

82-#603-106559



CASSIAR RESOURCES
(Division of Brinco Mining Limited)

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REPORT ON UNDERGROUND

DIAMOND DRILLING

for June - December, 1981

beneath the

CASSIAR MINE

Liard Mining Division

N.T.S. 104 P/5W

By M. Pennock, B. Sc.
W. Pratt

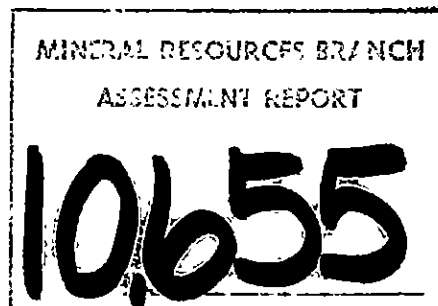
Date: August, 1982

A list of the three meridian four-post claims, the twelve crown granted mineral claims and one mining lease is given in Section 3, "Description of the Claims", as the "McDane Group".

Latitude: 59° 19' N.

Longitude: 130° 50.6' N.W

Owner: Cassiar Resources
(Division of Brinco Mining Ltd.)





LIST OF APPENDICES

- I - Index Map
- II - Location Plan
- III - Diamond Drill Sections
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1. INTRODUCTION

With approximately 10 years of production left to the open pit operation of the Cassiar Mine, exploration for possible underground orebodies is currently being conducted.

An exploration adit has been driven beneath the current open pit and drilling has commenced to expand reserves. Favourable results have been obtained with the discovery of the southern orebody which at present is open-ended to the south and east and with depth.

This report describes one period of diamond drilling of the southern body and has been prepared for submission as assessment work for adjacent mineral claims.

2. LOCATION AND ACCESS

The Cassiar Mine is located in northern British Columbia at latitude $59^{\circ} 19' N.$, longitude $130^{\circ} 50.6' W.$ in rugged mountainous terrain 80 kilometers (50 miles) south of the Yukon border, 1,177 air kilometers (735 miles) northwest of Edmonton and 320 air kilometers (200 miles) southeast of Whitehorse. (See index map App. 1).

A 14 kilometer (9 mile) road branches off Highway No. 37 to the town of Cassiar. The mine road heads north from the Plant area and the exploratory adit can be reached by a well marked road which provides access to a tramline tower as well as the adit.



3. DESCRIPTION OF THE CLAIMS

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>UNITS</u>	<u>ACRES</u>	<u>DATE RECORDED</u>
McDane 1	1580 (9)	9	556.02	5 Sept. 1980
McDane 2	1581 (9)	20	1,235.60	5 Sept. 1980
McDane 3	1582 (9)	18	1,112.04	5 Sept. 1980

CROWN GRANTED MINERAL CLAIMS

<u>CLAIM NAME</u>	<u>LOT NO.</u>	<u>CROWN GRANT NO.</u>	<u>ACRES</u>	<u>DATE OF CROWN GRANT</u>
Rugged #2	6432	5792/928	26.57	9 June 1952
Rugged #4	6434	5791/928	27.59	9 June 1952
Lookout #1	6499	5794/928	26.41	9 June 1952
Lookout #2	6500	5795/928	39.04	9 June 1955
Goat #1	6501	5798/928	43.29	9 June 1955
Goat #2	6502	5797/928	37.08	9 June 1955
Goat #3	6503	5798/928	51.65	9 June 1955
Goat #4	6504	5799/928	51.65	9 June 1955
Goat #5	6505	5800/928	51.65	9 June 1955
Goat #7	6507	5801/929	46.31	9 June 1955
Goat Fraction	6511	5802/929	17.93	8 June 1955
Sheep Fraction	6512	5803/929	37.86	9 June 1955
Mining Lease #4	3161		598.35	23 Aug. 1977

Total No. of Claims: 15 plus one mining lease.

Total Acreage: 3,959.04 or 64.1 units.

The above three meridian four-post mineral claims, twelve crown granted mineral claims and one mining lease have been grouped as the "McDane Group".

4. PREVIOUS HISTORY

Asbestos has been known in this area for many years before any development took place. In 1950, four prospectors staked the large deposit and in 1951 when transportation and economics improved, the Conwest Exploration Company Limited of Toronto formed Cassiar Asbestos Corporation Limited to develop the deposit. (This is currently the Cassiar Resources - (Division of Brinco Mining Limited) Operation).

The first ore was mined in the fall of 1952 and delivered to a mill rated at capacity of 250 tons per day. Many changes have happened since then with current production from the open pit operation at 4,000 tons per day with an annual recovery of approx-



imately 100,000 tons of fibre.

The open pit operation is estimated to have approximately nine years remaining. In light of this, an exploration program has been initiated to test the possibility of future underground mining of asbestos down dip from the current ore body.

An adit was driven at the 1578 meter (5127 foot) level to a length of 1334 meters (4375 feet) from May 1978 to April 1980. From this adit, a series of diamond drill holes have been initiated. 8928.9 meters (29,019 feet) were drilled up to the end of July 1980. This report concerns 2164 meters (7100 feet HQ, 793.4 meters (2603 feet) NQ and 130.8 meters (429 feet) BQ drilling during June - December 1981.

5. PURPOSE OF THE DRILLING PROGRAM

The purpose of the drilling program from the adit was to prove up a sufficient tonnage of ore to warrant a feasibility study on mining methods and to explore for further down dip extensions of the ore-body.

The June - December 1981 underground drilling program consisted of 3,163.5 meters (10,379 feet) of core drilling in ten holes.

HOLE NO.	TYPE	DIP	FROM	TO	TOTAL CORING	AZIMUTH
U81-161	HQ	-69.0°	0'	987'	987'	90.3°
	NQ		987'	1567'	580'	
U81-162	HQ	-84.0°	0'	756'	756'	90.3°
	NQ		756'	1364'	608'	
U81-165	HQ	-71.2°	0'	976'	976'	86.3°
	NQ		976'	1257'	281'	
	BQ		1257'	1486'	229'	
U81-166	HQ	-86.9°	0'	996'	996'	107.3°
	NQ		996'	1196'	200'	
U81-168	HQ	-54.0°	0'	862'	862'	91.13°
	NQ		862'	1076'	214'	
	BQ		1076'	1276'	200'	
U81-170	TRICONE	-70.5°	0'	247'	247'	89.1°
	HQ	-70.5°	247'	771'	524'	89.1°
	NQ	-70.5°	771'	1491'	720'	89.1°
U81-163	HQ		0'	613'	613'	
U81-164	HQ		0'	797'	797'	
U81-167	HQ		0'	355'	355'	
U81-169	HQ		0'	234'	234'	

Total Drilling 10,379' (3,163.5 meters)



See App. 11 for the location of drill hole collars.

Drilling was carried out by Cameron McCutcheon Drilling Ltd. of Vancouver, B.C., under the supervision of M.R. Pennock and W.R. Pratt.

6. INTERPRETATION OF THE RESULTS

The exploration holes drilled indicate a fibre body to the south of the presently mined ore body. The quality and grade of fibre intersected by these holes is encouraging and the present knowledge indicates a continuous body open ended to the south and east and increasing in size and grade with depth.

Because asbestos fibre is not amenable to normal chemical analysis, for valuation purposes, the following method is employed at Cassiar.

1. Fibre bearing zones of core are divided into five foot lengths (1.52 meters).
2. In each five foot section the length of every fibre seam is measured in 1/16th inch (1.587 mm) increments.
3. To obtain an estimate of the percent of fibre in each section, the total length of all fibre measured is divided by the length of recovered core, to obtain a Core Reading Grade (CRG). Because the Cassiar Orebody is considered a stockwork, all fibre seams are oriented randomly. To account for this randomness a correction factor (Cosecant $45^{\circ} = 1.414$) is applied to the CRG (CRG x 1.414) to give a Corrected Core Reading Grade (CCRG). At present a CCRG of less than 3% is not considered ore.

In addition to CCRG, using the length distribution of the fibre seams and past performance of the mill an estimate of fibre product distributions can be made.

The Geological Resources inferred from drilling to date are 14,631,000 Tonnes of Possible Ore at a CCRG of 3% or greater.

7. CONCLUSIONS AND RECOMMENDATIONS

Studies based on the drilling information indicate that there is sufficient tonnage and grade to warrant a feasibility study on economics for underground mining.

With this in mind a further drilling program has been recommended to coincide with the decision to begin underground development for



mining.

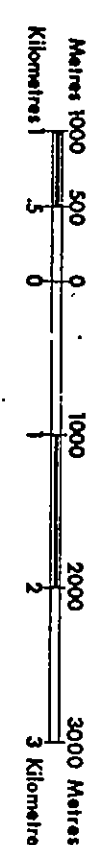
Stage 1 - 12,800 feet (3901.4 meters) drilling. To improve sample density in the fibre zone and provide necessary information in the footwall argillites. This will be carried out only if a decision to mine is made.

Stage 11 - 8,300 feet (2,529.8 meters) drilling. To prove up the inferred northern extension of the fibre body across the shear zone. To be drilled if a decision to mine is made.

8. REFERENCES

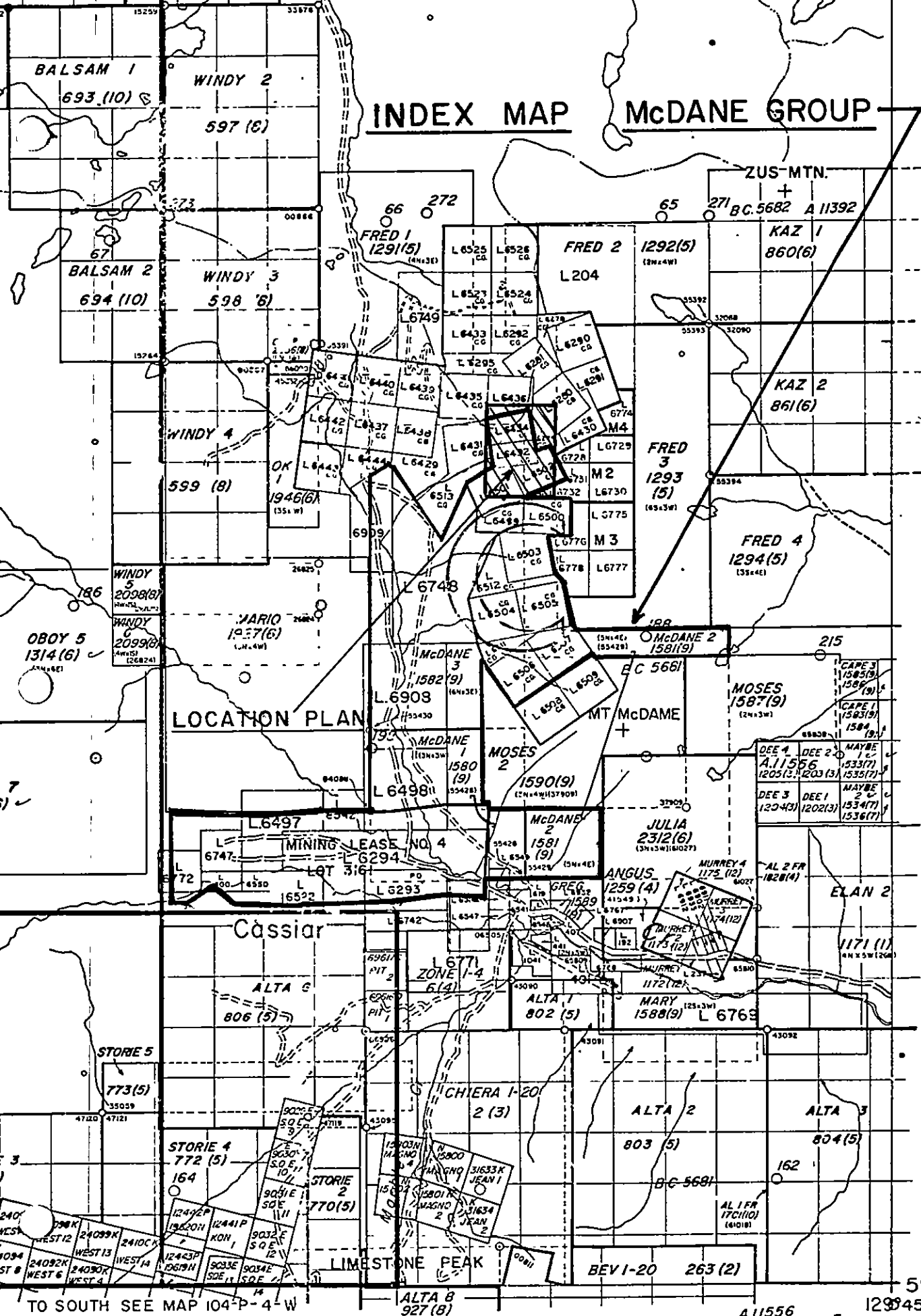
Pewsey, B.G.; Hewett, F.G.; Zimmer, G.S.; Leathley, G.L.; Jones, P.C.; Cook, D.C.; Taylor, M.S.; "The Cassiar Story", published in the CIM Bulletin, 1978.

Pennock, M.R.; Pratt, W.R.; McMaster, G.; "Cassiar mine, Ore Reserve Statement", unpublished, October 31, 1981.



THE INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION CONCERNED.
DATE OF MICROFILM: 82/07/08

INDEX MAP McDANE GROUP



TO SOUTH SEE MAP 104-P-4-W

MINERAL TITLES REFERENCE MAP 104 P/5W

DEPARTMENT OF MINES AND PETROLEUM RESOURCES VICTORIA BC

59°15'
129°45'

CASSIAR ASBESTOS CORPORATION LIMITED
DIAMOND DRILL CORE GEOLOGY LOG

FORM DD-5

PROPERTY Cassiar HOLE UB1-161 DEPTH 1567 ft
 AZIMUTH 090.27 INCLINATION -69° SECTION 22000N
 LATITUDE 22016.42 DEPARTURE 24804.89 ELEVATION 5144.99
 STARTED _____ FINISHED 81-7-11 LOGGED by R. Savage
 date June 1981

LEGEND	
Y	OVERLAP
FR	TA UG
MT	ALTERATION
GS	GRAVEL
V	VEGETATION
S	SHALE
///	SHALE

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
0	4		CASING	
4	136		VOLCANICS - green to grey fine to medium grained some banded grey arg throughout; minor white qtz stringers massive, weel sn't; very compt: hard;	
136	213		ARGILLITE: grey to black; blocky massive; some pyrites on fractures; minor qtz/calc stringers throughout 185 to 213 slightly graphitic blacky to broken minor bands of volcs;	
213	227		ALTERATION ZONE - talcy alt. serp. med. green; some dark green banding blk to brkns: compt; 226-227 - grey white rodingite; very hard; minor pink/green banding;	
27			Serp: dark green; blk to brkn; minor pale green amorphous serp and talc with some calcite on fractures; some basities; most fracts are polished with some slickensides; minor shears @ 261-261; 275-277; 295-297; 297 on - serp is apple to med green with some dark green inclusions trace fibre starts here; 17.	

CASSIAR ASBESTOS CORPORATION LIMITED
DIAMOND DRILL CORE GEOLOGY LOG

PROPERTY Cassiar HOLE U81-161 DEPTH _____
 AZIMUTH _____ INCLINATION _____ SECTION _____
 LATITUDE _____ DEPARTURE _____ ELEVATION _____
 STARTED _____ FINISHED _____ LOGGED by R. Savage
 date June 22/81

LEGEND

T	UNCONFORMITY
AK	TALUS
ALT	ARGILLITE
GS	GRAVELLITE
V	VEINLET
S	SHEAR
///	SHEAR

SCALE :

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
227	439		Minor shears @ 304-306; 323-324.5; 419½ - 421.5; badly broken 327-336; 404-406; 415-417;	
440	453		Serpentine w/veinlets of fiber and calcite 440-453.	
453	465		Serpentine w/veinlets of fiber 453-465;	
465	478		Serpentine minor shear @ 467-471	
478	495		Serp., talc and amor. serp. throughout @ 481-495	
495	504		Minor shear zone 495-496, 500-502	
504	517		Serp. dark green. shear zone @ 505-506 veinlets of fiber 514-517	
517	530		Serpentine - dark green fiber @ 518-523, 528-530 badly broken 518-520	
530	545		Serpentine - dark green to light green veinlets of fiber 530-531, 540-543	
545	558		Serpentine - dark to light green shear zone @ 546-547 badly broken 554-558 fiber ½" to 3/8" 547-548, 552-554	

CASSIAR ASBESTOS CORPORATION LIMITED
DIAMOND DRILL CORE GEOLOGY LOG

FORM DP 3

PROPERTY Cassiar HOLE UB1 - 161 DEPTH _____
 AZIMUTH _____ INCLINATION _____ SECTION _____
 LATITUDE _____ DEPARTURE _____ ELEVATION _____
 STARTED _____ FINISHED _____ LOGGED by R. Savage
 date JUNE 22/81

LEGEND	
Y	DRILL PIPE
AN	ANOMALY
AS	ASBESTOS
GS	GRAVEL
V	VEINLET
S	SHEAR ZONE
///	SPLITTING
SCALE :	

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
558	571		SERPENTINE Shear zone @ 561-567, fibers 1/2" - 3/8" @ 564-571	
571	583		SERPENTINE, dark to light green fibers 1/2" - 3/8" 571-582	
583	597		SERPENTINE, dark green veinlets of fiber 583-597 broken 586-587	
597	611		SERPENTINE, veinlets of fiber 597-601, 609-611 minor shear zone - 603-604, 606--608	
611	623		SERPENTINE veinlets of fiber @ 611-621 shear zone @ 617-619, 620--622	
623	635		SERPENTINE dark to apple green veinlets of fiber 623-627, fiber 1/2" -- 3/8", 627-628, 631-636 shear zone @ 628-636	
635	648		SERPENTINE dark to apple green fiber 1/2" - 7/8", throughout shear zone 635-637	
648	661		SERPENTINE -- dark to apple green fiber 1/8" - 3/4" 648-661 broken 659-660.	

