

ASSESSMENT REPORT ON THE BASIN LAKE AND ISLE CLAIMS

HESQUIAT LAKE

ALBERNI MINING DIVISION

REPORT BY: DAVID L. KURAN
CONSULTING GEOLOGIST

AUGUST 10, 1984

OPERATOR: FLOW RESOURCES LTD.

OWNERS: PETER BUCKLAND
LORNE HANSEN

FILMED

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,694

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June 26 to July 27. 1984

STATEMENT OF COSTS

A. WAGES (Supervision, Blasting, Falling, Geology)

Geologist	D. Kuran	32 days at \$130.00	\$4,160.00	
Geologist	V. Kuran	32 days at \$130.00	4,160.00	
Geologist	D. Murphy	10 days at \$130.00	1,300.00	
				\$ 9,620.00

B. GEOCHEMISTRY- ASSAYS OF DRILL CORE

80 samples @ \$ 2.75	for	sample preparation	\$ 220.00	
9 samples @ 12.50	for	FA, Ag, Au	112.50	
71 samples @ 20.00	for	FA+AA, Cu, Pb, Zn. Ag, Au	1,420.00	
				1,752.50

C. DRILLING

2,144 feet @ \$21.00 per foot + casing costs		55,272.64
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D. BLASTING SUPPLIES

Dynamite, Amax, fuses, B line		371.70
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E. COMMUNICATIONS

Radio Rental \$300.00 per month for 1 month		300.00
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F. TRANSPORTATION

1) Fixed wing		\$1,199.50 x 30% = \$ 359.85	
2) Helicopter	24.1 hrs. @ 425 + fuel	9,340.26 x 50% =	4,670.13
3) Truck	30 days @ \$28.00/day	690 00 x 30% =	207.00
4) Boat	3 trips @ \$70.00	210.00 x 30% =	63.00
			5,299.98

G. FUEL

624 litres @ \$.4001		249.60
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H. ACCOMMODATION AND FOOD

74 man days @ \$60 00 per day		4,440.00
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I. REPORT

12.5 days @ \$130.00 per day		<u>1,625.00</u>
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\$78,931.42

SUMMARY

Between June 26th and July 27th, 1984, Flow Resources carried out an exploration drilling program on the Hesquiat Lake Brown Jug showing under the supervision of the author. The work included drill site preparation and the drilling of thirteen BQ diamond drill holes totalling 2144 feet. This program explored a strike length of 280 feet and a total down dip extension of 95 feet on the structure. Encouraging gold values of up to 7.8 feet of .234 oz/ton gold (including 1.8 feet of .716 oz/ton gold) were intersected. A program of prospecting, mapping, geophysics and trenching along strike to the north with a possible follow up drill program is recommended.

1.0 Introduction

This assessment report deals with the work done on the Hesquiat Lake Brown Jug gold and silver prospect located on the west coast of Vancouver Island. A program consisting of 13 BQ diamond drill holes totalling 2144' was completed between June 26 and July 27, 1984. This program was a follow up based on the favourable results received from a program carried out by Flow Resources between May 26, and June 3, 1984 consisting of trenching, sampling, geological mapping, soil geochemistry and geophysical surveys.

2.0 Location and access

The Hesquiat Lake claims are located some 20 miles northwest of Tofino on the west coast of Vancouver Island. The claim block is centered at 49 28' north latitude and 126 23'W longitude on NTS MAP 92 E/8W AND 9W. Access is by float plane or boat from Tofino to Stewardson Inlet at which point a main haulage logging road begins and passes within one mile of the showings. At this point travel is by boat along the east side of Hesquiat Lake for one mile to a blazed trail which leads to the showings. A small helipad now exists at the drill sites above the main showings.(Figure 1)

3.0 Physiography

The claims are heavily timbered by stands of first growth hemlock and cedar with minor fir. Numerous small creeks cut across the property which provided water for drilling. Topography in the area of the showings is steep to cliffy. Elevations on the claims range from sea level to 2800 feet.

4.0 Claim Status

The Hesquiat Lake claims consist of six claim blocks totalling 49 units located in the Alberni Mining Division. All the claims are owned by agreement between Lorne Hansen (50%) and Peter Buckland (50%). The property is currently under option to Flow Resources Ltd. (Figure 2).

CLAIM NAME	UNITS	RECORD NO.	MONTH
Lake	2	78	July
Lake 2	2	27	July
Basin 1	15	1446	June →
Basin 2	16	1519	October
Isle 1	12	1520	October
Isle 2	2	1521	October

5.0 History and Previous Work

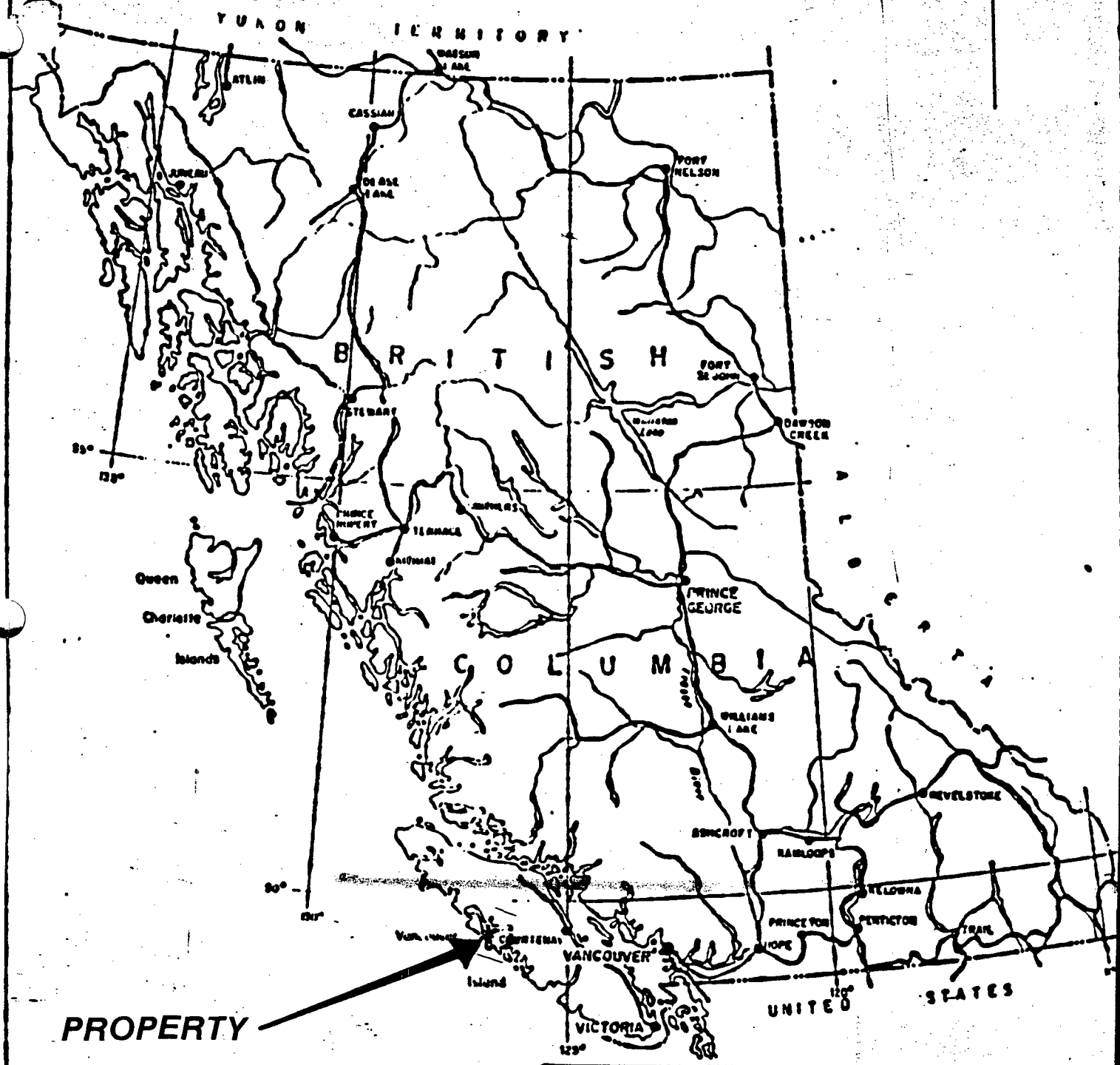
The Hesquiat Lake Brown Jug showings are first mentioned in the 1899 Minister of Mines Annual Report where it states that the vein is mineralized by galena, zinoblende and minor copper. The vein was traced by trenching for 1,500 feet and reported to be twenty feet wide in places. The ore was said to carry about \$9.00/ton gold and 10 tons was reportedly shipped. The 1966 MMAR states that 1,500' of diamond drilling was completed on a magnetite-copper occurrence north of the Brown Jug showings.

In the 1960's Cannex and Asarco showed interest in the property but were primarily interested in the magnetite-copper showings. In 1975 Texada Mines examined the Brown Jug showings but they were also interested in copper. In 1982 Cominco Ltd. evaluated the property by a program of rock chip and detailed soil sampling. Their assays from the south adit returned 1.33 oz/ton gold and 7.9 oz/ton silver over 13.2 feet.

Between May 26 and June 3, 1984 Flow Resources Ltd. completed a program consisting of geological mapping, trenching, sampling, geophysical and geochemical surveying. Assay results returned encouraging values in gold and silver ranging up to 15.5 oz/ton siver and 3.86 oz/ton gold.

