85-92-14223

03/86

MineQuest Report #79
Ref. No. RM1202

VODD CLAIMS

PROSPECTING AND SOIL SAMPLING

Vernon Mining Division

N.T.S. 82L/5

Latitude: 50°18'N
Longitude: 119°~~14~~38'W

by

R.V. Longe

of

MineQuest Exploration Associates Ltd.

for

Chevron Resources Limited

CLAIM NAME	RECORD NUMBER	UNITS	DATE RECORDED
VODD 1	1868	20	August 13, 1984
VODD 2	1869	20	August 13, 1984
VODD 3	1870	20	August 13, 1984
VODD 4	1871	20	August 13, 1984
VODD 5	1872	20	August 13, 1984
VODD 6	1873	20	August 13, 1984
VODD 7	1874	10	August 13, 1984
VODD 8	1875	9	August 13, 1984

November, 1984

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LIST OF ILLUSTRATIONS

APPENDICES

1.0 INTRODUCTION

The VODD claims were staked by Chevron Resources Ltd. in July 1984 to cover altered Tertiary volcanic rocks one float sample of which contained a geochemically significant value (490 ppb) in gold.

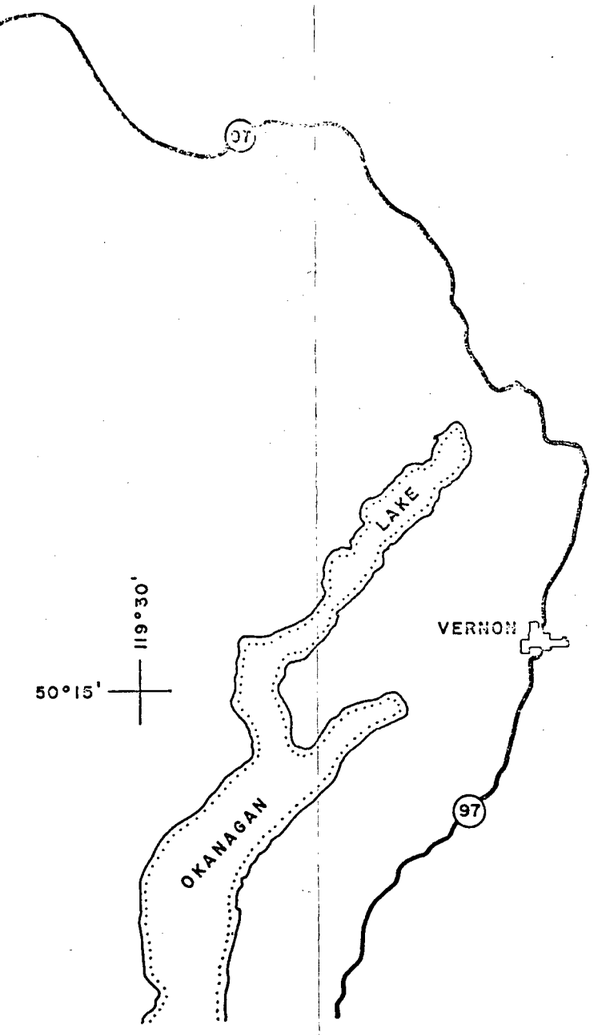
Chevron engaged MineQuest Exploration Associates Ltd. to carry out a small reconnaissance program of prospecting, rock sampling and soil sampling which is the subject of this report.

2.0 LOCATION, TOPOGRAPHY AND ACCESS

The claims lie 27 km west-northwest of Vernon in wooded country just north of Bouleau Lake. Elevations range from 4500 to a maximum of 5800 feet a.s.l. on the western boundary. Access is by logging road along Bouleau Creek. The southern portion of the claims, the location of most of the work described in this report, is covered by a network of small logging roads.

BRITISH COLUMBIA
Scale 1:7,500,000

VODD CLAIMS



SCALE 1:250,000

5 0 5 10 15 20 Km

CHEVRON RESOURCES LTD.

VODD CLAIMS

LOCATION MAP

PLAN NO.	DRAWN	DATE	FIGURE
714		NOV. 1984	1
Revised		N.T.S. 82 L/2	

MINEQUEST EXPLORATION ASSOCIATES LTD.

3.0 CLAIM STATUS

The claims listed below are held in the name of Chevron Minerals Ltd.