CASSIAR ASBESTOS CORPORATION LIMITED
DIAMOND DRILL CORE GEOLOGY LOG

FORM 10-3

PROPERTY Cassiar HOLE U81-161 DEPTH _____
 AZIMUTH _____ INCLINATION _____ SECTION _____
 LATITUDE _____ DEPARTURE _____ ELEVATION _____
 STARTED _____ FINISHED _____ LOGGED by R. Savage
 date June 25, 1981

LEGEND	
I	IRON
AN	ANOMALY
ALT	ALY
GE	GRAVIMETRIC
V	VOL
S	SER
///	SHEARING

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
661	674		SERPENTINE fiber 661-674 (1/8" - 3/4") shear zone 670-672	
674	691		SERPENTINE dark to apple green fiber 1/8" - 1" throughout minor shear zone @ 686-687	
691	700		SERPENTINE fiber 1/8" - 3/4" throughout minor shear zone 695-696	
700	713		SERPENTINE fiber throughout	
713	726		SERPENTINE dark to apple green fibers throughout shear zone @ 719-722	
726	734		SERPENTINE good fiber	
734	751		SERPENTINE minor shear zone @ 749-750 good fiber throughout	
751	919		SERPENTINE minor shear zone @ 764-765, 865-866, 880-882, 892-894, major shear zone @ 896-919 good mineralization 751-897	

CASSIAR ASBESTOS CORPORATION LIMITED

FORM 103

DIAMOND DRILL CORE GEOLOGY LOG

PROPERTY Cassiar HOLE U81-161 DEPTH _____
 AZIMUTH _____ INCLINATION _____ SECTION _____
 LATITUDE _____ DEPARTURE _____ ELEVATION _____
 STARTED _____ FINISHED _____ LOGGED by R. Savage
 date 81-07-08

LEGEND	
T	TRONTOISE
AR	AMPHIBOLE
ALF	ALBITE
GS	GRANITE
V	VEINLET
S	SERPENTINE
////	SPLITTING
SCALE .	

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
920	973		SERPENTINE shear zone @ 920-927, 932-938, 953.5-957, 958-959 good fiber throughout	
973	1067		SERPENTINE shear zone @ 979-980.5, 991.5-995, 924, 925, brk core - 1023-1036 no recovery from 982-987 - changed size of core barrel HQ to NQ	
1067	1117		SERPENTINE shear zone @ 1070-1071, 1076.5-1078, 1098-1099 good fiber 1067-1102 from 1102-1117, fiber is lower	
1117	1165		SERPENTINE shear zone @ 1035.5-1136.5, 1143-1146, 1149-1152 fiber throughout	
1165	1248		SERPENTINE - bastites 1197-1199 shear zone @ 1219-1222, 1230-1236, 1241-1247 fiber 1165-1199 amorphous serp. and talcy fillings 1199-1248 (few veinlets of fiber)	
1248	1337		SERPENTINE - barren 1248-1270 veinlets from 1270-1325, 3% 1325-1337 shear zone 1271-1272, 1287-1289, 1301-1311	

CASSIAR ASBESTOS CORPORATION LIMITED
DIAMOND DRILL CORE GEOLOGY LOG

FORM DD-3

PROPERTY Cassiar HOLE U81-161 DEPTH _____
 AZIMUTH _____ INCLINATION _____ SECTION _____
 LATITUDE _____ DEPARTURE _____ ELEVATION _____
 STARTED _____ FINISHED _____ LOGGED by R. Savage
 date _____

1	ONE MINUTE
AR	ARC 1/4
AL	ALY 1/4
GS	GRA 1/4
V	VEIN 1/4
S	SHEAR 1/4
////	SMC 1/4

SCALE: _____

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
1337	1423		SERPENTINE - dark green to apple green	
			shear zones @ 1348-1350, 1352-1354, 1359-1361, 1367-1368,	
			1406-1407, 1382-1383	
			Bastites from 1362-1369	
			fiber throughout ⁺ 3%	
1423	1510		SERPENTINE dark to apple green	
			fiber throughout ⁺ - 3%, lengths increasing @ 1444-1476	
			shear zone 1442-1443	
1510	1567		SERPENTINE dark green, amorphous	
			veinlets, offiber throughout	
			shear zone @ 1515-1517, 1556.5-1559	
			very little recovery from 1562-1567	
			END OF HOLE	

COREHOLE No. 81 / 161

From	To	Rec'd	1's	2's	3's	4's	5's	6's	8's	10's	12's	14's	16's	18+'s	Core/S	CCRG	
250	255	4.5	1												45	0.17	<input type="checkbox"/> G
255	260	4.5													0	0.00	<input type="checkbox"/> C
260	265	3.5													0	0.00	<input type="checkbox"/> C
265	270	2.0													0	0.00	<input type="checkbox"/> C
270	275	4.5													0	0.00	<input type="checkbox"/> C
275	280	4.5													0	0.00	<input type="checkbox"/> C
280	285	4.5													0	0.00	<input type="checkbox"/> C
285	290	5.0	6	2											45	1.17	<input type="checkbox"/> Y
290	295	5.0	3	2											45	0.74	<input type="checkbox"/> C
295	300	4.5	1												45	0.17	<input type="checkbox"/> C
300	305	5.0	3												45	0.44	<input type="checkbox"/> C
305	310	4.5	2												45	0.33	<input type="checkbox"/> C
310	315	5.0	1												45	0.14	<input type="checkbox"/> C
315	320	5.0	5	2											45	1.03	<input type="checkbox"/> Y
320	325	4.5													0	0.00	<input type="checkbox"/> C
325	330	4.5	1												45	0.17	<input type="checkbox"/> C
330	335	4.5													0	0.00	<input type="checkbox"/> C
335	340	4.5	1												45	0.17	<input type="checkbox"/> C
340	345	5.0	5												45	0.74	<input type="checkbox"/> C
345	350	5.0	8	2											45	1.47	<input type="checkbox"/> Y
350	355	5.0	3	6											45	1.33	<input type="checkbox"/> Y
355	360	4.5	4	2											45	0.98	<input type="checkbox"/> C
360	365	4.5	7	4	3										45	2.12	<input type="checkbox"/> Y
365	370	5.0	4	4	6										45	2.36	<input type="checkbox"/> Y
370	375	4.5	7	6											45	1.71	<input type="checkbox"/> Y
375	380	5.0	3	5	6	2			6						45	3.24	<input type="checkbox"/> O
380	385	5.0	5	2											45	0.96	<input type="checkbox"/> C
385	390	5.0	6	3	5		3	6							45	3.24	<input type="checkbox"/> O
390	395	5.0	8	7	3	2									45	2.87	<input type="checkbox"/> Y
395	400	5.0	5	7	3	2									45	1.77	<input type="checkbox"/> Y
400	405	4.5	7	6	9	4									45	3.68	<input type="checkbox"/> O
405	410	5.0	6	7	2										45	2.14	<input type="checkbox"/> Y
410	415	5.0	8	1											45	1.26	<input type="checkbox"/> Y
415	420	4.0	3	1											45	0.47	<input type="checkbox"/> C
420	425	4.5	4	3											45	1.06	<input type="checkbox"/> Y
425	430	5.0	3	4	3	4									45	1.98	<input type="checkbox"/> Y
430	435	5.0	6												45	0.98	<input type="checkbox"/> C
435	440	4.5	9	3	2			6							45	2.79	<input type="checkbox"/> Y
440	445	4.5	4	1											45	0.74	<input type="checkbox"/> C
445	450	4.5	4	1	2										45	0.98	<input type="checkbox"/> C

450	455	5.0	7	2	3															
455	460	5.0	3	7	2															
460	465	5.0	2	2																
465	470	4.5	1																	
470	475	4.5																		
475	480	5.0																		
480	485	5.0																		
485	490	5.0																		
490	495	5.0	3																	
495	500	4.5	8	2																
500	505	5.0	6	2																
505	510	5.0	3																	
510	515	5.0	2	2																
515	520	5.0	3	2																
520	525	5.0	6	5	3	4														
525	530	5.0	6	6	6															
530	535	5.0	3																	
535	540	4.5	2	1																
540	545	4.5	9	3	6	4	6													
545	550	5.0	3	9	3	6	3													
550	555	5.0	10	1	2	4														
555	560	4.5	6																	
560	565	4.5	2	2	6															
565	570	5.0	11	5	9	14	13	6												
570	575	5.0	10	8	11	6	3	9												
575	580	4.5	7	6	7	2	6													
580	585	5.0	5	1	3	4	5													
585	590	5.0	11	3	5															
590	595	5.0	10	3	2	4	5													
595	600	4.5	11	6	6															
600	605	5.0	5	10	2	4	13													
605	610	4.5	3	1	3															
610	615	4.5	12	6	3	11														
615	620	5.0	7	2	2	4														
620	625	4.5	11	3	2	9	6													
625	630	4.0	6	6	3	5														
630	635	4.5	6	8	10	13	6	20	9											
635	640	5.0	5	6	3	4		12		15	6									
640	645	5.0	8	5	3	8	15	15												
645	650	5.0	12	11	11	16		9	4	20										

45	1.70	<input type="checkbox"/>	Y
45	1.70	<input type="checkbox"/>	Y
45	0.52	<input type="checkbox"/>	C
45	0.17	<input type="checkbox"/>	C
0	0.00	<input type="checkbox"/>	C
0	0.00	<input type="checkbox"/>	C
0	0.10	<input type="checkbox"/>	G
0	0.00	<input type="checkbox"/>	G
45	0.37	<input type="checkbox"/>	G
45	1.39	<input type="checkbox"/>	Y
45	1.10	<input type="checkbox"/>	Y
45	0.37	<input type="checkbox"/>	C
45	0.52	<input type="checkbox"/>	C
45	0.66	<input type="checkbox"/>	C
45	2.66	<input type="checkbox"/>	Y
45	2.57	<input type="checkbox"/>	Y
45	0.44	<input type="checkbox"/>	C
45	0.41	<input type="checkbox"/>	C
45	3.93	<input type="checkbox"/>	O
45	3.39	<input type="checkbox"/>	O
45	3.54	<input type="checkbox"/>	O
45	0.82	<input type="checkbox"/>	C
45	1.32	<input type="checkbox"/>	Y
45	8.40	<input type="checkbox"/>	P
45	6.77	<input type="checkbox"/>	P
45	3.85	<input type="checkbox"/>	O
45	2.59	<input type="checkbox"/>	Y
45	2.66	<input type="checkbox"/>	Y
45	3.39	<input type="checkbox"/>	O
45	3.11	<input type="checkbox"/>	O
45	4.86	<input type="checkbox"/>	O
45	1.06	<input type="checkbox"/>	Y
45	4.67	<input type="checkbox"/>	O
45	2.06	<input type="checkbox"/>	Y
45	4.43	<input type="checkbox"/>	O
45	2.86	<input type="checkbox"/>	Y
45	10.39	<input type="checkbox"/>	R
45	7.44	<input type="checkbox"/>	R
45	7.95	<input type="checkbox"/>	R
45	13.25	<input type="checkbox"/>	R

650	655	5.0	10	8	11	6	3	3	4	25			45	10.17		R
655	660	5.0	10	13	2	6	13	18	4	10	18	7	45	14.88		R
660	665	5.0	8	12	12	16	5	12					45	13.19		P
665	670	5.0	14	11	5	4	8	6					45	8.70		P
670	675	5.0	25	11	12	6	13						45	0.73		P
675	680	5.0	10	19	8	20	5	9	20				45	14.44		P
680	685	4.5	11	9	10								45	5.73		P
685	690	5.0	5	7	3	8	5						45	5.83		P
690	695	4.5	14	21	19	9		9					45	10.56		R
695	700	5.0	13	15	8	18	8	9	8	10			45	12.97		P
700	705	5.0	9	13	12	2	10	9					45	8.03		P
705	710	5.0	9	7	5	12	5			10			45	7.00		P
710	715	4.5	12	21	7	24	6						45	10.24		R
715	720	5.0	5	12	3	4							45	3.54		O
720	725	5.0	7	12	6	8	3	6	16				45	10.83		F
725	730	5.0	7	10	6	6	3	3		5			45	8.17		R
730	735	5.0	11	18	6	12	5	9					45	8.98		R
735	740	5.0	10	16	8	6		6	12	5	6		45	10.08		P
740	745	5.0	9	9	17	6	5	9	16				45	10.38		P
745	750	5.0	6	17	5	2	15		8				45	7.67		R
750	755	4.5	11	14	2	9	3	3	9				45	10.07		R
755	760	4.5	11	8	16	7	3	7					45	9.98		R
760	765	5.0	4	5	5	4			8	10			45	5.23		P
765	770	5.0	3	1	5	6	13	21			12		45	8.84		R
770	775	5.0	5	7	17	8		3	20				45	11.12		P
775	780	5.0	8	5	9	4	3	3	16				45	6.93		P
780	785	5.0	9	6		4	3	9	8				45	6.77		P
785	790	5.0	11	5	2	4							45	4.27		O
790	795	4.5	8	4	12	2	6						45	4.58		O
795	800	5.0	11	11	5	10	5		8				45	7.28		R
800	805	5.0	11	6	3	8	5	3	4				45	5.81		P
805	810	5.0	14	11	3	2	3	21					45	7.88		R
810	815	5.0	13	16	6	9	3	9					45	8.03		F
815	820	5.0	5	6	6	1	8	3					45	4.13		O
820	825	5.0	9	22		4	5			10			45	7.30		R
825	830	5.0	13	11	5	12	8	3	8				45	10.38		R
830	835	5.0	14	11	3								45	4.04		O
835	840	5.0	13	20	14	10							45	8.24		R
840	845	5.0	7	11	11	4							45	4.71		O
845	850	5.0	11	11	11	4	5	6	8				45	8.10		R

850	855	5.0	15	13	6	4			8		14	16	45	11.13		P
855	860	4.5	17	17	0	9	11	7		11			45	11.62		P
860	865	5.0	4	3	6	4	10	6					45	4.79		O
865	870	4.5	7	2	7	4							45	2.86		Y
870	875	5.0	5	3	3	8	5						45	3.54		O
875	880	5.0	7	6	17	14	10	18					45	10.47		R
880	885	5.0	3	2	5	2	5						45	2.36		Y
885	890	4.5	3	8	2	4							45	2.55		Y
890	895	4.0	3	5	7	8	6		20				45	6.68		P
895	900	4.5	2		3	7		3	9	6	7		45	5.57		P
900	905	4.0	8										45	1.10		Y
905	910	4.5	10	7	2	11	6	7					45	6.14		P
910	915	4.5	7	10	7	4							45	4.09		O
915	920	5.0	7	10	6								45	3.32		O
920	925	5.0	5	4	5	18							45	4.64		O
925	930	4.5	8	14	6								45	4.00		O
930	935	5.0	12	10	3	4							45	4.20		O
935	940	4.5	7	10	10	7	9				16		45	8.43		P
940	945	4.5	14	1	3	9	9	3	18		13	16	45	12.60		P
945	950	5.0	6	11	12	6	8	12	8				45	9.14		R
950	955	5.0	13	12	5	2							45	4.57		O
955	960	5.0	6	3	9	4		6	4		12		45	6.41		P
960	965	5.0	7	2	2	10	3	3	4				45	4.41		O
965	970	5.0	5	6	12	2							45	3.69		O
970	975	4.5	6	4	3	4	3	3					45	3.52		O
975	980	5.0	11	4	8	6	3	6		5			45	6.11		P
980	985	4.0	4					4			8		45	2.21		Y
985	990	3.5	10	6		3		4					45	3.37		O
990	995	5.0	5	5	2			6					45	2.57		Y
995	1000	5.0	9	4	8	2		12	8				45	6.19		P
1000	1005	5.0	7	6	8			9	12	5			45	6.84		P
1005	1010	4.5	7	1	6	4		3					45	2.94		Y
1010	1015	5.0	11	8	5	6	8						45	5.37		P
1015	1020	5.0	7	10	3	2	8	9	4				45	6.26		P
1020	1025	5.0	11	7	3	8	3	3					45	5.01		P
1025	1030	5.0	10	3	2		8	18	4	10			45	7.88		R
1030	1035	5.0	7	3	5	4	5	9					45	4.78		O
1035	1040	5.0	7	11	11		5						45	4.94		O
1040	1045	5.0	6	3	6	2		3	4			16	45	5.83		P
1045	1050	5.0	4	7	5	8	3			5	6		45	5.37		P

1250	1255	5.0																		0	0.00		C
1255	1260	5.0		1																23	0.11		G
1260	1265	5.0																		0	0.00		G
1265	1270	5.0	4																	45	0.51		C
1270	1275	5.0	11	6	2															45	2.66		Y
1275	1280	5.0	5		2															45	0.96		C
1280	1285	5.0	1																	45	0.14		C
1285	1290	5.0	2																	45	0.30		C
1290	1295	5.0	4	1																45	0.66		C
1295	1300	5.0	1	1	2															45	0.51		C
1300	1305	4.5	4	4	7															45	2.29		V
1305	1310	4.5	3		2															45	0.65		C
1310	1315	4.5	6	7																45	1.80		Y
1315	1320	5.0	8	1	2															45	1.47		Y
1320	1325	5.0	9	5																45	2.06		Y
1325	1330	5.0	12	7	3	12					12									45	6.77		P
1330	1335	5.0	7	9	2	2	5				12									45	5.37		P
1335	1340	5.0	3	6	9		3				3									45	3.38		O
1340	1345	5.0	4	4	5	2														45	2.06		Y
1345	1350	5.0	3	2																45	0.74		G
1350	1355	5.0	2																	23	0.17		C
1355	1360	5.0	5																	45	0.66		G
1360	1365	5.0	6	2																45	1.17		Y
1365	1370	5.0	9	6	2	2	10				6									45	5.08		P
1370	1375	5.0	6	5	2	4	10				6									45	5.30		P
1375	1380	5.0	15	13	21	2	5				3									45	8.63		R
1380	1385	4.5	12	16	2	2														45	4.58		O
1385	1390	5.0	8	20	5	4	3				3									45	6.11		P
1390	1395	5.0	3	8	6	2														45	2.80		Y
1395	1400	5.0	10	6	3	2														45	3.03		O
1400	1405	5.0	7	2	5															45	2.87		V
1405	1410	5.0	6	7	3	4														45	2.87		V
1410	1415	5.0	9	7	3	2					6									45	5.09		P
1415	1420	5.0	4	6	6	2	3				6									45	3.90		O
1420	1425	5.0	10	9	5	4					6									45	4.86		O
1425	1430	5.0	8	7	5	6	3				6									45	5.53		P
1430	1435	4.5	11	4	3	2														45	3.03		O
1435	1440	5.0	11	6																45	2.43		Y
1440	1445	5.0	9	8	9	8					9									45	6.26		P
1445	1450	5.0	4	3	5		8				9									45	5.60		P

1050	1055	5.0	3	4		2	5	3	
1055	1060	5.0	6	8	3		5	3	4
1060	1065	5.0	11	9	6	4			
1065	1070	5.0	10	10	6	12	3	3	12
1070	1075	5.0	12	14	9	4	8	3	
1075	1080	5.0	3	1					
1080	1085	5.0	13	3	12	6	3	3	5
1085	1090	5.0	8	10	12	12	3		4
1090	1095	4.5	8	9	3	2			
1095	1100	4.5	6	6	3	4			
1100	1105	5.0	6	13	8	6	3		
1105	1110	5.0	5	2					
1110	1115	5.0	7	5	8	2	8	3	4
1115	1120	5.0	10	10			8		
1120	1125	4.5	8	12	12	4		3	4
1125	1130	5.0	7	8	12	2	8	15	4
1130	1135	5.0	8	6	12	12	10		5
1135	1140	5.0	14	17	8	18	15	21	4
1140	1145	5.0	16	11	9	8	13	6	4
1145	1150	5.0	11	8	11	12	3		
1150	1155	4.5	11	14	10	11	3	3	7
1155	1160	5.0	8	15	8	10	5	6	12
1160	1165	5.0	9	3	14	6	10	3	12
1165	1170	5.0	15	11	11	8	8	9	24
1170	1175	5.0	5	8	12	8	3	12	8
1175	1180	5.0	13	11	6	4		12	5
1180	1185	5.0	11	5	6	6	8		6
1185	1190	5.0	10	8	8	4	5	3	
1190	1195	5.0	9	8	5	2			
1195	1200	5.0	13	11	3				
1200	1205	5.0	4	1	2				
1205	1210	5.0	2	1	2	2			
1210	1215	5.0							
1215	1220	5.0							
1220	1225	5.0	4	5	2				
1225	1230	5.0	3	2					
1230	1235	5.0	1						
1235	1240	5.0							
1240	1245	5.0	3	1					
1245	1250	5.0	3	2					

