

85-553-14534

MineQuest Report #93  
Ref. No. RML602

**JAKE CLAIM**

**Geochemistry**

Greenwood Mining Division

06/86

N.T.S. 82 E/1jN

Latitude 49°8'N  
Longitude 118°28'W

UTM 5443500mN  
393000mE

by

A.W. Gourlay

of

MineQuest Exploration Associates Ltd.

FILMED

<u>Claim Name</u>	<u>Record Number</u>	<u>Units</u>	<u>Date Recorded</u>
JAKE	2739	18	June 8, 1981

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

June 1985

14,534

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1.0

INTRODUCTION

The JAKE claim was staked in 1981 to cover a zone of magnetite-chalcopyrite skarn outlined during a regional mapping program in the vicinity of Greenwood, B.C. in 1980. In 1980 MineQuest sampled the magnetite - chalcopyrite skarn and in 1981 conducted a magnetometer survey to test for an extension of the skarn zone.

The 1985 program, the subject of this report, consisted of contour soil sampling to the north of the skarn zone.

2.0

LOCATION, ACCESS AND TOPOGRAPHY

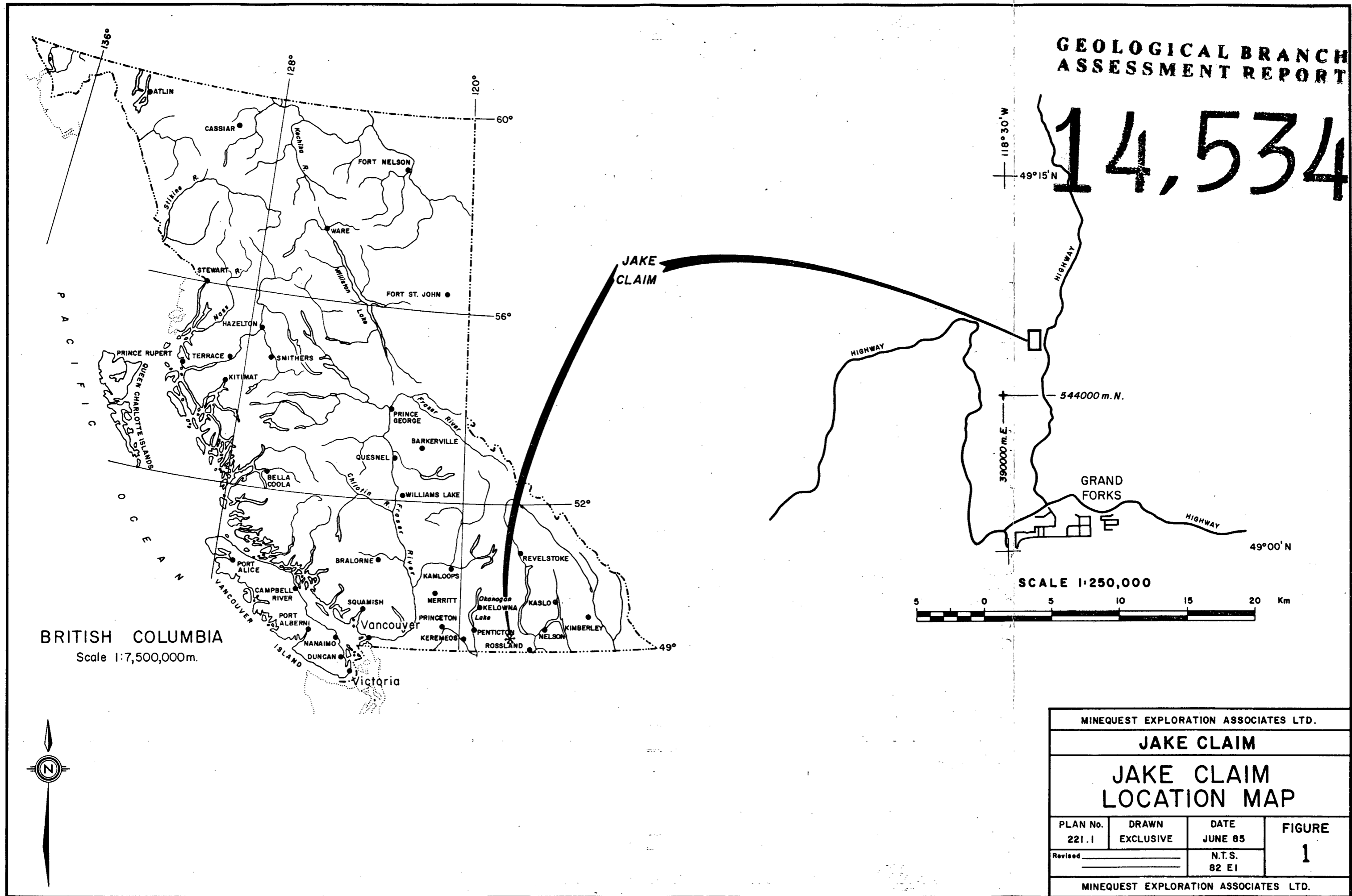
The JAKE claim is located 15km north of Grand Forks on the hills above the west bank of the Granby River.

