

83-#373 - #11606
7

ASSESSMENT REPORT

DIAMOND DRILLING
ON THE
LAWYERS #2 GROUP
(Submitted as assessment work
for the Attorney 2 Claim)

OMINECA MINING DIVISION

by

MOHAN R. VULIMIRI

LOCATION: N.T.S. 94E/6E
57°17' N Latitude
127°11' W Longitude

OWNER/OPERATOR: SEREM LTD.

DATES WORK PERFORMED: July 9, 10, 1983

DATE OF REPORT: August 1983

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,606

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INTRODUCTION

The Attorney 2 claim, consisting of 4 units, is located at 57°17' N latitude and 127°11' W longitude in the Toodoggone River map sheet area, N.T.S. 94E/6E, Omineca Mining Division (Figures 1 and 2). Access to the property is by plane from Smithers to Sturdee Airstrip, a distance of 280 kilometres, and from Sturdee Airstrip to the property by helicopter, a distance of about 12 kilometres.

The property is located on a high, undulating plateau above treeline. Elevation ranges from 1685 metres to 1821 metres above sea level. Most of the property is covered by glacial overburden. Cretaceous Upper Tango Creek Formation conglomerate and sandstone outcrop in the northeast and southwest corners of the claim.

The Lawyers #2 Group includes the Attorney 2 claim. Location of the Lawyers #2 Group is shown in Figure 2. The group consists of the following claims:

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record No.</u>
NEW LAWYERS 2	12	40
NEW LAWYERS 3	8	41
NEW LAWYERS 4	8	42
LAW 1	20	1445
LAW 2	12	1446
LAW 3	8	1447
ATTORNEY 2	4	1923
TOR FR.	1	3232
ATT. FR.	1	3233
NEW LAWYERS LAW FR.	1	4605

Previous work carried out by Serem Ltd. on the Lawyers #2 Group consists of extensive trenching, geochemical soil and rock sampling, and geological