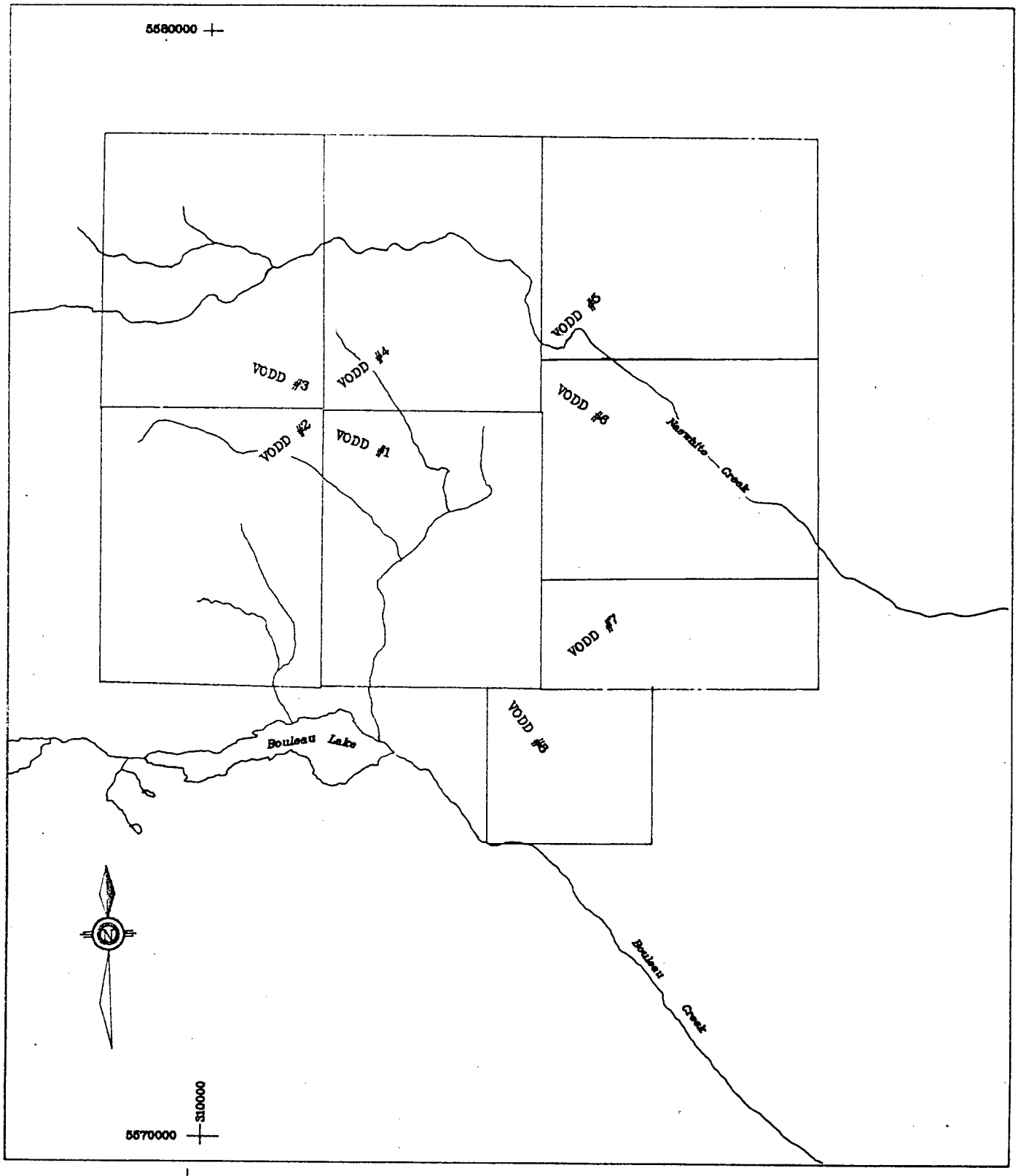
CLAIM NAME	RECORD NUMBER	UNITS	DATE RECORDED
VODD 1	1868	20	August 13, 1984
VODD 2	1869	20	August 13, 1984
VODD 3	1870	20	August 13, 1984
VODD 4	1871	20	August 13, 1984
VODD 5	1872	20	August 13, 1984
VODD 6	1873	20	August 13, 1984
VODD 7	1874	10	August 13, 1984
VODD 8	1875	9	August 13, 1984

4.0 HISTORY AND PREVIOUS WORK

Records of previous work on the claims are sparse. The B.C. Government MINFILE lists two occurrences in the neighbourhood. One, (82LSW046) is a molybdenum showing southeast of Bouleau Lake and outside the claims. The other (82LSW105), which may apply to the claims, mentions agate and jasper in flows around Bouleau Lake.

Prior to the work described in this report Chevron Resources undertook a small prospecting program in late July 1984.