45	2.50			Y
45	4.27			O
45	4.34			O
45	8.10			R
45	7.21			R
45	0.59			C
45	6.4R			P
45	7.07			R
45	3.20			O
45	2.79			Y
45	5.15			P
45	1.03			Y
45	5.23			P
45	4.04			O
45	7.78			P
45	10.83			R
45	8.63			R
45	14.95			R
45	9.80			P
45	6.48			P
26	6.83			P
45	10.83			P
45	9.80			R
45	12.45			R
45	8.84			P
45	8.33			R
45	5.15			P
45	5.46			P
45	3.39			O
45	3.90			O
45	0.96			C
45	0.89			C
0	0.00			C
0	0.00			G
45	1.47			Y
45	0.66			G
45	0.07			G
0	0.00			C
45	0.59			G
45	0.74			C

9

1450	1455	5.0	5	2					
1455	1460	5.0	5	5	6	2	8	3	
1460	1465	5.0	7	3	2	2			
1465	1470	5.0	5	5	5	2			
1470	1475	5.0	7	3	2	4	3	3	
1475	1480	5.0	9	7	3				
1480	1485	5.0	9	7	2	4	5		
1485	1490	5.0	8	3					
1490	1495	5.0	3	4	2				
1495	1500	5.0	5	3					
1500	1505	5.0	3	5	2				
1505	1510	5.0	4	1					
1510	1515	5.0	2	4	5	4			
1515	1520	5.0	1	4		6			
1520	1525	5.0	1	1					
1525	1530	5.0	3						
1530	1535	5.0	8	3		2			
1535	1540	5.0	8	6	9	2			
1540	1545	5.0	4				5		
1545	1550	5.0	4						
1550	1555	5.0							
1555	1560	5.0	1	3					
1560	1565	1.5							

10

45	0.96	<input type="checkbox"/>	C
45	4.13	<input type="checkbox"/>	O
45	1.98	<input type="checkbox"/>	Y
45	2.43	<input type="checkbox"/>	Y
45	3.03	<input type="checkbox"/>	O
45	2.73	<input type="checkbox"/>	Y
45	5.37	<input type="checkbox"/>	P
45	1.63	<input type="checkbox"/>	V
45	1.17	<input type="checkbox"/>	V
45	1.17	<input type="checkbox"/>	Y
45	1.40	<input type="checkbox"/>	Y
45	0.66	<input type="checkbox"/>	C
45	2.14	<input type="checkbox"/>	V
45	1.54	<input type="checkbox"/>	V
45	0.21	<input type="checkbox"/>	C
45	0.44	<input type="checkbox"/>	C
45	1.84	<input type="checkbox"/>	V
45	3.69	<input type="checkbox"/>	O
45	1.33	<input type="checkbox"/>	Y
45	0.51	<input type="checkbox"/>	C
0	0.00	<input type="checkbox"/>	C
45	0.52	<input type="checkbox"/>	G
0	0.00	<input type="checkbox"/>	C

CASSIAR ASBESTOS CORPORATION LIMITED
DIAMOND DRILL CORE GEOLOGY LOG

FORM DP-3

PROPERTY Cassiar U/G HOLE U81-162 DEPTH _____
 AZIMUTH _____ INCLINATION _____ SECTION _____
 LATITUDE _____ DEPARTURE _____ ELEVATION _____
 STARTED _____ FINISHED _____ LOGGED by R. Savage
 date July 27/81

LEGEND	
—	OVERBURDEN
T	TALUS
AR	ARGILLITE
ALT	ALTERATION
GS	GRAPHITIC SLIT
V	VOLCANICS
S	SILT
///	SHEARING
SCALE .	

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
1273.5	1277		ARGILLITE Pyrite @ joints, veinlets of calcite	
1277	1280		VOLCANICS gray to white	
1280	1294.5		ARGILLITES Pyrite throughout	
1294.5	1299		VOLCANICS Chalcopyrite epirite inclusions throughout	
1299	1364		ARGILLITES @ 1343-1344 gray colour Pyrite throughout Assay Analysis should be performed for precious base metals @ 1300 to 1313 calcite @ 1361-1364 Shear zone 1360 - 1364	
			END OF HOLE	

670	675	4.0	8	9	14	10		15	10	13				
675	680	5.0	6	3	8	8								
680	685	5.0	4	9	8	4	5	6	8					
685	690	5.0	4	11	9	8	3	9	4	5				
690	695	5.0	3	6	5	12	5	12			12		16	
695	700	5.0	9	11	8	12	3	9		10				
700	705	4.5	2	7	6	2	3	3	4	11				
705	710	5.0	8	12	15	10	3		8					
710	715	4.5	12	8	13	7	17	13	4					
715	720	5.0	8	16	12	8	10	6	12	5				
720	725	5.0	5	10	11	2	5		8	5				
725	730	5.0	8	12	15	2		9						
730	735	5.0	8	8	21	8								
735	740	5.0	14	7	3	4								
740	745	5.0	12	13	6	2								
745	750	5.0	8	8	5	8								
750	755	5.0	10	4	6	4	3	7	4					
755	760	5.0	7	9	6	2	3							
760	765	5.0	4	2	2			6						
765	770	5.0	6	5	8									
770	775	5.0	5	4	5	2								
775	780	5.0	17	6	5	2	5	6						
780	785	4.5	11	10	3	4	3							
785	790	5.0	6	7	3	6		6						
790	795	4.0	8	5	8	8	4		5					
795	800	4.5	9	6	9									
800	805	5.0	10	5	8	4		6						
805	810	5.0	8	6	3	4	3							
810	815	5.0	8	6	3	3	3							
815	820	5.0	10	9	3	10								
820	825	5.0	5	1		2								
825	830	4.0	5	4	4									
830	835	4.0	6	3	4	5	4	8						
835	840	3.5	3	1										
840	845	4.5	4	2										
845	850	5.0	4	3		4								
850	855	5.0	12	3										
855	860	5.0	8	7	8	8	3		8					
860	865	5.0	8	4		4			8					
865	870	5.0	11	5			5	15	12	15	6	7		

45	11.33			R
45	3.61			O
45	6.41			P
45	7.74			R
45	10.10			R
45	8.91			R
45	5.73			P
45	8.10			P
45	11.13			F
45	11.34			F
45	6.63			P
45	6.70			P
45	7.44			R
45	4.04			O
45	4.86			O
45	4.13			O
45	5.53			P
45	3.83			O
45	1.92			Y
45	2.73			Y
45	2.28			Y
45	5.97			F
45	4.58			O
45	4.06			O
45	5.25			P
45	3.20			O
45	4.79			O
45	3.39			O
45	2.80			Y
45	4.64			O
45	1.17			Y
45	1.84			Y
45	4.04			O
45	0.64			C
45	0.89			G
45	1.56			Y
45	2.14			Y
45	5.97			P
45	3.54			O
45	11.20			R

FORHICLF No. R1 / 162

From	To	Fec'd	1's	2's	3's	4's	5's	6's	8's	10's	12's	14's	16's	18+'s	Core/S	CCFC	
270	275	4.0	3												45	0.37	<input type="checkbox"/> C
275	280	4.5	6	6											45	1.64	<input type="checkbox"/> Y
280	285	5.0	9	1											45	1.40	<input type="checkbox"/> Y
285	290	5.0	7	6	5	2									45	2.80	<input type="checkbox"/> Y
290	295	4.5	3	3											45	0.91	<input type="checkbox"/> G
295	300	5.0	6												45	0.88	<input type="checkbox"/> C
300	305	4.5	6	2											45	1.06	<input type="checkbox"/> Y
305	310	4.5	4	6	2										45	1.64	<input type="checkbox"/> Y
310	315	4.5	6												45	0.74	<input type="checkbox"/> G
315	320	4.0	4	1											45	0.74	<input type="checkbox"/> C
320	325	4.0	5	1											45	0.92	<input type="checkbox"/> C
325	330	4.5	3												45	0.41	<input type="checkbox"/> C
330	335	5.0	1												45	0.14	<input type="checkbox"/> C
335	340	4.0	1												45	0.18	<input type="checkbox"/> C
340	345	3.5	1												45	0.21	<input type="checkbox"/> G
345	350	4.0	5	3											45	1.10	<input type="checkbox"/> Y
350	355	3.0													0	0.00	<input type="checkbox"/> C
355	360	3.0													0	0.00	<input type="checkbox"/> G
360	365	3.5	1												23	0.08	<input type="checkbox"/> G
365	370	5.0													0	0.0	<input type="checkbox"/> G
370	375	4.5													0	0.00	<input type="checkbox"/> G
375	380	3.5	1												23	0.08	<input type="checkbox"/> G
380	385	3.5													0	0.00	<input type="checkbox"/> G
385	390	3.5	1												45	0.21	<input type="checkbox"/> G
390	395	4.0													0	0.00	<input type="checkbox"/> C
395	400	4.5	1	2											45	0.49	<input type="checkbox"/> C
400	405	5.0		4											45	0.59	<input type="checkbox"/> C
405	410	3.5	4	3											45	0.95	<input type="checkbox"/> G
410	415	2.5	2												45	0.30	<input type="checkbox"/> C
415	420	4.0	3												45	0.37	<input type="checkbox"/> C
420	425	4.5	1												45	0.17	<input type="checkbox"/> C
425	430	5.0	2												45	0.30	<input type="checkbox"/> G
430	435	5.0	3	5	5		5	3							45	2.94	<input type="checkbox"/> Y
435	440	4.5	9	8	13	7	6								45	6.22	<input type="checkbox"/> P
440	445	4.5	7	12	9	2	3	7	9						45	7.03	<input type="checkbox"/> P
445	450	4.0	11	8	8	8									45	4.98	<input type="checkbox"/> O
450	455	5.0	11	14	5	10	3	6							45	7.00	<input type="checkbox"/> R
455	460	5.0	10	9	2	10	3	15	8	5					45	8.91	<input type="checkbox"/> R
460	465	4.5	14	8	3	11	3	7	4						45	7.44	<input type="checkbox"/> R
465	470	5.0	5	3				6							45	2.06	<input type="checkbox"/> Y

470	475	5.0	4	12	11	6	5	3	P		40	45	12.97	[]	R
475	480	4.0	6	3		5	6	11	20	6		45	8.47	[]	R
480	485	4.5	4	8	10		6	7	9	11		45	8.02	[]	P
485	490	5.0	5	10	8	2						45	3.61	[]	O
490	495	5.0	6	2		12			4		6	45	7.44	[]	P
495	500	5.0	6	1	6		10			10		45	4.79	[]	O
500	505	5.0	5	4	5	4	5	6		10	6	45	7.74	[]	P
505	510	5.0	6	3	3	2	3	6	12		12	45	9.14	[]	R
510	515	5.0	3	3	P	8						45	3.31	[]	F
515	520	5.0	7	10	5		3	15	20			45	9.70	[]	R
520	525	4.0	3	11	3		10		15			45	7.00	[]	P
525	530	5.0	9	4	2	8	8	6	24	5		45	9.50	[]	R
530	535	5.0	6	3	6	4	3	3	8		6	45	5.67	[]	P
535	540	4.5	10	11	6	2				11		45	5.73	[]	P
540	545	5.0	8	5	6		5	18	4			45	6.77	[]	P
545	550	3.5	7	4	4	3			6	7		45	4.53	[]	O
550	555	5.0	11	6	5							45	3.10	[]	O
555	560	5.0	10	5	6	4		6	12	5		45	7.00	[]	R
560	565	5.0	5	5	3			3		5	6	45	3.97	[]	O
565	570	5.0	9	10	8	2	8	9				45	6.55	[]	P
570	575	5.0	4	6	5	4	5	15	P	10	12	45	10.10	[]	P
575	580	5.0	9	8	9	8	8	18	4	5	6	45	10.97	[]	P
580	585	4.5	3		3	9	9	3	4	6	13	45	11.21	[]	P
585	590	5.0	4	5	6				4	5		45	5.60	[]	P
590	595	5.0	11	4	8	4	3				12	45	6.04	[]	P
595	600	5.0	9	13	5	6		3				45	5.15	[]	P
600	605	5.0	6	11	2	8	3	21	12		6	45	11.05	[]	R
605	610	5.0	5	8	6	4	3	3				45	6.56	[]	P
610	615	5.0	6	4	8	6	5	3				45	4.57	[]	O
615	620	5.0	10	3	6	2	3					45	3.38	[]	O
620	625	5.0	8	10	8	8	8	3	16	15		45	10.97	[]	R
625	630	5.0	10	4	6	10	5	9	4	30		45	13.48	[]	P
630	635	5.0	5	13	12	2	5	9				45	6.77	[]	P
635	640	5.0	8	3	14	4	8	6				45	6.12	[]	P
640	645	5.0	8	10	9	6		6	8	10		45	8.33	[]	F
645	650	5.0	13	11	3	8	13	15	8			4	10.31	[]	R
650	655	4.5	9	9	10	4				22	20	45	13.27	[]	F
655	660	5.0	8	7	3	4	5	12	20	10		45	10.17	[]	P
660	665	5.0	9	6	11	8	13	3	8		12	45	10.10	[]	R
665	670	5.0	4	7	3		3					45	2.36	[]	Y

870	875	3.5	1		3	3		9		
875	880	5.0	3							
880	885	5.0	8	1	2			3		
885	890	4.5	4	2						
890	895	5.0	3	2	2					
895	900	5.0	5	5	3	2	5	15		
900	905	5.0	5	8	8	4		3		
905	910	5.0	6	2	2					
910	915	5.0	6	2	6	2				
915	920	5.0	4	5	6	2				
920	925	5.0	4	3	5	2	3	3	4	
925	930	4.5		1	2			7		
930	935	5.0	4	4	2					
935	940	5.0								
940	945	5.0	3	5						
945	950	5.0	2							
950	955	5.0								
955	960	5.0	4	3	3					
960	965	5.0								
965	970	1.5								
970	975	5.0	3	1						
975	980	5.0	4							
980	985	5.0								
985	990	5.0	1		3					
990	995	5.0	2	1	2					
995	1000	5.0	1	2						
1000	1005	5.0								
1005	1010	5.0	4							
1010	1015	4.5	3	2						
1015	1020	5.0	4	2						
1020	1025	5.0	6	8			3	6		
1025	1030	5.0	3	5	2		5			
1030	1035	5.0	4	4						
1035	1040	5.0	3	3						
1040	1045	5.0	6	3						
1045	1050	5.0	6			4				
1050	1055	5.0								
1055	1060	5.0	4	2						
1060	1065	5.0	3	2		2	3			
1065	1070	4.5	6	2						

20

45	5.15		P
45	0.37		G
45	1.99		Y
45	0.91		G
45	0.89		C
45	5.15		P
4	4.20		O
4	1.20		Y
45	1.77		Y
45	2.36		Y
45	2.43		Y
45	3.31		O
45	1.40		Y
45	1.40		Y
0	0.00		C
45	1.17		Y
45	0.30		C
0	0.00		C
45	1.40		Y
0	0.00		C
0	0.00		C
45	0.51		G
45	0.51		G
0	0.00		C
45	0.59		G
45	0.59		G
45	0.44		G
0	0.00		C
45	0.59		C
45	0.74		G
45	0.88		G
45	3.31		O
45	2.14		Y
45	1.10		Y
45	0.82		G
45	1.24		Y
45	1.40		Y
0	0.00		C
45	0.89		G
45	1.63		Y
45	1.06		Y

1070	1075	4.5	2	1	2				
1075	1080	5.0	5	2					
1080	1085	5.0	3	3		2			
1085	1090	5.0	7	5	6				
1090	1095	5.0	8	4	2	4			
1095	1100	5.0	5	2	8	4			
1100	1105	5.0	6	4	8	5	9		
1105	1110	5.0	4	4	2				
1110	1115	5.0	5	3	3	4			
1115	1120	5.0	5	4	2				
1120	1125	5.0	5	5					
1125	1130	5.0	5	1		2	3	6	
1130	1135	5.0							
1135	1140	5.0	2						
1140	1145	5.0	1						
1145	1150	4.5							
1150	1155	4.0	4						
1155	1160	5.0	2	1	2				
1160	1165	5.0	5	2	2				
1165	1170	5.0	4	10	5	3			
1170	1175	5.0	5	4	8	8	3	6	
1175	1180	5.0	2						
1180	1185	5.0	4	2					
1185	1190	5.0	4	5					
1190	1195	5.0							
1195	1200	5.0		2					

45	0.74	<input type="checkbox"/>	C
45	0.95	<input type="checkbox"/>	C
45	1.17	<input type="checkbox"/>	Y
45	2.21	<input type="checkbox"/>	Y
45	2.90	<input type="checkbox"/>	Y
45	2.66	<input type="checkbox"/>	Y
45	5.76	<input type="checkbox"/>	P
45	1.3	<input type="checkbox"/>	Y
45	2.14	<input type="checkbox"/>	Y
45	1.47	<input type="checkbox"/>	Y
45	1.47	<input type="checkbox"/>	Y
45	2.43	<input type="checkbox"/>	Y
0	0.00	<input type="checkbox"/>	C
45	0.30	<input type="checkbox"/>	C
45	0.14	<input type="checkbox"/>	C
0	0.00	<input type="checkbox"/>	C
45	0.55	<input type="checkbox"/>	C
45	0.59	<input type="checkbox"/>	C
45	1.17	<input type="checkbox"/>	Y
45	3.10	<input type="checkbox"/>	O
45	4.79	<input type="checkbox"/>	O
45	0.23	<input type="checkbox"/>	C
45	0.82	<input type="checkbox"/>	C
45	1.26	<input type="checkbox"/>	Y
0	0.00	<input type="checkbox"/>	C
45	0.30	<input type="checkbox"/>	C

DIAMOND HOLE LOG
DIAMOND HOLE LOG

LOCATION Cassiar DIST U81-163 ELEV 613
 AZIMUTH 095.21° DIP INCLINATION -66.9° SECTION 22,200 N.
 ELEVATION 22208.75- DEPARTURE 24744.10 ELEVATION 5143.40
 STARTED 81/08/07 FINISHED 81/08/16 LOGGED by R. Savage
 DATE 10/81

