

LOG NO: 1126	RD.
ACTION:	
FILE NO: 87-805 16476	

DIAMOND DRILLING REPORT

11/88

ON THE
 PERRY 1 AND 2, MASON 1 AND 2, ATTORNEY 2
 DEAN'S FR., DREAM FR., AND FAR SIDE FR.
 (PERRY MASON GROUP)

TOODOGGONE RIVER AREA
 I E
 OMENICA MINING DIVISION, B.C.

94E 6E
 (57°^{16'24"}₁₇ N. Lat., 127°^{08'48"}₁₈ W. Long.)

FOR
 CHENI GOLD MINES INC.
 STE. 2101 - 1055 WEST GEORGIA STREET
 VANCOUVER, B.C.
 (OWNER AND OPERATOR)

BY
 ROBERT E. REID, B.Sc., F.G.A.C.,
 MOHAN R. VULIMIRI, B.Sc., M.Sc.,
 AND
 KELLY L. ILLERBRUN, B.A.Sc.

NOVEMBER 1987

16,476

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

TABLE OF CONTENTS

	Page
<u>INTRODUCTION</u>	1
<u>General</u>	1
<u>Location and Access</u>	1
<u>Physiography</u>	1
<u>Property and Claim Status</u>	4
<u>Property History</u>	4
 <u>GEOLOGY</u>	 5
 <u>MINERALIZATION AND ALTERATION</u>	 6
 <u>DIAMOND DRILLING</u>	 6
 <u>CONCLUSIONS AND RECOMMENDATIONS</u>	 6
 <u>STATEMENT OF EXPENDITURES</u>	 8
 <u>REFERENCES</u>	 9
 <u>STATEMENTS OF QUALIFICATIONS</u>	 10

LIST OF ILLUSTRATIONS

	Page
Location Plan ...(figure 1).....	2
Claim Plan(figure 2).....	3
D.D.H. Locale ...(figure 3).....	3a
D.D.H. Location Plan (with outcrop geology) ..(figure 4)..attached	

INTRODUCTION

General

Diamond drilling was carried out on the property by D.J. Drilling Ltd. for Cheni Gold Mines under the supervision of company geologists. The program was conducted between August 22, 1987 to September 8, 1987.

Logging of the diamond drill core was by Robert Reid and Mohan Vulimiri, geologists employed by Cheni Gold Mines.

Location and Access

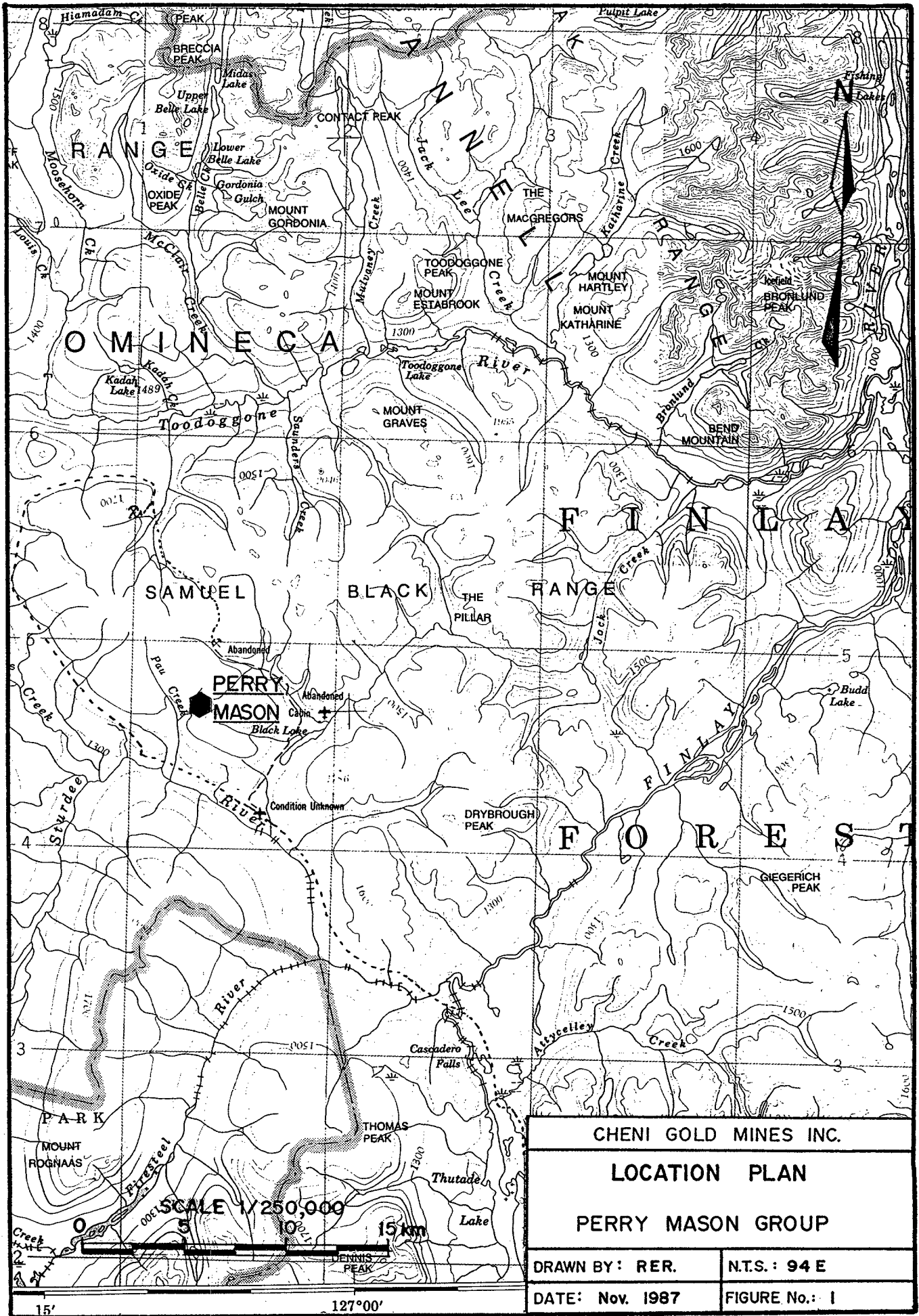
The Perry Mason claim group is located between 57°16' and 57°17' N. latitude and between 127°08' and 127°12' W. longitude in the Sturdee River - Lawyers Creek area, Toodoggone River Map Sheet, 94E 6E, Omenica Mining Division (figures 1 and 2).

Access to the property is by fixed-wing aircraft from Smithers to the Sturdee Valley Airstrip, a distance of 280 km, from Sturdee Valley to Cheni's camp by road, a distance of 35 km, and from Cheni's camp to the property by helicopter, a distance of 8 km.

Physiography

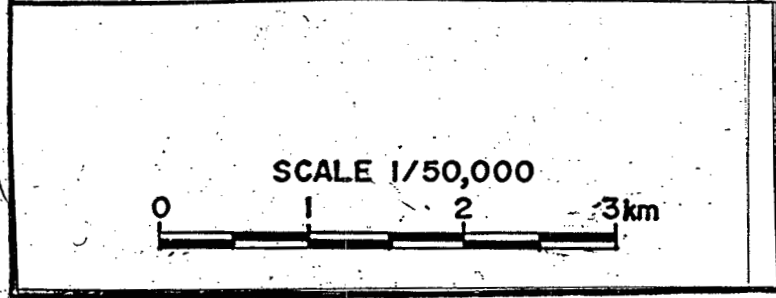
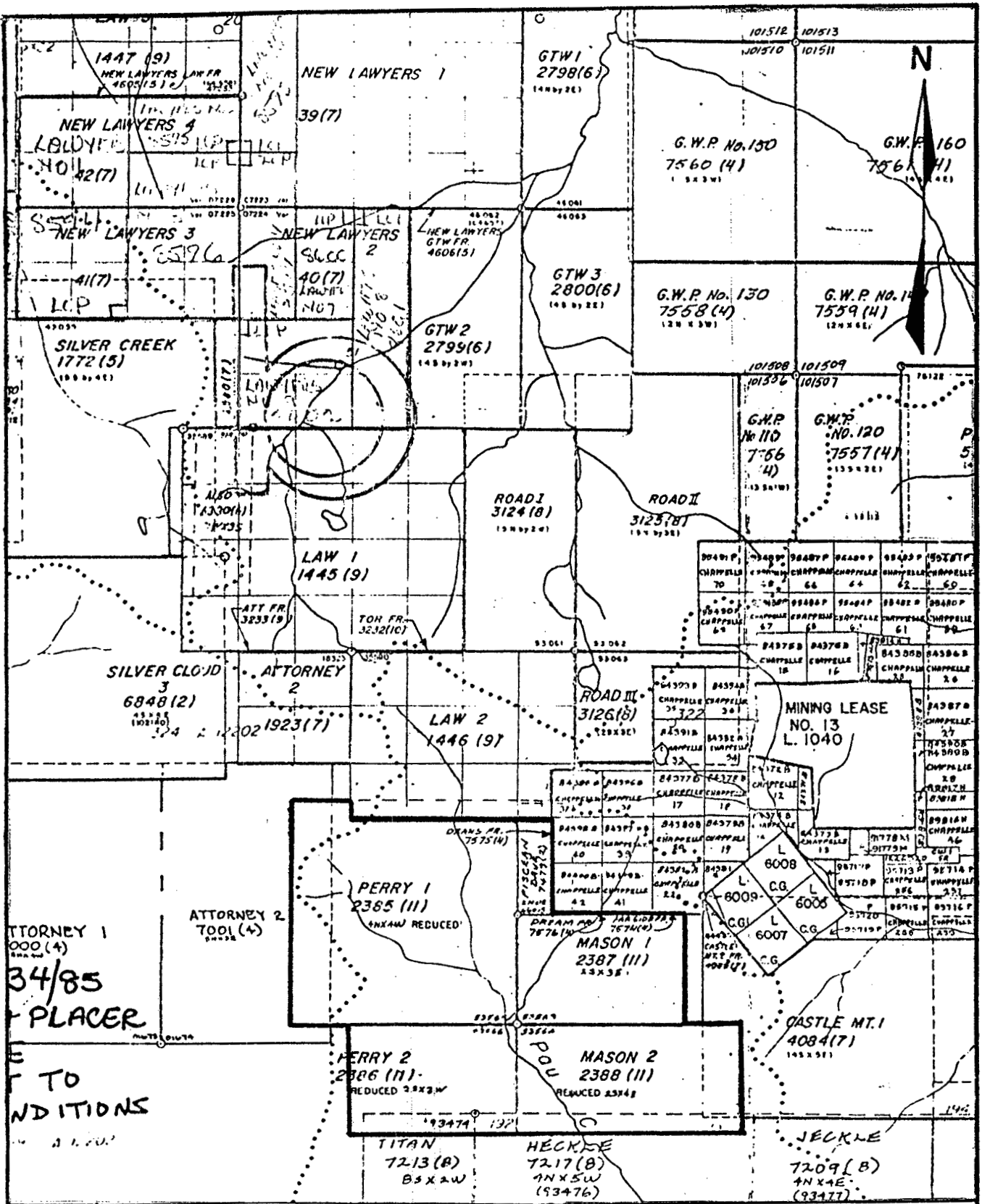
Topography is gentle to moderate; elevation ranges from 1480 to 1880 meters above sea level. Outcrop exposure is less than 5 percent on the property with exposure being in small creek gullies.