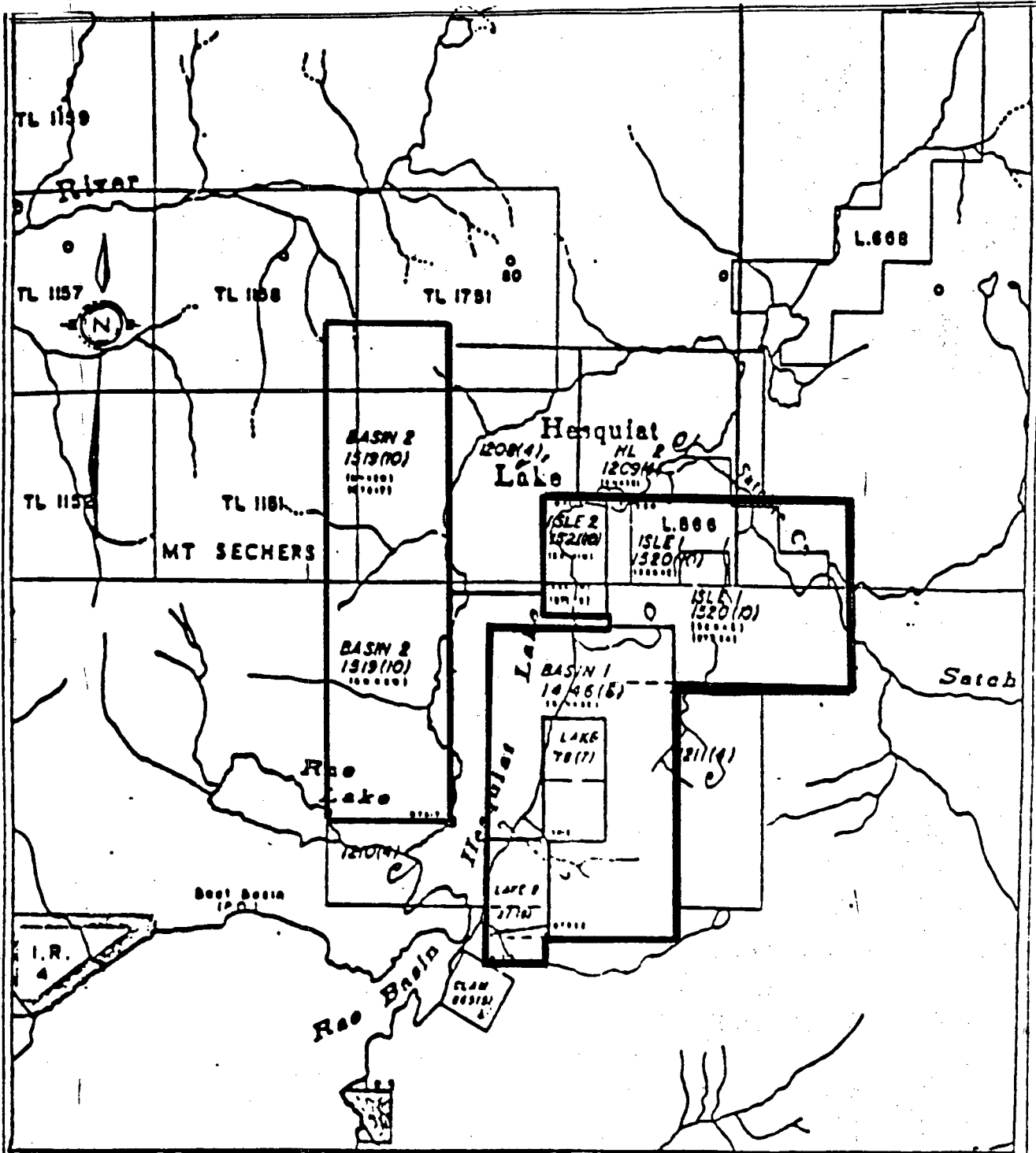
6.0 Regional Geology

The Brown Jug showings are located within map unit CPSS - the Sicker Group (see Figure 3 and Table 1) of Pennsylvanian Age near the contact of older intrusive rocks of the West Coast Crystalline complex. The Sicker group represents a sedimentary package of greenschist to upper greenschist facies metamorphism trending northwest - southeast dipping northeast (Muller O.F. 463).



PROPERTY

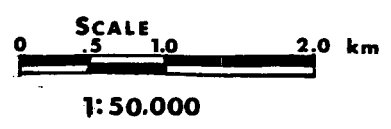
FLOW RESOURCES LTD.		
PROPERTY LOCATION MAP		
Basin, Lake and Isle Claims		
V KURAN	July 84	FIG 1



FLOW RESOURCES LTD.

Basin, Lake and Isle claims
 Claim Location
 (after 92E 8W, 9W)

D.L.K.	1:50,000	JUNE '84	Fig. 2
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7.0 Property Geology

In the immediate area of the Brown Jug showings, the property is underlain by a sequence of metasedimentary rocks comprised of interbedded siltstones, grits and cherts. The units described here are not in stratigraphic sequence as tops are unknown and mainly derived from the drill hole logs of the 1984 program because of poor outcrop exposure on the property. (Appendices 2-9) Unit 1a consists of a poorly banded fairly homogenous heterolithic grit being matrix supported containing 5 - 10 % subangular clasts in a fine grain light grey to green coloured matrix.

Unit 1b is similar except the matrix is usually a darker greenish grey probably due to an increase in fine secondary biotite.

Unit 2 is a massive grit unit, usually close to the hanging wall of the vein. It is a matrix supported sediment with 8 - 10% clasts usually replaced by biotite or epidote. The unit appears to be lighter coloured or bleached when near the vein.

Unit 3 is a package of interbedded finely laminated to thickly bedded metasilstones composed of alternating layers of biotite to quartz rich sediments, probably representing interbedded layers of distal epiclastic material from an andsitic and dacitic volcanic source.

Unit 4 is a fine grained pinkish grey silicious cherty rock. It is usually highly fractured and locally epidote rich.

Unit 5 is the vein zone consisting of mainly the mineral armenite, which has been tentatively identified by Hudson (1983). The mineral is a very low temperature fissure filling vein material having a composition of $Ba Ca_2 Al_2 Si_4 O_3 2H_2O$. The vein contains variable amounts of epidote and sericite presumably from the hydrothermal alteration of wall rock inclusions. The vein carries mainly iron rich sphalerite, partially coated with covellite, galena, chalcopyrite, pyrite, arsenopyrite and rarely pyrrhotite. Sulphide content ranges up to 10% as irregular bands and disseminations with sphalerite predominating. The gold values observed do not appear to be related to the zinc. No visible gold was seen in the core.

Unit 5a is a heavily sericitized and epidote rich alteration of the adjacent wall rocks.

Unit 6 is a mainly massive dark green, poorly laminated biotite - chlorite rich siltstone.

Unit 7 is a medium grained biotite rich rock showing a poorly developed gneissic texture.

8.0 Structure

From surface expression the veins zone and surrounding sediments appeared to be a fairly intact sub-comformable package of rocks. Drilling indicates that a series of westwardly dipping normal faults complicate the sequence. The main structural break appears to be a main fault which truncates the vein and plunges shallowly to the north slightly steeper than topography from the 2 south adit to the creek area of trench 1 north. The intersection of the main vein and the fault appears to rise above ground to the south of Adit 2s as diamond drill hole BJ84-3 showed when the vein had been truncated some 9 feet below the lower adit.

9.0 Drilling

During the drill program a total of 2144 feet of BQ diamond drilling was completed in 13 holes confined to some 280' of strike length and a maximum down dip depth of some 75' on the Brown Jug vein system. Diamond drill holes 84-1 and 84-2 were designed to intersect the vein zone exposed in adit 2 south. Hole 84-1 intersected a small vein from 123 - 125 feet and failed to intersect the projected down dip extension of the adit mineralization. Hole 84-2 was planned to intersect the mineralization in 84-1 down dip but failed. DDH 84 3 to 6 were drilled at shallow angles from the foot wall side from the lower 2 south adit to determine the position of the fault. Holes 84-4 and 5 intersected low grade mineralization some 35 feet to the north along strike and above the intersection of the vein and the main fault. Holes 84-7 to 84-11 were drilled from the hanging wall along strike to the north to intersect the vein in its up thrown portion. Holes 84-7, 8, 10 and 11 intersected sulfide bearing vein material. Holes 84-12 and 13 were drilled from the footwall side because of topographic difficulties, attempting to intersect the vein down dip from Adit 1s. Hole 84 - 12 missed and hole 84 - 13 intersected 84' of structurally thickened vein zone (see Appendices 3-9).

10.0 Sampling

The core was logged (Appendix 9) and split on site. One half of the core was sent to Acme Analytical Labs of Vancouver. The sampling interval was determined by textural and mineralogical breaks in the core. The samples were analysed by Acme for Cu, Pb, Zn, Ag, and Au. A total of 80 core samples were crushed and pulverized to - 100 mesh. A 14.6 gram sample was fire assayed for Ag and Au. A one gram sample was dissolved in hot aqua regia solution and then analyzed by atomic absorption for copper, lead and zinc (Appendix 10).

11.0 Results

The best gold assays were from hole 84-10 which intersected 12.3 feet of vein zone. The highest grade was from 173.0 - 174.8. This returned 1.8' of 3.71 oz/ton silver and .716 oz/ton gold. A weighed average of a portion of the vein returned 7.8' of .234 oz/ton silver representing a true width of 6.7'. The rest of the holes returned sub economic but significant values of gold and silver such as 2.2 feet in hole 84 - 8 from 161.8 - 164.0 of .109 oz/ton Au and 3.37 oz/ton Ag.(APP. 11)

11.1 Interpretations and Conclusions

Out of 280' of strike length an 75' of down dip extensions examined so far it appears as the economic grade ore could be situated in steeply plunging north ore shoots some 60' down from surface in the up throw part of the vein and in the main zone from surface down to the fault. One possible chute exists under the 2.5 south trench where surface returned 3.86 oz/ton Au over 2.3' and 6.7' of .234 oz/ton at a total of 95' down dip. Gold and silver values are erratic and difficult to predict at this point where they will occur.

12.0 Conclusions

The Brown Jug showing consists of a polymetallic fissure filling subconformable vein zone. The vein consisting of armenite, ~~sepe~~ epidote and epidote carries erratic but locally high values of gold and silver. To date a very small portion of the vein system has been explored. A further 200 feet is still to be tested between the 1 south adit and the 3 north adit as well as the area between the 3 north adit along strike for 1000' where similar mineralizaion is reported to occur. The intersection of the main vein and the fault appears to be plunging in a northerly direction possibly resulting in a more intact vein system.

13.0 Recommendations

At this point in the development of the Brown Jug showing it is recommended that further mapping, sampling, trenching and geophysics be performed along strike to the north of the 1 north trench to determine detailed structural and minerological character of the system. Pending the results of this program a similar drilling program is suggested to possibly outline economic grade material within the Brown Jug Structure.

APPENDIX A

STATEMENT OF QUALIFICATIONS

I, David Kuran of 25630 Bosonworth Avenue, Maple Ridge, in the province of British Columbia, HEREBY DO CERTIFY THAT:

1. I am a geologist contracted by Flow Resources Ltd., with offices at 1701 701 West Georgia Street, Vancouver, British Columbia V7Y 1B6.
2. I am a graduate of the University of Manitoba, with a Bachelor of Science Degree in Geology.
3. My primary employment since graduating in 1978 has been in the field of mineral exploration as a field geologist.
4. This report is based on field work which I actively participated in between June 26, and July 27, 1984.

Dated at Vancouver, British Columbia, this *27* day of *AUGUST*, 1984.

David Kuran

David L. Kuran

APPENDIX B

BIBLIOGRAPHY

B.C. Department of Mines Annual Reports

1899	p.793
1903	208
1906	H185
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- Hudson, K.E Petrology, Genesis and Possible Regional Exploration Parameters for a vein prospect on the West Coast of Vancouver Island, B.C. B. Sc. Thesis , UBC. April 28, 1983.
- Kuran, V Assessment Report on the Basin Lake and Isle Claims, Hesquiat Lake, Alberni Mining Division. June 12, 1984.
- Muller, J.E. Geological Association of Canada Map 1537 A. Geology - Nootka Sound, British Columbia 1975
- Mueller, J.E. Geological Association of Canada, Open File 463, 1977
- Sharp, B. Cominco Geochemical Maps

APPENDIX 9

DIAMOND DRILL HOLE LOGS

DDH-BJ-84-1 TO 13

Note:

Drill core stored at drill site.