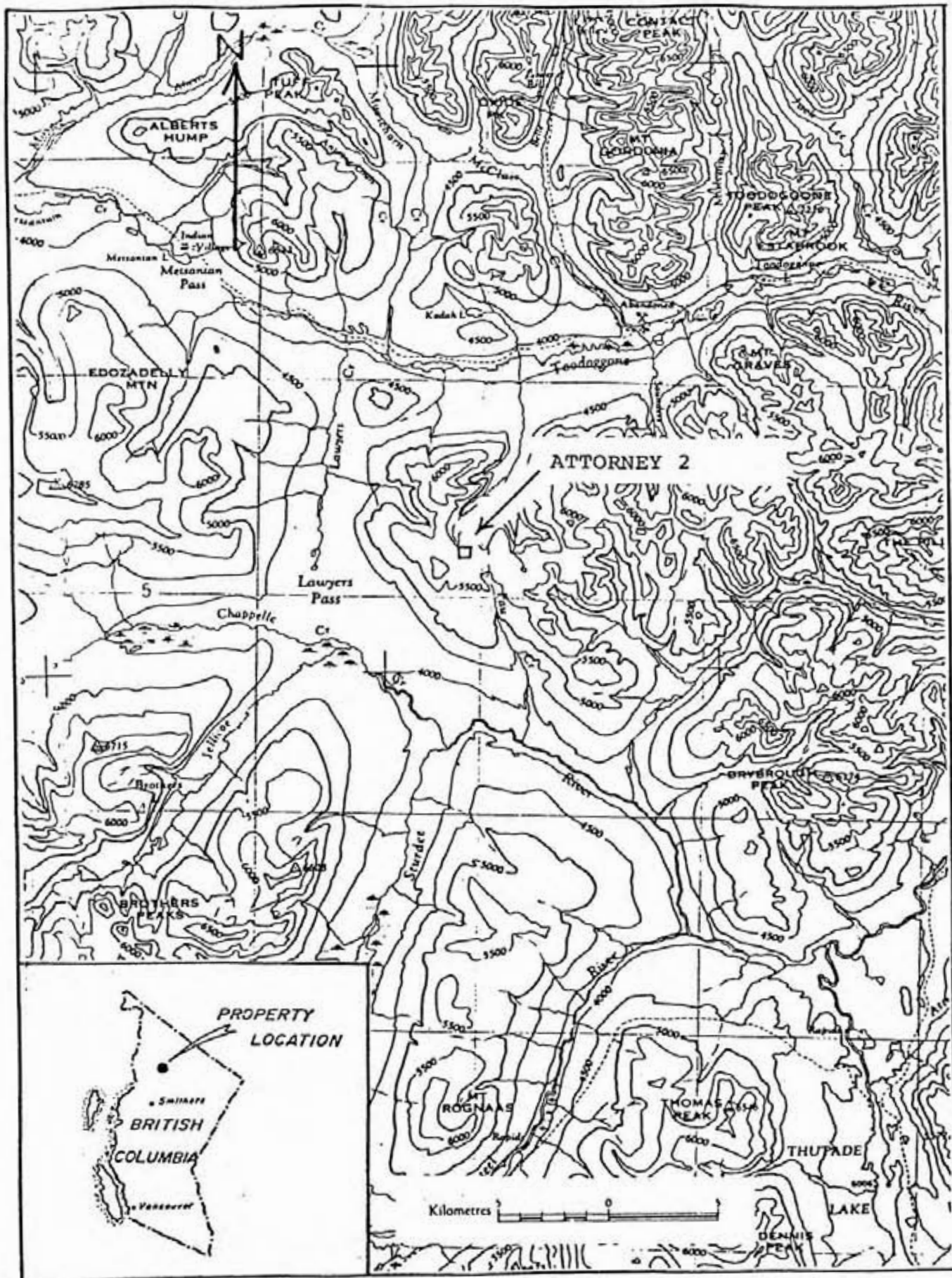


Fig. 1. Location Map of Attorney 2 Claim.