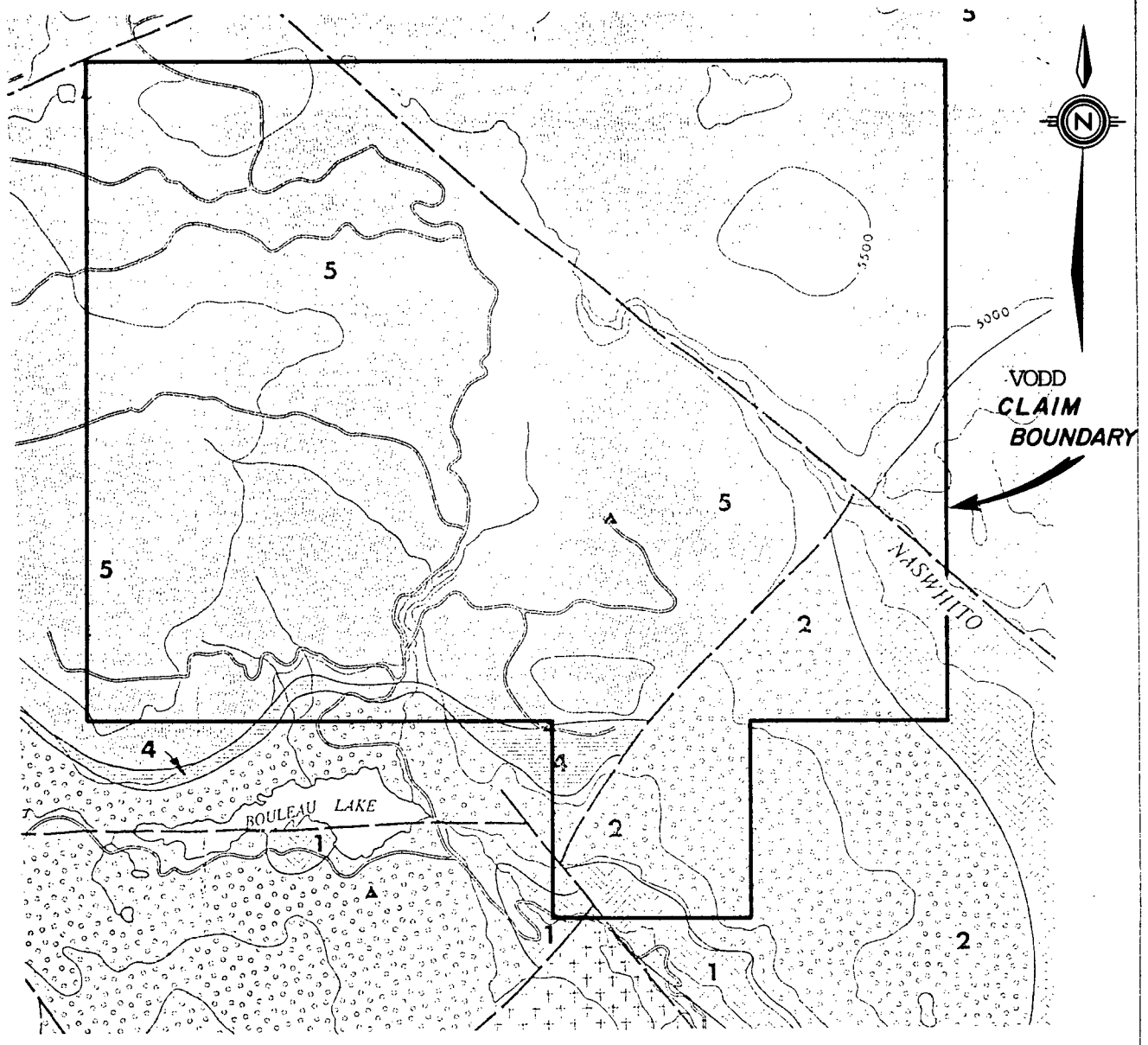
Geological Survey Map 1059A (Jones, 1959) covers the area at 1 inch to 4 mile scale. More detailed geological mapping is provided by Church, 1979 in B.C. Preliminary Map #37.



VODD CLAIMS

Figure 2

MINEQUEST EXPLORATION ASSOCIATES LTD.



LEGEND

MIOCENE ?

6 FEEDER DYKES AND REMNANTS OF OLIVINE BASALT LAVA ON HILLSIDES AND RIDGE TOPS

EOCENE

5 FINE-GRAINED GREY AND BROWN DACITE AND ANDESITE LAVA AND BRECCIA

4 RHYOLITE TUFF BRECCIA AND GLASSY LAVA

3 SYENITE AND MONZONITE, FEEDER TO MARRON VOLCANIC ROCKS

2 FELDSPAR PORPHYRY ANDESITIC LAVA LIKE KITLEY MEMBER AND (T) HORNBLENDE TRACHYTE ?

EOCENE *(CONTINUED)*

1 MAINLY THINLY BEDDED ANDESITE AND DACITE LAVA AND BRECCIA AND SOME OLIVINE BASALT

0 BROWN AND GREY SANDSTONES AND SHALES AND COARSE POLYMICTIC CONGLOMERATE

PRE-TERTIARY

Y MAINLY GRANITIC INTRUSIONS

Z MAINLY BEDDED ROCKS INCLUDING METAVOLCANIC ROCKS, LIMESTONE SCHISTS, CHERT, AND QUARTZITES

GEOLOGY OF CLAIM AREA FROM CHURCH, 1979

SCALE 1:50,000

1000 500 0 1000 2000 3000 4000 Metres

Figure 3

MineQuest Exploration Associates Ltd.

