of interest. Anomalous base metal and precious metal values were obtained. Very little in the way of test pits were done and as a result many

SAMPLE No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
88CRO10	237	1214	1112	6.3	64
88CRO11	91	728	1089	3.2	35
88CRO12	908	1318	2838	8.8	105
88CRO14	1584	4235	9448	17.6	400
88CRO14A	519	2520	3536	9.5	75
88CRO15	10	30	24	.5	400
88CRO16	5	8	4	.2	129
88CRO17	3	13	2	.8	490
88CRO18	4	3	1	.6	300
88CRO19	31	122	81	.8	28
88CS020	105	134	336	.8	350
RAINBOW	643	1842	4311	7.4	84



88CRO15-19

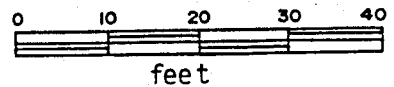
ORANGE BROWN WEATHERING

88CRO11  
88CRO12  
88CRO14  
88CRO14A  
88CS020

AREA OF ABUNDANT BARITE / SPHALERITE MINERALIZATION

**LEGEND**

- 1 Slate
- 3 Green mottled schist (silicious chlorite schist)
- 4 Silver schist
- - - Inferred contact
- ~~~~~ Fault inferred
- ⊞ Swamp
- ▲ Rock chip
- Silt sample
- ⋯ Stream
- x ○ Float / outcrop



**NICHOLSON & ASSOCIATES**

**RAINBOW PROJECT  
TRENCH MAP**

N.T.S. 92J/3	DRAWN BY J.A.N.	DATE JAN. 89
SCALE AS SHOWN	DRAFTING GeoGraphics	FIGURE 7

previously untested anomalies remain open for further expenditures.

Coupled with this and the fact that the area is enriched with anomalous, precious and base metal values makes the Trench Zone a very interesting area for future work.

### CONCLUSION

During the month of August, 1988 a total of 21 rock and soil samples were collected in the Rainbow area. These samples were taken from various locations on the property to test the polymetallic potential of the area.

Results obtained were very encouraging. All of the results had elevated base and precious metal values. These results indicate several things, and they are:

- (1) Rainbow mountain area is enriched in polymetallics
- (2) Base metals are associated with precious metals.
- (3) The presence of visible barite and barite values in the past, indicates the possibility of a kuruko-style massive sulfide setting
- (4) A stockwork system enriched in precious metals along a shear zone indicates:
  - (i) leaching of metals enhance gossan gulch and other seeps in the area.
  - (ii) The presence of a base metal/precious metal system at depth, hence giving rise to the metal concentrations and associated background values in the host country rock.

Based on these conclusions, it is recommended that a detailed lithogeochemical survey followed by V.L.F. - E.M., magnetometer surveys and trenching be initiated. The areas that would be covered are the (1) Gossan Gulch and (2) Trench Zone area. These areas would be covered by 25 meter stations with lines 100 meters apart and 1 kilometer long. The following is a cost breakdown of such a program.

#### STAGE 1

##### PERSONNEL

1 Geologist	30 days x \$225.00/day	\$ 6,750.00
3 Assistants	30 days x \$175.00/day	\$ 15,750.00

##### ROOM & BOARD

4 MEN x 30 days x \$35.00/day	4,200.00
-------------------------------	----------

##### ASSAYS

1500 SAMPLES x \$12.50/sample	18,750.00
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##### TRANSPORTATION

15 hrs helicopter x \$600/hr	9,000.00
1 4x4 truck x \$50/day x 30 days	1,500.00



EQUIPMENT/RENTAL