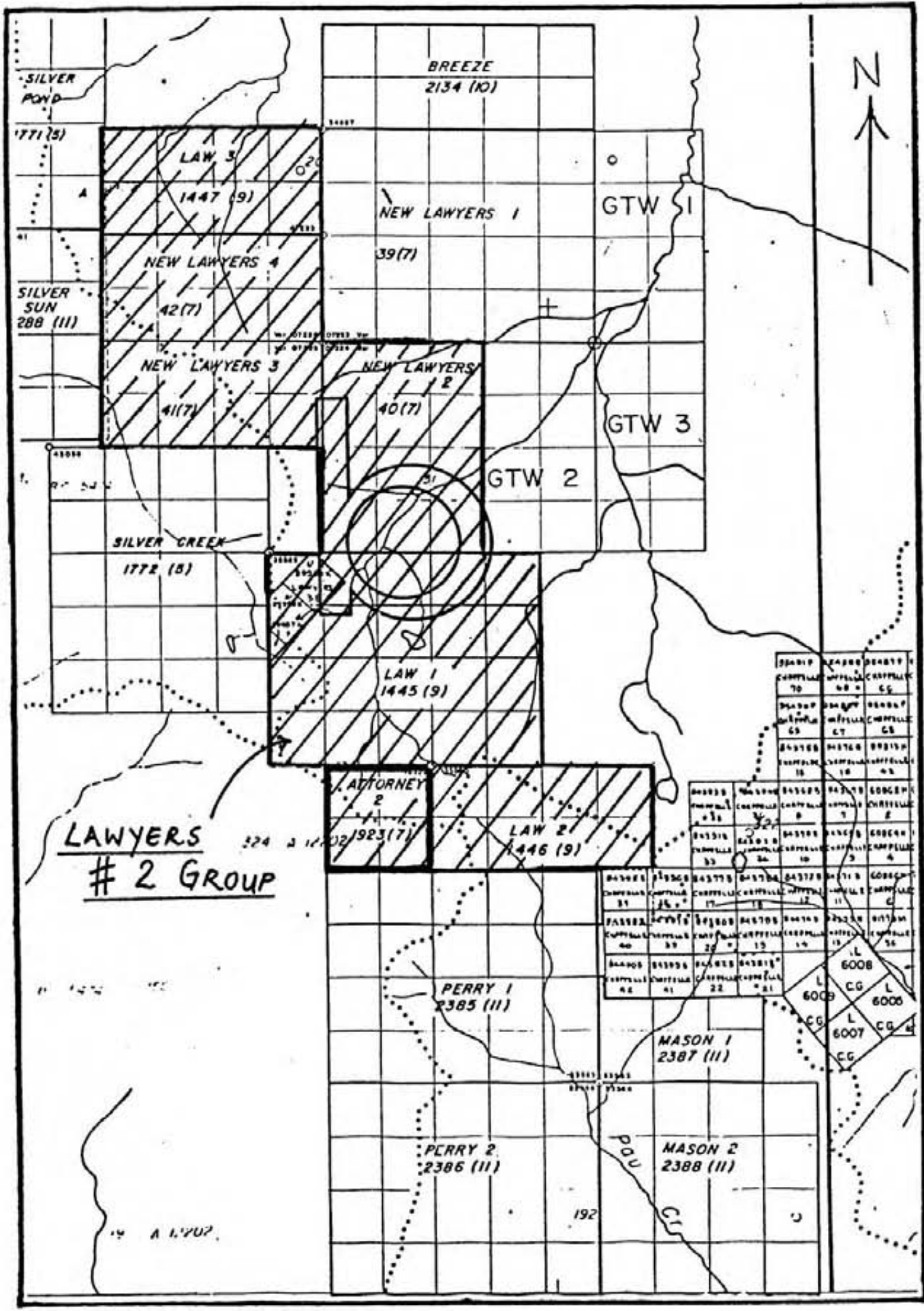


Fig. 2. Claims Map

mapping (1980-1982). Magnetometer surveys and geochemical silt sampling were carried out on the Attorney 2 claim in 1980 and 1981. Kennco Explorations drilled and trenched interesting areas on the New Lawyers 2 and 3 claims in 1974 and 1975.

In 1983, Serem Ltd. performed extensive diamond drilling, trenching and detailed geological mapping on the New Lawyers 2 and 3 claims. This report includes one B.Q. diamond drill hole, 83-CC-3, for a total of 69.19 metres. The drilling was done to test a zone of gold-silver mineralization on the New Lawyers 3 claim. The hole was logged by Mohan R. Vulimiri and the core was assayed by Min-En Laboratories of North Vancouver.

RESULTS

Diamond drill hole 83-CC-3 intersected a pyroclastic unit of fragmental andesite crystal tuff. Crystals present in the unit are feldspars of plagioclase and K-feldspar composition.

Precious metal values (argentite, electrum, native silver, minor tetrahedrite and minor native gold) occur in chalcedony-quartz breccia zones and veins. The associated alteration zone within and in the immediate vicinity of the chalcedony-quartz breccia zones is the argillic (various clays + sericite + limonite + hematite + manganese oxides) zone. The propylitic zone (chlorite + calcite + epidote) is peripheral to the argillic zone. Detailed geology and assays are presented in the drill log attached.

Geology of Lawyers #2 Group is shown in Figure 3.

CERTIFICATE OF QUALIFICATIONS

I, Mohan R. Vulimiri, certify that:

1. I am a geologist, employed by SEREM Ltd.
2. I am a graduate with a Master of Science degree in Economic Geology from the University of Washington.
3. I have been involved in mineral exploration in British Columbia since 1970 and have acted in responsible positions since 1974.
4. I have no financial interest, either direct or indirect, in the property.
5. I personally logged Diamond Drill Hole 83-CC-3 and examined the property.

Vancouver, B.C.

Mohan R. Vulimiri

Mohan R. Vulimiri.

STATEMENT OF EXPENDITURESDrill Expenses

83-CC-3 Casing and core drilling:		
69.19 metres @ \$72.37/m	\$5,007.28	
(direct cost as per		
D.J. Drilling Company Ltd.)		
Sperry Sun test	<u>42.00</u>	\$5,049.28

Room and Board

4 drillers @ \$25.00/man-day	\$ 100.00	
2 geologists @ \$25.00/man-day	<u>50.00</u>	\$ 150.00

Assays

51 samples for Au & Ag @ \$16.00/sample		\$ 816.00
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Report Writing

M. Vulimiri 1 day @ \$157.50		\$ <u>157.50</u>
	TOTAL	<u>\$6,172.78</u>

APPENDIX

Drill Log and Assays

D.D.H. 83-CC-3

SEREM LTD.