FROM	TO	DEPTH	DESCRIPTION	VISUAL LOG
0	27	27	VOLCANICS - light grey, fine grained	
27	78	51	VOLCANICS & ARGILLITE - pyrite throughout the argillites - dominated with argillite - black to light grey - shear @ 68	
78	129	51	ALTERATION ZONE - light grey - @ 77 calcite with pyrite - bands of amorphous serpentite 1/8" to 1/2" wide @ 112' - pyrite @ 115 (may be assayed for precious metals)	
129	402		SERPENTINE - dark green, dark apple green @ 177-188 - shear zone @ 157; 287-402 - core washed away @ 157, 165, & 175 - bastites @ 220-285, lighter green	
402	505		SERPENTINE FIBROUS - grade picking up @ 408 - +1" - shear @ 486-487; 504-505	
505	519		SERPENTINE - shear @ 515-519	
519	613		FIBROUS SERPENTINE - dark to light green - shear zone @ 518-519; 534-552; 555-556; 612-613 - @ 613 rods stuck and left in the hole END OF HOLE	

BOREHOLE No. 81 / 163

From	To	Rec'd	1's	2's	3's	4's	5's	6's	8's	10's	12's	14's	16's	18+'s	Core/S	CCRG	
385	390	3.5	6												45	0.83	[]G
390	395	4.0	3	1	15										45	2.76	[]Y
395	400	4.5	3	6	10	2	6	3	9						45	5.73	[]P
400	405	3.5	9	11	3	11		13	11						45	8.41	[]R
405	410	4.5	6	6	6	9		7	9						45	5.88	[]P
410	415	5.0	7	3	5	2	5	9	4		12	14			45	8.91	[]R
415	420	4.0	9	8		13	4	19							45	7.37	[]R
420	425	5.0	11	9	8	8	5	15	8						45	9.35	[]R
425	430	5.0	7	9	3	10	3	9	4						45	6.48	[]P
430	435	4.5	8	6	3		3		18						45	5.49	[]P
435	440	5.0	11	8	8	4	3	6							45	5.74	[]P
440	445	5.0	13	13	17	10	8	12			6				45	11.50	[]R
445	450	5.0	11	10	14	10	11				6		8		45	10.17	[]R
450	455	4.0	6	1		8									45	2.12	[]Y
455	460	5.0	10	5	9	2	10	3			12				45	7.44	[]R
460	465	5.0	7	12	6	8	3		4	5					45	6.48	[]P
465	470	5.0	5	5	2	8					6		8		45	4.86	[]O
470	475	4.5	11	4	12	4	3	7	4						45	6.63	[]P
475	480	5.0	5		5	6	8	3		10					45	5.23	[]P
480	485	4.0	9		4	3	6						20		45	5.93	[]P
485	490	5.0	11	5	6	7	13	21	28	10	12				45	16.57	[]R
490	495	5.0	6	3			5	6							45	2.87	[]Y
495	500	4.5	11	2	6	4	9	3	13	6					45	7.78	[]R
500	505	4.5	3	8	6	4	11		4						45	5.32	[]P
505	510	4.5	1												45	0.17	[]G
510	515	4.5		3	2	7									45	1.71	[]Y
515	520	4.0	6	6	3										45	2.12	[]Y
520	525	4.0	5	5	10	3	10	11							45	6.26	[]P
525	530	4.5	3	8	2	4	3	3	13		7	8			45	7.44	[]R
530	535	4.5	6	3	3	4	6	13		11					45	6.87	[]P
535	540	3.0	3	5	5		17		7						45	5.40	[]P
540	545	2.5	6	6	6	8		24							45	7.37	[]R
545	550	2.5	8	8	10	12	6		16						45	8.54	[]R
550	555	2.0	10	23	23	5									45	8.84	[]R
555	560	4.0	6	10	3	5	4	8		6					45	5.90	[]P
560	565	4.0	8	3	8	10				6					45	4.04	[]O
565	570	5.0	6	6	8		3	3		10					45	5.08	[]P
570	575	5.0	10	8	3	6	3	9		10	6				45	3.03	[]R
575	580	4.0	8	4	6	3		3	10	6	8				45	6.32	[]P
580	585	4.0	6	15	14	5	10	4	10	6					45	10.13	[]R

535	590	5.0	6	6	9	2					45	3.38	<input type="checkbox"/>	O
590	595	2.5	8	10	16	8	6	6			45	7.51	<input type="checkbox"/>	R
595	600	5.0	11	4	2	10					45	3.90	<input type="checkbox"/>	O
600	605	4.5	6	2	3	11	6	3	4		45	5.15	<input type="checkbox"/>	P
605	610	2.0	3		5	10		8			45	3.51	<input type="checkbox"/>	O
610	615	1.5									0	0.00	<input type="checkbox"/>	G

CASSIAR ASBESTOS CORPORATION LIMITED

DIAMOND DRILL CORE GEOLOGY LOG

PROPERTY Cassiar HOLE U81-164 DEPTH 797
 AZIMUTH 95.11° INCLINATION -84.27° SECTION 22,200 N.
 LATITUDE 22209.12 DEPARTURE 24747.12 ELEVATION 5145.31
 STARTED Aug. FINISHED _____ LOGGED by R. Savage
 date _____

SCALE

FROM	TO	LENGTH ft.	DESCRIPTION	VISUAL LOG
0	5	5	VOLCANICS - grey and fine grained (pyrovine, olivine) - pyrite and argillite on joints	
5	12	7	ARGILLITE - grey to black - pyrite throughout	
12	13	1	VOLCANICS - grey and fine grained	
13	68	55	ARGILLITE - grey to black - pyrite throughout @ joints	
68	102	34	ALTERATION ZONE - light grey - quartz 69-70, talcy @ joints	
102	389	278	SERPENTINE - dark green - shear zone @ 135-136; 201-203; 220-242; 261-262; 276-280; 290-313; 359-362; 376-387 - few veinlets of fiber 1/16"	
380	585		FIBEROUS SERPENTINE - light to dark green - fibers 1/16" - shear @ 380-387; 454-457; 493-498 - badly broken 471-587	
585	797		FIBEROUS SERPENTINE - light to dark green - fibre throughout - shear @ 585-592; 640-641; 713-746; 795-797 - twisted of rods, unable to complete	
			END OF HOLE	

BOREHOLE No. 81 / 164

From	To	Rec'd	1's	2's	3's	4's	5's	6's	8's	10's	12's	14's	16's	18+'s	Core/s	CCRG	
380	385	3.5	4	7	4	3		9							45	3.89	<input type="checkbox"/> O
385	390	3.5	10	6	3										45	2.52	<input type="checkbox"/> Y
390	395	4.0	19	13	10	3		15							45	3.47	<input type="checkbox"/> R
395	400	4.0	10	1	3	3		11	15						45	6.08	<input type="checkbox"/> P
400	405	5.0	8	12	12	4		3	4						45	6.26	<input type="checkbox"/> P
405	410	4.5	4	10	2										45	2.38	<input type="checkbox"/> Y
410	415	3.0	10	17	15	7	8	10							45	3.81	<input type="checkbox"/> R
415	420	5.0	9	17	20	4	3	3	4						45	3.70	<input type="checkbox"/> R
420	425	5.0	11	5	2	6		3							45	3.83	<input type="checkbox"/> O
425	430	3.5	4	9		3		9	11						45	5.26	<input type="checkbox"/> P
430	435	4.0	3	10	6	5									45	4.14	<input type="checkbox"/> O
435	440	3.5	7	14	17										45	5.69	<input type="checkbox"/> P
440	445	3.5	10	4	3	6									45	3.15	<input type="checkbox"/> O
445	450	5.0	6	2	2										45	1.33	<input type="checkbox"/> Y
450	455	4.5	6	1	3										45	1.47	<input type="checkbox"/> Y
455	460	4.0	3	3				8							45	1.84	<input type="checkbox"/> Y
460	465	4.5	4	4	2	11	3	7							45	4.50	<input type="checkbox"/> O
465	470	4.5	11	6	6	2		7							45	4.43	<input type="checkbox"/> O
470	475	4.5	8	7	4		6	3	18						45	6.55	<input type="checkbox"/> P
475	480	4.5	3	6	3	7	3	7	9	6					45	6.96	<input type="checkbox"/> P
480	485	4.0	10	4	4	5	4	4		6	8				45	6.35	<input type="checkbox"/> P
485	490	4.5	3	8	9	2	3				7				45	5.90	<input type="checkbox"/> P
490	495	4.0	4	3	6	5					8				45	4.88	<input type="checkbox"/> O
495	500	2.5	4	2	4	4		6	16			9			45	5.01	<input type="checkbox"/> P
500	505	4.0	11	5	8	3	6	4	5	25		9			45	10.96	<input type="checkbox"/> R
505	510	3.5	3	4	7	3	7	9	11						45	6.31	<input type="checkbox"/> P
510	515	4.0	5	10	6	5	4	4	15						45	7.00	<input type="checkbox"/> R
515	520	4.5	12	1	3	2			4						45	3.44	<input type="checkbox"/> O
520	525	3.5	7	7	9	6		4							45	4.74	<input type="checkbox"/> O
525	530	4.0	8	10	11	8	6	4	5						45	7.55	<input type="checkbox"/> R
530	535	3.0	8	10	10	10	8	10							45	8.34	<input type="checkbox"/> R
535	540	4.0	4	5	4	5		8	5	6					45	5.53	<input type="checkbox"/> P
540	545	4.0	4	10	8	5		8	20						45	7.92	<input type="checkbox"/> R
545	550	5.0	2	6	6	4	5	13	12		6	7			45	9.73	<input type="checkbox"/> R
550	555	4.5	4	4	6	2		7			13				45	5.32	<input type="checkbox"/> P
555	560	2.5	2	2	6		6								45	2.06	<input type="checkbox"/> Y
560	565	4.0	4	4		5	13		5	6					45	5.35	<input type="checkbox"/> P
565	570	4.0	3	4	3	3		4	10						45	3.59	<input type="checkbox"/> O
570	575	3.0	5	3	3		5	5		25					45	6.51	<input type="checkbox"/> P
575	580	3.5	3	6	7	9		9	11						45	6.42	<input type="checkbox"/> P

580	585	3.5	3	3	7					14								45	3.79		O
585	590	1.5	10	7	17	7		10										45	6.63		P
590	595	4.0	8	5		3												45	2.21		Y
595	600	4.0	8	10	10	10	4	11	5			8						45	2.39		R
600	605	5.0	5	3	8	4	3	9			20							45	7.51		R
605	610	4.5	7	7	7	2	9	20	4		6	7						45	9.90		R
610	615	5.0	4	4	6	2		12	4		10	24					8	45	10.33		R
615	620	4.5	6	6	9	7	9	13	9									45	8.19		R
620	625	4.0	5	5	3	8	6											45	4.61		O
625	630	4.0	6	15	14	8		11	5									45	8.57		R
630	635	3.5	10	3	7			4	6									45	4.21		O
635	640	5.0	9	8	2	8	3											45	4.20		O
640	645	5.0	3	2		2	5	3	8									45	3.31		O
645	650	4.0	4	4	8	3	10	11			6	8	9					45	8.92		R
650	655	3.5	4	3	4	3	4	9	11				20	11				45	10.10		R
655	660	5.0	4	6	6	4	5	12	8		5		14					45	9.35		R
660	665	4.5	2	3	3	4	3											45	2.38		Y
665	670	4.5	4	9	7	11	6	10										45	6.79		P
670	675	4.0	5	10	11	10	6		5	25	15	18						45	15.47		R
675	680	4.5	4	7	7	11	3	17	9	17	7							45	11.79		R
680	685	4.0	4			10	10	4		13	15							45	7.92		R
685	690	4.0	8	6	14	13	19	8										45	9.57		R
690	695	4.5	3	2	7	9	11		9									45	5.97		P
695	700	4.5	6	9	9	2	11	13										45	7.23		R
700	705	4.0	6	9	3	8	16	23	20		8							45	13.17		R
705	710	3.0	2	2	3	17	8	5	13			12	13					45	10.80		R
710	715	3.0	5	3	5	3		10	20	8								45	9.94		R
715	720	1.5	3	3	7			10	20									45	5.64		P
720	725	1.5																0	0.00		G
725	730	3.5																0	0.00		G
730	735	3.0	8	7	5													45	2.81		Y
735	740	3.5	5	7	4			4										45	3.05		O
740	745	3.5	7	6	4	3	4	9										45	4.62		O
745	750	4.0	11	3	6		10		5									45	4.93		O
750	755	4.0	9	9	14	5	6	8	5									45	7.92		R
755	760	4.0	5	5	10	10		8	10									45	6.90		P
760	765	5.0	14	10	3	4		3	4									45	5.52		P
765	770	5.0	7	6		2	3											45	2.57		Y
770	775	3.0	5	7	14	6	3	3										45	5.37		P
775	780	5.0	7	5	11	2				8								45	4.72		O

780	785	5.0	7	1	2	2
735	790	4.5	7	3	6	2
790	795	4.5	4	3		
735	300	2.0				

45	1.70	<input type="checkbox"/>	Y
45	2.55	<input type="checkbox"/>	Y
45	1.05	<input type="checkbox"/>	Y
0	0.00	<input type="checkbox"/>	G

PROPERTY CASSIAR H4. U81-165 D. 1,486
 AZIMUTH 86.31 (19) INCLINATION -71.19(11) 22,200 N.
 LATITUDE 22,209.12 DEPTH 24,747.95 SPAN 5,144.70
 STARTED Sept. 2/81 FINISHED Sept. 23/81 LOGGED by R. Savage
 date Sept. 3/81

FROM	TO	LENGTH FT.	DESCRIPTION
7	19		VOLCANICS
			- gray to light green
			- pyrite from 7 to 13
			- fine grained
19	29		VOLCANICS/ARGILLITE
			- gray to black
			- pyrite throughout the argillite
20	24		VOLCANIC & ARGILLITE
			- contact along center of core
24	31		VOLCANICS
			- gray, fine grained
31	55		VOLCANICS/ARGILLITE
55	73		ARGILLITE .
			- black
			- pyrite throughout
73	92		ALTERATION ZONE
			- gray to light green, greasy feel
			- fine grained
			- quartz @ 78'
92	106		ALTERED SERPENTINE
			- dark green
			- pyrite throughout
			- soapy feeling
106	121		ALTERATION ZONE
			- light gray to light green
			- very fine grained

VISUAL LOG

CASSIAR AD. DIAMOND CORPORATION LIMITED
DIAMOND DRILL CORE GEOLOGY LOG

PROPERTY CASSIAR HOLE U81-165 DEPTH _____
 AZIMUTH _____ INCLINATION _____ SECTION 22,200 N.
 LATITUDE _____ DEPARTURE _____ ELEVATION _____
 STARTED Sept. 2/81 FINISHED Sept. 22/81 LOGGED by R. Savage
 date Sept. 3/81

SCALE _____

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
121	359		SERPENTINE	
			- dark green	
			- badly broken @ 131-136	
			- gouge @ 141-146, 231-261	
			- amorphous serpentine @ 208	
			- veinlets of fiber appearing @ 151 > 1/16"	
			- bastires 211-231	
			- fiber > 1/16" @ 219 on	
			- badly broken & sheared 282-328	
359	965		FIBROUS SERPENTINE	
			- apple to dark green	
			- shear @ 394-396, 409-410, 504-531, @ 589	
			- fiber > 1/4"	
			- > 1" @ 416, 437, 439	
			- magnetite throughout Sample @ 421'	
			- 504-551 badly broken & sheared 630-660, 792-803	
965	1237		SERPENTINE	
			- light to apple green	
			- major shear from 966-978, 985-1090, from HQ to NQ @ 976	
			- dark green from 1030	
			- major shear from 1105-	
1237			ALTERATION	
			- gray, very fine grained	
1237	1253		ALTERATION	
			- light gray	
			- very fine grained	
			- hematite coating on surfaces @ 1239.5	
			- should be sampled for gold	
			- galena? No distinct cubes, Arsenides? 1240.5-1243	
			- pyrite throughout this zone	

BOREHOLE No. 81 / 165

From	To	Rec'd	1's	2's	3's	4's	5's	6's	8's	10's	12's	14's	16's	18+'s	Core/S	CCRG	
355	360	4.5	1												45	0.17	G
360	365	5.0	7	16	5	6									45	4.94	O
365	370	4.0	11	14	21	8									45	7.82	R
370	375	5.0	5	11	9	12	5	9							45	7.44	R
375	380	4.5	10	10	9	18	3								45	7.11	R
380	385	5.0	10	10	8	8	3	6							45	6.41	P
385	390	4.5	11	1	3										45	2.21	Y
390	395	4.0	10	6	3	3									45	2.94	Y
395	400	4.0	8	15	18	3	4						20		45	9.57	R
400	405	5.0	8	7	8	6	13	9							45	7.30	R
405	410	4.5	7	7	7	4	3	7							45	4.99	O
410	415	4.5	11	17	12	7	9	10	13	6					45	12.20	R
415	420	5.0	6	7		6	3	12	12	5			15		45	9.73	R
420	425	5.0	5	4	3	4	3			5					45	3.39	O
425	430	4.5	9	10	19	7	17	7	4	6					45	11.30	R
430	435	4.5	8	7	6			10			7		9		45	6.63	P
435	440	5.0	4	13	9	12	3	3				14	16		45	10.76	R
440	445	4.5	2		2	2									45	0.89	G
445	450	4.0	5	5	6	5		4	10				20		45	8.19	R
450	455	4.5	4	2	6			3	4	6	7				45	4.58	O
455	460	4.5	4	2	3			3	18	6	7	8			45	7.54	R
460	465	4.5	7	3	9	2	6	10	4	11					45	8.26	R
465	470	5.0	6	7	3		3	12							45	4.50	O
470	475	4.5	9	3	7	4	3	7				8	9		45	7.28	R
475	480	5.0	9	12	14	6	5	3							45	7.07	R
480	485	4.5	9	4	6		6	17							45	5.90	P
485	490	4.5	13	4	10	4	6	7	4						45	7.13	R
490	495	5.0	8	8	9	12	3	6							45	6.63	P
495	500	4.5	7	9	7	20	14	17							45	10.65	R
500	505	4.5	9	12	10	11	9	13							45	9.33	R
505	510	4.0	9	8	3	3	6	8	10		8				45	7.45	R
510	515	4.0	5	4	4	3	10	19							45	6.26	P
515	520	4.0	1		3	3	4		5	6					45	2.94	Y
520	525	4.5	7	10	2	2		7	4	11					45	6.29	P
525	530	4.5	7	4	6	7	3	7							45	4.67	O
530	535	4.0	9	4	4		4	4	25	13					45	8.92	R
535	540	5.0	5	3	6		3	6	4	5	6	7			45	6.49	P
540	545	4.5	6	10	12	7		3			13				45	7.37	R
545	550	5.0	6	6	11	6									45	4.20	O
550	555	5.0	7	3	3		3	6	12						45	4.94	O