The property is open with grass, lichen, moss and minor



CHENI GOLD MINES INC.	
LOCATION PLAN	
PERRY MASON GROUP	
DRAWN BY: RER.	N.T.S.: 94 E
DATE: Nov. 1987	FIGURE No.: 1

15' 127°00'



CHENI GOLD MINES INC.

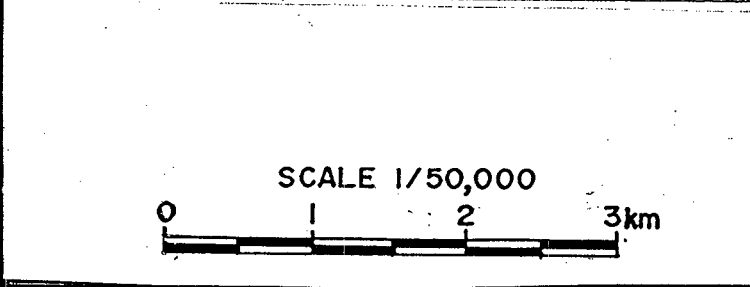
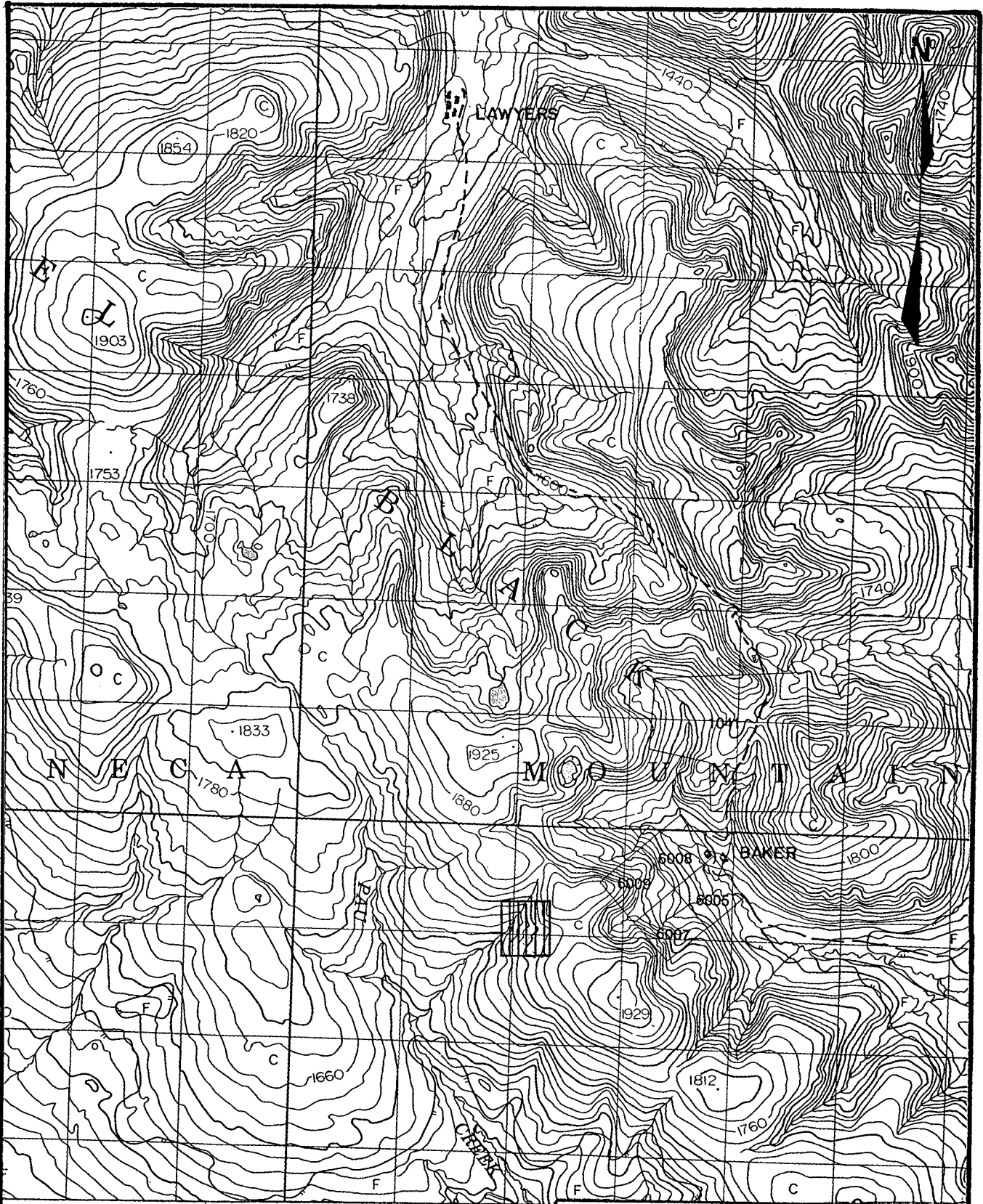
CLAIM MAP
PERRY MASON GROUP

DRAWN BY: R.E.R.

N.T.S.: 94 E / 6 E

DATE: Nov. 1987

FIGURE No: 2



CHENI GOLD MINES INC.	
LOCATION PLAN	
PERRY MASON	
D.D.H. and Trenching Locale	
DRAWN BY: R.E.R.	NTS.: 94 E/6E
DATE: Nov. 1987	FIGURE No.: 3

buckbrush as the vegetation.

Property and Claim Status

The claims (figure 2) are owned and operated by Cheni Gold Mines Inc., Box 11175, West Georgia St., Vancouver, B.C. Upon acceptance of this report the claims will be in good standing until April 29, 1997.

The claim consists of the following:

<u>Claim</u>	<u>Units</u>	<u>Record No.</u>	<u>Record Date</u>
Perry 1	16	2385	Nov. 28
Perry 2	6	2386	Nov. 28
Mason 1	6	2387	Nov. 28
Mason 2	8	2388	Nov. 28
Attorney 2	4	1923	July 31
Dean's Fr.	1	7575	April 29
Dream Fr.	1	7576	April 29
Far Side Fr.	1	7574	April 29

Property History

Previous work on the property by Cheni Gold Mines during 1980, 1981, and 1982 included soil sampling, silt sampling, preliminary geological mapping, prospecting, and a total field magnetometer survey. Work during 1983 was carried out on the "Black Pete Zone" showing. This is a quartz-hosted precious metal prospect. Hand trenching was completed over the area and values up to 0.11 oz/ton gold and 8.70 oz/ton silver across one meter were

obtained.

In 1985, several trenches were dug with a bulldozer and backhoe and values up to 4.81 oz/ton gold and 78.6 oz/ton silver across three meters were obtained. VLF electromagnetic and VLF electromagnetic resistivity surveys were also conducted on the claims.

Work in 1986 consisted of follow up bulldozer and backhoe trenching.

GEOLOGY

The Perry Mason Group of claims is underlain by Permian Asitka limestone and meta-sediments, Triassic Takla volcanic rocks, and Lower Jurassic Toodoggone volcanic rocks intruded by quartz monzonite to quartz diorite intrusive rocks belonging to the Lower Jurassic Omenica intrusions.