DIAMOND DRILL LOG

PROJECT: LAWYERSHOLE NO. 83 - CC - 3ZONE: CLIFF CREEKCORE SIZE: START BRLOCATION (N.T.S.) 94E/6ECHANGE -CLAIM: NEW LAWYERS 3DATE STARTED: July 9, 1983DATE COMPLETED: July 9, 1983MINING DIVISION: OMINECALOGGED BY: Mohan R. VulinicDATE: July 10, 1983SURVEY INFORMATION

GRID CO-ORDINATES (LAT., LONG.) _____

TOTAL LENGTH 69.19 metresGRID ZONE CO-ORDINATES 1+78N 0+05WELEVATION AT COLLAR 1809.76 metres

DIRECTION:

DEPTH	AZIMUTH	INCLINATION
COLLAR	S 80 W	-50° to west
69.19 metres	S 80 W	-50° to west

Mohan Vulinic

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
0		0-3.05 CASING.						
1								
2								
3		3.05 - 69.19 <u>Fragmental Andesite Crystal</u> <u>Tuffs.</u>	3					
4		3.05 - 3.25 Broken Core	4	6843	.001	.20		
5		3.25 - 4.00 <u>Chalcedony Breccia Zone</u> . Cream to dark grey chalcedony cut by limonite fractures. 1% pyrite	5	6844	.001	.02		
6		4.00 - 6.00 feldspars & matrix altering to clay ± sericite. limonite in matrix & fractures.	6					
7		6.00 - 7.97 Intense limonite staining. complete destruction of mafics. feldspars & matrix altering to sericite & clay.	7	6845	.001	.05		
8		6.6 - 7.92 <u>Fault</u> : Gouge + loss of core	8					
9		7.97 - 8.60 Clay ± sericite altered zone. Dark grey chalcedony fractures every 10cm.	9	6846	.001	.20		
10		8.6 - 11.1 Chalcedony fractures every 20cm minor limonite & waxy quartz veinlets.	10	6847	.001	.12		
11		11.1 - 11.3 chalcedony Microbreccia bordered by limonite. veinlets 40° to core axis.	11	6848	.001	.11		
12		11.66 - 14.95 limonite + manganese oxide fractures chalcedony (dark grey) veinlets and breccias (upto 5cm wide) every 2-5cm.	12	6849	.105	8.68		
13			13	6850	.039	5.20		
14		14.95 - 18.6 Chalcedony ± quartz fractures every 5-10cm in limonite stained and clay altered wallrock.	14	6851	.178	13.40		
15			15	6852	.010	.82		
16			16	6853	.001	.20		
17			17	6854	.019	2.23		
18		18.6 - 19.5 Intense clay alteration.	18	6855	.002	.20		
19		19.5 - 21.0 limonite stained clay altered wall rock.	19	6856	.001	.05		
20			20					

Mohan Vuhmiri

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
20			20	6857	.001	.16	
21		21.0 - 21.2 Chalcedony Breccia (dark grey) cut by quartz veinlet with limonite. quartz veins 5°, 65° to core axis.	21	6858	.002	.33	
22		21.2 - 23.1 Dark grey to cream chalcedony every 2 to 3 cm in clay ± sericite altered wallrock. Pyrite replacing mafics.	22	6859	.001	.05	
23			23	6860	.001	.16	
24		23.1 - 24.0 Limonite stained clay altered wallrock.	24	6861	.001	.10	
25		24.0 - 24.7 clay ± sericite altered wallrock.	25	6862	.002	.64	
26		24.7 - 24.85 Chalcedony Microbreccia dark grey matrix, light grey chalcedony fragments cut by raggy quartz veinlets.	26	6863	.001	.15	
27		24.85 - 26.2 limonite stained clay altered wallrock.	27	6864	.001	.12	
28		26.2 - 27.43. <u>Fault zone</u>	28	6865	.001	.17	
29		27.43 - 28.9 clay + limonite altered wallrock. raggy quartz fractures every 2-3 cm.	29	6866	.002	.20	
30		28.9 - 33.45 Dark grey chalcedony fractures every 1 to 5 cm cutting across cream chalcedony + quartz fractures every 2 to 5 cm in sericite + clay altered wallrock. limonite + raggy quartz veinlets every 5-30 cm.	30	6867	.001	.13	
31			31	6868	.002	.22	
32			32	6869	.001	.13	
33		33.45 - 36.55 Intense clay alteration. Mafics completely destroyed. Dark grey chalcedony + minor calcite every 1-2 cm. Minor cream chalcedony fractures every 30-90 cm.	33	6870	.002	.04	
34			34	6871	.001	.08	
35			35	6872	.007	.03	
36		36.45 Chalcedony microbreccia 25° to core axis. 5mm wide.	36	6873	.001	.12	
37		36.55 - 38.6 Limonite + clay altered wallrock with minor chalcedony (dark grey) fractures.	37	6874	.001	.06	
38		38.6 - 40.6 Same as 33.45 - 36.55	38	6875	.002	.03	
39			39				
40			40				