1 Blaster/equipment/powder x 5 days	3,200.00
1 V.L.F. - E.M. unit x \$350.00 x 4 wks	1,400.00
1 Magnetometer unit x \$350.00 x 4 wks	1,400.00

<u>SUPERVISION</u> \$350.00 x 5 days	1,750.00
--------------------------------------	----------

<u>REPORT WRITING/DRAFTING</u>	5,000.00
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TOTAL	68,700.00
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Contingency	6,300.00
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<u>TOTAL</u>	\$ 75,000.00
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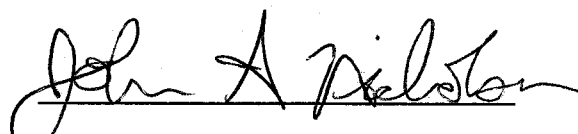
This stage (1) program would outline drill targets and other areas of interest to be trenched. This would take place in a stage (2) program contingent only on favourable results from stage (1).

STATEMENT OF QUALIFICATIONS

I, John A. Nicholson, hereby certify that:

1. I am a geologist residing at #406 - 2020 W. 2nd Ave., Vancouver B.C.
2. I have been involved in geological exploration for the past 8 years
3. I supervised the work program carried out in the Rainbow Project during the month of August.

January 28, 1989

  
John A. Nicholson

***APPENDIX 1***

***STATEMENT OF COSTS***

APPENDIX 1

STATEMENT OF COSTS

PERSONNEL

2 Geologists x 200.00/day x 4	\$ 1600.00
1 Assistant x 150.00/day x 4	600.00

<u>CAMP COST</u> (Supplies and Food)	573.21
--------------------------------------	--------

ASSAYS

21 samples x \$12.50	262.50
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TRANSPORTATION

Helicopter \$600/hr with fuel x 1.6 hrs	960.00
Truck Rental 4 days @ \$65/day	260.00

EQUIPMENT PURCHASE/RENTALS

3 Motorola Radios x 50/week	150.00
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<u>TOTAL EXPENDITURES</u>	\$ 4405.71
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*APPENDIX 2*

*ROCK SAMPLE DESCRIPTIONS*

ROCK SAMPLE DESCRIPTION RECORD

Sample No.		Location	Description	Analytical Results				
Sample No.		Location	Description	Au	Ag	Pb	Zn	Other
Sample No. 1		Project: Rainbow Mountain	Location: 92F3	Operator: J.A.N.				
88CR001	Rainbow Mountain	grab: orangy brown weathered ferruginous banded chert which contains trace -2% disseminated pyrite throughout	11 ppb	.9 ppm	393 ppm	1160 ppm	Cu: 54 ppm	
88CR005	Rainbow Mountain	grab: graphitic siltstone which contains quartz stringers throughout and trace -4% disseminated pyrite	3 ppb	.3 ppm	16 ppm	139 ppm	63 ppm	
88CR006	Rainbow Mountain	grab: silicified dark greenish grey andesite? metased? which contains finely disseminated pyrite throughout	1 ppb	.1 ppm	5 ppm	26 ppm	40 ppm	

ROCK SAMPLE DESCRIPTION RECORD

Page: 2		Project: Rainbow Mountain	Location: 92J3		Operator: J.A.N.		
Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
88CR008	Rainbow Mountain	float grab: brownish red weathered greyish highly silicified andesite which contains clasts of calcite? and trace -2% pyrite, arsenopyrite throughout. Some minor limonitic staining along fractures	40 ppb	1.4 ppm	42 ppm	27 ppm	Cu: 47 ppm
88CR010	Rainbow Mountain Trench #1	1.0m chip: orangy borwn weathered grey green quartz sercite schist which contains quartz stringers throughout, trace -10% pyrite and trace -2% sphalerite disseminated throughout	64 ppb	6.3 ppm	1214 ppm	1112 ppm	Cu: 237 ppm