The Asitka limestone is exposed on the Castle Mountain crown grants to the east. The limestone is locally altered to pale green actinolite skarn. The Asitka meta-sediments are comprised of bedded silts and shales that have been weakly metamorphosed. The meta-sedimentary rocks are dominant in the area drilled. The Asitka Group is overlain by Upper Triassic Takla Group porphyritic augite basaltic andesites. The rocks are exposed mainly on the Mason 1 claim.

The Lower Jurassic Toodoggone volcanic rocks are exposed on the Perry 1 claim and consist of varicoloured, hematitic, porphyritic, andesitic crystal and lithic tuffs and breccias.

Structurally, the units in the area of trenching are intensively disrupted by steep-dipping northeast-southwest trending faults.

MINERALIZATION AND ALTERATION

Mineralization consisting of galena, tetrahedrite and sphalerite with silver and gold values is associated with silicified and siliceous zones within the Takla augite porphyry and the Toodoggone feldspar porphyry. The silicified and siliceous zones are comprised mainly of quartz veins with very little chalcedony. No banding was observed.

DIAMOND DRILLING

During the period between August 22, 1987 and September 8, 1987 a total of 1122.13 meters of BQ diamond drilling was performed in eight holes (figure 4).

The purpose of drilling was to determine the continuity, at depth, of economic mineralization contained within the quartz veins.

CONCLUSIONS AND RECOMMENDATIONS

Continuity of ore intersections between drill holes is poor; as well, core is intensely fragmented. This indicates that the area is strongly faulted. The faults are zones of intensely fractured rock with very little gouge.

Intersections show silver mineralization as disseminated

argentite contained within quartz veins. Gold mineralization is subeconomic.

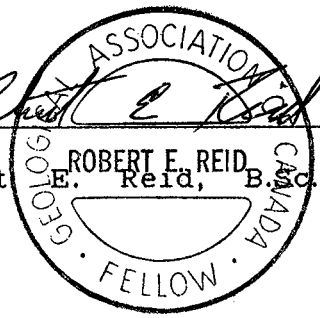
We recommend that further bulldozer and back-hoe trenching be accomplished to better determine the nature of quartz veining on the property.

Respectfully submitted,

[Handwritten signature]

Kelly L. Illerbrun, B.A.Sc.

[Handwritten signature]
Robert E. Reid, B.Sc., F.G.A.C.



Drill core is stored on the property.
Core sample analyses were done by AA method in field laboratory equipped and staffed by MIN-EN LAB.
Chem-analyses were done by fire assay method at the MIN-EN LAB. in North Vancouver.

[Handwritten initials]

STATEMENT OF EXPENDITURES

DRILLING

D.J. Drilling Ltd.	PM1 = 118.41m		
	PM2 = 229.36m		
	PM3 = 115.98m		
	PM4 = 163.37m		
	PM5 = 169.47m		
	PM6 = 107.90m		
	PM7 = 154.23m		
	PM8 = 63.41m		
	=====		
Total =	1122.13m = 3681 ft		
	@ \$20/ft	\$	74,862.91

HELICOPTER

Northern Mountain Helicopters			
36.0 hours @ \$590/hr		\$	21,245.20

CAMP SUPPORT

85.0 man-days @ \$30.00/day		\$	2,550.00
-----------------------------------	--	----	----------

LABOUR SUPPORT

4.0 days @ \$ 65.00/day = \$ 260.00			
8.0 days @ \$133.33/day = \$ 1066.67			
1.0 day @ \$230.00/day = \$ 230.00			
=====			
Total Labour Cost = \$ 1556.67		\$	1,556.67

=====

TOTAL PROPERTY ASSESSMENT COST		\$	<u>100,214.78</u>
--------------------------------------	--	----	-------------------

REFERENCES

Vulimiri, M.R., and Crooker, G.F. (1985) Geological and Geophysical Report on the Perry 1 and 2, Mason 1 and 2, Piscean Dave, Dean's Fr., Dream Fr., and Far Side Fr. Claims (Perry Mason Group), Omenica Mining Division.

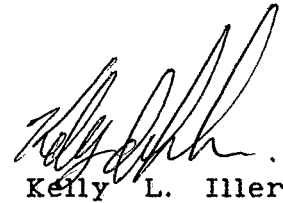
Stammers, M.A., Crawford, W.J., and Keilbach, S.A. (1982) Geological, Geophysical, and Trenching Report on the Perry 1 and 2, and Mason 1 and 2 Claims, Omenica Mining Division.

CERTIFICATE OF QUALIFICATIONS

I, Kelly L. Illerbrun, of Box 4569, #39 4430 Hwy 16 W. Smithers, B.C., certify that:

1. I am a geologist, employed by Cheni Gold Mines Inc.
2. I graduated from the University of British Columbia with a Bachelor of Applied Science in Geological Engineering.
3. I have been practising my profession as an exploration and mine geologist and engineer since 1987.
4. I personally examined the property with respect to the 1987 field program.

Smithers, British Columbia



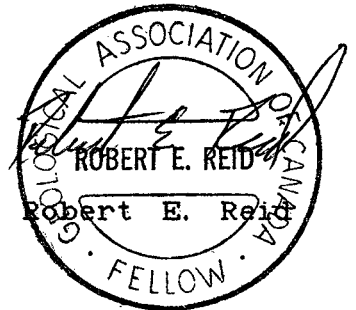
Kelly L. Illerbrun

CERTIFICATE OF QUALIFICATIONS

I, Robert E. Reid, of Box 3669, Elgin Ave, Smithers, B.C., certify that:

1. I am a geologist, employed by Cheni Gold Mines Inc.
2. I have a Bachelor of Science Degree in Geology from the University of British Columbia.
3. I have been practising my profession as an exploration and mine geologist since graduation in 1971.
4. I personally examined the property with respect to the 1987 field program.
5. I hold British Columbia Underground Shiftboss certificate #UG 1008.
6. I am a Fellow of the Geological Association of Canada and a member of the C.I.M.M.

Smithers, British Columbia



CERTIFICATE OF QUALIFICATIONS

I, Mohan R. Vulimiri, certify that:

1. I am a geologist, employed by Cheni Gold Mines Inc.
2. I have a Bachelor of Science Honors Degree and a Master of Science Degree in Geology.
3. I have been practising my profession as an exploration geologist since graduation.
4. I personally examined the property with respect to the 1987 field program.

Smithers, British Columbia

Mohan R. Vulimiri

Duplicate
PULLED

S E R E M L T D .

D I A M O N D D R I L L L O G

PROJECT: TOODOGGONE

HOLE NO. 87 PM 2

ZONE: FERRY MASON

CORE SIZE: START BQ

LOCATION (N.T.S.) 94E/2E

CHANGE _____

CLAIM: MASON 2

DATE STARTED: AUG 22 1987

MINING DIVISION: OMINECIA

DATE COMPLETED: AUG 24 1987

LOGGED BY: Robert E. Reid

DATE: AUG 27-28 1987

SURVEY INFORMATION

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

TOTAL LENGTH 118.41

GRID ZONE CO-ORDINATES 1958.8N 2107.4E

ELEVATION AT COLLAR 1748.93 M

DIRECTION:

DEPTH	AZIMUTH	INCLINATION
COLLAR	190°	-50°

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
0-9.75	CASING AND OVERBURDEN NO CORE RECOVERED.		1					
			2					
			3					
			4					
			5					
			6					
			7					
			8					
			9					
9.75	9.75 - 36.8	9.75 - 28.0	10	27701	<0.01	0.3		
42%	CORE HIGHLY BROKEN & FRAGMENTED	VOLCANOCENIC META-SILTSTONE: GRAY GREEN AND DARK GREEN INTERBEDDED BEDDING FEATURES INDISTINCT DUE TO BROKEN FRAGMENTED NATURE OF CORE.	11	27702	0.02	3.2		
10.97		10.15-10.15 BRECCIA - CONTAINS PINKISH FELDSPAR PORPHYRY, QUARTZ, CHLORITIZED AND EPIDOTIZED FRAGMENTS IN A SILICIOUS MATRIX 90% FRAGMENTS. 1-2% PYRITE BLEBS.	12	27703	<0.01	0.2		
76%		10.5-11.03 ? (0.1 m RECOVERED) QUARTZ-CARBONATE ENHORITE EPIDOTE VEIN.	13	27704	<0.01	0.2		
11.89		UNIT CONTAINS NUMEROUS WHITE AND PINK CARBONATE AND SEVERAL EPIDOTE FRACTURE FILLINGS UP TO 2mm; DENSITY 1/area	14	27705	<0.01	0.1		
90%		11.3 1cm ENHORITE WHITE CARBONATE VEINLET AT 30°	15	27706	<0.01	0.1		
13.41		FIND MINOR PINKISH HEMATITIC REACTIONS RIMS AROUND SOME STRINGERS.	16	27707	<0.01	0.1		
58%		MAJORITY OF STRINGERS OR FRACTURE FILLINGS APPEAR TO CROSSCUT BEDDING.	17	27708	<0.01	0.1		
14.33		18.43-18.68 CARBONATE-QUARTZ BRECCIA VEIN 60% CARBONATE - 5% QUARTZ.	18	27709	<0.01	0.2		
85%			19	27710	<0.01	<0.1		
15.24			20					
76%			20.13					
16.46								
38%								
17.09								
83%								
18.23								
35%								
19.66								