5.0 WORK CARRIED OUT IN SEPTEMBER-OCTOBER 1984

Two prospectors, L. Allen and R. Bilquist spent three field days on the southern parts of the Vodd I and II and on the Vodd VII and VIII mineral claims, examining outcrop and float and collecting selected samples. Two samplers, P.D. McCarthy and B. Griffiths, spent three days collecting soil samples at 10 metre spacings from a contour line (approximately 4900 feet a.s.l.) for 4.6km. The progam was carried out under the direction of the writer who has examined the rock samples collected but did not visit the property.

Soil samples were taken from B horizon wherever possible. Following preparation by drying and sieving to -80 mesh, overlapping composite samples were made from each 10 consecutive soil samples in the following manner. Samples 1-10 (for example) were made into the first composite, samples 5-15 were made into the second and samples 11-20 into the third. In this manner 92 composites were made from the line of 460 soil samples. Composite samples were analysed by Bondar-Clegg for silver, arsenic, antimony and gold as follows:

Gold:	two thirds of an assay ton by fire assay and atomic absorption
Arsenic:	nitric perchloric, colourmetric
Antimony:	hydrochloric, potassium iodide ascorbic TOPO-MIBK, atomic absorption
Mercury:	aqua regia, closed cell flameless atomic absorption.

Sample sites were flagged in the field. The relationship between soil samples and composite samples is given in Appendix II.

6.0 RESULTS OF 1984 PROGRAM

6.1 Prospecting and Rock Sampling

Prospecting identified a horizontal bed of sedimentary and volcaniclastic rocks consisting mostly of conglomerate and tuff with some rhyolite. This sedimentary unit overlies basalt and basalt breccia and is overlain by a later basalt.

These sediments lying between basalts correspond with a bed of tuff breccia recognized by Church (1979). (See Figure 3). Because of the presence of rhyolite and because some appear to be altered, these sediments provided the main focus for prospecting and sampling.

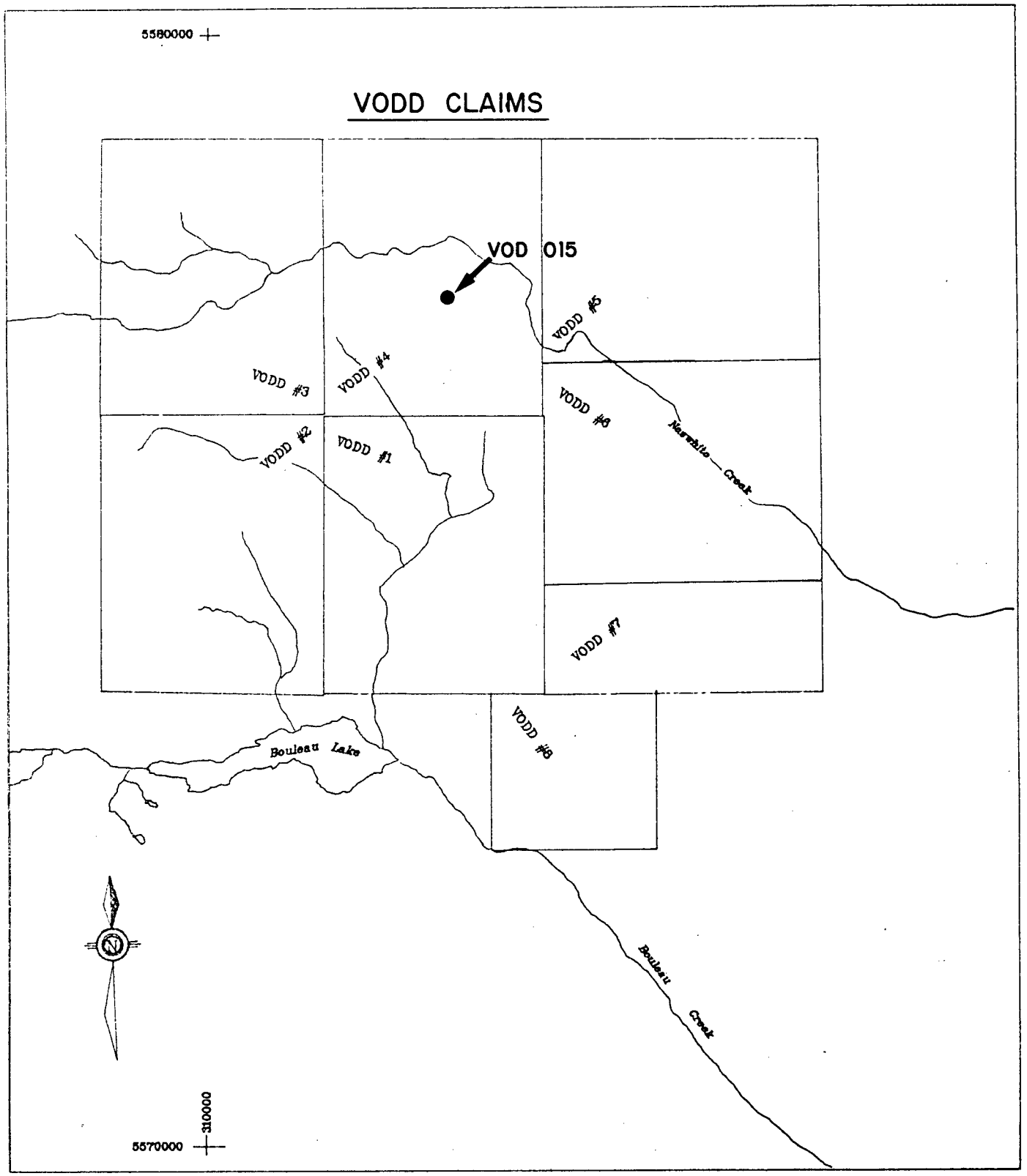
Rock sample results were uniformly disappointing. Two samples (VOD 012 and VOD 013) contained anomalous gold but these could not be repeated on analyses of the rejects. With one exception all samples contained less than 5 ppb Hg. Arsenic was low, the highest value being 16ppm.