DRILL HOLE LOG

BROWN SUL
 AZIM 302° ELEV:
 DIP -60° LENGTH: 277'
 CORE SIZE: BR
 STARTED: July 6/84
 COMPLETED: July 10/84
 PURPOSE: DOWN D.P. ADIT 2 SOUTH
 CORE RECOVERY:

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: BROWN SUL
 CLAIM NO: LAKE
 SECTION:
 LOGGED BY: V. KUMAN
 DATE LOGGED: JULY 10 1984
 DRILLING CO: DRILCOR
 ASSAYED BY: ACME

Feet FROM	Feet TO	DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS								
				FROM	TO		Cu%	Pb%	Zn%	Ag	Au				
0	19	CASING - OVER BURDEN ANDESITE AND INTRUSIVE Boulders.													
19	30.5	SILTY METASEDS INTERBEDDED SILTSTONE CHERT AND GRIT UNITS													
		19-30.5 PALE GREY SILTSTONE, FINE GRAIN MINOR CHAROITE VEINETS													
		30.5-34.0 DARK GREY GREEN BIOTITE RICH SILTSTONE													
		34.0-80 GRIT LIGHT TO MED GREEN 10% FRAGMENTS UP TO 1/4" DIAMETER.													
		80-108 PALE GREY CHERTY UNIT													
		108-123.5 STRONG BIOTITE ANISOTROPY													
108	123.5	GRIT, LIGHT GREY GREEN MATRIX WITH OFF WHITE FRAGMENTS, PARTIALLY BLEACHED													
		108-111 3-5% FRAGMENTS													
		111-123.5 10-15% FRAGS UP TO 1/2"													
123.5	125.5	VEIN ZONE. OFF WHITE AMIBOTITE MATRIX WITH MINOR EPIDOTE AND SERPENTINE, DISSEMINATED TO BLEBBY SPHALERITE UP TO 2", 5% SCHAERITE. DISSEMINATED BLEBS OF GALENA, MINOR CHALCOPYRITE AND ARSENOPIRITE.	54304	123.5	125.5	2.0	0.25	0.60	3.28	2.16	0.014				
125.5	127.5	GRIT, MEDIUM GREEN 2-3% FRAGMENTS													
127.5	133.1	SILTSTONE DARK GREEN BIOTITE RICH													

Hole 841

DRILL HOLE LOG

AZIM: _____	ELEV: _____
DIP: _____	LENGTH: _____
STARTED: _____	CORE SIZE: _____
COMPLETED: _____	
PURPOSE: _____	
CORE RECOVERY: _____	

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: _____
CLAIM NO: _____
SECTION: _____
LOGGED BY: _____
DATE LOGGED: _____
DRILLING CO: _____
ASSAYED BY: _____

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS				
FROM	TO			FROM	TO		Cu%	Pb%	Zn%	Ag 02	Au 02
242	245.5	EXTREMELY BROKEN ROCK, CLAY, SERICITE POSSIBLY FAULT.	54309	243	248	5				.01	.001
			54310	248	253	5				.01	.001
245.5	260.5	GRIT, SILICEOUS PALE ^{GREY} BROWN FRACTURED									
260.5	263	GRIT, DARK GREY MATRIX									
263	277										
	EOH	GRIT, PALE GREY SILICEOUS MATRIX, SHATTERED.									

(64-1)

DRILL HOLE LOG

AZIM: 302 ELEV: _____
 DIP: 75 LENGTH: 1785
 CORE SIZE: B R
 STARTED: JULY 10 1954
 COMPLETED: JULY 12 1954
 PURPOSE: DOWN DIP OF 84-1 INTERSECTION
 CORE RECOVERY: _____

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: _____
 CLAIM NO: LAKE
 SECTION: _____
 LOGGED BY: V. KUBAN
 DATE LOGGED: JULY 12/54
 DRILLING CO: DRILL COR
 ASSAYED BY: ACME

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS
FROM	TO			FROM	TO		
0	21	CASING INTENSIVE AND SICKER SOLDER.					
21	26	CHERT, PALE GREY	84-2				
26	27	SILTSTONE, CHLORITE RICH 1/4" CALCITE VEINS					
27	29.5	GRIT, PALE GREY MATRIX					
29.5	30.5	SILTSTONE CHLORITIC					
30.5	57.5	GRIT, PALE GREY HIGHLY SILICEOUS MATRIX					
57.5	63.0	SILTSTONE DARK GREY-GREEN, MINOR EPIDOTE					
63.0	72.0	GRIT, PALE GREY SILICEOUS, DIFFUSE FRAGMENTS					
72.0	76.0	SILTSTONE BANNED BIOTITE-QUARTZ LAYERS					
76.0	76.5	SILTSTONE, CHLORITIC LAYER					
76.5	77.0	GRIT, PALE GREY					
77.0	84.0	SILTSTONE BANNED 1/2" TO 2" BEDS OF BIOTITE TO MEDIUM GRAIN SANDY LAYERS					
84.0	92.0	GRIT, PALE GREY SILICEOUS, DIFFUSE FRAGMENTS					
92.0	96.0	SILTSTONE DARK GREEN TO BLACK BIOTITE-CHLORITE RICH.					

DRILL HOLE LOG

82

AZIM: 126° ELEV: _____
 DIP: -15° LENGTH: 80'
 CORE SIZE: 8Q
 STARTED: JULY 13/84
 COMPLETED: JULY 14/84
 PURPOSE: TEST ADIT 250TH ZONE 10' BELOW
 LOWER ADIT
 CORE RECOVERY: _____

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: BROWN JUL
 CLAIM NO: LAKE
 SECTION: _____
 LOGGED BY: D. KURAN
 DATE LOGGED: JULY 14/84
 DRILLING CO: DRILCORE
 ASSAYED BY: ALME

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS								
FROM	TO			FROM	TO		Cu %	Pb %	Zn %	Ag oz	Au oz				
0	44	SILTSTONE, FAIRLY MASSIVE, PALE GREEN TO GREY, RARE QUARTZ STRINGERS 26-27 CHEST LAYER 43.5-44.0 CHLORITIC ALTERATION													
44.0	51.3	SILICEOUS SHATTER ZONE (FAULT) HEALED BY MILKY QUARTZ AND EPIDOTE, TRACE Py	54311	44.0	47.0	3.0				.01	.001				
			54312	47.0	51.3	4.3				.01	.001				
51.3	74.0	SILTSTONE, MOTTLED GREY-GREEN TO BROWN MINOR 1/2-1" QUARTZ BANDS AND EPIDOTE 64.7-65.0 FAULT ZONE													
74.0	75.0	CHEST LIGHT GREY-GREEN													
75.0	90.0	SILTSTONE, GREY, GRAIN SIZE INCREASING DOWN UNIT 76.2-77.0 SILICEOUS ZONE WITH COARSE BIOTITE FLATS.													

DDN 84-3

DRILL HOLE LOG

PROPERTY: BROWN JVC

AZIM: 064°
 DIP: -15°
 ELEV.:
 LENGTH: 80.0
 CORE SIZE: 6.0
 STARTED: JULY 14/84
 COMPLETED: JULY 15/84
 PURPOSE: 35' NORTH ON VEIN FROM 2 SOUTH
 ADIT
 CORE RECOVERY: 94°

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

CLAIM NO: LAKE
 SECTION:
 LOGGED BY: J. KUMAN
 DATE LOGGED: JULY 15/84
 DRILLING CO: DRILCORE
 ASSAYED BY: ALME

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS							
FROM	TO			FROM	TO		Cu %	Pb %	Zn %	Ag %	Au oz			
0	10	G.R.T. MEDIUM TO PALE GREEN												
10	38.0	SILTSTONE SILTSTONE, DARK GREEN TO BLACK												
38.0	43.0	FOOTWALL TO VEIN. MINOR ARMENITE STRINGERS, UP TO 5% COMBINED SULPHIDES AS BLENDS AND DISSEMINATIONS, BANDING 30" TO CORE	54313	38	41.2	3.2				0.04	0.001			
			54314	41.2	43.0	1.5	.24	.46	1.58	1.44	.002			
43.0	60.5	VEIN ZONE ARMENITE CONTAMINATED WITH UP TO 20% SERICITE AND EPIDOTE. CONTAINS VARIOUS SPOTTY CONCENTRATIONS OF SPHALERITE, GALENA, WHITE ARSENOPYRITE, AND CHALCOPYRITE.												
		43.0 - 44.5 MILKY ARM. SERICITE, ASPY, CPY, P ₂ O	54315	43.0	44.5	1.5	.28	.16	.05	.89	.007			
		44.5 - 46.5 CPY CPY, 1% ASPY, 3% SPA, 1% P ₂ O	54316	44.5	46.5	2.0	.12	.10	.16	.54	.018			
		46.5 - 49.0 ASPY 3%, TP SPHAL. 49 - 49.4 FAULT.	54317	46.5	49.0	2.5	.02	.01	.08	.07	.016			
		49.0 - 53.0 1% ASPY, 5% P ₂ O, TP SPHAL	54318	49.0	53.0	4.0	.01	.01	.10	.03	.004			
		53.0 - 56.0 IMPURE ARM. HIGH SERICITE	54319	53.0	56.0	3.0	.01	.02	.01	.06	.001			
		56.0 - 58.0 WHITE ARMENITE	54320	56.0	58.0	2.0	.01	.01	.01	.03	.001			
		58.0 - 60.5 MILKY ARM. TP PY	54321	58.0	60.5	2.5	.01	.01	.08	.02	.001			
60.5	69.5	BLIT PALE GREEN BLEACHED	54322	60.5	63.0	2.5				.04	.001			

DRILL HOLE LOG

L.D.