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
97%		CONTAINING ELONGATE - DRAWN OUT (LOW ANGLE TO AXIS) WALLROCK FRAGMENTS 1-2% PYRITE BARBS. MINOR EPIDOTE.	20.13	27711	0.01	1.1		
21.24			20.6	27712	0.01	0.1		
69%		18.9-19.45 CARBONATE. QUARTZ BRECCIA AS ABOVE SWIRLING AROUND 1/2 CORE AXIS.	21.09					
20.17		20.13-20.6 QUARTZ BRECCIA VEIN.	22	27713	0.01	0.8		
76%		10-15% DARK GRAY QUARTZ WITHIN WHITE QUARTZ ALL REFRRACTURED AND FILLED BY CALCITE. FEW CHLORITIC WALLROCK FRAGMENTS EPIDOTE AND CHLORITE OPEN SPACE AND FRACTURE FILLINGS 1-2% PYRITE MAINLY IN DARK QUARTZ AND EPIDOTE MINOR ARGENTITE REMAINING CARBONATE OPEN SPACE FILLING.		27714	0.01	0.2		
25.60			23	27715	0.01	0.2		
72%			24	27716	0.01	0.1		
26.21			25	27717	0.01	0.1		
91%			26	27718	0.01	0.1		
27.43		21.09-23.0 QUARTZ VEIN. MAINLY WHITE QUARTZ WITH GRAY BANDS AT: 21.23-21.33 AND 21.67-21.86 MINOR EPIDOTE, CHLORITE SERICITE FRACTURE FILLINGS. TRACES GALENA, CHALCOPYRITE AND ARGENTITE WITH 1% PYRITE. ALL AS FRACTURE FILLINGS OR IN CLOSE PROXIMITY TO MAFIC.	27	27719	0.01	0.2		
65%			28	27720	0.01	0.1		
30.18			29	27721	0.01	0.1		
58%			30	27722	0.01	0.1		
30.78		21.86-22. HIGHLY BROKEN - SHEARED? LAMORAE-SERICITE SECTION.	31	27723	0.01	0.1		
61%		AFTER 22.6 HIGHLY BROKEN AND CONTAINS 40-50% WALLROCK AND CARBONATE.	32	27724	0.01	0.1		
31.0		25.24 4 CM QUARTZ VEIN - WHITE WITH EPIDOTE - 45°	33	27725	0.01	0.1		
67%		26.75 QUARTZ-CARBONATE VEIN SHOWING OFFSETS BY FRACTURING	34	27726	0.01	0.1		
33.83			35	27727	0.01	0.1		
80%		28.0 2 CM QUARTZ - EPIDOTE AT 55°	36	27728	0.01	0.1		
36.05		29.0-32.6 FINE GRAINED ANDESITE;	37	27729	0.01	1.0		
79%		32.6-37.4 VOLCANOGENIC META-SILTSTONE.	38	27730	0.01	0.3		
35.66		33.0 3 CM QUARTZ-CARBONATE - EPIDOTE.	39	27731	0.01	2.6		
62%		33.8 1 CM " " "	40					
37.00		34.05 2 CM " " "						
88%		34.7 2 CM " " "						
40.23		34.9 4 CM " " "						
		35.15 5 MM " " "						
		35.45 3 CM " " "						

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
40.23		36.87-37.74 CHLORITE QUARTZ-CARBONATE LOCALLY MYKONITIC - SWIRLY SHEAR BRECCIA 5-7% QUARTZ 5% CARBONATE	41	27732	<0.01	0.5		
98%		37.53 4 CM QUARTZ VEIN - MAINLY BLUE GREY - TRACES GREEN	42	27733	<0.01	0.1		
13.28	37.4 - 87.28	AUGITIC PORPHYRY: 5-15% DARK GREEN PHENOCRYSTS IN LIGHT TO DARK GREEN GROUNDMASS.	43	27734	<0.01	0.1		
75%		39.43-39.87 LIGHT GREY RIBBON QUARTZ STRINGER ZONE. 7 x 5mm TO 2 CM 40° TO AXIS	44	27735	<0.01	0.1		
44.81		38.87-41.41 QUARTZ VEIN. MAINLY RIBBON Banded WHITE AND LIGHT GREY QUARTZ CONTAINING NUMEROUS CHLORITE AND/OR KAOLINITIC FRAGMENTS.	45	27736	<0.01	0.1		
108%		EPIDOTE COMMON IN FRACTURES SOME WITH MINOR SCATTERED HEMATITE.	46	27737	<0.01	0.2		
47.55		41% PYRITE TRACE ENALOPHYRITIC 80% QUARTZ	47	27738	<0.01	0.2		
89%		41.41-44.81 HIGH DENSITY QUARTZ STRINGER ZONE 2mm - 3 CM 1/4 CM GIVING 5-7% QUARTZ FOR SECTION. STRINGERS RIBBONED AND AS VEIN ABOVE	48	27739	<0.01	2.1		
49.38		44.81-45.09 QUARTZ FRACTURE BRECCIA VEIN. 10% QUARTZ. FRAGMENTS INTERMEDIATE EPIDOTIZED AND/OR CHLORITIC.	49	27740	<0.01	0.2		
88%		45.09-47.12 LOW DENSITY STRINGER ZONE. 45.98 3 CM DARK GREY CHALCEDONY CHLORITE VEIN - 50° - 3-5% PYRITE.	49.63	27741	0.01	1.3		
52.43		47.12-47.55 HIGH DENSITY WHITE QUARTZ STRINGER ZONE - 10% QUARTZ. PROGRESSIVELY INCREASING EPIDOTE CONTENT.	50	27742	<0.01	0.8		
100%		47.55-48.08 QUARTZ VEIN. CREAMY WHITE QUARTZ (CONTAINING FRAGMENT OF TOTALLY RESSIMILATED KAOLINITED & SILICIFIED WALLROCK?) CUT BY LATER LIGHT GREY QUARTZ. VERY MINOR CHLORITE FRACTURE FILLING. TRACES ARSENITE? NO OTHER SULFIDES. BOTTOM CONTACT SHARP BRECCIATED.	51	27743	<0.01	0.3		
55.47		49.63-51.36 QUARTZ VEIN: 49.63-49.76 BRECCIATED & CHLORITIC. 49.76-50.12 70% ORANGE KAOLINITIC- EPIDOTIZED WALLROCK FRAGMENTS.	51.36	27744	<0.01	0.1		
88%			52	27745	<0.01	0.2		
57.61			53	27746	<0.01	0.1		
85%			54	27747	<0.01	0.1		
62.66			55	27748	<0.01	0.1		
			56	27749	<0.01	0.1		
			57	27750	<0.01	0.1		
			58	27751	<0.01	0.1		
			59					
			60					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
60.66		50.12-50.50 30% REDDISH PURPLE HEAVY		27752	60.01	0.1		
60.96		50.3-51.0 PALE GREY WITH CREAMY WHITE FRAGMENTS & FRACTURE FILLINGS. LOCAL OPEN VUGS.	61	27753	60.01	0.1		
62.33		51.0-2 CM IRREGULAR CREAMY WHITE JUICY QUARTZ BAND	62	27754	60.01	0.1		
62.55		51-51.36 MEDIUM GREY WITH FEW FRAGMENTS AND TAN CLAY FRACTURE FILLINGS. PYRITE <1%.	63	27755	60.01	0.1		
65.38		51.36-52.21 INTENSE CLAY ALTERED TAN CALCIFIED, MINOR QUARTZ AND CARBONATE STRINGERS.	64	27756	60.01	0.1		
66.75		51.36-51.56 AND 52.02-52.21 SHEARED SANDY GOUGE.	65	27757	60.01	0.1		
69.89		52.21-74.85 DARK GREEN - FAIRLY HOMOGENEOUS AUGITE FORECHY STRINGER AND VENTILET ZONE.	66	27758	60.01	0.1		
70.87		52.21-53 10 X 3MM STRINGERS IN NEARLY EPIDOTIZED ZONE	67	27759	60.01	0.1		
72.85		53.9 3 CM QUARTZ CHLORITE.	68	27760	60.01	0.1		
74.83		55.07-55.17 LIGHT GREY RIBBONED QUARTZ CHLORITE	69	27761	60.01	0.1		
76.81		55.19 5 mm QUARTZ CHLORITE	70	27762	0.01	0.5		
78.03		55.28-55.59 RIBBONED QUARTZ CHLORITE 90°	71	27763	60.01	0.1		
		55.39-60.9 18 X 4.5m QUARTZ AND QUARTZ- CARBONATE STRINGERS.	72	27764	60.01	0.1		
		60.4-60.59 WHITE QUARTZ - CARBONATE CHLORITE	73	27765	60.01	0.1		
		60.76-60.86 WHITE QUARTZ WITH 10% CHLORITIC WALLROCK FRAGMENTS.	74	27766	60.01	0.1		
		60.96-61.42 2-3 CM RIBBONED QUARTZ WITH CHLORITE ALONG AXIS.	75	27767	0.01	0.1		
		62.45-62.8 IRREGULAR QUARTZ-CARBONATE BRECCIA ALONG AXIS	76	27768	60.01	0.1		
		63.04-63.2 WHITE QUARTZ - CHLORITE FRACTURES	77	27769	60.01	0.1		
		64.48-64.62 WHITE QUARTZ - CHLORITIC FRAGMENTS.	78	27770	60.01	0.1		
		69.3 7 cm WHITE QUARTZ.	79	27771	60.01	0.1		
		70.4-70.87 WHITE QUARTZ - CHLORITIC FRAGMENTS & FRACTURES.	80					
		73.3 5 cm WHITE QUARTZ - CHLORITIC						
		74.26 7 cm WHITE QUARTZ - "						
		ONLY TRACES PYRITE IN ANY OF VEINS.						
		74.85-75.80 BLEACHED - CLAY ALTERED MEDIUM DENSITY - IRREGULAR LIGHT GREY QUARTZ STRINGER ZONE. 75.35 1 cm SHEAR FOLLOWED BY 2 cm CREAM AND GREY CHALCOPHY VEIN.						