555	560	4.5	7	4	2	9	6	3	9	6									45	6.55		P
560	565	5.0	5	6	12	14	3		12										45	7.51		R
565	570	4.5	7	12	2				7	4									45	4.58		O
570	575	5.0	6	12	9	4													45	4.57		O
575	580	4.5	8	7	10	2			10										45	5.40		P
580	585	4.5	6	2		2	3	13	4										45	4.43		O
585	590	4.5	6	10	12	2	3	17											45	7.11		R
590	595	4.5	7	10	17	13	9	7	9										45	10.31		R
595	600	4.5	16	17	12	7	3												45	7.85		R
600	605	5.0	13	11	5	6		3	4	5									45	6.77		P
605	610	5.0	6	10	8	12	10												45	6.70		P
610	615	5.0	12	9	11	6	5	6											45	7.14		R
615	620	4.5	4	9	12	2	3												45	4.43		O
620	625	4.5	9	11	10	4													45	5.08		P
625	630	4.0	10	6	10	3	4												45	4.61		O
630	635	4.5	8	2	6		3	17	18	7									45	8.60		R
635	640	4.5	5	3	7	4	3	3											45	5.81		P
640	645	4.5	4	3	2	7	6	3	4										45	4.26		O
645	650	4.5	2	2	16	2	6		9										45	5.23		P
650	655	4.5	6	9	9	9	11	7											45	7.20		R
655	660	4.5	6	1	6	7													45	4.25		O
660	665	5.0	5	6	8	4	3	3											45	5.53		P
665	670	5.0	3	1	2	2	3	3											45	4.06		O
670	675	5.0	7	7	11	6	5	9											45	8.17		R
675	680	5.0	4	6	15	14	8	6	20	10									45	12.15		R
680	685	4.5	4	4	16	8	3	3											45	5.57		P
685	690	4.5	8	6	7	4	3	20	4	7									45	8.51		R
690	695	5.0	6	9	3	4	3	3											45	3.97		O
695	700	5.0	6	7	9	2	5	3											45	5.44		P
700	705	5.0	8	12	12					5									45	4.64		O
705	710	5.0	9	9	6	6		3											45	4.86		O
710	715	5.0	3	7															45	1.40		Y
715	720	5.0	5	10	8	6		6		5									45	5.74		P
720	725	5.0	5	7	8	4		3	4										45	4.50		O
725	730	4.5	11	8	12	7	3	10											45	7.37		R
730	735	1.5	13			13													45	3.63		O
735	740	4.5	6	3	6	4	9	3											45	4.43		O
740	745	4.2	1		2	7													45	1.50		Y
745	750	4.5	3		3														45	0.98		G
750	755	5.0	5	3	2	9													45	2.66		Y

755	760	5.0	8	4	2	6	3	9												45	4.50		IO
750	765	4.5	10	8	9	4	4	3	4											45	5.64		IP
765	770	5.0	9	2	3	2	3													45	2.73		Y
770	775	5.0	10	4																45	1.99		Y
775	780	4.5	2	2	3	4														45	1.73		Y
780	785	5.0	6	6	2	4			12	4										45	4.94		IO
785	790	5.0	2	2						4										45	1.10		Y
790	795	5.0	7	9		2	5	3		4										45	4.41		IO
795	800	4.5	7	8	6	7		17			6									45	7.13		IR
800	805	4.5	10	9	13	4	6	13	13											45	10.15		IR
805	810	5.0	7	4	5		8	3												45	3.83		IO
810	815	5.0	7	6	6			3												45	3.24		IO
815	820	5.0	8	6	8	4	8	9	4											45	6.70		P
820	825	5.0	12	6	5	4	8	6	16											45	8.17		IR
825	830	4.0	13	19	10	8	6	4												45	8.47		IR
830	835	3.0	7	5	13	3														45	3.93		IO
835	840	4.0	8	6		8	4	8	10											45	6.08		P
840	845	5.0	12	6	5	2	5	18	8											45	8.10		IR
845	850	5.0	7	5	3	12	5	6		5										45	6.26		P
850	855	4.5	6	8	3	2	6	10	4		7	16								45	9.01		IR
855	860	4.5	8	7	13	11				6	7									45	7.52		IR
860	865	5.0	4	4	9				4	15	6									45	5.97		P
865	870	4.5	10	2	2	4	9	3		11										45	6.05		P
870	875	4.5	6	9	12	9	6	13	9											45	9.16		IR
875	880	3.0	7	3	3	10	5		13	8	20	27								45	13.87		IR
880	885	4.5	8	8	9		6	7	4											45	5.90		P
885	890	4.5	2	4	7		6	3												45	3.20		IO
890	895	4.0	4	5	3	8	13	11	5			9								45	8.10		IR
895	900	4.5	6	12	13	13		10		7										23	6.79		P
900	905	4.5	8	4	2	4	9	3	9	11		8	9							45	9.81		IR
905	910	4.5	9	10	6		3	10												45	5.32		P
910	915	4.0	4	11	11	5	4	4	5	6	23									45	10.59		IR
915	920	4.5	10	7	2	7	6	3												45	4.91		IO
920	925	4.5	7	4	2	2	9		9	11										45	6.38		P
925	930	4.0	8	11	10		4	4												45	5.06		P
930	935	5.0	7	3	6		3		8		6	16								45	7.07		IR
935	940	4.5	9	3	3	4	3	10												45	4.84		IO
940	945	5.0	10	7		4	3	12		5										45	5.97		P
945	950	5.0	11	11	6	10														45	5.60		P
950	955	5.0	7	2	11	10	8	6	8	5		14								45	10.31		IR

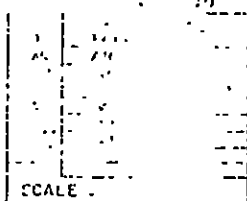
955	960	5.0	7	9	9	12	3	6	45	6.70		P
960	965	4.5	10	2	7	7			45	3.76		O
965	970	4.5	8	7	3	7		3	45	4.09		O
970	975	5.0	6	4	5				45	2.14		Y
975	980	5.0	4	1					45	0.66		G
980	985	4.5	7	2					45	1.23		Y
985	990	4.5							0	0.00		G
990	995	4.0	5	6	6				45	2.39		Y
995	1000	4.0	6	4		3	4	4	45	2.86		Y
1000	1005	4.0	10	13	15	10			45	7.00		R
1005	1010	5.0	2	6					45	1.17		Y
1010	1015	4.5	6	2					45	1.15		Y
1015	1020	4.0	3						45	0.37		G
1020	1025	5.0	5						45	0.74		G
1025	1030	5.0	4	2	3				45	1.33		Y
1030	1035	5.0	2		3				45	0.74		G
1035	1040	5.0	1		3				45	0.59		G
1040	1045	5.0	2		3				45	0.74		G
1045	1050	5.0							0	0.00		G
1050	1055	4.5							0	0.00		G
1055	1060	4.0							0	0.00		G
1060	1065	4.5	1	2					45	0.49		G
1065	1070	4.5							0	0.00		G
1070	1075	4.5							0	0.00		G
1075	1080	4.0	1						45	0.18		G
1080	1085	4.0							0	0.00		G
1085	1090	5.0							0	0.00		G
1090	1095	4.0							0	0.00		G
1095	1100	5.0							0	0.00		G
1100	1105	4.5							0	0.00		G
1105	1110	4.0							0	0.00		G
1110	1115	4.5							0	0.00		G
1115	1120	4.5							0	0.00		G
1120	1125	2.5							0	0.00		G
1125	1130	3.5							0	0.00		G
1130	1135	5.0							0	0.00		G
1135	1140	5.0							0	0.00		G
1140	1145	3.0							0	0.00		G
1145	1150	3.5							0	0.00		G
1150	1155	4.5							0	0.00		G

1155	1160	5.0	2	4					45	0.89		G
1160	1165	5.0							0	0.00		G
1165	1170	5.0	1						45	0.14		G
1170	1175	4.5							0	0.00		G
1175	1180	5.0	3						45	0.44		G
1180	1185	4.5	2						45	0.33		G
1185	1190	4.5	1	2					45	0.49		G
1190	1195	5.0	2	2					45	0.59		G
1195	1200	4.5	2						45	0.59		G
1200	1205	4.5	1						45	0.17		G
1205	1210	5.0							0	0.00		G
1210	1215	4.0	3						45	0.37		G
1215	1220	4.0	4	3	3	5			45	2.76		Y
1220	1225	4.0	5	5					45	1.47		Y
1225	1230	4.0	1	3		10			45	2.02		Y
1230	1235	5.0	5						45	0.74		G
1235	1240	5.0	1		3				45	0.59		G
1240	1245	4.5							0	0.00		G
1245	1250	4.5							0	0.00		G
1250	1255	4.5							0	0.00		G
1255	1260	4.5	1						45	0.17		G
1260	1265	4.5	2						45	0.33		G
1265	1270	4.0	1						23	0.08		G
1270	1275	4.0							0	0.00		G
1275	1280	4.0	1						45	0.18		G
1280	1285	4.0	3						45	0.37		G
1285	1290	4.5							0	0.00		G
1290	1295	5.0							0	0.00		G
1295	1300	5.0	1						45	0.14		G
1300	1305	5.0	1						45	0.14		G
1305	1310	4.5	3						45	0.49		G
1310	1315	4.5	4	4					45	1.32		Y
1315	1320	4.5	1		3				45	0.65		G
1320	1325	5.0	8	6					45	2.06		Y
1325	1330	5.0	3		3			6	45	2.94		Y
1330	1335	4.5	2					8	45	0.33		G
1335	1340	4.5							0	0.00		G
1340	1345	4.5	2						45	0.33		G
1345	1350	5.0			3				45	0.44		G
1350	1355	4.5	1	2					45	0.49		G

1355	1360	4.0								0	0.00		G
1360	1365	4.0								0	0.00		G
1365	1370	4.0	3							45	0.37		G
1370	1375	4.5		4	3	4				45	3.76		O
1375	1380	4.5	1	2						45	0.49		G
1380	1385	4.5	2							45	0.33		G
1385	1390	3.5	4							45	0.64		G
1390	1395	4.5	1	2						45	0.49		G
1395	1400	4.0								0	0.00		G
1400	1405	5.0								0	0.00		G
1405	1410	5.0								0	0.00		G
1410	1415	5.0	3							45	0.44		G
1415	1420	4.5	1							45	0.17		G
1420	1425	4.5								0	0.00		G
1425	1430	4.5	1	2	3					45	0.98		G
1430	1435	5.0	1							45	0.14		G
1435	1440	4.5								0	0.00		G
1440	1445	4.5	1							45	0.17		G
1445	1450	3.5								0	0.00		G
1450	1455	4.5	1							45	0.17		G
1455	1460	4.0								0	0.00		G
1460	1465	4.0								0	0.00		G
1465	1470	4.0								0	0.00		G
1470	1475	3.5								0	0.00		G
1475	1480	3.5								0	0.00		G
1480	1485	3.0								0	0.00		G
1485	1490	0.5								0	0.00		G

CASPER & MERIDIAN CORPORATION, LTD
DIAMOND DRILL CORE GEOLOGY LOG

PROPERTY CASSIAR HOLE U81-166 DEPTH 1196
 AZIMUTH 107 18 36 INCLINATION -86°56 33 SECTION 22,200 N.
 LATITUDE 22,209.41 DEPARTURE 24,746.26 ELEVATION 5144.63
 STARTED Sept. 24/81 FINISHED _____ LOGGED by R. Savage
 _____ date _____



FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
0	68		VOLCANICS/ARGILLITES - fine grained - light gray to black - some pyrite on joints	
68	99		ALTERATION - light gray to green - fine grained - talcy on joints & veinlets	
99	393		SERPENTINE - very dark green - shear @ 114-115, @ 149, 164-166, @ 193, 200-252 - talc carbonate @ 261-262 - sheared from 270-277, 280-309(Cougy), 328-333, 355-393	
393	856		FIBROUS SERPENTINE - dark to apple green - +1/2" @ 407 - shear @ 403.5-405, 418-421, 424-427, 452-457, 493-494, 503-504, 508-512, 525-536, 539-572, 658-679 - fiber grade down from 690 - bastites, magnetite - shear @ 735-776, 799-801, 809-811, 816.5-830, 842-856 - pyrite samples @ 1136	
856	1046		SERPENTINE - dark to light green - bastites & magnetite - some fiber - badly broken & sheared - rouge @ 878-880, 881-889, 896-900, 919-921, 966-1046 - changed from HQ to BQ @ 996	

BOREHOLE No. 81 / 166

From	To	Rec'd	1's	2's	3's	4's	5's	6's	8's	10's	12's	14's	16's	18+'s	Core/S	CCRG
360	365	4.5	6	4	3			3							45	2.29 Y
365	370	4.5	13	10	9										45	4.67 O
370	375	4.5	6	8	3										45	2.38 Y
375	380	4.5	7	2											45	1.23 Y
380	385	4.5	7	10											45	2.38 Y
385	390	4.5	7	5	10	2									45	3.52 O
390	395	4.5	7	16	6	7	6	3							45	6.31 P
395	400	5.0	6	3	2	2	3								45	2.14 Y
400	405	5.0	7	3	3	2	3	6							45	3.46 O
405	410	5.0	8	7		4	3	3		20					45	6.48 P
410	415	4.5	8	8	10	9	6		9						45	7.11 R
415	420	5.0	6	8	11	8	3	18							45	7.81 R
420	425	5.0	3	7	11	10		15	4						45	7.30 R
425	430	5.0	12	10	8	6	3	3							45	5.97 P
430	435	5.0	15	6	3	2	13	9	4	5	6				45	9.14 R
435	440	5.0	10	8	5	4									45	3.83 O
440	445	4.5	6	3		4									45	1.97 Y
445	450	4.5	8	11	6	13	6	7							45	7.20 R
450	455	5.0	12	10	8	4		6							45	5.81 P
455	460	5.0	17	10	18	4	3	6	4						45	8.98 R
460	465	5.0	8	5	11	12	3	9							45	6.93 P
465	470	5.0	7	6	11	6	13	3							45	6.63 P
470	475	5.0	9	8	11	2	5	12							45	6.84 P
475	480	5.0	10	7	14	8	13	21	8	5	18				45	15.10 R
480	485	4.5	9	7	10	4		10	9						45	7.11 R
485	490	4.5	12	9	12	13	6		4						45	8.19 R
490	495	4.5	3	2	2	11	9	7							45	4.84 O
495	500	4.5	6	6	6	9	3	13		11	13	8	9		45	12.03 R
500	505	5.0	9	3	5	12	10	12			6				45	8.33 R
505	510	4.5	6	7	6	7		3	13	17	7				45	9.40 R
510	515	5.0	7	4	2	6	5	3							45	3.83 O
515	520	4.5	6	8	8	13	6	3	9	6					45	8.02 R
520	525	4.5	7	8	9	7	8	3							45	5.64 P
525	530	5.0	4	8	9	10	5	3							45	5.37 P
530	535	4.5	6	8	20	11	3	13	13						45	10.89 R
535	540	4.5	3	7	9			3	4						45	6.87 P
540	545	4.5	7	10	3	2	8	3					8	9	45	4.50 O
545	550	3.0	5	2	3	3		5	7						45	3.44 O
550	555	4.0	5	9	4	13	10	8	10	6					45	9.29 R
555	560	5.0	7	7	2	2	3	9	8						45	5.46 P

560	565	5.0	3	2	5	6		6	4				45	3.76		IO
565	570	5.0	7	2				3	12	10		8	45	6.12		P
570	575	5.0	6	5	6	8	3	9					45	5.30		P
575	580	5.0	11	12		4	8	9					45	6.34		P
580	585	5.0	7	10	5	6	5	3	4	10	6		45	6.17		R
585	590	5.0	9	11	5	8	13	15	8				45	9.94		R
590	595	5.0	7	9	6	6	3	3		15			45	7.14		R
595	600	5.0	12	6	8	10		18		5		7	45	9.57		R
600	605	5.0	6	5	5	2							45	2.57		Y
605	610	5.0	4	3	5								45	1.70		Y
610	615	5.0	2	1	2	2							45	0.96		G
615	620	5.0	7	5	5	10	5	9				7	45	7.00		R
620	625	5.0	4	4	9		3		4				45	3.38		O
625	630	5.0	4	5			5	12					45	3.75		O
630	635	5.0	4	5	9	3		6			12		45	6.41		P
635	640	5.0	8	7	14	4	5	21	12				45	10.31		R
640	645	5.0	6	7	5	4	3	6	12				45	6.12		P
645	650	4.5	9	7	2	2		7					45	3.85		O
650	655	5.0	5	7	6	2	3						45	3.24		O
655	660	5.0	1					3	4				45	1.10		Y
660	665	4.5	4	4	12	4							45	3.59		O
665	670	4.5	6	7	6	7	6		4				45	4.99		O
670	675	5.0	4	5	8								45	2.36		Y
675	680	5.0	3	4	14	2	3						45	4.57		O
680	685	5.0	7	9	9	6	8						45	5.00		P
685	690	4.5	8	10	2		3	3					45	4.26		O
690	695	5.0	9	2	3		5						45	2.73		Y
695	700	5.0	4		3								45	0.96		G
700	705	5.0	8	5	3	4	5		3				45	4.78		O
705	710	5.0	5	7	3								45	2.21		Y
710	715	5.0	8	7	3	2	3		8				45	4.50		O
715	720	5.0	4	5	14								45	3.24		O
720	725	4.5	5	3	19	11							45	5.57		P
725	730	5.0	15	4	5	2	5						45	4.04		O
730	735	5.0	6	2	3	18	15						45	7.14		R
735	740	4.5	7	6	10		3	3					45	4.17		J
740	745	4.5	4	1									45	0.74		;
745	750	5.0	2		3								45	1.74		;
750	755	4.5	4	1	2								45	1.06		;
755	760	5.0	3										45	1.10		Y