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DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
40		40.6-40.9 Chalcedony (dark grey) microbreccia .5% SiO ₂ .	40	6876	.003	.04		
41		41-43. Broken Core.	41					
42			42	6877	.001	.11		
43		43-45.55 Lesser clay, more sericite, minor dark grey chalcedony. Cream chalcedony fractures every 3-5cm. Calcite fractures every 5-20cm.	43	6878	.001	.18		
44			44	6879	.001	.04		
45		45.55-47.9 More clay alteration. Dark grey chalcedony cutting across cream chalcedony.	45	6880	.001	.05		
46			46	6881	.001	.13		
47			47	6882	.001	.30		
48		47.9-48.75 Dark grey chalcedony fractures & microbreccias (upto 3% SiO ₂) in clay altered wallrock.	48	6883	.003	.30		
49		48.75-50. Chalcedony fractures cut by sericite fractures in lesser clay altered wallrock.	49	6884	.001	.28		
50		50-51 <u>Fault Zone</u>	50	6885	.001	.19		
51		51-52.1 Dark grey chalcedony fractures & <u>breccia zones</u> in clay ± sericite altered wallrock.	51	6886	.001	.28		
52			52	6887	.001	.22		
53		52.1-52.4 & 52.75 <u>Fault Zones</u>	53	6888	.003	.25		
54		52.7-55.1 Less clay alteration, relict textures present.	54	6889	.001	.12		
55		55.1-55.2 <u>Chalcedony Breccia</u> with cream to dark grey chalcedony cut by clay fractures.	55	6890	.002	.11		
56		55.2-56.6 Clay ± sericite altered wallrock with dark grey chalcedony fractures every 2-3 cm.	56	6891	.002	.10		
57			57	6892	.001	.20		
58		56.6-56.75 <u>Chalcedony Breccia Zone</u> with cream to dark grey chalcedony upto 70% SiO ₂	58	6893	.001	.30		
59		56.75-63.5 Sericite + bleached wallrock with cream to dark grey chalcedony ^{veinlets} every 2-5cm cut by calcite fractures.						
60								

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
60		60.6 - 60.9 Minor chalcedony Breccia; cream chalcedony cut by Calcite fractures in bleached + silicified wall rock.						
61								
62								
63		63.5 - 69.19 Mafic minerals altering to chlorite. Calcite fractures every 2-5cm chalcedony fractures every 10-20cm. Limonite fractures every 50cm.						
64								
65								
66								
67								
68								
69		69.19 End of Hole.						
70								

Moham Vahid

LITHOLOGY

TOODOGGONE VOLCANIC SERIES

- □ □ pyroxene basalt and related dykes
- + + + upper andesite crystal tuff
- x x x dacite crystal tuff (probably not related)
- trachy-andesite porphyry, consisting of
- ∇ ∇ ∇ crystal tuff and crystal lapilli tuff
- △— welded tuff
- • • pyroclastic flows and breccias
- △ □ volcanically-derived greywackes
- +— lower andesite crystal tuff
(green and minor purple in colour, in part with quartz-eye phenocrysts, in part reworked into volcanic greywacke)

LEGEND

- access road
- outcrop
- geological contact (known, inferred)
- fault (known, inferred)
- adit
- trench
- ⊙ Diamond Drill Hole 83-MON-08