AZIM: 064 ELEV: _____
 DIP: -25 LENGTH: 100'
 CORE SIZE: B.C.
 STARTED: JULY 15/84
 COMPLETED: JULY 16/84
 PURPOSE: TEST DOWN DIP VEIN IN 84-4
 CORE RECOVERY: _____

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: BROWN JUG
 CLAIM NO: LAKE
 SECTION: _____
 LOGGED BY: D. KURAN
 DATE LOGGED: JULY 16
 DRILLING CO: DRILCOR
 ASSAYED BY: ACME

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS								
FROM	TO			FROM	TO		Cu %	Pb %	Zn %	Ag ct	Au oz.				
0	24.0	SILTSTONE, LIGHT-MEDIUM BROWN (DIRTY) UNIT CONTAINS MINOR CALCITE VEINS AND CHLORITIZED CRACKS													
24.0	26.5	CHERT, LIGHT GREY, SLIGHTLY CRACKED.													
26.5	39.6	GRIT, LIGHT-MEDIUM GREY, MOSTLY WHITE REFL. FRAGS. UNIT CONTAINS A PALE BROWN PYRITIZED PART	54330	32.0	33.0	1.0'	.01	.01	.01	.01	.001				
39.6	63.2	SILTSTONE, DARK GREENISH BLACK, BIOTITE RICH. SANDY BAND 52.0-53.5 30" TO CORE													
63.2	69.0	SILTSTONE, LIGHT GREY MINOR CALCITE LAYERS FAIRLY SOFT, MODERATE SERPENTINIZATION, SLIGHTLY CALCAREOUS TOWARDS VEIN.													
69.0	86.0	VEIN ZONE. MODERATELY SERPENTINIZED ARMENITE, MINOR SULPHIDES, MOSTLY CLOTS 1/4-1" OF SPHALERITE, MINOR DISSEM. GALENA, PYRITE, CHALCOPYRITE.	54323	69.0	70.2	1.2	.01	.01	.01	.05	.001				
		70.2-73.2 3-5% SPHAL.	54324	70.2	73.2	3.0	.09	.12	3.18	.56	.001				
		73.2-76.0 CALCAREOUS SERPENTINIZED ARMENITE	54325	73.2	76.0	2.8	.01	.05	.02	.22	.001				
		76.0-78.0 CLEAN ARMENITE, SLIGHTLY CALC. LARGE 1/4x1" LATH ARMENITE(?) XTALS.	54326	76.0	78.0	2.0	.01	.02	.10	.05	.001				
		78.0-82.0 DIRTY, LIGHT GREY SERPENTINIZED	54327	78.0	82.0	4.0	.06	.01	.01	.04	.001				
		VEIN MODERATELY CALCAREOUS	54328	82.0	86.0	4.0	.61	.01	.01	.02	.001				

DIP 84-5

DRILL HOLE LOG

BT-

AZIM:	ELEV:
DIP:	LENGTH:
CORE SIZE:	
STARTED:	
COMPLETED:	
PURPOSE:	
CORE RECOVERY:	

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: _____

CLAIM NO: _____

SECTION: _____

LOGGED BY: _____

DATE LOGGED: _____

DRILLING CO: _____

ASSAYED BY: _____

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS				
FROM	TO			FROM	TO		Cu %	Pb %	Zn %	Ag oz	Au oz
86.0	90.0	SIMPLIFIED EPIDOTE MCH HW. ROCK TR. P. 4 90.0 SHEAR.	54329	86.0	90.0	4.0	.01	.01	.01	.03	.001
90.0	100.0	SILTSTONE, MED GREY, FINE GRAIN, MINOR EOM. EPIDOTE.									

DDH 84-5

DRILL HOLE LOG

AZIM: 322° ELEV: _____
 DIP: -56 LENGTH: 253.5
 CORE SIZE: BQ

STARTED: JULY 17/84
 COMPLETED: JULY 19/84
 PURPOSE: TEST DOWN DIP FROM TRENCH 2.5 SOUTH

CORE RECOVERY: _____

DIP TEST

Meters	READING	CORRECT	Meters	READING	CORRECT

PROPERTY: BROWN JUB

CLAIM NO: LAKE
 SECTION: TRENCH 2.5 SOUTH
 LOGGED BY: V. KURAN
 DATE LOGGED: JULY 19/84
 DRILLING CO: DRILCOR
 ASSAYED BY: ACUTE

METERS		DESCRIPTION	SAMPLE NO.	Meters		LENGTH	ASSAYS							
FROM	TO			FROM	TO		Cu %	Pb %	Zn %	Ag oz	Au oz			
0	25	CASING												
25	33	GRIT, PALE GREEN, SILICIFIED, MINOR QUARTZ MINOR CHLORITE VEINS.												
33	117	INTERBEDDED SECTIONS OF DARK GREEN SILTSTONE AND COARSE BUFF GRIT. 68-68.5 GRIT 71-72 " 75.5-84.5 " 90.5-91.0 " 95-101 "												
117	122	SILTSTONE DARK GREEN BIOTITE RICH												
122	135	GRIT, DARK GREY TO MEDIUM GREEN GRIT LIGHT FRAGMENTS UP TO 1/2"												
135	148	GRIT, LIGHT GREEN BLEACHED MATRIX, BLACK SPOTS, (SECONDARY BIOTITE), MINOR Py AND Mn CLOSE TO VEIN	54333	146	148	2.0	.01	.02	.05	.01	.001			
148	163	VEIN ZONE MIXED ARSENITE, SERPITE WITH EPIDOTE, BLS AND DISSEMINATIONS OF SONAL, CALENA, PYRITE AND TRACE CHALCOPRITE												
		148-150 ARM + SERPITIC WALL ROCK SULPHIDES OXIDIZED, JULY 1984 MINOR MALACHITE	54334	148	150	2.0	.01	.17	.69	.08	.001			

DDH 84-7

DRILL HOLE LOG

B.J.C.

AZIM: 322° ELEV: _____
 DIP: -67° LENGTH: 191'
 CORE SIZE: BR

STARTED: JULY 19/84
 COMPLETED: JULY 21/84
 PURPOSE: TEST DOWN DIP OF HOLE 84-7

CORE RECOVERY: _____

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: _____

CLAIM NO: LAKE
 SECTION: TRENCH 2.5 SOUTH
 LOGGED BY: V. LUDAN
 DATE LOGGED: JULY 21/84
 DRILLING CO: DRILCOR
 ASSAYED BY: ACME

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS				
FROM	TO			FROM	TO		Cu%	Pb%	Zn%	Ag%	Au OZ.
0	15	CASING									
15	22	MINED INTERBEDDED DARK GREEN SILTSTONE AND GRIT BEDDING 40° TO CORE									
22	33	GRIT PALE GREEN SILICEOUS MATRIX 30-31 CHERT.									
33	72	INTERBEDDED DARK GREEN SILTSTONE AND PALE GRIT BEDDING 35' 60°, 47' 90°, 59' 70°									
72	90.5	SILICIFIED ZONE MINOR CHERT VEINS.									
90.5	90	INTERBEDDED DARK GREEN SILTSTONE AND GRIT									
90	97.5	CHERT, PALE GREEN									
97.5	122	SILTSTONE, DARK GREEN, BEDDING 101' 45°, 120' 45°									
122	127	GRIT PALE TO MEDIUM GREEN									
127	147	GRIT, PALE GREEN (BLEACHED)									
147	159	SILTSTONE, DARK GREEN BEDDING 149' 35°, 157' 75°									
159	161.8	GRIT PALE GREEN MATRIX.	54347	160	161.8	1.8	.01	.01	.03	.01 .001	

DDW-84-8

DRILL HOLE LOG

BJ-87

AZIM: 322 ELEV: _____
 DIP: -76° LENGTH: 218
 CORE SIZE: BA

STARTED: JULY 21/84
 COMPLETED: JULY 22/84
 PURPOSE: TEST DOWN DIP OF HOLE 84-8

CORE RECOVERY: _____

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: BROWN JUD

CLAIM NO: LAKE

SECTION: TRENCH 2.5 SOUTH

LOGGED BY: J. L. HAN

DATE LOGGED: JULY 24/84

DRILLING CO: DRILL COR

ASSAYED BY: ALMIE

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS
FROM	TO			FROM	TO		
0	10	CASING					
10	21	INTERBEDDED BLACK TO GREEN SILTSTONES WITH A 1/8 GRIT HAVING A DARK BROWN TO BLACK MATRIX.					
21	28	LAMINATED SILTSTONE, MAINLY GREY TO BLACK WITH LIGHT BROWN SILTY TO SANDY SILICEOUS LAMS. BEDDING 26' 60° TO CORE.					
28	83.5	INTERBEDDED DARK GREY SILTSTONE AND DARK MATRIX GRIT. CONTAINS MINOR CHERT HORIZONS. 37.0-37.5 CHERT 40-51 GRIT BEDDING 73' 80° 74.5-75 CHERT					
83.5	91	CHERT PALE GREEN FRACTURED					
91	112.5	INTERBEDDED DARK SILTSTONE AND GRIT BEDDING 97' 40° TO CORE					
112.5	123	GRIT. MEDIUM GREEN MATRIX MASSIVE					
123	142.0	GRIT BLEACH (2) PALE GREEN MASSIVE					
142	218	INTERBEDDED DARK SILTSTONE AND GRIT BEDDING 145' 50°, 153' 55°, 168' 50°					

DDH 84-9

DRILL HOLE LOG

13 1/2

AZIM: 338
 DIP: -65°
 ELEV.:
 LENGTH: 197
 CORE SIZE: BC
 STARTED: JULY 22/84
 COMPLETED: JULY 23/84
 PURPOSE: TEST UPTHROWN VEIN 35' NORTH
 FROM 84-7-9.
 CORE RECOVERY:

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: BROWN TUG
 CLAIM NO. LAKE
 SECTION:
 LOGGED BY: J. KUJAN
 DATE LOGGED: JULY 23/84
 DRILLING CO. PRILECOB
 ASSAYED BY: ACME

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS							
FROM	TO			FROM	TO		Cu%	Pb%	Zn%	Ag oz	Au oz			
0	15	CASING												
15	127	INTERBEDDED DARK SLTSTONE AND UNIT MINOR UNITS OF CHEST 22' 55" TO CORE 35' 55" " 58' 75" " 66' 50" " 76-79 CHEST MINOR CHESTIE VEINING 85.5-860 CHEST 92.0-93.0 GREY QUARTZ FRACTURED 94' 70" 103-103.5 WHITE QUARTZ												
127	132	GRIT MEDIUM GREEN TO GREY												
132	156.5	GRIT - LIGHT GREEN MASSIVE, BLACK CLDS												
156.5	165.2	SLTSTONE BLACK-DARK GREEN, MASSIVE	54349	163	165.2	.82	.02	.01	.02	.001	.001			
165.2	174.8	VEIN ZONE												
		165.2-166.0 1% SULPH. ARM Y SEBELTIL WALL ROCK	54350	165.2	166.0	0.8	.07	.66	.55	1.26	.004			
		166.0-167 3% SULPH. MINOR OXIDATION	54351	166.0	167.0	1.0	.10	.75	1.01	1.27	.001			
		167-169 10% SULPH. SPHA. GR. CP. P4	54352	167.0	169.0	2.0	.40	.50	7.15	2.21	.230			
		169-170.5 UP TO 1% SULPH.	54348	169	170.5	1.5	.05	.66	.51	.67	.005			
		170.5-172.0 2-3% SULPH. MOSTLY ZN	48901	170.5	172.0	1.5	.16	1.09	7.01	1.75	.042			
		172.0-173.0 GRADUAL CORE, SHEAR MAL. BY	48902	172	173	1.0	.33	.87	1.51	1.75	.001			
		173.0-174.8 UP TO 10% SULPH. MOSTLY ZN	48903	173	174.8	1.8	.12	.71	6.29	3.71	.716			

DN 84-10

DRILL HOLE LOG

105-84

AZIM: 302
 ELEV: _____
 DIP: -65
 LENGTH: 177'
 CORE SIZE: B.G.
 STARTED: JULY 23 /84
 COMPLETED: JULY 24/84
 PURPOSE: TEST VEIN 35' SOUTH OF 84-79.
 CORE RECOVERY: _____