One sample (VOD 015, Figure 4), collected from a lapidary pit some three kilometres north of the principle sampling zone, appears similar to the volcaniclastic or sedimentary rocks in the south part of VODD 1 and VODD 2, suggesting that this unit may reappear in the central part of the claims. This rock appears to have been more intensely silicified than those in the south.

Examination of witness samples from those collected during the prospecting confirms that volcaniclastic rocks and rhyolites are present. Without petrographic study it is hard to say whether there has been a significant degree of alteration. Sample VODD 015 from the centre of the claims is more attractive because it is more definitely altered.

6.2 Soil Sampling

Soil sample results were disappointing. All silver, arsenic and gold values were at background levels. In two places antimony reached weakly anomalous proportions (greater than 0.5 ppm).



LOCATION OF SAMPLE VOD 015

Figure 4

MINEQUEST EXPLORATION ASSOCIATES LTD.

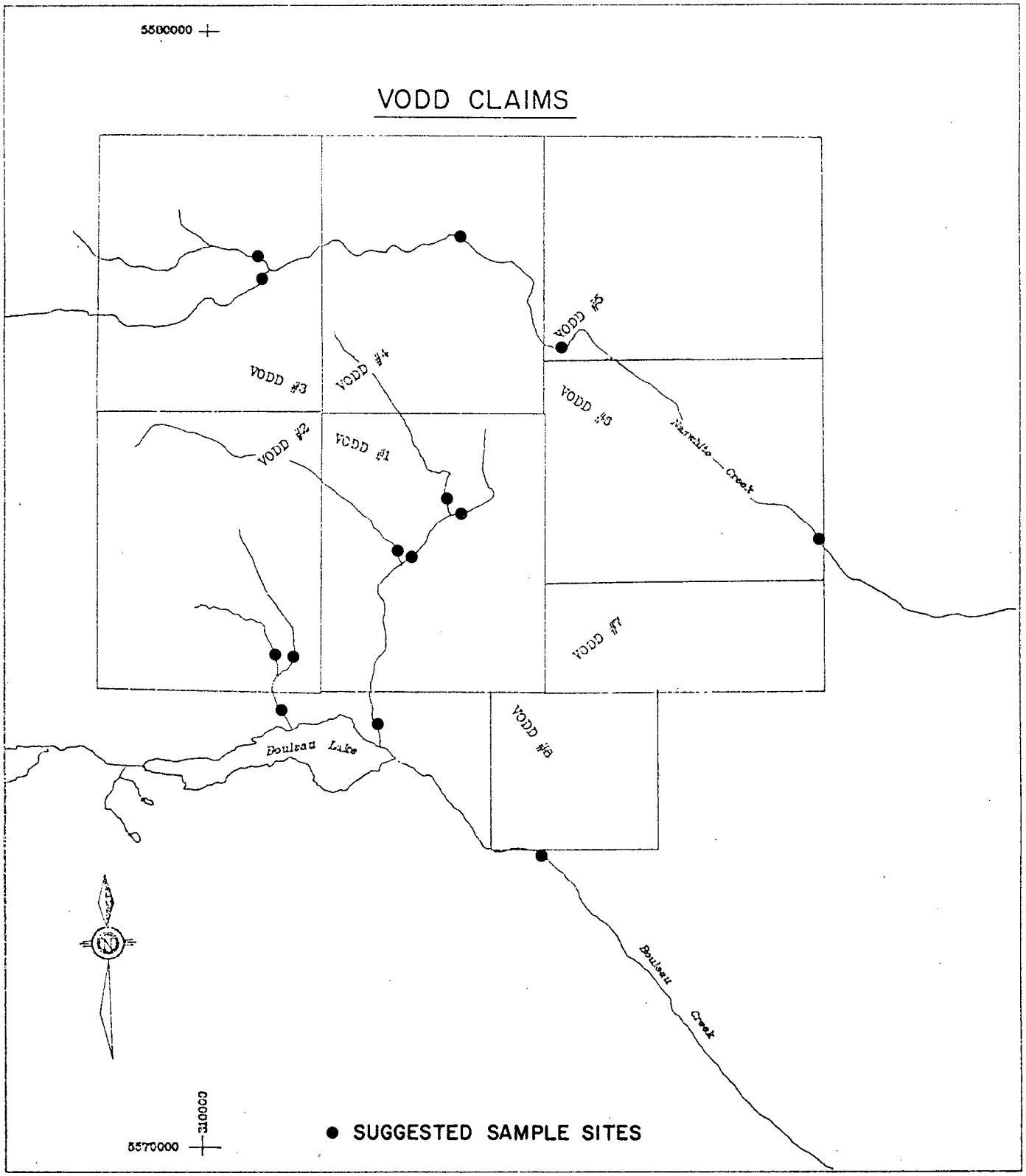
7.0 DISCUSSION

The sedimentary unit (see Figure 5) containing conglomerate, tuff and rhyolite is prospective both because of its possible alteration and because its porosity would have made it a likely channel for hydrothermal solutions.

Geochemical results both in rocks and soils, however, provide no cause for encouragement and make the existence of a large, disseminated gold deposit in the south part of VODD 1 and VODD 2 unlikely.

This limited program was confined to a small part of the property. The significant gold and arsenic value obtained by Chevron prior to the prospecting and soil sampling described in this report remains unexplained but also a source of encouragement. Moreover the sample collected in the more recent program from the centre of the claims (VOD-015) with its silica flooding and vuggy appearance warrants further work.