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
98%		75.8-77.0 COSS WEAKLY SANDWICHED SAUSSURITIZED. FEW COARSE FRACTURES.		27772	<0.01	0.1		
81.08		77.05-77.15 WHITE QUARTZ - ENKORITIC FRAGMENTS.	81	27773	<0.01	<0.1		
		79.01-78.13 WH TE & LIGHT GRAY QUARTZ WITH CHLORITE - ORANGEY CARBONATE FRACTURE BANDS.	82	27774	<0.01	<0.1		
87%		79.6-80.43 WEAK IRREGULAR QUARTZ BRECCIA ALONG CORE AXIS. BROKEN DUE TO FRACTURE PARALLELING AXIS	83	27775	<0.01	0.1		
83.82		80.77 3 CM QUARTZ - ENKORITIC	84	27776	<0.01	0.1		
		81.25 & 81.36 4 CM & 2 CM RIBBONED WHITE QUARTZ - ENKORITIC	85	27777	<0.01	0.1		
92%		82.28 1 CM WHITE QUARTZ	86					
85.95		84.23 " " "	86.2					
111%		84.25-86.1 WEAKLY ALTERED - CHLORITE - EPIDOTE SLIGHT BLEACHING. SEVERAL IRREGULAR 1.5 MM QUARTZ AND QUARTZ - CARBONATE STRINGERS.	1.28	27778	<0.01	0.1		
87.48		86.1-87.28. MODERATE TO INTENSE CLAY ALTERED BLEACHED TAN-GREEN MEDIUM DENSITY QUARTZ VEINETS. 2% QUARTZ.	1.29	27779	<0.01	2.6		
86%			88.57					
		<u>87.28-96.2 QUARTZ VEIN:</u> WHITE AND LIGHT GREY. YELLOWISH KALONITIC FRACTURE FILINGS AND FRAGMENTS USUALLY LESS THAN 10% WITH EXCEPTIONS:	1.43	27780	<0.01	0.8		
90.22		88.57-90.58 FRACTURE BRECCIA - 15% QUARTZ STRINGERS < 2 CM INTENDING PALE YELLOWISH SPECKLED APHANTIC CLAY.	90	27781	0.02	0.7		
98%		99-99.4 SIMILAR TO ABOVE WITH MORE GREENISH SAUSSURITIC COLOUR.	91	27782	<0.01	0.2		
92.20		1-2% ARGENTITE? 87.48-88.57. THROUGHOUT REMAINDER LOCALITY UP TO 3% PYRITE MAINLY IN RATERED FRAGMENTS AVERAGE 1% OVERALL	92	27783	<0.01	1.4		
80%			93	27784	0.01	3.6		
92.57			94	27785	<0.01	0.6		
80%			95	27786	<0.01	0.4		
95.10		<u>96.2-112.29. META-SILTSTONE.</u>	1.2					
79%		87.28-106.22 BLEACHED REDDISH GREEN - INTENSE CLAY ALTERED. FEW SANDY BEDS. APPARENT BEDDING AT 90° TO AXIS. GENERALLY LOW STRENGTH DENSITY.	96.2	27787	<0.01	0.2		
96.73	97.33 4 CM SHEAR.		97	27788	0.01	2.3		
87%		96.3-97.33 11 x 2mm - 1cm QUARTZ.	98	27789	<0.01	0.2		
98.76		97.33 4 CM SHEAR AT 60°	99	27790	<0.01	0.5		
		97.75-98.05 RIBBONED LIGHT GREY QUARTZ	100					

0.01 - 1.28 / 8.92

100.33

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
91%		WITH MINOR CARB ALTERED FRAGMENTS AND CHALCOPRITE. TRACES PYRITE AND ARGENTITE?	100.35 100.85	27791	<0.01	0.4		
101.8		100.33-100.85 QUARTZ EPIDOTE BRECCIA	102	27792	<0.01	0.1		
100%		ROUNDED FRAGMENTS IN GREEN EPIDOTE-SILICA GROUNDMASS. FEW 2CM RIBBONED QUARTZ VEINAGETS. 3-7% PYRITE IN MATRIX AND FRACTURE FILLING.	103	27793	<0.01	<0.1		
103.99		102.8-102.88 QUARTZ FRACTURE BRECCIA VEIN 40% QUARTZ	104	27794	<0.01	0.1		
75%		109.8 3 CM WHITE & DARK GREEN QUARTZ. 2% PYRITE & CHALCOPYRITE	105	27795	<0.01	<0.1		
106.22		105.13-105.65 WHITE QUARTZ - FALE GREEN CHALCOPRITE. FRACTURE FILLINGS. TRACES ARGENTITE?	106	27796	0.01	1.1		
103%		105.65-106.05 7 x 2-5mm QUARTZ STRINGERS	107	27797	<0.01	0.1		
109.12		106.22-112.24 BECOMES WEAKLY ALTERED GREENISH META-SILTSTONE. WITH SEVERAL LOCAL BRECCIA SECTIONS. NUMEROUS MINOR OFFSETS APPARENT ALONG REGENERATED FRACTURES. FEW STRINGERS	108	27798	<0.01	0.1		
100%		106.7-107.2 5 x 1.5-2.2cm QUARTZ. 111.92 - 2 cm QUARTZ.	109	27799	<0.01	0.1		
112.16	112.16-112.24 SHEARED	112.24-112.44 QUARTZ BRECCIA VEIN. 30% PINKISH FRAGMENTS? CHALCOPRITE	110	27800	<0.01	0.1		
53%		112.44-118.41 VOLCANOGENIC BRECCIA	111	27801	<0.01	0.2		
115.38		112.44-113.03 WEAKLY SHEARED WALLROCK	112	27802	<0.01	0.1		
85%	116.35-118.41 SHEARED & BROKEN FAULT GOUGE	113.03-113.41 QUARTZ - SALMON PINK FEEDSPAR? REWORKED BRECCIA VEIN	113	27803	<0.01	0.3		
118.41		113.62-114.0 CHALCOPRITE, QUARTZ CARBONATE FRAGMENT SHEAR BRECCIA. - 80% CHALCOPRITE	114	27804	<0.01	1.0		
AVERAGE		114.5-115.23 SILICIFIED CHALCOPRIFIED WALLROCK. CONTAINING SEVERAL IRREGULAR 4cm WHITE QUARTZ STRINGERS.	114.5	27805	<0.01	0.3		
88%		115.23-118.41 BLEACHED - INTENSE REDDISH GREEN CARB ALTERED. 10% QUARTZ AS IRREGULAR FRAGMENTS AND STRINGERS TO 116.35.	115	27806	<0.01	0.4		
		116.35-118.41 SHEARED AND BROKEN - SEVERAL GOUGE FRACTURES.	116.35	27807	<0.01	0.7		
		117.2-117.33 BLACK FAULT GOUGE.	117	27808	<0.01	0.2		
		118.41 E.O.H.	118					
		HOLE STOPPED DUE TO APPARENT MISUNDERSTANDING BY DRILLER.	118.41					

S E R E M L T D .

D I A M O N D D R I L L L O G

PROJECT: TOODOSSONE

HOLE NO. 87-PM-2

ZONE: PERRY MASON

CORE SIZE: START BQ

LOCATION (N.T.S.) 94E / 2E

CHANGE _____

CLAIM: MASON 1

DATE STARTED: Aug 24, 1987

DATE COMPLETED: Aug 27, 1987

MINING DIVISION: OMENICA

LOGGED BY: MV

DATE: Aug 28, 1987

SURVEY INFORMATION

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

TOTAL LENGTH 229.36

GRID ZONE CO-ORDINATES 1958.9N 2107.4E

ELEVATION AT COLLAR 1748.93 M

DIRECTION:

DEPTH	AZIMUTH	INCLINATION
COLLAR	190°	-67°

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
		0-7.62 CASINGS.	1					
			2					
			3					
			4					
			5					
			6					
			7					
159%	7.62 - 11.6	<p>7.62 Takla Angite porphyry Breccia and interbedded well-bedded volcanogenic sediments. Intense epidotization throughout</p> <p>7.62-10.20 Quartz Vein Breccia with silicified and chloritized wallrock fragments. Cross-cut by limonite and clay fractures.</p> <p>10.20-10.88 Quartz veinlets parallel to core axis.</p> <p>10.88-11.80 Quartz Vein Breccia, brecciated and broken on both contacts. Lower contact sheared with chloritic shears and fractures. Shears 60° to core axis.</p> <p>11.80-12.50 Quartz - minor chalcedony vein with cream to gray chalcedony and minor calcite, subparallel (0-10°) to core axis. wallrock silicified and chloritized. Lower contact sheared.</p> <p>12.50-14.70 chloritized, silicified and slightly bleached wallrock cross-cut by minor epidote and calcite fracture fillings. quartz veinlets throughout.</p> <p>14.70-21.60 Quartz Vein Breccia with intense silicification, chloritization, epidotization of wallrock</p>	8	27566	<0.01	0.2		
80%	moderately broken core		9	27567	<0.01	0.2		
97%			10	27568	<0.01	0.2		
100%			11	27569	<0.01	0.2		
100%	11.6 - 14.7		12	27570	<0.01	0.2		
90%	Highly broken		13	27571	<0.01	0.4		
89%			14	27572	<0.01	<0.1		
97%			15	27573	<0.01	0.1		
50%			16	27574	<0.01	0.4		
00%			17	27575	<0.01	0.1		
20%	17.07 - 18.5		18	27576	<0.01	0.3		
00%	Highly broken		19	27577	<0.01	0.8		
00%	19.5 - 20.5		20	27578	<0.01	0.5		
00%	Highly broken							