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: _____
 CLAIM NO: WAKE
 SECTION: _____
 LOGGED BY: W. K. W. W.
 DATE LOGGED: JULY 24/84
 DRILLING CO: DILLON
 ASSAYED BY: ACME

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS											
FROM	TO			FROM	TO		Cu %	Pb %	Zn %	Ag oz	Au oz							
0	20	CASING																
20	62	INTERBEDDED DARK SILTSTONES AND GAIT BEDS 32-38 LAMINATED SILTSTONE 34' 85° 57' 70°																
62	67	GROUND CORE																
67	84	CRIT PALE CRIT, EPIDOTE AND CHLORITE THROUGHOUT.																
84	97	INTERBEDDED DARK SILTSTONE AND CRIT																
97	111	CRIT BLACK MATRIX FAINT CRIT FIBRES																
111	123	MEDIUM CRIT MEDIUM GREEN MATRIX																
123	126	CRIT PALE GREEN MATRIX																
126	144.6	INTERBEDDED SILTSTONE BLACK TO DARK CRIT SILTSTONE WITH LIGHT CRIT SILTSTONE LAYERS.	48909	142.0	144.6	2.6	.01	.01	.01	.01	.001							
144.6	153.0	VEIN ZONE IMPURE ARMENITE MODERATE TO STRONG SERPENTIZATION UP TO 3% SULPHIDES HW HAS DIFFUSE CONTACT.																
		144.6-147. 3% ULM. DIRTY ARMENITE	48905	144.6	147	2.4	.35	.50	.93	1.25	.140							
		147-149.3 PALE GREEN 2% SULPHIDES.	48906	147	149.3	2.3	.03	.15	.11	.27	.006							
		149.3-153 MINOR CR SPA Py	48907	149.3	153.0	3.7	.10	.79	.21	1.66	.044							
153	177	INTERBEDDED DARK SILTSTONE AND GAIT	48908	153	156	3.0	.01	.01	.03	.01	.001							
	FOH	172-173 POSSIBLE FAULT																

DIP 84-11

DRILL HOLE LOG

85

AZIM: 091
 DIP: -34°
 ELEV:
 LENGTH: 142
 CORE SIZE: BQ
 STARTED: JULY 23/84
 COMPLETED: JULY 25/84
 PURPOSE: TEST SOUTH ADIT
 CORE RECOVERY:

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: ALCON JUB
 CLAIM NO: LAKE
 SECTION: 1 SOUTH ADIT
 LOGGED BY: J. HURAN
 DATE LOGGED: JULY 26/84
 DRILLING CO: CALICO
 ASSAYED BY: ACME

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS
FROM	TO			FROM	TO		
0	2	CASING					
2	22.5	SILTSTONE PALE TO MEDIUM GREEN SILTSTONES					
22.5	53	GRIT, POSSIBLY METASIALIZED, FOLDED TEXTURE. CONTAINS COARSE BEDS OF METASIALIZED BIOTITE CONTAINS THIN UNITS OF MEDIUM GREEN GRIT AND MINOR CHERT BANDS. 29.5-30.5 GRIT 33.5-35.5 GRIT 41.0-44 CHERT MILKY WHITE					
53.0	91	REASSEMBLED SILTSTONES, FAIRLY MASSIVE MEDIUM GREEN (CONTAINS MINOR BEDS OF BLACK MATRIX GRIT AND CHERT LAYERS. 67-74 GRIT 87-89 SILTSTONE MASSIVE BLACK					
91	100.5	CHERT MILKY WHITE					
100.5	133	GRIT, PALE TO MEDIUM GREEN, 1/4" PALE GREEN FRAGMENTS					
133	137	SILICIFIED ZONE FAULT ZONE 133.5-134.0 30° TO CLIVE					
137	142	GRIT PALE GREEN MATRIX					
	EOH	HOLE ABANDONED NEIN FAULT OFFSET.					

DDH 84-12

DRILL HOLE LOG

D.T.S.

AZIM: 091 ELEV: _____
 DIP: -25° LENGTH: 169
 CORE SIZE: 1/2
 STARTED: JULY 25 184
 COMPLETED: JULY 26 184
 PURPOSE: TEST 15 ADIT FROM F.V.
 CORE RECOVERY: _____

DIP TEST

Feet	READING	CORRECT	Feet	READING	CORRECT

PROPERTY: Adrian T.C.
 CLAIM NO: LAKIE
 SECTION: 1 SOUTH ADIT
 LOGGED BY: D. KURAN
 DATE LOGGED: JULY 26
 DRILLING CO: DRILCOR
 ASSAYED BY: ALME

Feet		DESCRIPTION	SAMPLE NO.	Feet		LENGTH	ASSAYS				
FROM	TO			FROM	TO		Cu%	Pb%	Zn%	Ag oz	Au oz
0	2	CASING									
2	35	CHERT LIGHT GREY MASSIVE FINEGRAINED									
35	25.8	GRIT, POORLY CRYSTALLINE RECRYSTALLIZED SECONDARY ALDITE CHERT CONTAINING SMALL SECTIONS OF LIGHT GREY CHERT									
		9.5-10.0 CHERT									
		15.5-16.5 "									
		18.0-20.0 "									
		16.8 FOLIATION 30° TO CORE									
25.4	34.0	SILTSTONE, DARK GREEN, PARTLY BROKEN									
34.0	65.0	GRIT LIGHT GREY, FAIRLY MASSIVE AND BOUND MATRIX SUPPORTED. VERY BADLY BROKEN POOR CORE RECOVERY, SERPENTINE DEVELOPED FROM 63-65.									
65.0	149.0	VEIN ZONE, STRUCTURALLY THICKENED INTERSECTION OF TYPICAL VEIN ZONE LOCALLY PURE ARMENTITE. HOLE INTERSECTS WALL ROCK AND VEIN AS THE HOLE PASSES THROUGH DIFFERENT SECTIONS OF THE FAULT BOUNDED VEIN BLOCKS ON AVERAGE, VEIN SPARSELY MINERALIZED.									
		65-68.0 1% Pb 2% Cu 45° TO CORE	48910	65	68	3.0	.46	.64	.59	1.71	.053
		68.0-71.0 VULCAN ARM. SPHAL. Pb AM AT 35°	48911	68	71	3.0	.06	.20	1.22	.30	.001
		71.0-74.0 VULCAN ARM. TO Pb Zn MINOR SERPENTINE	48912	71	74	3.0	.01	.25	.41	.20	.001

DDH 84-13

APPENDIX 10

ASSAY RESULTS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED JULY 19 1984

DATE REPORTS MAILED *July 23/84*

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.

ASSAYER *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

FLOW RES FILE# 84-1665

PAGE# 1

SAMPLE	CU %	PB %	ZN %	AG OZ/T	AU OZ/T
543040	.25	.60	3.28	2.16	.014

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED JULY 20 1984

852 E. HASTINGS, VANCOUVER B.C.

PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE REPORTS MAILED

July 23/84

ASSAY CERTIFICATE

SAMPLE TYPE : CORE - CRUSHED AND PULVERIZED TO -100 MESH.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

FLOW RES FILE# 84-1673

PAGE# 1

SAMPLE	CU %	PB %	ZN %	AG OZ/T	AU OZ/T
54305C	-	-	-	.01	.001
54306C	-	-	-	.01	.001
54307C	-	-	-	.01	.001
54308C	-	-	-	.01	.001
54309C	-	-	-	.01	.001
54310C	-	-	-	.01	.001
54311C	-	-	-	.01	.001
54312C	-	-	-	.01	.001
54313C	-	-	-	.04	.001
54314C	.24	.46	1.58	1.44	.002
54315C	.28	.16	.05	.89	.007
54316C	.12	.10	.16	.54	.018
54317C	.02	.01	.01	.07	.016
54318C	.01	.01	.10	.03	.004
54319C	.01	.02	.01	.06	.001
54320C	.01	.01	.01	.03	.001
54321C	.01	.01	.08	.02	.001
54322C	-	-	-	.04	.001
54323C	.01	.01	.01	.05	.001
54324C	.09	.12	3.18	.56	.001
54325C	.01	.05	.02	.22	.001
54326C	.01	.02	.10	.05	.001
54327C	.01	.01	.01	.04	.001
54328C	.01	.01	.01	.02	.001
54329C	.01	.01	.01	.03	.001
54330C	.01	.01	.01	.01	.001

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 30 1984

DATE REPORT MAILED: *Aug 3/84*

ASSAY CERTIFICATE

1.00 GRAM SAMPLE IS DIGESTED WITH 50ML OF 3-1-3 OF HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR.
 AND IS DILUTED TO 100ML WITH WATER. DETECTION FOR BASE METAL IS .01%.

- SAMPLE TYPE: ROCK CHIPS AU# 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER

FLOW RES FILE # 84-1835

PAGE

SAMPLE#	CU %	PB %	ZN %	AG OZ/T	AU OZ/T
54331	.10	.75	1.01	1.27	.001
54332	.40	.50	7.15	2.21	.230
54333	.01	.02	.05	.01	.001
54334	.01	.17	.69	.08	.001
54335	.01	.29	.39	.34	.003
54336	.02	.07	.07	.12	.001
54337	.01	.11	.03	.20	.001
54338	.02	.35	.02	.69	.008
54339	.19	.20	.49	.67	.009
54340	.01	.01	.01	.01	.001
54341	.48	1.34	.30	3.37	.109
54342	.01	.20	.59	.18	.001
54343	.14	.22	1.60	.33	.010
54344	.15	.77	8.29	2.65	.056
54345	.24	.25	1.74	.79	.003
54346	.08	.11	.27	.39	.003
54347	.01	.01	.03	.01	.001
54348	.05	.66	.51	.67	.005
54349	.02	.01	.02	.01	.001
54350	.07	.66	.55	1.26	.004
48901	.16	1.09	4.01	1.75	.042
48902	.33	.87	1.51	1.75	.001
48903	.12	.71	6.29	3.71	.716
48904	.01	.01	.06	.03	.006
48905	.35	.50	.93	1.25	.140
48906	.03	.15	.11	.27	.006
48907	.10	.79	.21	1.66	.044
48908	.01	.01	.03	.01	.001
48909	.01	.01	.01	.01	.001
48910	.46	.64	.59	1.71	.053
48911	.06	.20	1.22	.30	.001
48912	.01	.25	.42	.20	.001
48913	.02	.17	.58	.16	.001
48914	.01	.05	.05	.14	.001
48915	.01	.02	.04	.03	.001
48916	.01	.03	.02	.04	.001
48917	.01	.04	.06	.02	.001
STD C-8	1.07	1.08	1.96	5.50	-

FLOW RESOURCES FILE # 84-1835

PAGE

SAMPLE#	CU %	PB %	ZN %	AG OZ/T	AU OZ/T
48918	.01	.02	.05	.03	.001
48919	.01	.10	.07	.04	.001
48920	.01	.01	.01	.06	.001
48921	.01	.06	.64	.32	.027
48922	.01	.02	.02	.02	.001
48923	.03	.27	.21	.17	.001
48924	.01	.07	.05	.04	.002
48925	.03	.36	.79	.41	.002
48926	.01	.15	.04	.15	.006
48927	.01	.02	.03	.05	.001
48928	.01	.47	.05	.36	.001
48929	.01	.05	.08	.03	.001
48930	.04	.42	.88	.38	.015
48931	.02	.39	.46	.51	.001
48932	.01	.02	.02	.07	.001
48933	.01	.01	.01	.03	.001
STD C-8	1.07	1.08	1.96	5.50	-