760	765	5.0	2						45	0.30	I	IG
765	770	5.0	3						45	0.37	I	IG
770	775	5.0	9	1	3				45	1.91	I	Y
775	780	5.0	2	4	5	2	8		45	2.87	I	Y
780	785	5.0	10	9	8	6	5		45	5.52	I	IP
785	790	5.0	9	7	3				45	2.80	I	Y
790	795	4.5	4	6	2				45	1.71	I	Y
795	800	4.0	6	3					45	1.20	I	Y
800	805	5.0	8	5	3				45	1.98	I	Y
805	810	5.0	10	2					45	1.77	I	Y
810	815	4.5	3						45	0.41	I	IG
815	820	4.5	2	1					45	0.49	I	IG
820	825	5.0	4	1					45	0.74	I	IG
825	830	5.0	1						45	0.07	I	IG
830	835	5.0	4	3	2				45	1.26	I	Y
835	840	4.5	3	1					45	0.57	I	IG
840	845	5.0	5	7	2				45	1.99	I	Y
845	850	4.5	2						45	0.33	I	IG
850	855	4.5	6	8	6		6		45	3.52	I	IO
855	860	5.0	6	3	2		5		45	2.21	I	Y
860	865	5.0	6	2	3	4			45	2.14	I	Y
865	870	4.5	2		3		6		45	1.56	I	Y
870	875	4.5	3	4					45	1.15	I	Y
875	880	5.0							0	0.00	I	IG
880	885	5.0	1	1	3	4			45	1.26	I	Y
885	890	5.0	5	2					45	0.96	I	IG
890	895	5.0	5	1	2				45	1.10	I	Y
895	900	5.0	2	2					45	0.59	I	IG
900	905	5.0	3	4	3				45	1.40	I	Y
905	910	5.0	1	2					45	0.44	I	IG
910	915	4.5	3						45	0.41	I	IG
915	920	4.5	7	1					45	1.06	I	Y
920	925	4.5	7	5	6				45	2.12	I	Y
925	930	5.0	5	2	3				45	1.47	I	Y
930	935	5.0	0	2		2	3		45	1.84	I	Y
935	940	5.0	1	5	4	4			45	1.40	I	Y
940	945	4.5	4	7	7	9	3	4	45	4.99	I	IO
945	950	5.0	1	1	5				45	0.96	I	IG
950	955	5.0	2	2					45	0.52	I	IG
955	960	5.0							0	0.00	I	IG

960	965	5.0	3					45	0.37	<input type="checkbox"/>	IG
965	970	4.5	6		3			45	1.23	<input type="checkbox"/>	Y
970	975	5.0	2		2	2	5	45	1.47	<input type="checkbox"/>	Y
975	930	5.0	6					45	0.89	<input type="checkbox"/>	IG
930	935	4.5	3					45	0.41	<input type="checkbox"/>	IG
935	990	4.5						0	0.00	<input type="checkbox"/>	IG
990	995	4.5						0	0.00	<input type="checkbox"/>	IG
995	1000	3.0	3	2		10		45	2.21	<input type="checkbox"/>	Y
1000	1005	4.5	6	2		3		45	1.56	<input type="checkbox"/>	Y
1005	1010	4.5	1	2				45	0.49	<input type="checkbox"/>	IG
1010	1015	5.0	5	1		8		45	1.91	<input type="checkbox"/>	Y
1015	1020	5.0	2	2				45	0.59	<input type="checkbox"/>	IG
1020	1025	4.5						0	0.00	<input type="checkbox"/>	IG
1025	1030	5.0	1	2				45	0.44	<input type="checkbox"/>	IG
1030	1035	5.0						0	0.00	<input type="checkbox"/>	IG
1035	1040	5.0	2					45	0.30	<input type="checkbox"/>	IG
1040	1045	5.0	1	1				45	0.23	<input type="checkbox"/>	IG
1045	1050	5.0	1			2		23	0.23	<input type="checkbox"/>	IG

CASSIAR ASBESTOS CORPORATION LIMITED

FORM DD-3

DIAMOND DRILL CORE GEOLOGY LOG

PROPERTY Cassiar HOLE U81-167 DEPTH 355
 AZIMUTH 91.13° INCLINATION -57.48 SECTION 22,400 N.
 LATITUDE 22,400.04 DEPARTURE 24,690.05 ELEVATION 5144.33
 STARTED Oct. 10/81 FINISHED Oct. 15/81 LOGGED by R. Savage
 date Oct. 13/81

LEGEND	
T	TRENCH
AM	ARGONITE
AN	ANATASE
AS	ASBESTOS
V	VEIN
S	SPLIT
///	SHALE

SCALE

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
6		136	SERPENTINE	
			- dark green	
			- some talc on surface joints	
			- bastites throughout	
			- extremely fined grained	
			- sheared @ 25-28; 43-60; 90-91.5; 95-98;	
			- veinlets of fiber from 120 on <1/16"	
			- pyrite on joints @ 6.5 ft.: 93; 113.5; 121.5;	
			- gouge 42.5-43	
			- sample from 113.5	
136		355	SERPENTINE	
			- dark green to apple green (from 210')	
			- amorphous Serp. @ 141	
			- bastites throughout <1/16"	
			- veinlets throughout	
			- talcy on joints	
			- sheared @ 138-141; 321-355	
			- gouged @ 169-171; 227-310; 322-326; 328-334; 336-339;	
			343-344.5	
			END OF HOLE	

BOREHOLE No. 81 / 167

From	To	Rec'd	1's	2's	3's	4's	5's	6's	8's	10's	12's	14's	16's	18+'s	Core/S	GRG	
200	205	5.0	1												45	0.07	G
205	210	4.5	3												45	0.41	G
210	215	5.0	2												45	0.30	G
215	220	5.0	5	1											45	0.41	G
220	225	5.0	2	2	2										45	0.74	G
225	230	5.0													0	0.00	G
230	235	4.5													0	0.00	G
235	240	5.0													0	0.00	G
240	245	4.5													0	0.00	G
245	250	5.0	1												0	0.00	G
250	255	5.0	2	1											45	0.07	G
255	260	4.5	1	1											45	0.37	G
260	265	5.0	4	1											45	0.33	G
265	270	5.0	7	4	3		3								45	0.66	G
270	275	4.5	3	3	2	2									45	2.36	Y
275	280	3.5	1												45	1.56	Y
280	285	5.0	1												23	0.08	G
285	290	4.5	2		2										45	0.07	G
290	295	5.0	3	1											45	0.49	G
295	300	5.0	1	2	8	2									45	0.52	G
300	305	4.5	1	1											45	1.84	Y
305	310	5.0	2	1											45	0.33	G
310	315	5.0	3	3	5	2									45	0.44	G
315	320	5.0	1												45	1.77	Y
320	325	5.0	2	2											45	0.14	G
325	330	5.0	1												45	0.44	G
330	335	4.5	2												45	0.14	G
335	340	4.5													45	0.25	G
340	345	4.0													0	0.00	G
345	350	4.0													0	0.00	G
350	355	2.0													0	0.00	G
355	360	1.5													0	0.00	G

CASSIAR ASBESTOS CORPORATION LIMITED
DIAMOND DRILL CORE GEOLOGY LOG

FORM 11-5

PROPERTY CASSIAR HOLE U81-168 DEPTH 1276
 AZIMUTH 91.13 INCLINATION -54 SECTION 22,400 N
 LATITUDE 22,400.04 DEPARTURE 24,690.05 ELEVATION _____
 STARTED Oct. 19/81 FINISHED Nov. 11/81 LOGGED by R. Savage
 date _____

LEGEND	
Y	OVERSAMPLING
AR	ALTERNATE
AL	ALTERNATE
CS	CHISEL POINT
V	VEIN
S	SPALL
ZZZZ	DRILLING
SCALE _____	

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
02	236	236	SERPENTINE	
			- very dark green	
			- talcy on joints	
			- banded with calcite 27-29	
			- gouged, 50-60, 83.5-85	
			- sheared, 60-70, 116-159, 178,199,227-230	
			- fiber + 1/16"(1)	
236	383	147	SERPENTINE.	
			- light to dark green	
			- talcy on joints and gouge on some	
			- fiber veins at random	
			- sheared @ 236-251, 260-261, 240-327, 292-379	
			- gouge @ 263	
			- calcite @ 308	
383	897	514	FIBROUS SERPENTINE	
			- apple green	
			- bastites throughout	
			- talcy on joints	
			- very good fiber throughout	
			- sheared @ 387-406, 465-470, 479-481, 486-488, 501-542,	
			630-650, 682-696, 700-706	
			- magnetite on fiber seams	
			- gouge @ 721, 859, 862, 892-897	
			- changed to NQ @ 862'	
897	1015	118	FIBROUS SERPENTINE	
			- light to dark green	
			- magnetite throughout and bastites	
			- talc on joints	
			- good fibers	
			- amorphous serpentite @ 957.5	
			- sheared @ 994-1001, 1004-1021	

CASSIAR ASBESTOS CORPORATION LIMITED

DIAMOND DRILL CORE GEOLOGY LOG

PROPERTY	CASSIAR	HOLE	U81-168	DEPTH	1,276
AZIMUTH	91.13	INCLINATION	-54	SECTION	22,400 N.
LATITUDE	22400.04	DEPARTURE	24690.05	ELEVATION	5144.33
STARTED	Oct. 19/81	FINISHED	Nov. 4/81	LOGGED	by R. Savage date

SCALE

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
1015	1276		SERPENTINE	
			- light to dark green	
			- talc on joints, magnetite throughout	
			- sheared from 1048-1101, 1114-1117, 1129-1121	
			- changed from NQ to BQ @ 1081 ft.	
			- sheared 1159-1161, 1191-1276	
			END OF HOLE	

BOREHOLE NO. 81 / 168

From	To	Rec'd	1's	2's	3's	4's	5's	6's	8's	10's	12's	14's	16's	18+'s	Core/S	CCRG	
380	385	5.0	7	3	3										45	1.84	Y
385	390	4.5	2	6	7	4	14	7	4						45	6.39	P
390	395	2.0	10	5	5	15		15							45	7.18	R
395	400	4.0	9	5	4	5	4	4							45	4.51	O
400	405	5.0	7	13	8	6	8	3							45	6.41	P
405	410	5.0	6	14	11	4	3	12	4		6				45	8.70	R
410	415	5.0	7	10	2	12	8	18		5					45	8.93	R
415	420	4.5	2	8	7	2	9	3							45	4.50	O
420	425	5.0	12	5	12	4		3	4						45	5.90	P
425	430	5.0	7	8	8	2	8	3							45	5.15	P
430	435	5.0	11	9	21	9	5	15	4	5					45	11.57	R
435	440	4.5	7	11	13	11	6	17	13						45	11.46	R
440	445	4.5	8	12	9	9	9	10	13	11	7				45	12.69	R
445	450	4.5	8	12	9	4	14	13	13						45	10.72	R
450	455	5.0	5	6	5	2	5		4	10					45	5.30	P
455	460	5.0	9	19	14	14	10	3							45	10.10	R
460	465	4.5	9	20	10	18	3	7	4						45	10.31	R
465	470	5.0	6	13	12	12	23	24	4						45	13.70	R
470	475	4.5	9	21	22	18	14	20	9	6					45	17.27	R
475	480	4.5	20	11	12	13	11	17	31	22	7	8			45	22.34	R
480	485	4.5	13	6	16	13	6	7	9						45	10.07	R
485	490	5.0	10	14	6	2	8	6			6				45	7.52	R
490	495	4.5	10	19	7	13	3	7		6					45	9.33	R
495	500	4.5	12	6	6	2	6	7	4						45	6.05	P
500	505	5.0	10	7	21	6	15				12				45	10.47	R
505	510	5.0	15	9	11	8	3	6							45	7.51	R
510	515	5.0	7	13	11	2	8		4	5					45	7.21	R
515	520	5.0	11	14	21	8	10	6	4						45	10.33	R
520	525	5.0	10	10	6		3	6	4	5					45	6.41	P
525	530	4.5	7	10	13	13	11	7	18						45	11.62	R
530	535	4.5	7	4	19	2	11		9						45	7.61	R
535	540	5.0	4	2	8		3								45	2.29	Y
540	545	5.0	11	10	5	12	8								45	6.56	P
545	550	4.5	11	12	12	2	9	17							45	9.09	R
550	555	5.0	13	7	9	14	3	12	4		12				45	10.83	R
555	560	5.0	9	8	5	8	5								45	5.01	P
560	565	5.0	9	6	5										45	2.87	Y
565	570	4.5	9	14	9	9		3		11					45	8.10	R
570	575	5.0	10	5	3			3							45	3.10	O
575	580	5.0	8	8	14	10	8	9							45	8.26	R

580	585	5.0	12	8	6	12	5	3		5								45	7.51		R
585	590	5.0	9	5	5	6	15	19	12	10								45	11.85		R
590	595	5.0	14	14	12	12	8	15	16									45	13.34		R
595	600	5.0	7	9	6	6	5					6	7					45	6.70		P
600	605	5.0	11	12	12	12	10	6										45	9.28		R
605	610	5.0	10	6	9	2	8	9										45	6.34		P
610	615	4.5	13	11	7	13	11	7	13	6	20							45	14.81		R
615	620	5.0	7	10	9	6	5	21	4	5								45	9.80		R
620	625	5.0	14	14	14	8	3	3	4									45	8.63		R
625	630	4.5	8	4	9	4	9	3	4									45	6.05		P
630	635	5.0	7	6	3	8	10	6		5								45	6.56		P
635	640	5.0	6	4	6	4	3	3										45	3.75		O
640	645	5.0	3	5	8	8	8	3										45	5.01		P
645	650	5.0	6	7	5	6	5	3	4									45	5.23		P
650	655	4.5	10	18	19	7	9											45	8.92		R
655	660	5.0	6	7	5	4	5	3										45	4.36		O
660	665	5.0	1	2														45	0.44		G
665	670	5.0	9	5	3	8	5											45	4.34		O
670	675	5.0	6	12	5		10	3										45	5.15		P
675	680	4.5	7	3		2	9											45	3.03		O
680	685	5.0	5	3	3	4												45	2.21		Y
685	690	5.0	7	8	8	6	8	12										45	7.07		R
690	695	5.0	12	21	12	4												45	7.14		R
695	700	5.0	6	8	12	12	5	3	4									45	7.30		R
700	705	5.0	10	6		6	3											45	3.54		O
705	710	5.0	3	5	3													45	2.36		Y
710	715	5.0	2	2	5	4	13											45	3.69		O
715	720	5.0	7	8	15	4												45	4.94		O
720	725	5.0	8	3	15	8												45	4.94		O
725	730	5.0	5	12	23	10	3	9	4	5								45	11.41		R
730	735	5.0	14	13	15	10	5											45	8.32		R
735	740	5.0	11	13	20	10												45	7.88		R
740	745	5.0	7	11	15	12	5	6										45	3.24		R
745	750	5.0	4	5	8	8												45	4.24		Y
750	755	4.5	6	4	7	7												45	3.44		Y
755	760	5.0	5		9	6	5											45	2.80		Y
760	765	5.0	3	6	21	6	3		12									45	8.10		R
765	770	5.0	4	6	8	10	3											45	6.41		P
770	775	5.0	12	7	11	3												45	5.44		P
775	780	5.0	11	11	3	10	13	9	4									45	9.57		R

780	785	5.0	12	15	3	2	3	18	8				45	8.91		R
735	790	5.0	7	13	2	4	5	6					45	5.37		P
790	795	5.0	10	2	6	2	5						45	3.61		O
795	800	5.0	6	5	2								45	1.77		Y
800	805	4.5	9	3	2	13	6		9				45	6.14		P
805	810	4.5	8	10	2	9							45	4.09		O
810	815	5.0	12	3	2	12	3	3					45	6.48		P
815	820	5.0	5	1	3				4	5			45	2.80		Y
820	825	5.0	11	5	17	4	10	6	8				45	3.34		R
825	830	5.0	10	2			5						45	2.50		Y
830	835	5.0	3	3	8	2	8	6					45	5.90		P
835	840	5.0	11	10	3	4							45	4.04		O
840	845	4.5	11	10	16	7	11						45	7.36		R
845	850	5.0	5	10	12								45	3.90		O
850	855	5.0	6	3	12								45	3.01		O
855	860	4.0	3	1	14	3		8		6	8		45	5.93		P
860	865	4.0	5	8	4	5	6						45	4.04		O
865	870	5.0	3	7	12	8	3	3	8				45	6.41		P
870	875	5.0	6	4	8	4		6					45	4.06		O
875	880	5.0	4	2	5	12	15			6	7		45	7.44		R
880	885	5.0	11	10	11	2	8	3					45	6.48		P
885	890	5.0	7	11	23	4							45	6.43		P
890	895	5.0	10	3	9		3	9					45	4.94		O
895	900	5.0	6	10	5	6	5			10			45	6.04		P
900	905	4.0	11	9	3	5							45	3.96		O
905	910	5.0	9	3	3	2	5	9					45	5.23		P
910	915	5.0	11	3	17	12	3						45	6.63		P
915	920	5.0	13	9	9								45	4.57		O
920	925	5.0	5	3	8	2	5	12					45	5.15		P
925	930	4.5	5	3	2	4							45	2.21		Y
930	935	5.0	7	10	5								45	3.17		O
935	940	5.0	9	8	6	6	3	3					45	5.08		P
940	945	5.0	4	7	9	4	3	3					45	4.34		O
945	950	5.0	5	4	3	4							45	2.23		Y
950	955	5.0	10	8	5	4	5	5		5			45	6.19		P
955	960	5.0	7	7									45	1.93		Y
960	965	5.0	12	13	2	2		3		5			45	5.30		P
965	970	5.0	9	5	2	4		9					45	4.20		O
970	975	5.0	9	7	8	8	10						45	6.11		P
975	980	4.5	13	11	6	4		10					45	6.46		P

980	985	5.0	14	8			3	9				45	4.86	I	IO
985	990	5.0	3	9	8	4	3	12				45	6.26	I	P
990	995	5.0	7	4	9	8		6			5	45	5.67	I	P
995	1000	5.0	6	4	3	8	5		8	10		45	6.48	I	P
1000	1005	4.5	8	13	13	7	9	17	9			45	11.62	I	R
1005	1010	5.0	9	4	6	2	3					45	3.39	I	IO
1010	1015	5.0	7	8	8	2						45	3.54	I	IO
1015	1020	5.0	3	1	2							45	0.81	I	G
1020	1025	5.0	9	6	6	2						45	3.32	I	IO
1025	1030	5.0	11	4	2	4	3					45	3.31	I	IO
1030	1035	5.0	7	9	9	4						45	4.27	I	IO
1035	1040	5.0	3	1	5	2				4		45	2.14	I	Y
1040	1045	5.0	5	7	8	6		6	4			45	5.23	I	P
1045	1050	5.0	9	1	11	4						45	3.54	I	IO
1050	1055	5.0	6	2	3	10						45	3.03	I	IO
1055	1060	5.0	4	3	3							45	1.40	I	Y
1060	1065	5.0	4	3	5							45	1.70	I	Y
1065	1070	5.0	4	1	2							45	0.89	I	G
1070	1075	5.0	6	2								45	1.10	I	Y
1075	1080	2.0										0	0.00	I	G
1080	1085	2.5										0	0.00	I	G
1085	1090	3.5										0	0.00	I	G
1090	1095	4.5	1									45	0.08	I	G
1095	1100	3.0	2									45	0.24	I	G
1100	1105	4.0	1									23	0.08	I	G
1105	1110	5.0	2									45	0.30	I	G
1110	1115	4.5										0	0.00	I	G
1115	1120	4.5										0	0.00	I	G
1120	1125	5.0	1									45	0.14	I	G
1125	1130	5.0	2									45	0.30	I	G
1130	1135	5.0	6	2								45	1.10	I	Y
1135	1140	5.0	2	2								45	0.52	I	G
1140	1145	5.0	3									45	0.44	I	G
1145	1150	5.0	2									45	0.30	I	G
1150	1155	5.0	3									45	0.37	I	G
1155	1160	5.0										0	0.00	I	G
1160	1165	5.0										0	0.00	I	G
1165	1170	5.0	4	2								45	0.89	I	G
1170	1175	5.0	4	2								45	0.81	I	G
1175	1180	5.0										0	0.00	I	G