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
98%	28.5 - 28.0	upto 10% pyrite in places in wallrock. extensive shearing and faulting.	20	27579	<0.01	0.4		
21	moderately broken	15.30 - 15.50 Brecciated quartz vein with quartz vein and silicified bleached wallrock fragments in pyritic chloritic matrix.	21	27580	<0.01	0.2		
100%			22	27581	<0.01	0.1		
100%		15.80 - 15.90 Calcite centres in vein.	23	27582	<0.01	<0.1		
23.47		16.60 - 16.85 quartz veins 80° & 10° to core axis cross-cut by calcite fractures.	24	27583	<0.01	0.2		
91%		16.85 - 17.00 quartz vein with calcite veinlet at upper contact and intense epidolized and silicified wallrock on lower contact.	25	27584	<0.01	0.4		
26.21		17.00 - 18.1 Broken core.	26	27585	<0.01	1.1		
		19.5 - 20.0 fault	27	27586	<0.01	1.0		
100%	28.0 - 28.9	21.60 - 23.30 Intensely silicified wallrock with minor bleaching. cross-cut by calcite and quartz stringers.	28	27587	<0.01	0.4		
28.96	Highly broken	23.30 - 26.70 Lesser silicification than 21.60-2330 more chloritic shears, epidote fractures cross-cut by calcite veinlets, upto 10% pyrite in wallrock.	29	27588	<0.01	0.3		
79%	31.24 - 42.3	26.11 - 26.21 intense silicification & bleaching.	30	27589	<0.01	0.2		
31.24	Highly broken	26.70 - 26.75 calcite veins (.5-1cm wide) at 25°-35° to core axis.	31	27590	<0.01	0.1		
100%		26.90 - 27.35 Quartz-calcite Vein Breccia cross-cut by calcite fracture fillings. wallrock at upper contact intensely epidolized.	32	27591	<0.01	0.2		
32.00		27.35 - 41.80 fine Grained green to dark green volcanogenic sediment with in situ pyrite, extensively broken with minor shearing. cross-cut by calcite fractures every 5 to 10 cm Minor chlorite alteration in places.	33	27592	<0.01	0.3		
87%			34	27593	<0.01	0.1		
87%			35	27594	<0.01	0.1		
35.46			36	27595	<0.01	0.1		
100%			37	27596	<0.01	0.1		
37.49			38	27597	<0.01	0.1		
100%			39	27598	<0.01	0.1		
37.96			40	27599	<0.01	0.1		

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
	42.3 - 43.70	41.80 - 43.70 Sheared and chloritized wallrock.	40	27599	<0.01	0.1		
97%	Sheared wallrock		41					
				27600	<0.01	0.1		
42.37			42					
	43.70 - 59.0			27601	<0.01	0.1		
100%	Highly broken	43.70 - 55.00 <u>Angite Porphyry</u> with angite phenocrysts, and up to 5% pyrite in matrix.	43					
	Core.	Cross-cut by calcite and quartz veinlets every 10-20 cm. minor bleaching and chlorite alteration in places.		27602	<0.01	0.1		
44.35			44					
				27603	<0.01	0.1		
100%			45					
				27604	<0.01	0.1		
46.02			46					
100%				27605	<0.01	0.1		
46.94			47					
100%		47.05 1 cm wide quartz-calcite vein at 50° to core axis.		27606	<0.01	0.1		
47.70			48					
86%		48.40 quartz-calcite vein with chloritized wallrock at 70° to core axis.		27607	<0.01	0.1		
49.22			49					
65%				27608	<0.01	0.1		
49.68			50					
98%		50.80 Banded quartz-chalcedony veinlets at 46° to core axis.		27609	<0.01	0.1		
50.90			51					
				27610	<0.01	0.1		
8%			52					
				27611	<0.01	0.1		
53.25			53					
				27612	<0.01	0.1		
100%			54					
				27613	<0.01	0.1		
55.47		55.00 - 67.7 <u>Volcanic breccia</u> with angite porphyry fragments in finer grained porphyritic matrix. Extensive quartz veining with dark grey sulfides (tetrahedrite? argentite?)	55					
				27614	<0.01	0.1		
100%			56					
				27615	<0.01	0.1		
58.22		56.20 - 57.00 2cm to 3cm wide quartz calcite veins every 5 to 10 cm. cross-cut by calcite fracture fillings. minor bleaching in wall rock.	57					
				27616	<0.01	0.3		
100%			58					
				27617	<0.01	0.2		
61.11		57.30 - 57.60 Quartz-chalcedony vein with	59					
				27618	<0.01	0.2		
			60					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAY			
					Au Oz/ton	Ag Oz/ton		
61.11		epidotized, chloritized and minor bleached wall rock and wall rock fragments, dark grey sulfides near upper contact - up to 1%. 50° to core axis.	60	27619	0.01	0.1		
			61					
			62	27620	0.01	0.2		
63.3 - 64.4		57.65 - 58.10 <u>Banded Quartz-chalcedony</u>	63	27621	0.01	0.6		
	Broken core with shearing.	vein with cream to grey chalcedony at 30° to core axis.	64	27622	0.01	5.1		
		58.90 - 59.00 quartz-chalcedony vein breccia brecciated by chlorite shears.	65	27623	0.01	0.3		
65.5 - 68.5	shearing & faulting.	59.08 .5 cm wide epidote fracture.	66	27624	0.01	0.4		
		59.40 - 59.60 same as 57.65 - 58.10	67	27625	0.01	0.1		
		60.60 3cm wide quartz vein 45° to core axis.	68	27626	0.01	0.1		
68.5 - 74.20		60.80 - 61.00 quartz fractures with hematite.	69	27627	0.01	0.1		
	Sheared & chloritized wallrock	62.80 - 62.80 <u>Quartz-chalcedony vein breccia</u> with intense chloritized epidotized wall rock, minor bleaching. Sulfides?	70	27628	0.01	1.8		
		62.60 - 63.00 <u>Banded Quartz-chalcedony-calcite vein breccia</u> with calcite veins. cross-cut by calcite fractures. Banded sulfides (tetrahedrite? argentite?) near upper contact. Intense chloritization and epidotization of wall rock.	71					
74.20 - 74.98	Fault	63.00 - 65.84 Chloritized and epidotized wallrock with quartz-chalcedony-calcite veins and veinlets upto 4 cm wide. minor shearing throughout. upto 4% pyrite.	72					
		65.50 - 65.84 <u>Banded Quartz Vein Breccia</u> with intense chloritized and epidotized wallrock. 30° to core axis. Sheared and broken core on lower contact.	73					
		65.84 - 74.20 <u>Brecciated and Sheared</u> wall rock with both wall rock and quartz vein fragments. wall rock intensely epidotized and chloritized throughout. minor calcite fracture fillings.	74					
			75					
			76					
			77					
			78					
			79					
			80					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAY			
					Au Oz/ton	Ag Oz/ton		
		74.20 - 74.98 <u>FAULT</u> 45° to core axis.	80					
		74.98 - 85.90 <u>Volcanic Breccia</u> intensely epidotized. Hematitic matrix and fractures in the lower part.	81					
	74.98 - 76.90 shearing	74.98 - 76.50 Intense shearing.	82					
		83.12 - 85.90 Intense shearing with hematitic shears.	83					
	83.12 - 85.90 intense shearing.	85.90 - 91.00 <u>Same as 74.98 - 85.90</u> cross-cut by clay and calcite fracture fillings.	84					
			85					
			86					
			87					
			88					
			89					
			90					
		91.00 - 93.45 Alternating Hematitic and Chloritic layers with epidote in matrix and in fractures. Minor chlorite in fractures layering 35° to core axis.	91					
		93.45 - 96.92 <u>Clay-altered Zone</u> due to faulting.	92					
	93.45 - 96.92 faulting.	94.80 - 94.90 gouge.	93					
		96.15 - 96.55 Shearing and broken core.	94					
		96.92 - 112.70 Volcanogenic sediment with fragments in places. Intense epidotiza- tion of matrix. Cross-cut by epidote fracture fillings.	95					
			96					
			97					
			98					
			99					
			100					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
			100					
			101					
			102					
			103					
			104					
			105					
			106					
			107					
			108					
			109					
			110					
			111					
			112					
		112.37 - 112.42 minor fault with brecciated fragments.	113					
		112.70 - 113.25 Volcanogenic Breccia with intense clay-altered fragments and matrix.	114					
		113.25 - 114.25 Same as 96.92 - 112.70.	115					
		114.25 - 115.40 Same as 112.70 - 113.25	116					
		115.40 - 173.20 Volcanogenic Breccia with minor interbeds of sediments. Fragments consist of angle porphyry. Intense epidote alteration in places. Cross-cut by calcite and quartz veinlets. Hematitic matrix in places.	117					
		118.7 - 118.95 Banded quartz-calcite vein	118					
			119					
			120					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
		10cm wide quartz-calcite vein banded with minor shearing 30° to core axis.	120					
			121					
		121.0 - 121.10 <u>Same as above</u> at 30° to core axis.	122					
			123					
		122.88 Pinkish calcite fracture 3mm wide at 35° to core axis	124					
			125					
			126					
			127					
		128.9 - 128.95 millimetric quartz - calcite breccia.	128					
			129					
			130					
		131.7 .5cm wide calcite fracture filling at 25° to core axis.	131					
			132					
			133					
			134					
		135.3 - 141.0 <u>Interbedded volcano-</u> <u>genic sediments and volcanic</u> <u>breccias</u> . bedding at 60° to core axis. Intense epidotization.	135					
			136					
			137					
			138					
			139					
			140					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
		141.00 - 173.40 <u>Volcanic Breccia</u> with intense epidotized matrix and chlorite altered fragments. <u>minor</u> interbedded volcanic sediments (well bedded). minor quartz-calcite veinlets. cross-cut by epidote fractures.	140				
			141				
			142				
			143				
			144				
			145				
			146				
		147.27 - 147.40 <u>Shear</u> with clayey gouge.	147				
		148.30 - 148.70 <u>Feldspar Porphyry</u> <u>fragment</u> with pink matrix.	148				
			149				
			150				
		151.80 <u>quartz-calcite fracture</u> fillings.	151				
			152				
			153				
			154				
			155				
			156				
			157				
			158				
			159				
			160				