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,694

(LOOKING NORTH)

ADIT 1 SOUTH

LEGEND

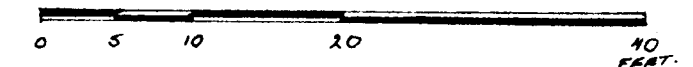
- 1a GRIT, LIGHT COLORED SILICEOUS MATRIX
- 1b GRIT, DARK COLORED MATRIX
- 3 SILTSTONES, INTERBEDDED BIOTITE-QUARTZ BANDS
MINOR GRIT
- 4 CHERT SEDIMENTS
- 5 VEIN ZONE, ARSENITE, SERICITE, EPIDOTE, SULPHIDES
5L HW ZONE, STRONG SERICITIZATION
- 6 SILTSTONE, MAINLY BIOTITE-CHLORITE, DARK GREEN
- 7 BIOTITE GNEISS (?) MEDIUM GRAINED DARK BIOTITE
QUARTZ GNEISS, POORLY DEVELOPED
- FAULT
- SAMPLE INTERVAL

SAMPLE NO	WIDTH (FEET)	% Cu	% Pb	% Zn	oz. Ag	oz. Au
48910	3.0	0.46	0.64	0.59	1.71	0.053
48911	3.0	0.06	0.20	1.22	0.30	0.001
48912	3.0	0.01	0.25	0.42	0.20	0.001
48913	3.0	0.02	0.17	0.58	0.16	0.001
48914	3.0	0.01	0.05	0.05	0.14	0.001
48915	3.0	0.01	0.02	0.04	0.03	0.001
48916	3.0	0.01	0.03	0.02	0.04	0.001
48917	3.0	0.01	0.04	0.06	0.02	0.001
48918	3.0	0.01	0.02	0.05	0.03	0.001
48919	2.0	0.01	0.10	0.07	0.04	0.001
48920	1.2	0.01	0.01	0.01	0.06	0.001
48921	2.0	0.01	0.06	0.64	0.32	0.027
48922	3.8	0.01	0.02	0.02	0.02	0.001
48923	4.7	0.03	0.27	0.21	0.17	0.001
48924	4.8	0.01	0.07	0.05	0.04	0.002
48925	5.0	0.03	0.36	0.79	0.41	0.002
48926	5.0	0.01	0.15	0.04	0.15	0.006
48927	5.0	0.01	0.02	0.03	0.05	0.001
48928	5.0	0.01	0.47	0.05	0.36	0.001
48929	5.0	0.01	0.05	0.08	0.03	0.001
48930	5.0	0.04	0.42	0.88	0.38	0.015
48931	5.0	0.02	0.39	0.46	0.51	0.001
48932	5.0	0.01	0.02	0.02	0.17	0.001
48933	3.0	0.01	0.01	0.01	0.03	0.001

BJ-84-13
-25°/091°

BJ-84-12
-34°/091°

SCALE



FLOW RESOURCES

BROWN JUG

**CROSS SECTION
(LOOKING NORTH)**

DDH-BJ-84-12,13

PROJECTED VEIN 30 SOUTH
OF ADIT 2.5

GEOLOGICAL BRANCH
ASSESSMENT REPORT

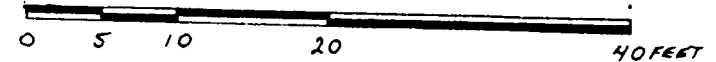
14,694

BJ-84-6 -15°/166°

LEGEND

- 1a GRIT, LIGHT COLORED SILICEOUS MATRIX
- 3 SILTSTONE, INTERBEDDED BIOTITE-QUARTZ LAYERS
- S SHEAR.

SCALE



FLOW RESOURCES

BROWN JUG

CROSS SECTION

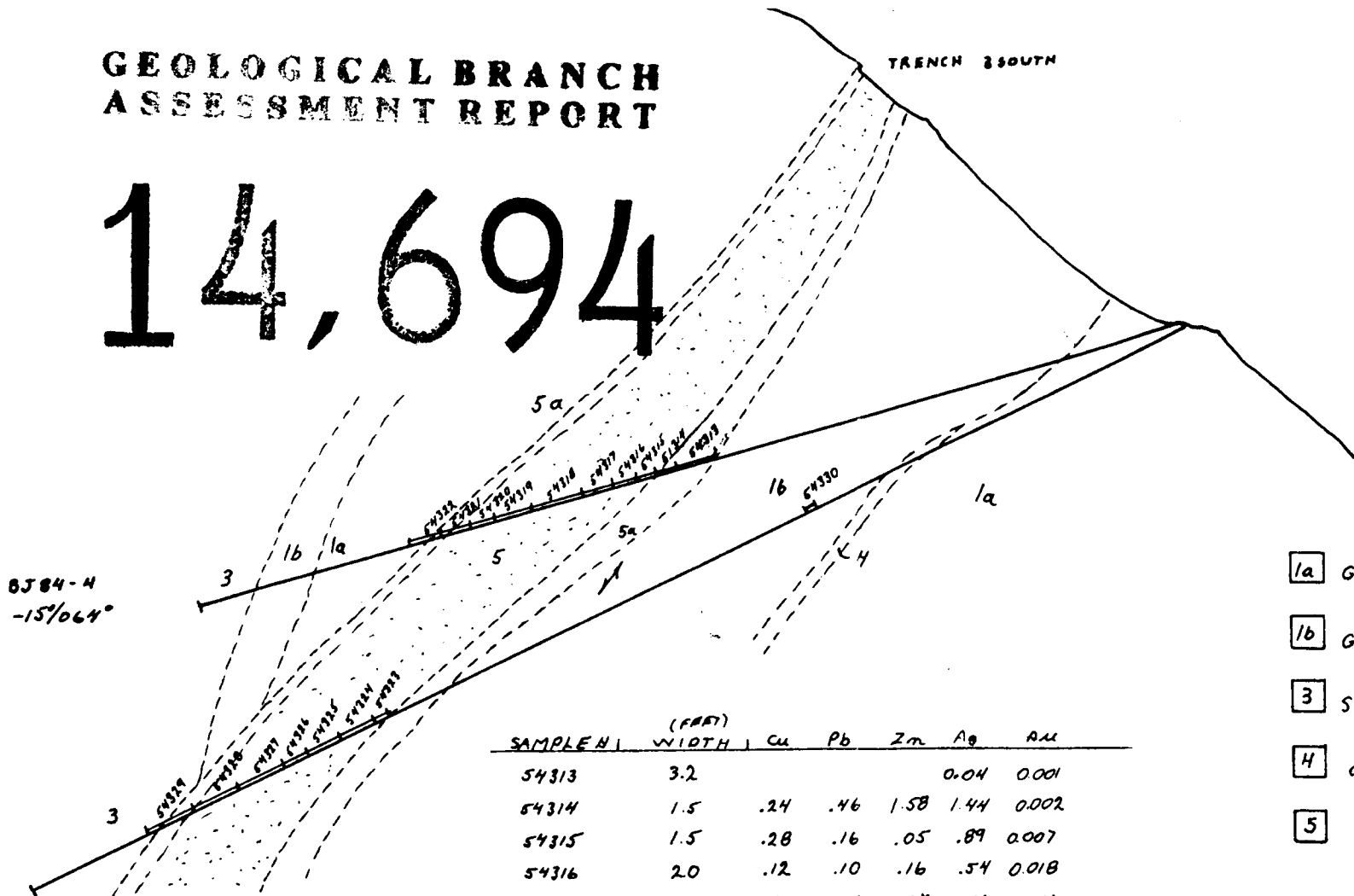
(LOOKING SOUTH)

DDH-BJ-84-6

D.L.K. NTS ⁹²⁸ JULY 94 APP 4

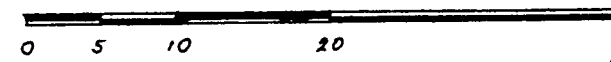
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,694



LEGEND

- 1a GRIT, LIGHT COLORED SILICEOUS M.
- 1b GRIT DARK COLORED MATRIX
- 3 SILTSTONE, INTERBEDDED BIOTITE TO QUARTZ RICH LAYERS.
- 4 CHERTY SEDIMENTS
- 5 VEIN ZONE, WHITE ARMENITE LOCALLY SERICITIZED, EPIDOT Pb, Zn, Py, Aspy, PyO, Cpy
- 5a WALL ZONE, INTENSE SERICIT SCALE



SAMPLE N.	(FEET) WIDTH	Cu	Pb	Zn	Ag	Au
54313	3.2				0.04	0.001
54314	1.5	.24	.46	1.58	1.44	0.002
54315	1.5	.28	.16	.05	.89	0.007
54316	2.0	.12	.10	.16	.54	0.018
54317	2.5	.02	.01	.07	.07	0.016
54318	4.0	.01	.01	.10	.03	0.004
54319	3.0	.01	.02	.01	.06	0.001
54320	2.0	.01	.01	.01	.03	.001
54321	2.5	.01	.01	.08	.02	.001
54322	2.5				.04	.001
54323	1.2	.01	.01	.01	.05	.001
54324	3.0	.09	.12	3.18	.56	.001
54325	2.8	.01	.05	.02	.22	.001
54326	2.0	.01	.02	.10	.05	.001
54327	4.0	.01	.01	.01	.04	.001
54328	4.0	.01	.01	.01	.02	.001
54329	4.0	.01	.01	.01	.03	.001
54330	1.0	.01	.01	.01	.01	.001