The property is accessible by one kilometre of gravel road which joins the paved road on the west side of the Granby River.

Elevation ranges from 550m to 1100m and the claim is covered by open forest.

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

SCALE 1:250,000



MINEQUEST EXPLORATION ASSOCIATES LTD.			
<b>JAKE CLAIM</b>			
<b>JAKE CLAIM LOCATION MAP</b>			
PLAN No. 221.1	DRAWN EXCLUSIVE	DATE JUNE 85	FIGURE 1
Revised _____		N.T.S. 82 E1	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

## 3.0

OWNERHIP AND CLAIM STATUS

The following claim is owned by MineQuest Exploration Associates Ltd.

<u>Claim Name</u>	<u>Record Number</u>	<u>Units</u>	<u>Due date before submission of this report</u>
JAKE	2739	18	June 8, 1985

The JAKE claim covers a number of Crown Grants and Reverted Crown Grants, the status which is presented in Table I.

## 4.0

HISTORY AND PREVIOUS WORK

The JAKE claim and the immediate vicinity have been the focus of exploration and development since the turn of the century. Records and references date from 1896 and the available information is thoroughly reviewed by Longe (1982).

As part of a regional mapping program in 1980, MineQuest Exploration Associates Ltd. examined the crown grants in the vicinity, and established the stratigraphic position and the major geologic features. Some of the pits within the Seattle crown grant were chip sampled and analyses run for Cu, Ag, Au, Pb, Zn and Co.

TABLE I

STATUS OF CROWN GRANTS AND REVERTED CROWN GRANTS WITHIN  
JAKE CLAIMS

<u>Type*</u>	<u>Name</u>	<u>Grant #</u>	<u>Record #</u>	<u>Due Date</u>	<u>Registered Owner</u>
Rev CG	Seattle	L652	1861	Nov/86	G. Allen
Rev CG	Loyal Canadian	L1608	1994	Jan/87	G. Allen
Rev CG	Bunker Hill	L1609	1995	Jan/87	G. Allen
Rev CG	Virginia City	L1606	1997	Jan/87	G. Allen
Rev CG	No. 1	L1362	1996	Jan/87	G. Allen
Rev CG	Hummingbird Fr	L1249	36999	Mar/89	W.J. Coulter
Rev CG	Mammie	L1246	37000	Mar/89	W.J. Coulter
Rev CG	OK	L1478	36997	May/89	W.J. Coulter
Rev CG	Hummingbird	L1369	36998	Mar/89	W.J. Coulter
CG	Jennie May	L1248	Held by Title		L.V. Shannon, 3912 9th St. Dawson Creek

\* LC: Located Claim  
CG: Crown Grants  
Rev CG: Reverted Crown Grants

5.0 WORK CARRIED OUT IN 1985

5.1 Soil Sampling

A contour soil line was run at the 650 metre elevation for 1.6 kilometres. Soil samples were collected from the B horizon at 10 metre intervals along the line. Each batch of 10 samples was composited with a five sample overlap on adjacent intervals. Composite samples were made from the dried, -80 mesh fraction of 10 samples.

5.2 Laboratory Methods

All samples were sent to Bondar-Clegg & Co. Ltd., of North Vancouver, British Columbia.

The soil samples were analysed as follows:

Gold: A twenty gram sub-sample each composite sample was used to produce a dore bead through fire assay, aqua regia decomposed the dore bead and the analysis was finished with an atomic absorption determination.