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
			160					
			161					
			162					
		162.56 3mm wide quartz veinlet at 30° to core axis.	163					
164.3 - 165.4	Broken core.		164					
			165					
			166					
			167					
		168.75 3mm wide calcite-quartz fracture filling 50° to core axis.	168					
			169					
		170.70 Same as above.	170					
			171					
			172					
		173.40 - 178.90 <u>Volcanogenic Sediment</u> with intense epidotization, minor graded bedding, cross-cut by epidote fractures, minor interlayered volcanic breccias.	173					
			174					
			175					
			176					
			177					
		178.90 - End of Hole <u>Volcanogenic</u> <u>Sediment with more pronounced bedding.</u> Graded bedding throughout. Intense epidotization of matrix and fragments.	178					
			179					
			180					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAY			
					Au Oz/ton	Ag Oz/ton		
		Minor interlayered volcanic breccias	180					
		Volcanic breccia fragments chloritized and epidotized.	181					
			182					
			183					
			184	27629	<0.01	0.1		
		184.40-184.6 quartz - minor Calcite vein at 60° to core axis.	185	27630	<0.01	<0.1		
			186					
			187					
			188					
		188.5-190.5 quartz - Calcite veinlets up to 1cm wide at 35° to core axis.	189					
			190					
			191					
			192					
			193					
			194					
			195					
			196					
		196.9 minor shear.	197					
			198					
			199					
			200					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAY			
					Au Oz/ton	Ag Oz/ton		
			200					
		202.45 - 202.65 minor shear with gouge.	201					
			202					
			203					
		204.00 - 204.05 quartz veinlet breccia with shearing. at 55° to core axis.	204					
			205					
			206					
			207					
			208					
			209					
			210					
			211					
			212					
		213.24 - 214.20 Calcite fracture breccia.	213					
			214					
		214.20 - 214.40 Calcite veinlet parallel to core axis.	215					
			216					
		217.60 - 219.5. 2mm wide calcite fracture with shearing parallel to core axis.	217					
			218					
			219					
		229.36 E.O.H.	220					

Duplicate
PULLED.

S E R E M L T D .

D I A M O N D D R I L L L O G

PROJECT: TOODOGGONE

HOLE NO. B7 PM 3

ZONE: PERRY MASON

CORE SIZE: START BØ

LOCATION (N.T.S.) 94E / 2E

CHANGE _____

CLAIM: MASON I

DATE STARTED: AUG 27 1987

DATE COMPLETED: AUG 29 1987

MINING DIVISION: OMINECA

LOGGED BY: Patent & Rail

DATE: AUG 31 - SEPT 1

SURVEY INFORMATION

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

TOTAL LENGTH 115.98

GRID ZONE CO-ORDINATES 1958.4 N 2108.3 E

ELEVATION AT COLLAR 1748.97. M

DIRECTION: DEPTH AZIMUTH INCLINATION

DIRECTION:	DEPTH	AZIMUTH	INCLINATION
COLLAR		165°	-50°

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
0-6.71	CASING & OVERBURDEN No CORE RECOVERED.		1 2 3 4 5 6					
6.71	6.71-44.5 HIGHLY FRACTURED BROKEN & FRAGMENTED	6.71-30.03 META-SILTSTONE: MEDIUM TO DARK GREEN. LOCAL BEDDING FEATURES AT 40°. HIGHLY FRACTURED - CARBONATE AND/OR EPIDOTE FRACTURE FILLINGS.	7 8 9 10					
33%								
10.67		11.7-11.87 PINKISH BLEACH ZONE - ABUNDANT EPIDOTE - CONTAINS A 2 CM WHITE QUARTZ AND A 3 CM QUARTZ-CARBONATE - EPIDOTE VEIN - N.V.S.	11 12					
90%								
13.41		14.45-14.6 WHITE QUARTZ CARBONATE STRINGER VEIN. - IRREGULAR - INTENSE EPIDOTIZATION - MINOR PINK BLEACHING. 1-2% PYRITE	13 14 15					
89%								
13.87		15.4-15.56 PINKISH BLEACH AROUND. 7mm QUARTZ-CARBONATE AT 30°	16 17					
16.66		16.75-16.8 - 2 CORE FRAGMENTS WITH INTENSE EPIDOTIZATION - SALMON PINK BLEACHING.	18 19					
71%		17.2-20.07 BLOTCHY PINKISH BLEACHED WALLROCK. HIGHLY FRACTURED AND BROKEN.	19					
18.27								
76%								
20.27				27945	20.01	0.1		

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
20.27		17.2-17.5 INTENSE EPIDOTIFIED BANDED QUARTZ VEIN - 4 CM	20.87					
66%		CUT BY NUMEROUS LITTLE SCALE CARBONATES WHICH CAUSE MINOR OFFSETS. QUARTZ	21.75	27946	40.01	0.3		
21.55		VEINING 20° TO AXIS. CARBONATES 40-80°	22.45					
81%		19.05-18.2 > 4 CM QUARTZ-CHLORITE- EPIDOTE VEIN AT 20° CUT OFF ON	23.8	27947	40.01	0.4		
23.37-23.42	CHLORITIC SHEAR.	UPPER SIDE BY SLICKENSIDED FRACTURE AT 35°	24					
24.07		ALSO NOTE SEVERAL MINOR OFFSETS TO BEDDING BY 20° FRACTURES.	25					
68%	24.0-25.75 HIGHLY BROKEN FRAGMENTED.		26					
25.45		19.6-19.88 QUARTZ STEINER ROWE 10% QUARTZ. WALL ROCK PINKISH BLEACHED WITH EPIDOTE AND EPIDOTE	27					
53%	26.05-27.03 HIGHLY BROKEN- FRAGMENTED.	19.88-20.1 WHITE QUARTZ WITH HIGH DENSITY PINKISH CARBONATE FRACTURING	27.53	27948	0.08	8.8		
26.82		20.87-21.73 WHITE QUARTZ - LOCAL HIGH DENSITY CARBONATE FRACTURES. - MINOR EPIDOTE - FEW CHLORITIC WALLROCK HORSTS. TRACES PYRITE	28.25					
64%		22.45-23.8 QUARTZ VEIN. 45% WHITE QUARTZ CUTTING 40% MEDIUM GREY QUARTZ CONTAINING CHLORITE AND 3-5% PYRITE AND 20% CHLORITIZED WALLROCK FRAGMENTS. 23.37-23.42 SHEARED CHLORITIC WALLROCK. 23.7-23.8 REVERSED CARBONATE-CHLORITE SHEAR BRECCIA	29					
27.43		25.25-25.3 BLEACHED SILICIOUS PINK GREY WALLROCK CONTAINING 3mm & 15mm FALE GREEN QUARTZ-CHLORITE-EPIDOTE AT 70°	30					
89%		27.28 6 CM WHITE QUARTZ.	31					
28.96		27.53-28.25 QUARTZ VEIN. MINKY WHITE WITH MINOR GREY; CHLORITE OPEN SPACE & FRACTURE FILLINGS.	32					
57%		3-5% WALLROCK FRAGMENTS. 3 CM INTENSE EPIDOTIFIED BAND ALONG BOTTOM CONTACT. TRACES PYRITE IN GREY QUARTZ.	33					
30.8		28.35-25.81 6 MM WHITE QUARTZ ALONG CORE AXIS.	34					
55%		29.68 3 CM WHITE QUARTZ - CHLORITE.	35					
31.39		30.0 6 CM " " "	36					
38%			37					
32.31			38					
74%			38.01	27949	40.01	0.4		
23.53			38.42					
69%			39					
35.66			40					
67%								
26.27								
70%								
37.49								
165%								
38.00								
2%								