CASSIAR ASBESTOS CORPORATION LIMITED
DIAMOND DRILL CORE GEOLOGY LOG

FORM 10-4

PROPERTY Cassiar HOLE V81 - 169 DEPTH 234
 AZIMUTH 88.4° INCLINATION -70.53° SECTION 22,400 N.
 LATITUDE 22,399.26 DEPARTURE 24,687.11 ELEVATION 5143.08
 STARTED Nov. 6/81 FINISHED _____ LOGGED by R. Savage
 date Nov./81

COR	INT	LAT	ELEV	PROP	SECTION	HOLE	DEPTH	AZIMUTH	INCLINATION	STARTED	FINISHED	LOGGED	DATE

FROM	TO	LENGTH FT.	DESCRIPTION	VISUAL LOG
2	234		SERPENTINE	
			- dark green and light green @ 104	
			- bastites throughout	
			- Talcy on joints	
			- sheated @ 30-60; 73-74; 76-84; 105-119; 122-234	
			END OF HOLE (LOST HOLE DUE TO BAD GROUND)	

COLUMBIAN INDIAN SERVICES COMPANY LIMITED
DIAMOND DRILL CORE GEOLOGY LOG

FORM 10

PROPERTY CASSIAR HOLE UB1-170 DEPTH _____
AZIMUTH _____ DIP SLANT _____ SECTION 22,400 N.
LATITUDE _____ DEPARTURE _____ ELEVATION _____
STARTED Nov. 17/81 FINISHED Nov. 28/91 LOGGED by R. SAVAGE
date NOV

SCALE _____
CORRECTION _____

FROM	TO	LENGTH Fl.	DESCRIPTION	VISUAL LOG
1465	1479		ALTERATION ZONE	
			- whitish to light gray	
			- fine grained	
			- sheared & gouged 1465-1470	
1479	1489		ARGILLITE	
			- black	
			- pwrite throughout	
1489	1491		ALTERATION ZONE	
			- whitish to light green	
			- fine grained	
			END OF HOLE	

BOREHOLE No. 81 / 170

From	To	Rec'd	1's	2's	3's	4's	5's	6's	8's	10's	12's	14's	16's	18+'s	Core/S	CCRG	
245	250	3.0	2			5									45	0.86	IG
250	255	5.0	4	3											45	1.03	Y
255	260	5.0	7	3	3										45	1.84	Y
260	265	5.0	5	2											45	1.03	Y
265	270	5.0	2	1	3										45	0.89	IG
270	275	3.0	3		5										45	1.10	Y
275	280	4.5	2	1	2										45	0.65	IG
280	285	4.5	1			4									45	0.82	IG
285	290	5.0	2	3											45	0.66	IG
290	295	5.0	2												45	0.30	IG
295	300	5.0	2												45	0.30	IG
300	305	4.0	3	1	3										45	0.74	IG
305	310	5.0	3	2											45	0.66	IG
310	315	5.0	2	2	3										45	1.03	Y
315	320	4.5	1												45	0.17	IG
320	325	5.0	5												45	0.66	IG
325	330	4.5	1												45	0.17	IG
330	335	5.0	1												45	0.14	IG
335	340	5.0	2	2											45	0.51	IG
340	345	4.5	13	12	16	4	3								45	6.96	P
345	350	5.0	10	6	5	2		3	8						45	4.86	O
350	355	5.0	13	14	12	24	18		8						45	13.70	R
355	360	4.5	16	8	12	9	20	10	13						45	12.69	R
360	365	4.5	12	16	16	11	9	7	9						45	11.46	R
365	370	5.0	7	7	8	8	13	6		10					45	8.47	R
370	375	5.0	16	12	26	12	25	6	8	5					45	16.14	R
375	380	5.0	14	15	11	10	13		16						45	11.48	R
380	385	5.0	7	6	5	10	3	15	12	20					45	11.27	R
385	390	5.0	6	17	2	4	5	3	12						45	7.14	R
390	395	5.0	7	7	17	14	13	15	12	20					45	16.07	R
395	400	5.0	9	9	8	18	10	3	12	5	12				45	12.60	R
400	405	4.0	11	11	15	20	16	11							45	12.43	R
405	410	5.0	11	13	3	14	8	12							45	10.45	R
410	415	5.0	3	9	9	2	3	6							45	5.30	P
415	420	4.5	12	4	9			7							45	4.67	O
420	425	5.0	7	4	5	10	10	9							45	6.48	P
425	430	4.5	4	10	17	2	11	7	4						45	8.19	R
430	435	4.5	8	9	12	2	14	3		6					45	7.85	R
435	440	5.0	6	7	6	2	5	6		10					45	6.11	P
440	445	5.0	4	2	3	6	5	12	8	15					45	3.10	R

445	450	5.0	7	4	5	2	5	6	4					45	4.71	I	IO
450	455	5.0	5	1	17	4	3	3	8	15	6		11	45	10.54	I	IR
455	460	5.0	5	3	2	2								45	1.53	I	Y
460	465	5.0	7	6	6	10	10							45	5.97	I	P
465	470	5.0	1	2				3	16	10				45	4.71	I	IO
470	475	4.5	2	3	3	2	3							45	1.97	I	Y
475	480	5.0	7	6	8	4	5	3	4	5				45	6.11	I	P
480	485	5.0	5	5	9	6		12	8					45	6.49	I	P
485	490	5.0	6	6	5	6	3	6	16	5				45	7.58	I	IR
490	495	4.0	4	8	10	10	10	8	5			18		45	10.22	I	IR
495	500	5.0	2	4	8	6			4					45	3.39	I	IO
500	505	5.0	4	9	12	10	8	6	8					45	8.32	I	IR
505	510	5.0	8	6	11	6	3	3	4	15				45	8.10	I	IR
510	515	5.0	10	8	12	12	5		12	10				45	10.17	I	IR
515	520	5.0	8	5	12	8	3	12						45	7.00	I	IR
520	525	5.0	8	13	6	2	3	3						45	5.08	I	P
525	530	4.5	4	3	9	7	6	10						45	5.56	I	P
530	535	5.0	11	10	5	8	3	3				14		45	7.74	I	IR
535	540	5.0	13	6	11	10								45	5.74	I	P
540	545	5.0	9	6	11	6	5							45	5.37	I	P
545	550	5.0	10	11	8	6	8	9						45	7.51	I	IR
550	555	5.0	5	3	3	6	5	6	6					45	4.13	I	IO
555	560	5.0	8	5	2			6						45	2.94	I	Y
560	565	5.0	7	8	11	12	8	3	9					45	8.40	I	IR
565	570	4.5	4	2	2	7	6		10					45	4.50	I	IO
570	575	4.5	3	10	12	7	11							45	6.87	I	P
575	580	4.5	16	3	12	4								45	5.15	I	P
580	585	5.0	9	17	3	10	3	6						45	7.00	I	IR
585	590	5.0	11	5	3	6	3	6						45	4.86	I	IO
590	595	5.0	15	10	11	6	5							45	6.84	I	P
595	600	5.0	11	6	2	8	5							45	4.64	I	IO
600	605	5.0	3	7	3	10	5							45	4.86	I	IO
605	610	5.0	10	2		6	3							45	2.94	I	Y
610	615	5.0	14	9	6			6						45	5.16	I	P
615	620	5.0	8	9	5	2	5							45	4.13	I	IO
620	625	5.0	8	9	12	4	8	3						45	6.41	I	P
625	630	5.0	15	5	8	6			8					45	6.04	I	P
630	635	5.0	11	17	8	2			8					45	6.63	I	P
635	640	5.0	14	11	8	2	5	9	8	10				45	9.73	I	IR
640	645	5.0	5	4	9	6	5	12	8					45	7.14	I	IR

645	650	5.0	7	9	8	2												45	3.68	I	IO
650	655	5.0	7	5	2	6												45	2.87	I	Y
655	660	5.0	12	5	5	2			3	4								45	4.43	I	IO
660	665	5.0	3	3	8	6			3	28			12	7	8			45	11.34	I	R
665	670	5.0	10	9	3	3	5			8								45	6.26	I	P
670	675	5.0	7	2	2	2												45	1.84	I	Y
675	680	5.0	6	5	3													45	1.99	I	Y
680	685	5.0	11	9	6	4	5	3	4				12					45	7.88	I	R
685	690	5.0	10	5	6	10	3	6	24	10								45	10.75	I	R
690	695	5.0	4	5	17	4												45	4.27	I	IO
695	700	4.5	3	2	3		3	3										45	2.21	I	Y
700	705	5.0	0	1	3	4			6									45	2.87	I	Y
705	710	5.0	6	7	2	6	3											45	3.39	I	IO
710	715	5.0	3	3	2	4	8	9										45	4.06	I	IO
715	720	5.0	10	7	17	10												45	6.41	I	P
720	725	5.0	9	1	5	8												45	3.32	I	IO
725	730	5.0	7	5	6	8				8								45	4.94	I	IO
730	735	5.0	6	9	3	2	3											45	3.32	I	IO
735	740	4.0	1	1		5												45	1.10	I	Y
740	745	5.0	2	4	3	4												45	1.91	I	Y
745	750	5.0	3	3	8	2												45	3.01	I	IO
750	755	5.0	9	5	6	6	8	9										45	6.41	I	P
755	760	5.0	3	2		4												45	1.26	I	Y
760	765	5.0	2	3	2		5											45	1.70	I	Y
765	770	5.0	4	1	5	6	3	3	8									45	4.27	I	IO
770	775	5.0	7	7	6	4	5											45	4.20	I	IO
775	780	5.0	5	4	2	4	5					10						45	4.27	I	IO
780	785	5.0	10	11	6	4							12					45	6.26	I	P
785	790	5.0	4	1	8	6				8								45	3.90	I	IO
790	795	5.0	12	8	6							10						45	5.23	I	P
795	800	4.5	3	6	7	2	9	7										45	5.40	I	P
800	805	5.0	4	4	5	4	10	6										45	4.79	I	IO
805	810	4.5	7	4														45	1.64	I	Y
810	815	5.0	3	3	6	2		12										45	3.75	I	IO
815	820	5.0	2	5	2	4	8	9	8									45	5.37	I	P
820	825	5.0	10	12	8	10	18	9										45	9.66	I	R
825	830	5.0	3		2	6	8	12	16				12					45	8.47	I	R
830	835	5.0	2	7	3		8	3										45	3.31	I	IO
835	840	5.0	5	4	6		3	9										45	3.83	I	IO
840	845	5.0	10	4	8	2			8	10								45	6.04	I	P

845	850	5.0	7	15	12			5		8	5	5	45	8.32	R
850	855	5.0	4	5	9						10		45	2.66	Y
855	860	5.0	8	3	3	8							45	4.64	O
860	865	5.0	11	10	5	12				6			45	5.53	P
865	870	5.0	10	5	5	8							45	4.94	O
870	875	5.0	7	3	5	10		3		8	10		45	6.56	P
875	880	5.0	6	4	2	10				4	10		45	5.16	P
880	885	5.0	4	6	8	12		3	12				45	6.41	P
885	890	5.0	4	4	8	4		8	6		10		45	6.34	P
890	895	5.0	3	3	5	4		8			10		45	7.00	R
895	900	4.5	7	2	7	2		17	7			13	45	8.02	R
900	905	5.0	6	5	8	10		8	9				45	6.56	P
905	910	5.0	4	5	8	2							45	2.73	Y
910	915	5.0	5	2	2			3		4	10		45	3.61	O
915	920	4.5	7	10	6	4		3	13				45	6.14	P
920	925	5.0	9	7	14	2				8			45	6.14	P
925	930	5.0	9	8	5	4			6			32	45	5.83	P
930	935	5.0	8	10	14	18		8	18				45	9.35	R
935	940	5.0	8	5	5	4		5				14	45	11.05	R
940	945	5.0	7	5	8	8		3	15				45	5.90	P
945	950	5.0	8	4	6							16	45	6.55	P
950	955	5.0	13	7		6		8		8			45	4.94	O
955	960	5.0	3	10	5	2		3	3				45	6.04	P
960	965	5.0	12	7	9	2							45	4.41	O
965	970	5.0	6	3	2	4							45	4.43	O
970	975	5.0	6	7	17			3					45	2.06	Y
975	980	5.0	4	2	6	4							45	4.71	O
980	985	5.0	10	3	8								45	2.36	Y
985	990	5.0	5	3	2								45	3.01	O
990	995	5.0	6	2	3	4		3	3				45	1.40	Y
995	1000	5.0	4	4	11	4							45	2.95	Y
1000	1005	5.0	4	9	11	4							45	3.24	O
1005	1010	5.0	7	4									45	4.05	O
1010	1015	5.0	6	2	3			5		8	10		45	1.54	Y
1015	1020	5.0	9	5	3	2							45	5.01	P
1020	1025	5.0	6	7	6					6			45	2.80	Y
1025	1030	5.0	10	7	5						10		45	2.80	Y
1030	1035	5.0	4	8	9	4				3			45	4.04	O
1035	1040	5.0	1										45	5.60	P
1040	1045	5.0	1										45	0.14	G
													45	0.07	G

1045	1050	5.0	1		
1050	1055	5.0	1		
1055	1060	5.0	4		
1060	1065	5.0	1		
1065	1070	4.5	1		
1070	1075	5.0			
1075	1080	5.0	2		
1080	1085	5.0			
1085	1090	4.0	3		
1090	1095	5.0			
1095	1100	5.0			
1100	1105	5.0			
1105	1110	5.0	2		
1110	1115	4.5			
1115	1120	5.0			
1120	1125	5.0			
1125	1130	5.0			
1130	1135	4.5			
1135	1140	5.0			
1140	1145	4.0			
1145	1150	4.5			
1150	1155	5.0			
1155	1160	4.5			
1160	1165	5.0			
1165	1170	4.0			
1170	1175	4.5	1		
1175	1180	4.5	1		
1180	1185	4.5			
1185	1190	5.0	1	3	
1190	1195	5.0	3		
1195	1200	5.0	1		
1200	1205	4.5			
1205	1210	4.0			
1210	1215	5.0	1	5	2
1215	1220	5.0	1		
1220	1225	5.0			
1225	1230	5.0	1		
1230	1235	4.5	2		
1235	1240	4.5	3		
1240	1245	5.0	1		

45	0.14	IG
45	0.14	IG
45	0.59	IG
45	0.07	IG
	0.17	IG
		IG
0	0.00	IG
45	0.21	IG
0	0.00	IG
45	0.28	IG
0	0.00	IG
0	0.00	IG
45	0.23	IG
0	0.00	IG
0	0.00	IG
0	0.00	IG
0	0.00	IG
0	0.00	IG
0	0.00	IG
0	0.00	IG
0	0.00	IG
0	0.00	IG
0	0.00	IG
0	0.00	IG
45	0.03	IG
45	0.03	IG
0	0.00	IG
45	0.59	IG
45	0.37	IG
45	0.07	IG
0	0.00	IG
0	0.00	IG
45	1.03	IX
23	0.11	IG
0	0.00	IG
23	0.11	IG
45	0.25	IG
45	0.49	IG
45	0.14	IG

1245	1250	5.0								0	0.00		G
1250	1255	5.0								0	0.00		G
1255	1260	5.0								0	0.00		G
1260	1265	5.0								0	0.00		G
1265	1270	5.0								0	0.00		G
1270	1275	4.5	3	1						45	1.23		Y
1275	1280	5.0	10	5	2	4			8	45	4.13		O
1280	1285	5.0	3	2	3	2	3			45	1.77		Y
1285	1290	5.0	3	3	2					45	1.03		Y
1290	1295	5.0	4	1	2					45	0.96		G
1295	1300	5.0	2	1						45	0.44		G
1300	1305	5.0	1	2						45	0.37		G
1305	1310	5.0	5							45	0.66		G
1310	1315	5.0	1	2						45	0.37		G
1315	1320	5.0								0	0.00		G
1320	1325	5.0	1	2						45	0.44		G
1325	1330	5.0	1							45	0.14		G
1330	1335	5.0	1							45	0.14		G
1335	1340	5.0								0	0.00		G
1340	1345	5.0								0	0.00		G
1345	1350	5.0	2							45	0.21		G
1350	1355	5.0	1							45	0.16		G
1355	1360	5.0								0	0.00		G
1360	1365	5.0								0	0.00		G
1365	1370	5.0								0	0.00		G
1370	1375	5.0	2							45	0.30		G
1375	1380	5.0								0	0.00		G
1380	1385	5.0								0	0.00		G
1385	1390	5.0	1							45	0.14		G
1390	1395	5.0	1	1	5					45	0.96		G
1395	1400	4.5								0	0.00		G
1400	1405	4.0								0	0.00		G
1405	1410	4.5	1							45	0.17		G
1410	1415	4.5								0	0.00		G
1415	1420	5.0	2	2						45	0.59		G
1420	1425	5.0	3		2	2				45	0.96		G
1425	1430	5.0								0	0.00		G
1430	1435	5.0								0	0.00		G
1435	1440	5.0	1							23	0.05		G
1440	1445	5.0	1							45	0.14		G



CASSIAR RESOURCES
(Division of Brinco Mining Limited)

Cassiar Mine, Cassiar, B.C. VOC 1E0

Telephone: (604) 778-7435
Telex: 036-88533

STATEMENT OF QUALIFICATIONS

I, Michael R. Pennock, with business and residential addresses in Cassiar, British Columbia, do hereby certify that:

- a) I am a graduate of the University of British Columbia in 1971 with a Bachelor of Science degree in Geology.
- b) I am a member of the Canadian Institute of Mining and Metallurgy.
- c) From 1971 to 1974 I held positions with Texas Gulf Inc., as an Exploration Geologist.
- d) From 1974 to 1978 I held positions both in production and engineering with Wesfrob Mines Limited.
- e) From 1978 to 1980 I held positions in engineering with Union Miniere Explorations and Mining Corporation.
- f) From June 1980 until the present I have been employed as Mine Geologist and Senior Geologist at the Cassiar Mine of Cassiar Resources (Division of Brinco Mining Limited).

Dated: 30 August, 1982

In: Cassiar, B.C.