Although the present program has provided no evidence of a source of gold on the southern part of the claims, the possibility that gold exists elsewhere on the claims cannot be discounted. The most economical way to test this possibility is to collect approximately 15 heavy mineral samples from streams draining the property.



RECOMMENDED HEAVY MINERAL PROGRAM

Figure 5

MINEQUEST EXPLORATION ASSOCIATES LTD.

8.0 CONCLUSIONS AND RECOMMENDATIONS

1) An exposed body of disseminated gold is unlikely to exist on the southern part of the VODD 1 and VODD 2 claims.

2) The remainder of the claims should be checked for the presence of gold by collection and analyses of 15 heavy mineral samples at locations shown in Figure 5. Assuming road access is available to creeks on the east side of the property (VODD 5, 6 and 7 claims) the program could be carried out for under $3,000.

9.0 REFERENCES

Church, 1979
Geology of the Terrace Mountain Tertiary Outlier
B.C. Preliminary Map #37

Jones, A.G., 1959
Vernon Map Area
G.S.C. Memoir 1959

Minfile Occurrences:
82LSW046
82LSW105

APPENDIX I

Laboratory Reports

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Geochemic Lab Repo

REPORT: 124-3515 | PROJECT: VDD | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Hg PPB	Au PPB	NOTES
R VDD 001		<0.2	3	<5	<5	
R VDD 002		<0.2	6	<5	<5	
R VDD 003		<0.2	7	<5	<5	
R VDD 004		<0.2	16	<5	<5	
R VDD 005		<0.2	3	<5	<5	
R VDD 006		<0.2	3	<5	<5	
R VDD 007		<0.2	4	<5	<5	
R VDD 008		<0.2	3	<5	<5	
R VDD 009		<0.2	3	<5	<5	
R VDD 010		<0.2	3	<5	<5	
R VDD 011		<0.2	6	<5	5	
R VDD 012		<0.2	3	<5	15	
R VDD 013		<0.2	3	<5	200	
R VDD 014		<0.2	3	<5	<5	
R VDD 015		<0.2	3	5	<5	
R VDD 016		<0.2	3	<5	<5	
R VDD 017		<0.2	2	<5	<5	
R VDD 018		<0.2	2	<5	<5	
R VDD 019		<0.2	2	<5	<5	
R VDD 020		<0.2	3	100	<5	
R VDD 021		<0.2	3	<5	<5	
R VDD 022		<0.2	2	<5	<5	