88CR011	Rainbow Mountain Trench #1	1.0m chip: same as 88CR010 except increased silicification, diagenetic pyrite and trace amounts of sphalerite	35 ppb	3.2 ppm	728 ppm	1089 ppm	Cu:

ROCK SAMPLE DESCRIPTION RECORD

Page: 3		Project: Rainbow Mountain	Location: 92J3		Operator: J.A.N.		
Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
88CR012	Rainbow Mountain Trench #1	.5m -1.0m chip: silicified shear zone which contains trace -3% cubic sphalerite in a grey silicified quartz sercite schist which contains quartz veins,, stringer 1-10mm wide	105 ppb	8.8 ppm	1318 ppm	2838 ppm	Cu: 908 ppm
88CR014	Rainbow Mountain Trench #1	grab: same as 88CR012 except high grade chip sample	400 ppb	17.6 ppm	4235 ppm	9448 ppm	Cu: 1584 ppm
88CR014A	Rainbow Mountain Trench #1	1.0m chip: same as 88CR012	75 ppb	9.5 ppm	2520 ppm	3536 ppm	Cu: 519 ppm
88CR015	Rainbow Mountain Trench #2	1.0m chip: orange brown weathering silvery quartz sercite schist very platy, no visible sulfides	400 ppb	.5 ppm	30 ppm	24 ppm	Cu: 10 ppm



ROCK SAMPLE DESCRIPTION RECORD

Page: 4		Project: Rainbow Mountain		Location: 92J3		Operator: J.A.N.	
Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
88CR016	Rainbow Mountain Trench #2	1.0m chip: same as 88CR015	129 ppb	.2 ppm	4 ppm	1 ppm	Cu: 5 ppm
88CR017	Rainbow Mountain Trench #2	1.0m chip: same as 88CR016	490 ppb	.8 ppm	13 ppm	2 ppm	Cu: 3 ppm
88CR018	Rainbow Mountain Trench #2	grab: same as 88CR017	300 ppb	.6 ppm	3 ppm	1 ppm	Cu: 4 ppm

**APPENDIX 3**

**SAMPLE ASSAYS**

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
88 CR 001	54	393	1160	.9	11
88 CR 005	63	16	139	.3	3
88 CR 006	40	5	26	.1	1
88 CR 008	47	42	27	1.4	40
88 CR 010	237	1214	1112	6.3	64
88 CR 011	91	728	1089	3.2	35
88 CR 012	908	1318	2838	8.8	105
88 CR 014	1584	4235	9448	17.6	400
88 CR 014A	519	2520	3536	9.5	75
88 CR 015	10	30	24	.5	400
88 CR 016	5	8	4	.2	129
88 CR 017	3	13	2	.8	490
88 CR 018	4	3	1	.6	300
88 LR 001	1928	3	38	1.1	4
RAINBOW	643	1842	4311	7.4	84
STD C/AU-R	62	42	132	7.3	495

ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 29 1988

*Sept 5/88*

DATE REPORT MAILED: .....

### GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: P1 SOIL P2 ROCK AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NICHOLSON & ASSOCIATES PROJECT WHISTLER FILE # 88-4011 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
88 CS 002	51	121	51	.2	3
88 CS 003	32	20	40	.2	1
88 CS 004	97	15	75	.6	1
88 CS 009	106	43	226	1.1	2
88 CS 019	31	122	81	.8	28
88 CS 020	105	134	336	.8	350

**APPENDIX 4**

**CLAIM RECORDS**



Province of British Columbia Ministry of Energy, Mines and Petroleum Resources

RECORD OF MINERAL CLAIM - MINERAL ACT

MAP NO. 923/3E & 923/2E FORM G RECORD NO. 2304

MINING RECEIPT NO. 121274 J RECORDED AT Vancouver B.C. THIS 27 DAY OF May 1988

DO NOT WRITE IN THIS SHADED AREA GOLD COMMISSIONER VANCOUVER MINING DIVISION

APPLICATION TO RECORD A MINERAL CLAIM

JUIN A. NICHOLSON AGENT FOR SELF

466-2020 W 2ND AVE ADDRESS

VANCOUVER BC V6T-1T4 CITY POSTAL CODE

VALID SUBSISTING F.M.C. NO. 21-166 VALID SUBSISTING F.M.C. NO. 210