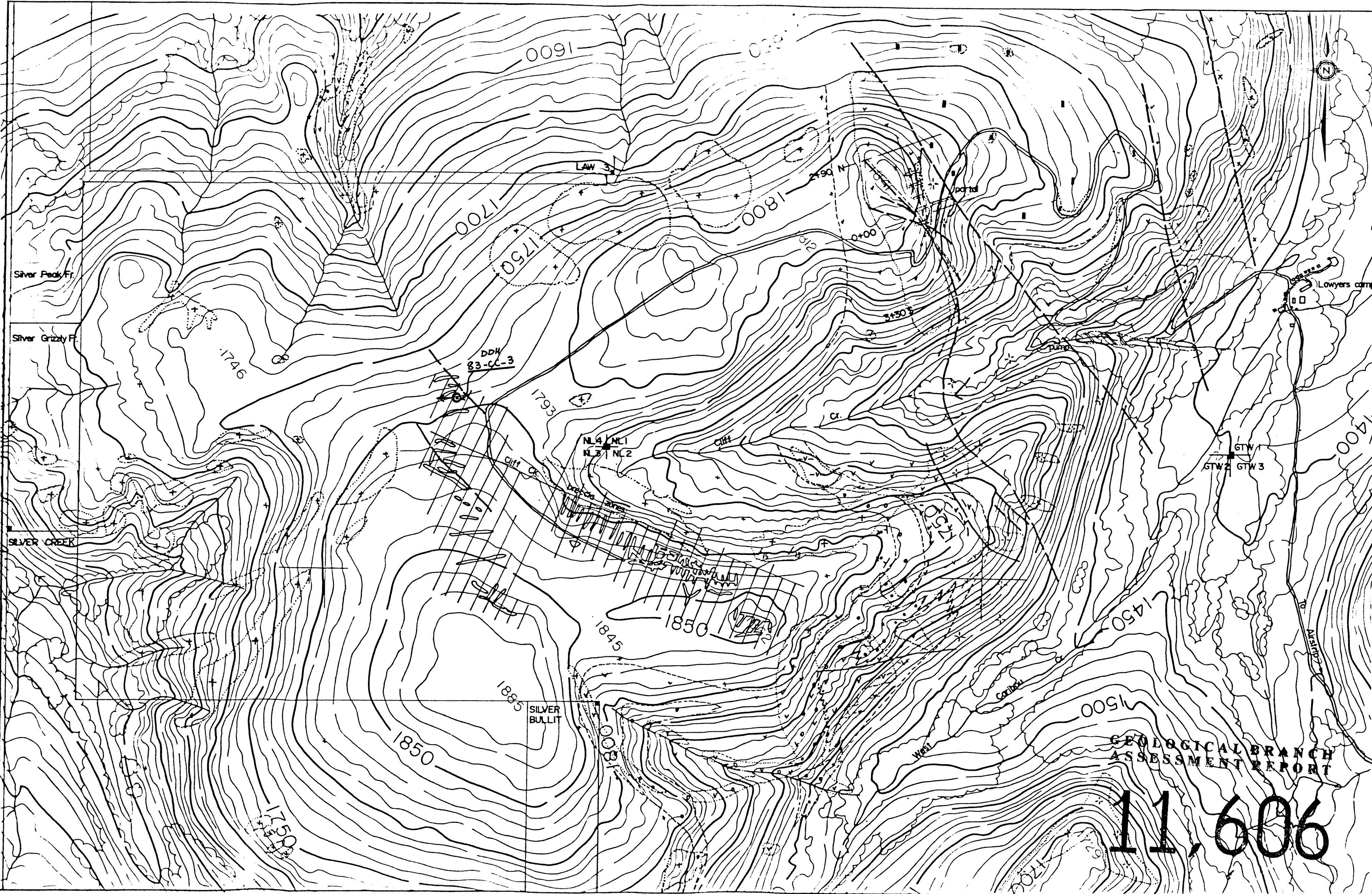
SEREM LTD.

LAWYERS PROJECT

GEOLOGY & LOCATION OF DDH 83-CC-3

DATA WJC MS SC MV PT
NTS 92E/6 DATE MARCH 83

0 500m FIG .3



**GEOLOGICAL BRANCH
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