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
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Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 124-3541 | PROJECT: VDD | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Sb PPM	Au PPB	NOTE	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Sb PPM	Au PPB	NOTE
S VDC 001		<0.2	2	0.2	<5		S VDC 041		<0.2	2	<0.2	<5	
S VDC 002		<0.2	2	<0.2	<5		S VDC 042		<0.2	2	<0.2	<5	
S VDC 003		<0.2	2	<0.2	<5		S VDC 043		<0.2	2	<0.2	<5	
S VDC 004		<0.2	2	<0.2	<5		S VDC 044		<0.2	2	<0.2	<5	
S VDC 005		<0.2	2	<0.2	<5		S VDC 045		<0.2	2	<0.2	<5	
S VDC 006		<0.2	2	<0.2	<5		S VDC 046		<0.2	2	<0.2	<5	
S VDC 007		<0.2	2	<0.2	<5		S VDC 047		<0.2	2	<0.2	<5	
S VDC 008		<0.2	2	<0.2	<5		S VDC 048		<0.2	2	<0.2	<5	
S VDC 009		<0.2	2	<0.2	<5		S VDC 049		<0.2	2	<0.2	<5	
S VDC 010		<0.2	2	<0.2	<5		S VDC 050		<0.2	2	<0.2	<5	
S VDC 011		<0.2	2	0.2	<5		S VDC 051		<0.2	2	<0.2	<5	
S VDC 012		<0.2	2	<0.2	<5		S VDC 052		<0.2	2	<0.2	<5	
S VDC 013		<0.2	2	0.2	<5		S VDC 053		<0.2	2	<0.2	<5	
S VDC 014		<0.2	2	<0.2	<5		S VDC 054		<0.2	2	<0.2	<5	
S VDC 015		<0.2	2	0.2	<5		S VDC 055		<0.2	2	<0.2	<5	
S VDC 016		<0.2	2	<0.2	<5		S VDC 056		<0.2	2	<0.2	<5	
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S VDC 018		<0.2	2	<0.2	<5		S VDC 058		<0.2	2	<0.2	<5	
S VDC 019		<0.2	2	<0.2	<5		S VDC 059		<0.2	2	<0.2	5	
S VDC 020		<0.2	2	0.2	<5		S VDC 060		<0.2	2	<0.2	5	
S VDC 021		<0.2	2	<0.2	<5		S VDC 061		<0.2	2	<0.2	<5	
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S VDC 025		<0.2	2	<0.2	<5		S VDC 065		<0.2	2	<0.2	<5	
S VDC 026		<0.2	2	<0.2	<5		S VDC 066		<0.2	2	<0.2	<5	
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S VDC 033		<0.2	2	<0.2	<5		S VDC 073		<0.2	2	<0.2	<5	
S VDC 034		<0.2	2	<0.2	<5		S VDC 074		<0.2	2	<0.2	<5	
S VDC 035		<0.2	2	<0.2	<5		S VDC 075		<0.2	2	0.2	<5	
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S VDC 038		<0.2	2	<0.2	<5		S VDC 078		<0.2	2	0.5	<5	
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S VDC 040		<0.2	2	<0.2	<5		S VDC 080		<0.2	2	<0.2	<5	

Bondar-Clegg & Company Ltd.
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Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 124-3541 | PROJECT: VDD | PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Sb PPM	Au PPB	NOTES
S VDC 081		<0.2	2	<0.2	<5	
S VDC 082		<0.2	2	<0.2	<5	
S VDC 083		<0.2	2	<0.2	<5	
S VDC 084		<0.2	2	<0.2	<5	
S VDC 085		<0.2	2	0.2	<5	
S VDC 086		<0.2	2	0.6	5	
S VDC 087		<0.2	2	0.7	<5	
S VDC 088		<0.2	2	0.2	<5	
S VDC 089		<0.2	2	<0.2	<5	
S VDC 090		<0.2	2	<0.2	<5	
S VDC 091		<0.2	2	0.2	<5	
S VDC 092		<0.2	2	0.5	<5	

APPENDIX III

Cost Statement

VODD CLAIMS
COST STATEMENT
FOR THE PERIOD SEPTEMBER 1 TO NOVEMBER 30, 1984

FEES AND WAGES:

R.V. Longe	2.24 days at $485	$ 1,086.40	
G.J. Dickie	.04 days at $485	19.40	
A. Davidson	2.73 days at $120	327.60	
Les Allen	4.00 days at $185	740.00	
R. Bilquist	4.00 days at $185	740.00	
B. Griffiths	3.00 days at $120	360.00	
P. McCarthy	3.00 days at $185	555.00	$ 3,828.40

DISBURSEMENTS:

Rental Vehicles - Term	296.43	
M.Q. Rental Vehicle Charges	23.00	
Fuels & Lubricants - Vehicles	80.90	
Freight	118.30	
Radio Rental	23.98	
M.Q. Equipment Charges - Field	112.00	
Groceries, Kitchen Supplies	22.22	
Food & Accommodation	406.88	
General Supplies	55.05	
Geochemical Analyses	2,446.61	
Telephone, Telex	30.96	
Courier, Postage	32.20	
Drafting	307.50	
Reprographics	67.57	
Xerox - In House	55.40	
Maps, Reports, Publications	7.21	
Drafting Supplies	32.55	
Report Preparation Outside Services	7.50	
Report Preparation M.Q. Word Processing	116.48	
Disbursement Over-Ride	393.59	4,636.33
TOTAL		$ 8,464.73

APPENDIX IV

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, R.V. Longe, hereby certify that:

1. I am a consulting geologist with a business office at 311 Water Street, Vancouver, B.C., V6B 1B8

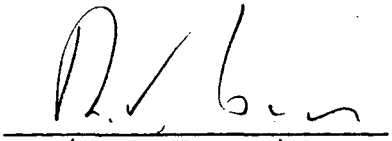
2. I am President of MineQuest Exploration Associates Ltd., a company performing geological consulting and contract exploration services for the mineral exploration industry.

3. I am a graduate of Cambridge University, (B.A. Hons., 1961 Natural Sciences Tripos, Parts 1 & 2, Geology) and of McGill University (M.Sc. 1965).

4. I am a Fellow of the Geological Association of Canada, and a member of the Canadian Institute of Mining and Metallurgy, and of the Association of Professional Engineers of British Columbia.

5. I have practiced my profession as geologist for 18 years.

6. The information used in this report is based on planning and direction of the work described.

Signed 
(R.V. Longe)

dated at Vancouver, B.C.
this 30th day of November,
1984

VODD #5

VODD #6

VODD #3

VODD #4

VODD #2

VODD #1

310000 m.E.

312000 m.E.

5576000 m.N.

5500

119° 40'W

50° 18'N

007,<5,<0.2,4,<5

008,<5,<0.2,3,<5

004,<5,<0.2,16,<5

003 <5,<0.2,7,<5

18,<5,<0.2,2,<5

005,<5,<0.2,3,<5

006,<5,<0.2,3,<5

017,<5,<0.2,2,<5

002,<5,<0.2,6,<5

016,<5,<0.2,3,<5

005,<5,<0.2,2,<5

001,<5,<0.2,3,<5

5500

VODD #7

009,<5,<0.2,3,<5

011,<5,<0.2,3,<5

014,<5,<0.2,3,<5

010,<5,<0.2,3,<5

012,<5,<0.2,3,15

03,<5,<0.2,3,200

VODD #8

022,<5,<0.2,2,<5

557400 m.N.

020,100,<0.2,3,<5

OD 012,<5,<0.2,3,5

Bouleau Lake

4500

5000

Boulaut Creek

LEGEND

X — Location

009, — Sample #

<5, — Hg(ppb)

<0.2, — Ag(ppm)

3, — As(ppm)

<5, — Au(ppb)

Note: 1) all sample nos. are preceded by "VOD"

2) values considered anomalous are underlined

Anomalous values: Hg > 100 ppb

Ag > 1 ppm

As > 25 ppm

Au > 10 ppb

Volcanic rocks, mostly basalt and basalt breccia

Sedimentary rocks, mostly conglomerate and tuff but with some rhyolite

contact (inferred)

Outcrops

Road

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,223

SCALE 1:10,000

100 50 0 100 200 300 400 metres

CHEVRON RESOURCES LTD.

VODD CLAIMS

PROSPECTING

ROCK SAMPLE LOCATIONS

ANALYTICAL RESULTS

OUTCROPS AND LITHOLOGIC BOUNDARIES

PLAN No.	DRAWN	DATE	FIGURE
713	GEO-COMP	NOV. 1984	6
Revised		N.T.S. 82 L 5	

MINEQUEST EXPLORATION ASSOCIATES LTD.

VODD #5

VODD #6

VODD #3

VODD #4

VODD #2

VODD #1

310000 m.E.

312000 m.E.

5576000 m.N.

5500

119° 40'W

50° 18'N

6500

VODD #7

VODD #8

557400 m.N.

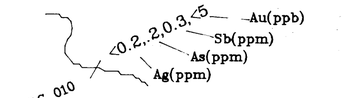
Bouleau Lake

Bouleau Creek

4500

5000

LEGEND



Values which are possibly anomalous are underlined

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,223

SCALE 1:10,000

100 50 0 100 200 300 400 metres

CHEVRON RESOURCES LTD.

VODD CLAIMS

CONTOUR SOIL LINE

RESULTS
OF COMPOSITE SAMPLES

PLAN No.	DRAWN	DATE	FIGURE
712	GEO-COMP	NOV. 1984	7
Revised		N.T.S. 82 L 5	

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