Copper: Lefort aqua regia dissolution followed by atomic absorption determination

6.0 RESULTS

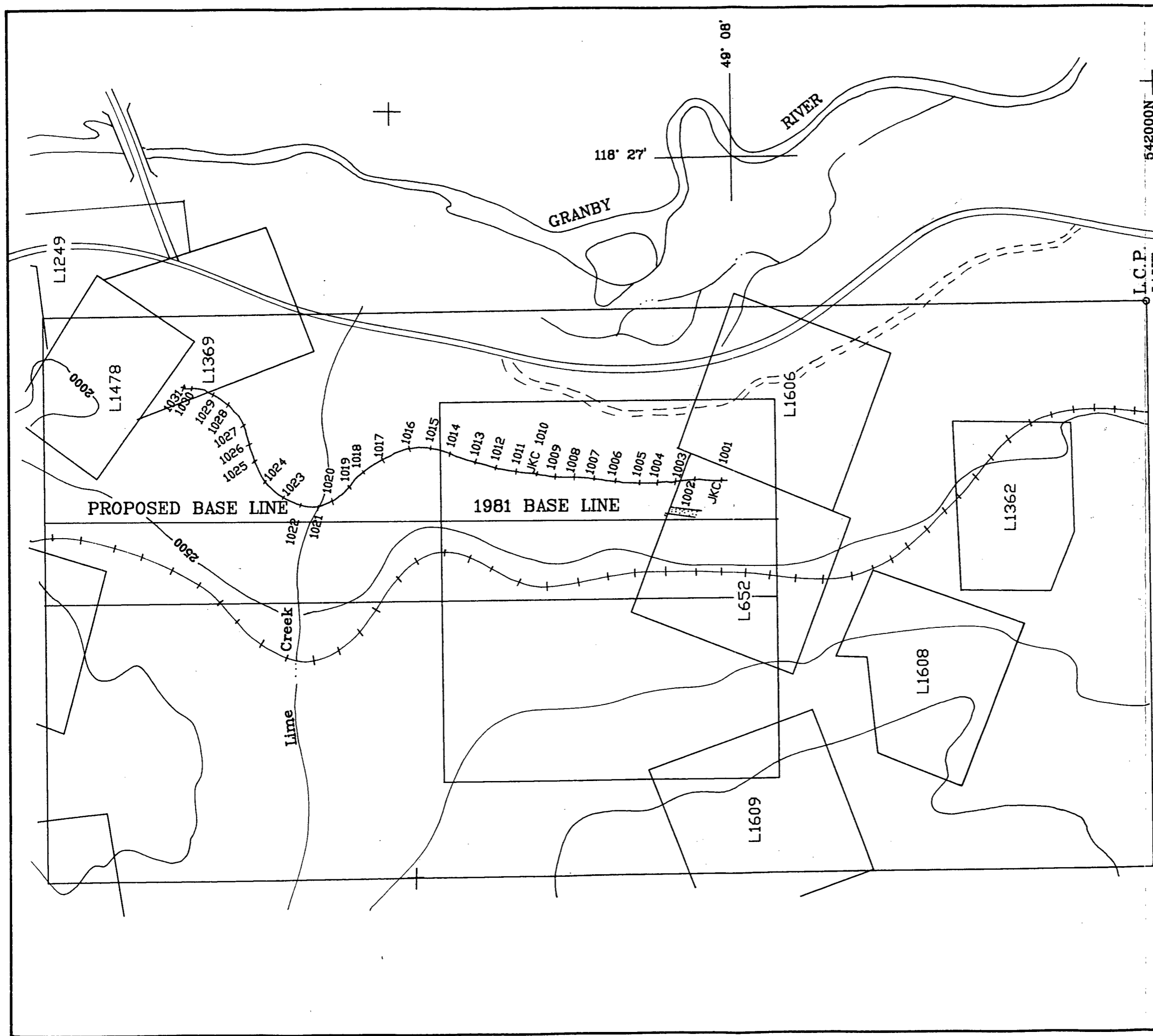
The contour soil line traverses the property downslope from the pits in the middle of the claim and extends to the north for 1.6km. The soil composite samples indicated an area of weakly



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ASSESSMENT REPORT**

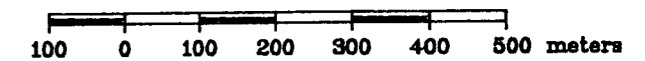
394000E

**14,534**



SAMPLE No.	Cu PPM	Au PPM
S1 JKC 1001	110	10
S1 JKC 1002	260	25
S1 JKC 1003	240	25
S1 JKC 1004	94	15
S1 JKC 1005	37	5
S1 JKC 1006	28	10
S1 JKC 1007	26	<5
S1 JKC 1008	25	<5
S1 JKC 1009	21	<5
S1 JKC 1010	20	<5
S1 JKC 1011	27	<5
S1 JKC 1012	34	5
S1 JKC 1013	32	5
S1 JKC 1014	26	<5
S1 JKC 1015	21	5
S1 JKC 1016	22	5
S1 JKC 1017	23	<5
S1 JKC 1018	28	<5
S1 JKC 1019	27	10
S1 JKC 1020	21	5
S1 JKC 1021	19	5
S1 JKC 1022	20	10
S1 JKC 1023	29	5
S1 JKC 1024	32	10
S1 JKC 1025	34	<5
S1 JKC 1026	38	5
S1 JKC 1027	29	<5
S1 JKC 1028	33	5
S1 JKC 1029	50	5
S1 JKC 1030	59	<5