Michael R. Pennock
Senior Geologist

MP/as



CASSIAR RESOURCES

(Division of Brinco Mining Limited)

Cassiar Mine, Cassiar, B.C. VOC 1E0

Telephone: (604) 778-7435
Telex: 036-88533

STATEMENT OF QUALIFICATIONS

I, William R. Pratt, with business and residential addresses in Cassiar, British Columbia, do hereby certify that:

- a) I completed two years of studies at the Southern Alberta Institute of Technology in 1969, in Petroleum Geology.
- b) From 1969 to 1972, I held the position of Geological Technician with Cassiar Asbestos Corp. Ltd. Clinton Creek Mine.
- c) From 1973 to 1974, I held the position of Geological Technician with Cassiar Asbestos Corp. Ltd., Pyke Property, New Zealand.
- d) From 1974 to 1975, I held the position of Mine Technologist with Great Canadian Oil Sands Ltd., Fort McMurray.
- e) From 1975 until present time, I have been employed as Geological Technician and Mine Geologist at the Cassiar Mine of Cassiar Resources, Division of Brinco Mining Limited.

Dated; 24 August, 1982

In; Cassiar, B.C.

William R. Pratt
Mine Geologist

WP/as

STATEMENT OF COSTS

A. SALARIES AND WAGES

M. Pennock - Supervision	98 days @ \$90/day	= \$ 8,820.00
W. Pratt - Supervision	100 days @ \$79/day	= 7,900.00
		<hr/>
	TOTAL	= \$16,720.00

B. FOOD AND ACCOMMODATIONS

M. Pennock	98 days @ \$35/day	= \$ 3,430.00
W. Pratt	100 days @ \$35/day	= 3,500.00
		<hr/>
	TOTAL	= \$ 6,930.00

C. CONTRACTS & SERVICES

Underground Diamond Drilling by:

Cameron McCutcheon Drilling Ltd.

1. Hole Costs

June to December	HQ 7100 @ 36.68	= \$260,392.47
	NQ 2603 @ 33.71	= 87,747.34
	BQ 429 @ 34.93	= 14,983.15
		<hr/>
	TOTAL Hole Costs	= \$363,122.96

2. Site Costs

June to December Labour	4194.0 hrs. @ 24.29/hr	\$101,888.59
Equipment Standby	260.5 hrs. @ 14.30/hr	3,725.15
Equipment Operating	911 hrs. @ 20.90/hr	19,039.90
		<hr/>
	TOTAL Site Costs	= \$124,654.08

3. Supply of Materials

Bits - rodshoes, drilling mud, etc.		
June to December		= \$ 85,848.81

4. Support Service

June to September 7, incl.		
Camp operation & (Room & Board)		= \$ 64,628.30
Fuel Allowance		

5. Power Plant Rental, Electrical Fan; Mine
Support Equip. Rental, Compressor Rental = \$ 85,848.81

6. Mobilization and Demobilization
Lump Sum = \$ 24,427.25

TOTAL CONTRACTS AND SERVICES TO
CAMERON McCUTCHEON DRILLING LTD. = \$976,891.27

D. CORE LOGGING AND SAMPLE PREPARATION
Two core loggers - June to December = \$ 26,992.39

E. ROOM AND BOARD FOR CAMERON McCUTCHEON DRILLING PEOPLE
Provided by United Hearne Resources
September 7 to December 20 = \$ 29,862.00

F. DRILLING MUD & FUEL SUPPLIES
Supplied for drilling, shop costs, (Owner cost) = \$132,634.84

SUMMARY OF EXPENDITURES

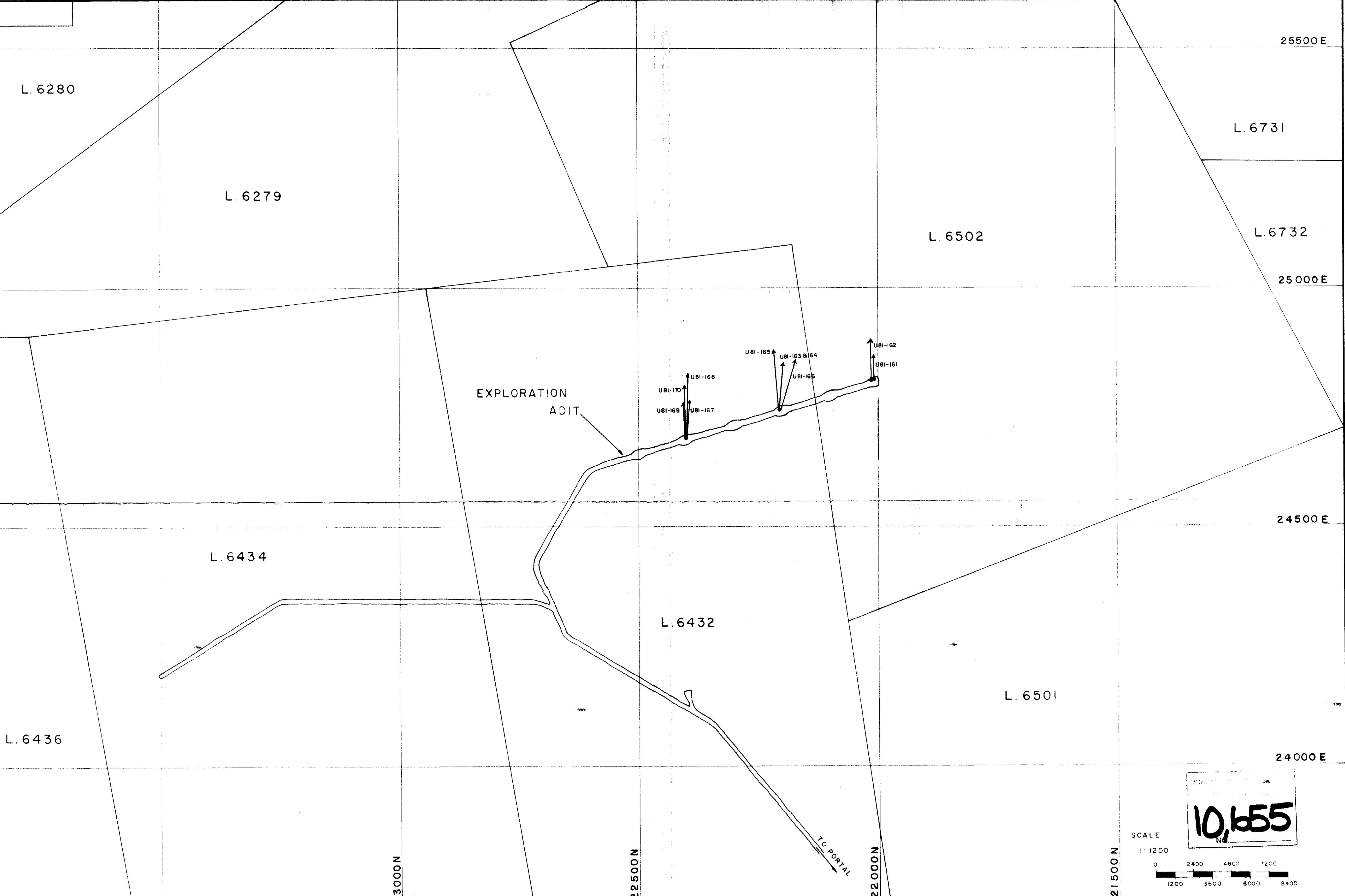
A. Salaries and Wages	\$ 16,720.00
B. Food and Accommodations	6,930.00
C. Contracts and Services (Cameron McCutcheon Drilling)	976,891.27
D. Core Logging and Sample Preparation	26,992.39
E. Room and Board (Cameron McCutcheon Drilling board provided by United Hearne Resources)	29,862.00
F. Drilling Muds, Fuel Supplies, Shop Costs, etc.	<u>132,634.84</u>
TOTAL COSTS	\$1,190,030.50

Taxes are paid on the crown granted mineral claims on the 2nd of July accounting.

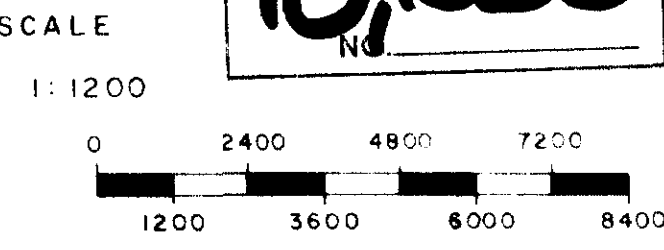
This work is hereby files as assessment fot the McDane 1 - 3 mineral claims consisting of 47 units.

2 years @ \$100.00/unit/year x 47 units	\$ 9,400.00
8 years @ \$200.00/unit/year x 47 units	75,200.00
Total applied for assessment	84,600.00
Total applied for P.A.C.	1,105,430.50

BALANCE \$ 0

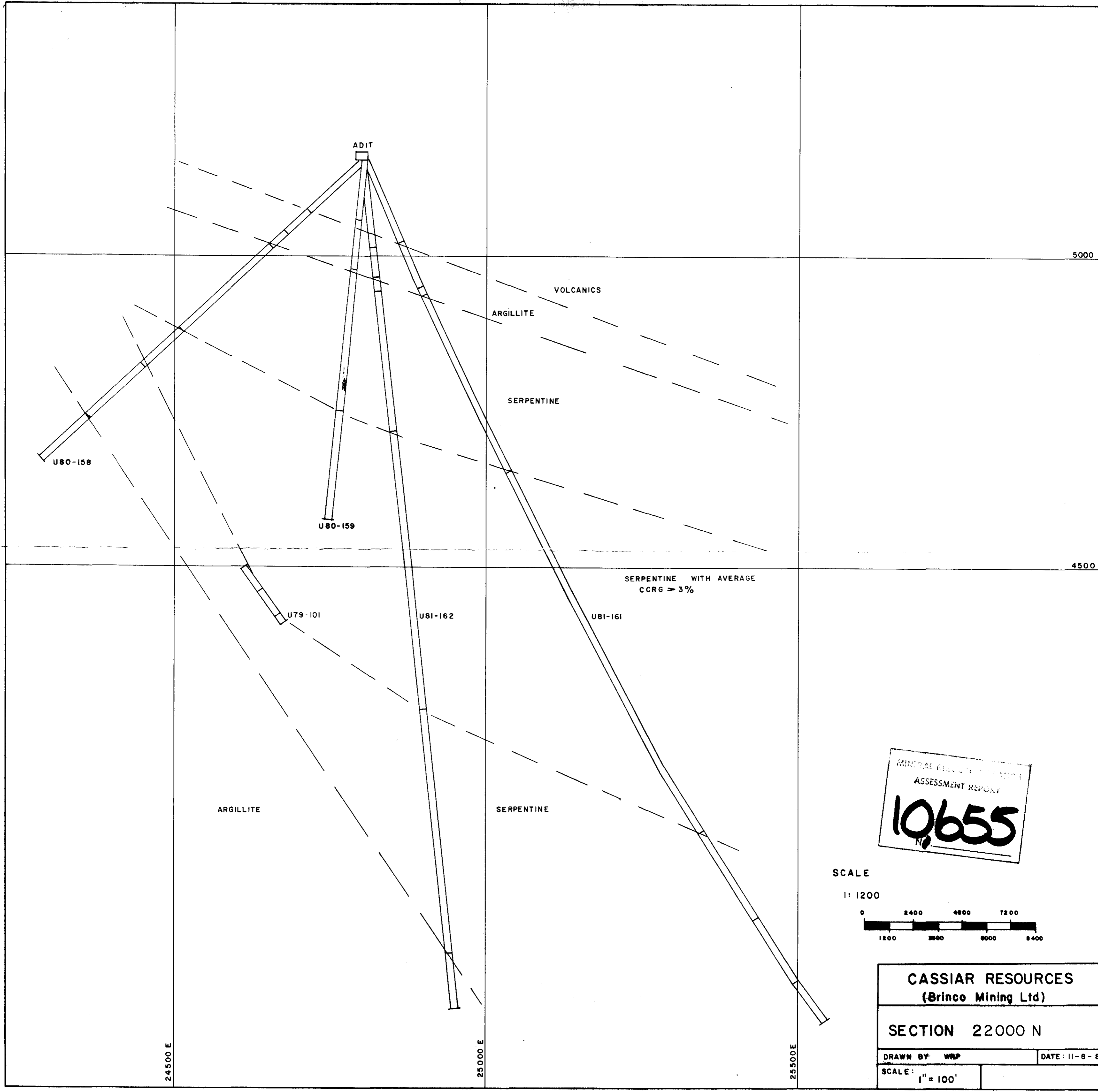


10,655



DRWG. No.	REFERENCE	No.	DATE	REVISIONS	BY	ISSUED FOR ABOVE PURPOSE	DATE	APP'D

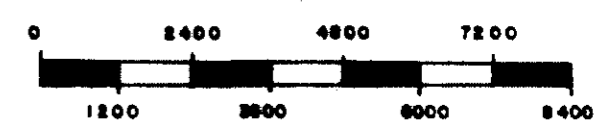
LOCATION: TITLE: <h2 style="text-align: center;">LOCATION PLAN</h2>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">CASSIAR RESOURCES</td> </tr> <tr> <td colspan="2" style="text-align: center;">(Brinco Mining Ltd)</td> </tr> <tr> <td style="width: 50%;">DRAWN BY: MRP</td> <td style="width: 50%;">DATE: 28 4 81</td> </tr> <tr> <td>CHECKED BY:</td> <td>DATE:</td> </tr> <tr> <td>APPROVED BY:</td> <td>DATE:</td> </tr> <tr> <td>SECTION:</td> <td>PROJ. No.</td> </tr> <tr> <td>SCALE: 1" = 100'</td> <td>DWG. No.</td> </tr> <tr> <td> </td> <td>REV.</td> </tr> </table>	CASSIAR RESOURCES		(Brinco Mining Ltd)		DRAWN BY: MRP	DATE: 28 4 81	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SECTION:	PROJ. No.	SCALE: 1" = 100'	DWG. No.		REV.
CASSIAR RESOURCES																	
(Brinco Mining Ltd)																	
DRAWN BY: MRP	DATE: 28 4 81																
CHECKED BY:	DATE:																
APPROVED BY:	DATE:																
SECTION:	PROJ. No.																
SCALE: 1" = 100'	DWG. No.																
	REV.																



MINERAL RESOURCES MANAGEMENT
ASSESSMENT REPORT
10655
N

SCALE

1: 1200

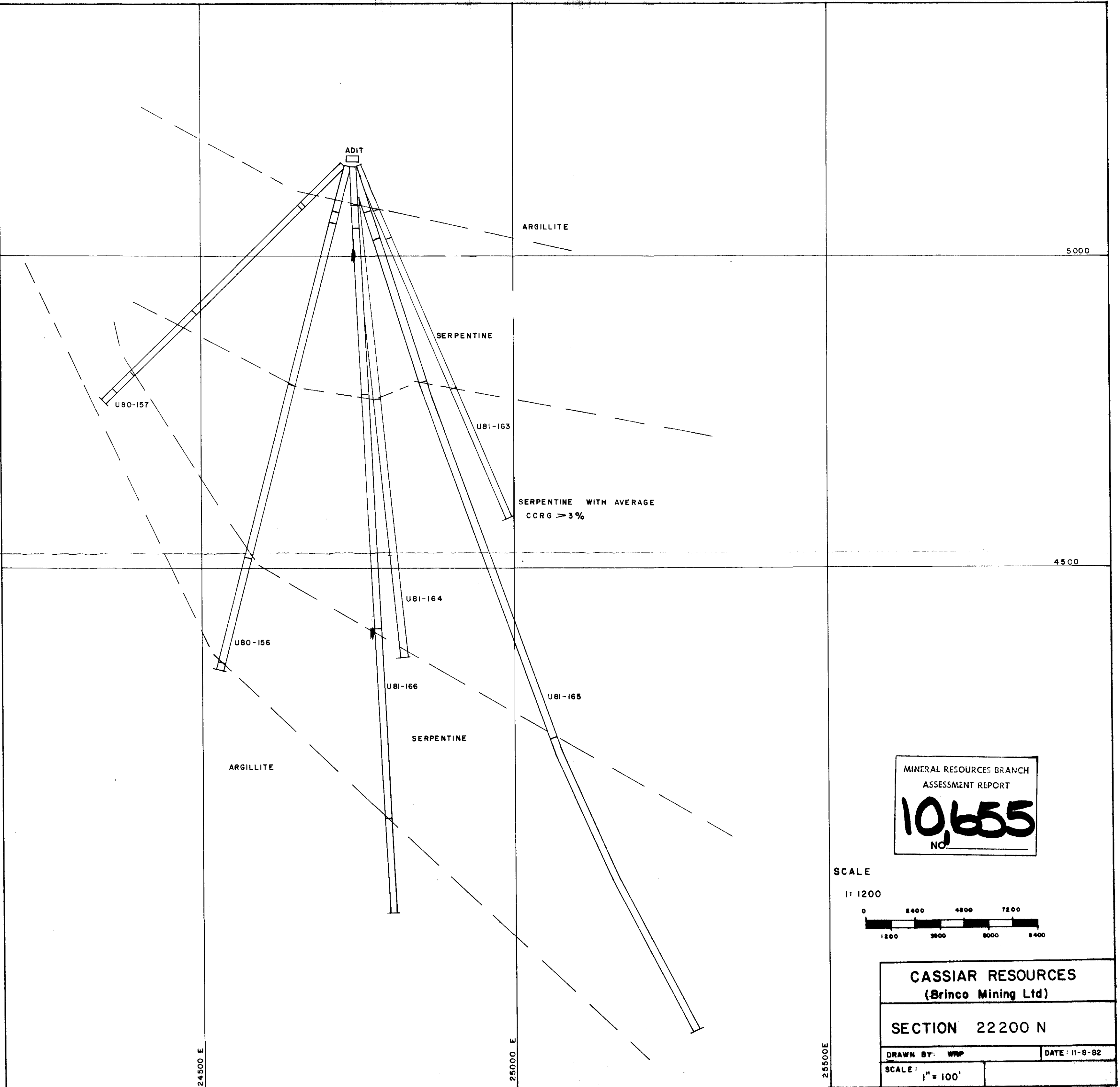


CASSIAR RESOURCES
(Brinco Mining Ltd)

SECTION 22000 N

DRAWN BY WRP DATE: 11-8-82

SCALE: 1" = 100'



MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
10,655
 NO.



CASSIAR RESOURCES
 (Brinco Mining Ltd)

SECTION 22200 N

DRAWN BY: WRP	DATE: 11-8-82
SCALE: 1" = 100'	

ADIT

ADIT

ARGILLITE

5000

SERPENTINE

U81-167

U80-154

SERPENTINE WITH AVERAGE
CCRG \geq 3%

4500

U80-155

U81-168

ARGILLITE

SERPENTINE

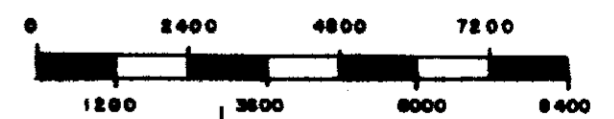
U81-170

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

10,655

SCALE

1: 1200



CASSIAR RESOURCES
(Brinco Mining Ltd)

SECTION 22 400 N

DRAWN BY WRP

DATE: 11-8-82

SCALE: 1" = 100'

24 500 E

25 000 E