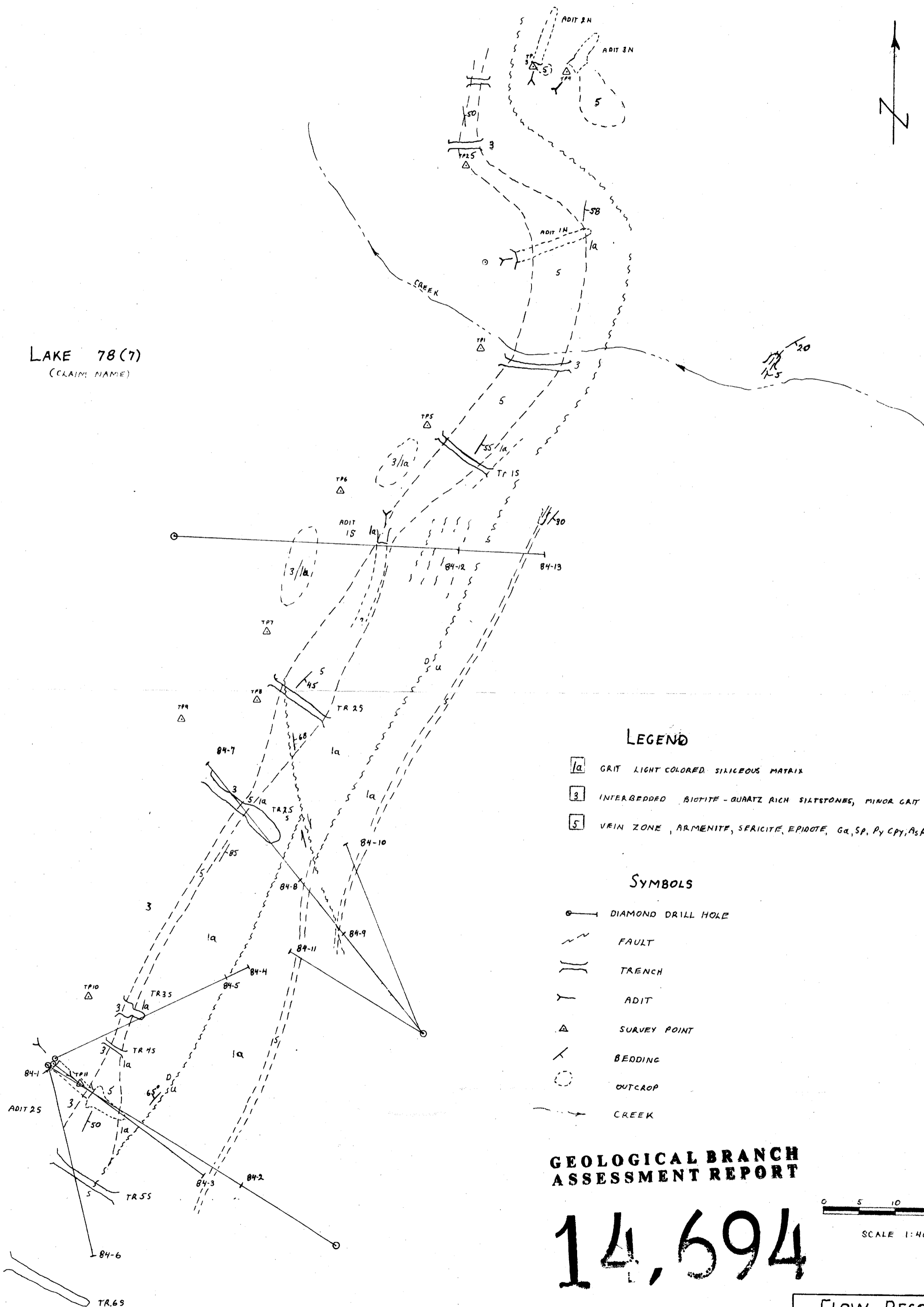
FLOW RESOURCES

BROWN JUG

CROSS SECTION
(LOOKING SOUTH)

DDH-84-4,5

LAKE 78(7)
(CLAIM NAME)



LEGEND

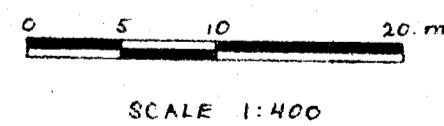
- 1a GRIT LIGHT COLORED SILICEOUS MATRIX
- 3 INTERBEDDED BIOTITE - QUARTZ RICH SILTSTONES, MINOR GAT
- 5 VEIN ZONE, ARMENTITE, SERICITE, EPIDOTE, Ga, SP, Py, Cpy, As, Py

SYMBOLS

- DIAMOND DRILL HOLE
- FAULT
- TRENCH
- ADIT
- SURVEY POINT
- BEDDING
- OUTCROP
- CREEK

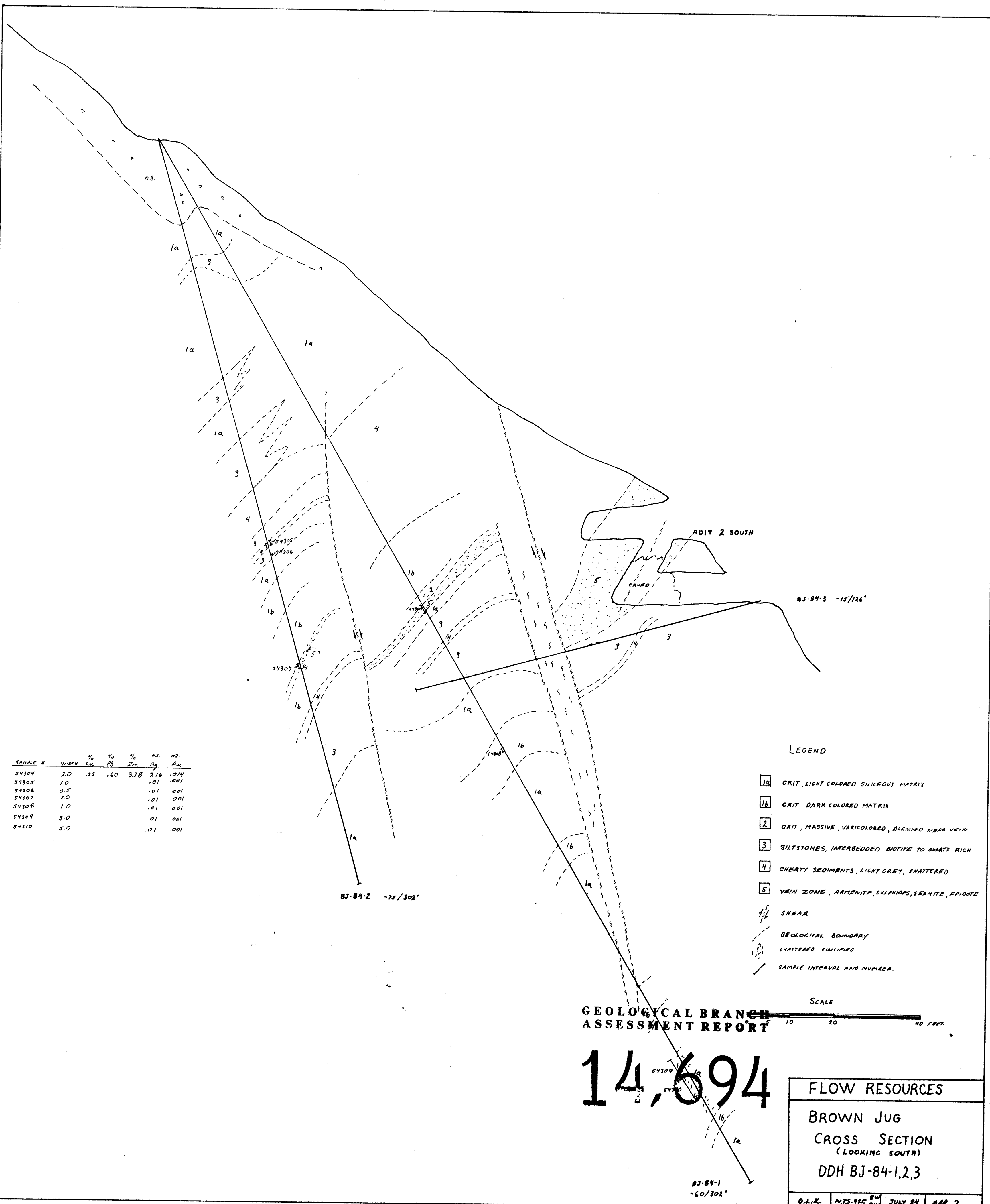
GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,694



APPENDIX I

FLOW RESOURCES
BROWN JUG GEOLOGY AND DRILL HOLE LOCATIONS
D.L.K. NTS 926 JULY 84 APP. I



SAMPLE #	WIDTH	% Cu	% Pb	% Zn	Ag	Au
54304	2.0	.25	.60	3.28	2.16	.044
54305	1.0				.01	.001
54306	0.5				.01	.001
54307	1.0				.01	.001
54308	1.0				.01	.001
54309	5.0				.01	.001
54310	5.0				.01	.001

LEGEND

- 1a GRIT, LIGHT COLORED SILICEOUS MATRIX
- 1b GRIT, DARK COLORED MATRIX
- 2 GRIT, MASSIVE, VARICOLORED, BLEACHED NEAR VEIN
- 3 SILTSTONES, INTERBEDDED BIOTITE TO QUARTZ RICH
- 4 CHERTY SEDIMENTS, LIGHT GREY, SHATTERED
- 5 VEIN ZONE, ARSENITE, SULPHIDES, SERICITE, EPIDOTE
- Shear
- Geological Boundary
- Shattered Silts
- Sample Interval and Number

SCALE



GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,694

FLOW RESOURCES

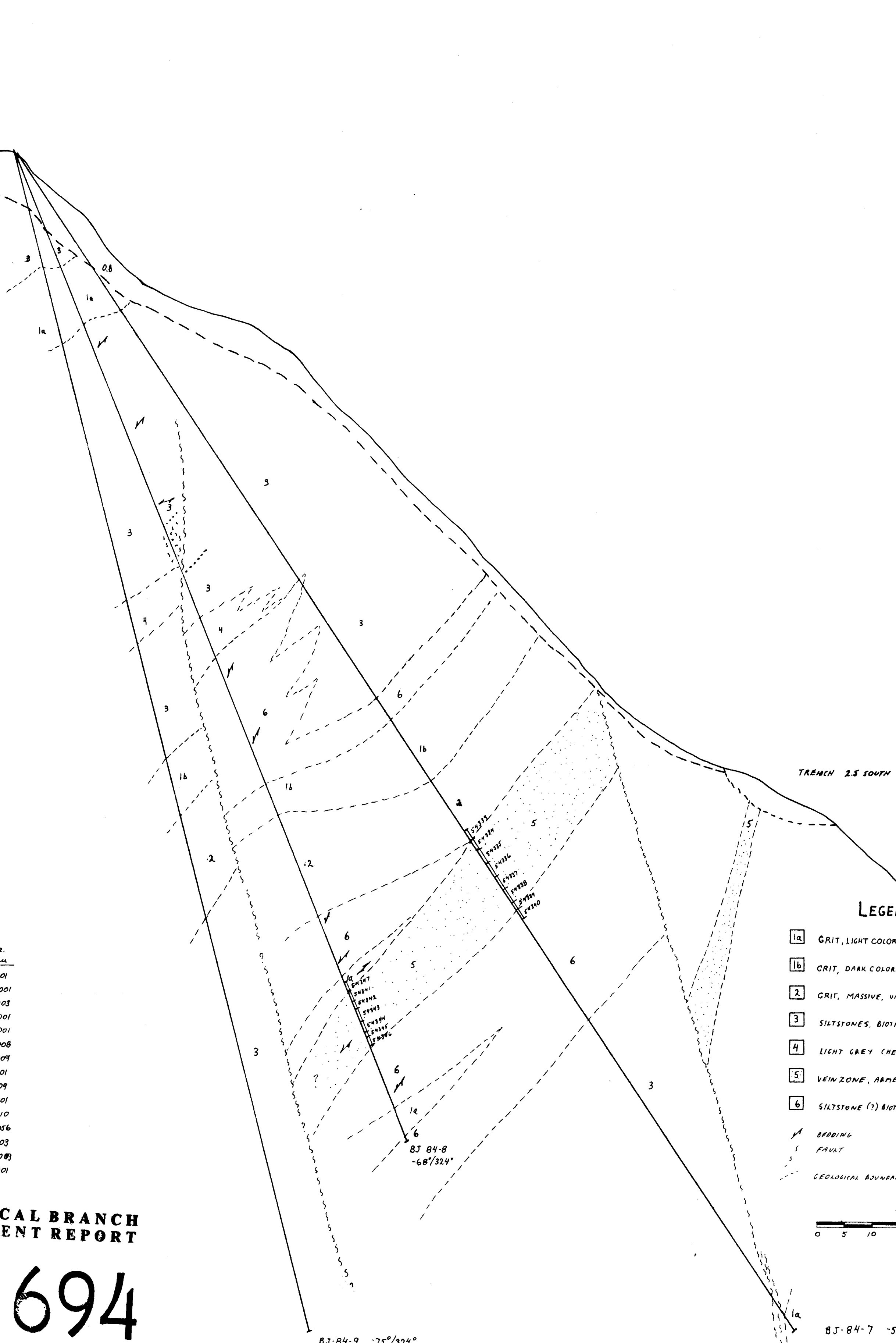
BROWN JUG
CROSS SECTION
(LOOKING SOUTH)
DDH BJ-84-1,2,3