SCALE 1:10,000



MINEQUEST EXPLORATION ASSOCIATES LTD.

JAKE CLAIM

COMPOSITE SOIL SAMPLE LOCATIONS  
AND  
RESULTS

PLAN No. 789	DRAWN GEO-COMP	DATE JULY 1985	FIGURE 2
Revised		N.T.S. 82E/1	

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7.0

CONCLUSIONS AND RECOMMENDATIONS

The contour soil sampling has outlined an area north of the known showing that warrants further investigation. A program of detailed geologic mapping and rock chip sampling is necessary to establish geologic continuity of the magnetite skarn exposed in the pits into the north part of the claims. A magnetometer survey over same area would better define the northern extension of the magnetite skarn.

8.0

REFERENCES

Longe, R.V., 1982;  
JAKE Claim, Compilation of Previous Work and  
Results of Magnetometry Survey;  
MineQuest Exploration Associates Ltd.  
Report #220

**APPENDIX I**

Laboratory Reports

REPORT: 125-1275

PROJECT: JAKE

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Au PPB
S1 JKC 1001		110	10
S1 JKC 1002		260	25
S1 JKC 1003		240	25
S1 JKC 1004		94	15
S1 JKC 1005		37	5
S1 JKC 1006		28	10
S1 JKC 1007		26	<5
S1 JKC 1008		25	<5
S1 JKC 1009		21	<5
S1 JKC 1010		20	<5
S1 JKC 1011		27	<5
S1 JKC 1012		34	5
S1 JKC 1013		32	5
S1 JKC 1014		26	<5
S1 JKC 1015		21	5
S1 JKC 1016		22	5
S1 JKC 1017		23	<5
S1 JKC 1018		28	<5
S1 JKC 1019		27	10
S1 JKC 1020		21	5
S1 JKC 1021		19	5
S1 JKC 1022		20	10
S1 JKC 1023		29	5
S1 JKC 1024		32	10
S1 JKC 1025		34	<5
S1 JKC 1026		38	5
S1 JKC 1027		29	<5
S1 JKC 1028		33	5
S1 JKC 1029		50	5
S1 JKC 1030		59	<5
S1 JKC 1031		44	5

APPENDIX II

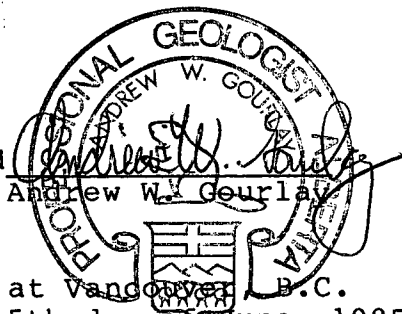
Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Andrew Gourlay, hereby certify that:

1. I am presently employed by MineQuest Exploration Associates Ltd. as Senior Geologist
2. I am a graduate of the University of British Columbia (B.Sc. Hons., 1977, in geology).
3. I am a Professional Geologist in good standing with the Association of Professional Engineers, Geologists and Geophysicists of Alberta, and a Fellow of the Geological Association of Canada.
4. I have practised my profession as geologist for 8 years.
5. The information used in this report is based on a day visit to the property and personal execution of the soil sampling.

Signed



Andrew W. Gourlay

Dated at Vancouver, B.C.  
this 15th day of June, 1985

APPENDIX III

Cost Statement

COST STATEMENT

JAKE CLAIMS

TO JUNE 30, 1985

Professional Fees	\$ 1,314.50
Casual Wages	210.00
Taxi, Parking, Fares	5.00
Freight	17.67
Geochemical Analyses	498.95
Telephone	9.72
Photocopies	2.70
Word Processing	9.24
Report Preparation	350.00
Drafting	110.50
Disbursement Over-Ride	<u>99.18</u>
Total	<u><u>\$ 2,627.46</u></u>



**APPENDIX IV**

Statement of Exploration and Development