MINING DIVISION VANCOUVER MAP NO. 923/3E & 923/2E

STATE THAT: I COMMENCED LOCATING THE KMP 2 MINERAL CLAIM

ON THE 16th DAY OF MAY 1988 AT 12:30 PM AND COMPLETED THE LOCATION

ON THE 16th DAY OF MAY 1988 AT 2:30 PM CONSISTING OF

4 UNIT LENGTHS S AND 5 UNIT LENGTHS E AND I HAVE IMPRESSED ALL THE REQUIRED INFORMATION

ON METAL TAGS NO. 126170 WHICH HAS BEEN SECURELY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS.

IDENTIFICATION POST(S) NOT PLACED WERE 4# 5# 1# 3# 2# 7# 3# 5# 4# 5# 4# 4# 4# 5# 6#

CHECK "✓" APPLICABLE SQUARE [X] THE LEGAL CORNER POST/† [ ] THE WITNESS POST FOR THE LEGAL CORNER POST IS SITUATED:

PRECISELY DESCRIBE POSITION OF POST RELATIVE TO KNOWN TOPOGRAPHICAL OR SURVEYED FEATURES THAT RELATE TO FEATURES ON A MAP

1271 1271

† BEARING AND DISTANCE TO TRUE POSITION OF LEGAL CORNER POST FROM THE WITNESS POST

BEARING AND DISTANCE FROM IDENTIFICATION POST TO WITNESS POST

I HAVE COMPLIED WITH ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STAKING OF MINERAL CLAIMS AND HAVE ATTACHED A PLAN, ACCEPTABLE TO THE GOLD COMMISSIONER OF THE LOCATION.

JUIN A. NICHOLSON SIGNATURE

OFFICE STAMP 1212743 200.00

NO. OF UNITS 20

Table with columns: WORK NUMBERS, CL IN S, MINING RECEIPT AND DATE RECORDED, TYPE OF WORK, DATE OF EXPIRY, CREDIT WORK IN \$, TRANSFERS (B/S'S, ASSIGNMENTS, CONVEYANCES)



RECORD OF MINERAL CLAIM - MINERAL ACT

MAP NO. 92J/38 & 92J/39

FORM G

RECORD NO. 2303

MINING RECEIPT NO. 121274J

RECORDED AT Vancouver

B.C. THIS 27

DAY OF May

1988

DO NOT WRITE IN THIS SHADED AREA

VANCOUVER

GOLD COMMISSIONER

MINING DIVISION

APPLICATION TO RECORD A MINERAL CLAIM

NAME: John A. Nicholson AGENT FOR: SELF  
 ADDRESS: 400 7070 W 12th Ave  
 CITY: VANCOUVER B.C. POSTAL CODE: V6T-1T4  
 VALID SUBSISTING F.M.C. NO. 41200 MAP NO. 92J/38 & 92J/39  
 MINING DIVISION: Vancouver

STATE THAT: I COMMENCED LOCATING THE K1111 L MINERAL CLAIM

ON THE 1<sup>st</sup> DAY OF MAY 1988 AT 9:30 PM AND COMPLETED THE LOCATION

ON THE 10<sup>th</sup> DAY OF MAY 1988 AT 12:30 PM CONSISTING OF

4 UNIT LENGTHS N AND 5 UNIT LENGTHS E AND I HAVE IMPRESSED ALL THE REQUIRED INFORMATION

ON METAL TAGS NO. 120177 WHICH HAS BEEN SECURELY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS.

IDENTIFICATION POST(S) NOT PLACED WERE AND AN AND AN AND AN AND AN AND AN AND AN

CHECK  THE LEGAL CORNER POST/  THE WITNESS POST FOR THE LEGAL CORNER POST IS SITUATED:

(PRECISELY DESCRIBE POSITION OF POST RELATIVE TO KNOWN TOPOGRAPHICAL OR SURVEYED FEATURES THAT RELATE TO FEATURES ON A MAP)  
Post is located at 182° bearing from the witness post

† BEARING AND DISTANCE TO TRUE POSITION OF LEGAL CORNER POST FROM THE WITNESS POST

BEARING AND DISTANCE FROM IDENTIFICATION POST TO WITNESS POST

I HAVE COMPLIED WITH ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STAKING OF MINERAL CLAIMS AND HAVE ATTACHED A PLAN ACCEPTABLE TO THE GOLD COMMISSIONER OF THE LOCATION.

SIGNATURE: [Signature] OFFICE STAMP: 121274J 10.88

NO. OF UNITS	WORK NUMBERS	C/L IN 5	MINING RECEIPT AND DATE RECORDED	TYPE OF WORK	DATE OF EXPIRY	CREDIT		TRANSFERS (B/S.S. ASSIGNMENTS, CONVEYANCES)
						WORK IN'S		
20								