D.A.R. M.TS. 98C 9W JULY 84 APP 2

SAMPLE NO.	WIDTH'	% Cu	% Pb	% Zn	oz. Ag	oz. Au
54333	2.0	0.01	0.02	0.05	0.01	0.001
54334	2.0	0.01	0.17	0.69	0.08	0.001
54335	3.0	0.01	0.29	0.39	0.34	0.003
54336	2.8	0.02	0.07	0.07	0.12	0.001
54337	2.7	0.01	0.11	0.03	0.20	0.001
54338	3.0	0.02	0.35	0.02	0.69	0.008
54339	1.5	0.19	0.20	0.49	0.67	0.009
54340	2.0	0.01	0.01	0.01	0.01	0.001
54341	2.2	0.48	1.34	0.30	3.37	0.109
54342	1.5	0.01	0.20	0.59	0.18	0.001
54343	2.5	0.14	0.22	1.60	0.33	0.010
54344	2.0	0.15	0.77	9.29	2.65	0.056
54345	1.0	0.24	0.25	1.74	0.79	0.003
54346	1.5	0.08	0.11	0.27	0.39	0.009
54347	1.8	0.01	0.01	0.03	0.01	0.001

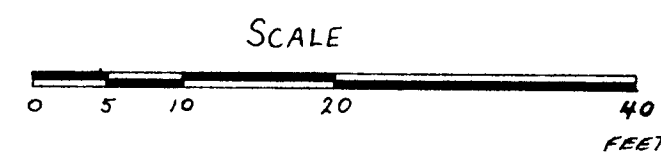
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,694



LEGEND

- 1a GRIT, LIGHT COLORED SILICEOUS MATRIX
- 1b GRIT, DARK COLORED MATRIX
- 2 GRIT, MASSIVE, VARICOLORED MATRIX, BLEACHED NEAR VEIN
- 3 SILTSTONES, BIOTITE TO QUARTZ RICH LAYERS, MINOR GRIT
- 4 LIGHT GREY (CHERT) SEDIMENTS
- 5 VEIN ZONE, ARSENITE, PYRITE, SERICITE, Pb, Zn, Cu, Bi, As, Sb
- 6 SILTSTONE (?) BIOTITE-CHLORITE RICH, DARK GREEN.
- BEDDING
- - - FAULT
- ... SILICIFICATION, ARGILLIFICATION
- - - GEOLOGICAL BOUNDARY



FLOW RESOURCES


BROW JUG
CROSS SECTION
DDH-BJ-84-7,8,9
(LOOKING SOUTH)

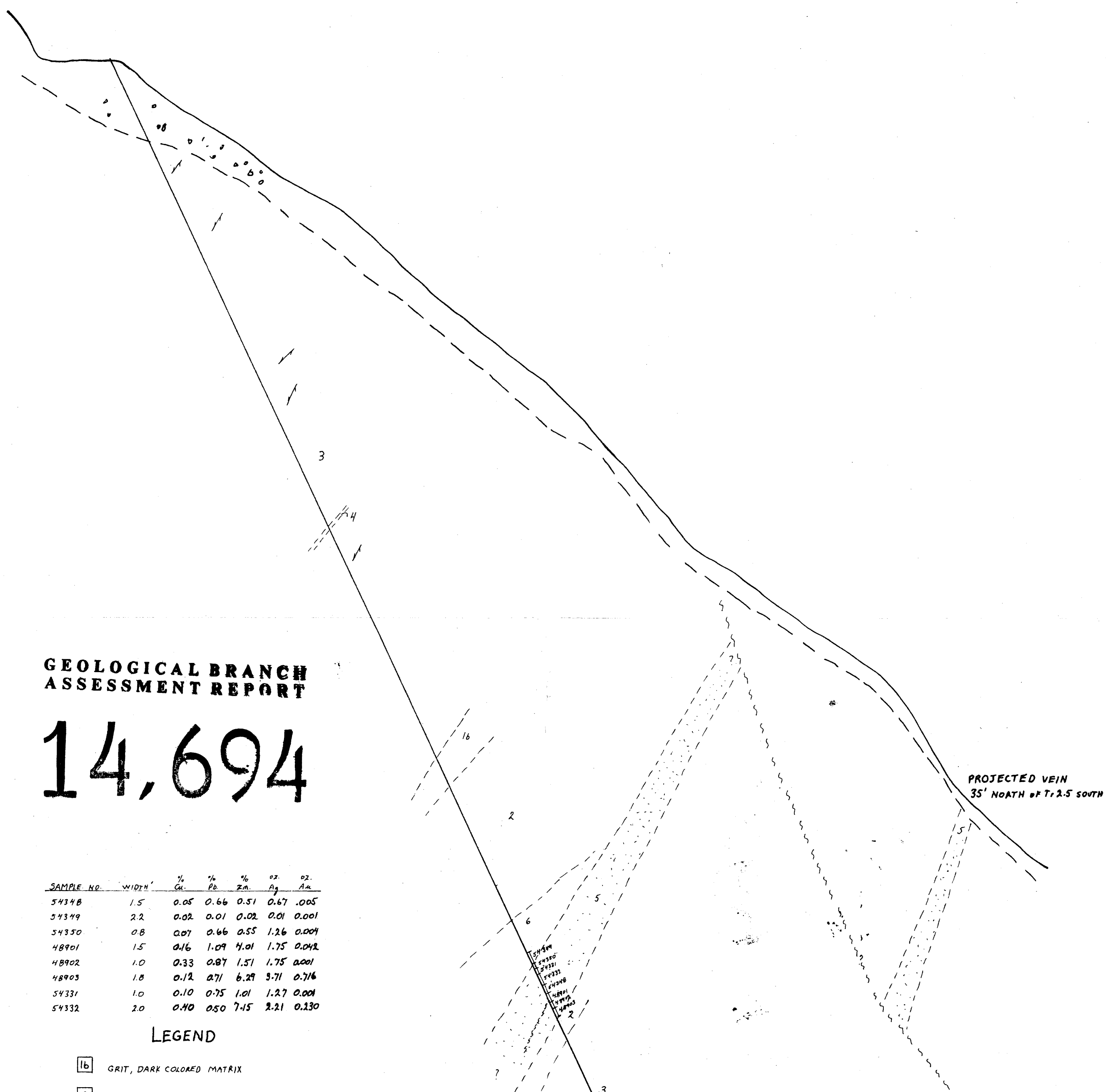
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,694

SAMPLE NO.	WIDTH'	% Cu	% Pb	% Zn	oz. Ag	oz. Au
54348	1.5	0.05	0.66	0.51	0.67	.005
54349	2.2	0.02	0.01	0.02	0.01	0.001
54350	0.8	0.07	0.66	0.55	1.26	0.004
48901	1.5	0.16	1.09	4.01	1.75	0.042
48902	1.0	0.33	0.87	1.51	1.75	0.001
48903	1.8	0.12	0.71	6.29	3.71	0.716
54331	1.0	0.10	0.75	1.01	1.27	0.001
54332	2.0	0.40	0.50	7.15	2.21	0.230

LEGEND

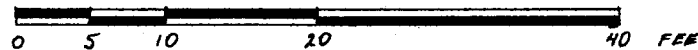
- 1b GRIT, DARK COLORED MATRIX
- 2 GRIT, VARICOLORED, BLEACHED NEAR VEIN
- 3 SILTSTONES, INTERBEDDED BIOTITE TO QUARTZ RICH, MINOR GRIT
- 4 CHEALY SEDIMENTS
- 5 VEIN ZONE, ARSENITE, EPIDOTE, SERICITE, Pb, Zn, Cu, Py
- 6 SILTSTONE, MAINLY BIOTITE-CHLORITE, DARK GREEN, MASSIVE.
-  FAULT, SHAR.



PROJECTED VEIN
35' NORTH OF T. 2.5 SOUTH

DDH-BJ-84-10
-65°/341°

SCALE



FLOW RESOURCES

BROWN JUG
CROSS SECTION
(LOOKING SOUTH)
DDH-BJ-84-10

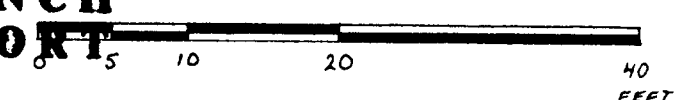
SAMPLE NO.	WIDTH'	Cu	Pb	Zn	Ag	Au
48905	2.4	0.35	0.50	0.93	1.25	0.140
48906	2.3	0.03	0.15	0.11	0.27	0.006
48907	3.7	0.10	0.79	0.21	1.66	0.004
48908	3.0	0.01	0.01	0.03	0.01	0.001
48909	2.6	0.01	0.01	0.01	0.01	0.001

LEGEND

- 1a GRIT, LIGHT COLORED SILICEOUS MATRIX
- 1b GRIT, DARK MATRIX
- 2 GRIT, MASSIVE, VARICOLORED, BLEACHED NEAR VEIN
- 3 SILTSTONES, INTERBEDDED BIOTITE-TO QUARTZ LAYERS, MINOR GRIT
- 4 CHERYT SEDIMENTS
- 5 VEIN ZONE, IMPURE ARMENITE, SERICITE, PICOITE, Pb, Zn, Cu, Py

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

SCALE



14,694

FLOW RESOURCES

BROWN JUG
CROSS SECTION
(LOOKING SOUTH)

DDH-BJ-84-11

D.L.K. NTS 92# 84/84 JULY 84 APP. 7

DDH-BJ-84-11
-65°/302°

PROJECTED 35' SOUTH
OF TRENCH 2.5 SOUTH