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
3%	38.40-41.45 - LOST CORE	30.03 - 105.89 FINE GRAINED DARK GREEN ANDESITE: MEDIUM - HIGH DENSITY CARBONATE FRACTURE FILLINGS.	41					
41.45			41.45	27950	0.01	0.1		
76%		33.78 - 33.78 1 CM GREEN CHLORITIC QUARTZ AT 65°	42					
		34.47 3 CM GREENISH CHLORITIC QUARTZ AT 60°	43	27951	0.01	0.1		
44.20		35.54 3 CM BANNED GREENISH QUARTZ - PINKISH CARBONATE BRECCIA VEIN.	44					
		35.79 3 CM BANNED GREENISH QUARTZ.	45					
100%		37.0 3 CM " " "						
		38.05 - 38.3 SILICIFIED - CHLORITIC - EPIDOTE SECTION 3% PALE BROWN AMBLYCLIN GARNET?	46					
47.24		38.40 - 41.45 TUBE MISLATER FEW PERBAS RECOVERED	47					
80%		41.45 - 41.9. QUARTZ - CARBONATE BRECCIA. 15% CARBONATE QUARTZ AS IRREGULAR STRINGERS AND MASSES. WITHIN AND AROUND INTENSELY CHLORITIC - EPIDOTIZED WALL ROCK.	48					
48.62			48.7	27952	0.01	0.1		
100%		49.33 - 49.96 SECTIONS CONTAINS 9 X 2.7 15 MM WHITE TO LIGHT GREY QUARTZ VEINLETS.	50					
51.66		44.44 5 MM WHITE QUARTZ 45°	51					
		44.70 1 CM " " 60°	52					
95%		45.7 - 46.4. CHLORITE - EPIDOTE FRACTURE FILLING TO ZONE CONTAINING SEVERAL 2.2 MM QUARTZ STRINGERS.	53					
54.55		47.75 - 48.05 SEVERAL SUBPARALLEL 1.5 MM QUARTZ STRINGERS.	54	27953	0.01	0.2		
		48.76 - 48.86 WHITE QUARTZ WITH EPIDOTE.	55	27954	0.01	0.1		
101%		49.86 - 49.8. CONTAINS A FEW QUARTZ STRINGERS - QUARTZ - EPIDOTE STRINGER AND PYRITIC CARBONATE STRINGERS. 20 - 70°.	55	27955	0.01	0.3		
57.61		51.06 4 CM QUARTZ - CHLORITE EPIDOTE WITH PINKISH CARBONATE FRACTURES. TRACE PYRITE 20° TO AXIS.	56	27956	0.01	0.2		
95%		53.05 - 53.72 WHITE QUARTZ VEIN: 7% CHLORITE - EPIDOTE TRACES PYRITE AND ARGENTITE.	57	27957	0.01	0.2		
		53.72 - 53.8 INTENSE CLAY ALTERED.	58	27958	0.01	0.2		
60.66			59	27959	0.01	0.6		
			59.75	27960	0.01	1.0		

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
60.66		53.8-53.92 BRECCIA - QUARTZ-CHLORITE AND WALKROCK FRAGMENTS IN EPIDOTE GROUNDMASS	60.3	27961	0.01	0.4	
			61	27962	0.01	1.3	
96%		53.92-55.45 HIGH DENSITY QUARTZ STRINGER ZONE 26 X 2mm - 7mm LIGHT GREY QUARTZ MINOR CARBONATE	62	27963	0.01	0.9	
		55.45-57.13 SLIGHT BLEACHING - FEW QUARTZ STRINGERS - 1-3% PYRITE	63	27964	0.01	0.2	
63.7		57.13-57.7 QUARTZ VEIN. 10-15% CHLORITE. TRACE PYRITE - CONTACTS IRREGULAR AND FRAGMENTAL.	63.7	27965	0.01	0.2	
87%							
65.53		57.7-58.85 MEDIUM-HIGH DENSITY QUARTZ STRINGER AND FRAGMENT SECTION. 3% QUARTZ INCLUDING 9 CM WHITE QUARTZ VEIN AT 58.51	65	27966	0.01	0.1	
			66.25	27967	0.01	0.2	
91%		58.85-59.75 QUARTZ BRECCIA - AUTO BRECCIA. ROUNDED TO SUB-ANGULAR QUARTZ AND CHLORITE FRAGMENTS - MICRO TO 5 CM.	66.95	27968	0.01	0.2	
67.97		59.75-60.3 QUARTZ VEIN - MOSTLY LIGHT GREY 5% CHLORITE. EPIDOTE CARBONATE FRACTURE FILLINGS. - TRACE PYRITE.	68.64	27969	0.01	0.1	
97%		60.3-63.7 HIGH DENSITY QUARTZ VEINLET ZONE 2.3 X 5mm TO 6 CM WHITE TO LIGHT GREY BANDED QUARTZ. MOST AT 60°; 2 AT 30°; 1 AT 100°	70	27970	0.01	0.4	
71.02	71.02-72	61.96 5mm DARK GREY BAND WITH A 6 CM VEIN - 1-5% PYRITE-ARGENTITE	71	27971	0.01	0.8	
88%	HIGHLY FRACTURED FRAGMENTED						
72.39		63.7-66.25 LOW DENSITY STRINGERS. 11 X 2mm - 7mm LIGHT GREY QUARTZ.	72.16	27972	0.01	0.1	
		66.25-66.95 WEAKLY ALTERED MEDIUM DENSITY STRINGER ZONE	72.85	27973	0.01	0.2	
84%		66.93-68.64 WEAKLY BLEACHED GROUNDMASS "SPECKLED" WITH CHLORITE - HIGH DENSITY WHITE TO LIGHT GREY STRINGERS. 3% QUARTZ - TRACE PYRITE	73.02	27974	0.01	1.4	
74.52			73.9	27975	0.01	0.3	
88%		68.64-71.02 BLEACHED REDDISH AND GREY SILICIFIED WALKROCK. HIGH DENSITY STRINGER - VEINLET ZONE. 2mm - 15 CM. MAINLY WHITE QUARTZ WITH CHLORITE. MAINLY 60° TRACES PYRITE - EPIDOTE FRACTURE FILLINGS. 5% QUARTZ	75	27976	0.01	0.3	
			76.16	27977	0.08	15.0	
77.42		71.02-72.16 INTENSE GREENISH GREY BLEACH. TOTAL DESTRUCTION ORIGINAL TEXTURE - HIGHLY FRACTURED. SEVERAL IRREGULAR WHITE QUARTZ VEINLETS. 3% QUARTZ.	77.42	27978	0.01	1.0	0.05 - 7.93 / 4.13
110%			78.5	27979	0.01	0.7	
78.49	78.49-79		78.89	27980	0.08	11.0	
83%	FRAGMENTAL BOULE		80.49				
79.25							
61%							
80.01							

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
80.01		72.16-72.95 <u>WHITE QUARTZ</u> - HIGH DENSITY CARBONATE FRACTURING. TRACES ARGENTITE	80.27	27981	40.01	0.5		
93%		72.95-73.02 BLEACHED HIGH DENSITY STRINGER VEINLET ZONE AS 68.64-71.02	81	27982	40.01	0.2		
82.3-85.65	HIGHLY BROKEN & FRAGMENTED.	73.02-73.9 <u>QUARTZ VEIN</u> . WEAK BROKEN BANDS WHITE AND MEDIUM GREY MINOR CHLORITE STRINGERS & FRACTURE FILLINGS. TRACE PYRITE.	82.05	27983	0.01	2.4		
83.06		73.9-75.47 BLEACHED MEDIUM DENSITY STRINGER ZONE.	82.57	27984	40.01	0.4		
69%		75.47-75.85 <u>QUARTZ VEIN</u> . WALLROCK FRAGMENT DUE TO FRACTURE ALONG HUIS, MAINLY WHITE QUARTZ. 2 STAGE CARBONATE FRACTURE FILLINGS 1-3% ARGENTITE.	84	27985	40.01	0.1		
85.69	85.99-86.13 FRAGMENTED.	75.85-76.16 INTENSE BLEACHED HIGHLY FRACTURED 3% QUARTZ AS 71.02- 72.16	85	27986	40.01	1.0		
77%		76.16-77.62. <u>QUARTZ VEIN</u> . - WHITE MASSIVE TO SUB-CRYSTALLINE. FEW TOTALLY DESTROYED ARKAIKIC FRAGMENTS. MINOR OCHREOUS HEMATITE. 3% BLACK ARGENTITE? AS DISSEMINATIONS AND FRACTURE FILLINGS.	86	27987	40.01	0.2		
87.78	87.02-87.87 FRAGMENTED.	77.62-79.39. <u>QUARTZ VEINING</u> CONTAINING 50% TAN COLOURED KAOLINITE FRAGMENTS. TRACES ARGENTITE.	87	27988	40.01	40.1		
	88.15-89.3 FRAGMENTED.	79.39-80.29. (1.66m CORE) <u>QUARTZ VEIN</u> . WHITE WITH 5% PALE GREEN AND MINOR EPIDOTE FRAGMENTS. 5.15% ARGENTITE IN 10 CM ZONES AT CONTACTS.	88	27989	40.01	0.9		
89%		80.29-81.0 OLIVE GREEN BLEACH - HIGH DENSITY STRINGER VEINLET ZONE WHITE WEAKLY BANNED QUARTZ, TRACE PYRITE.	89.35	27990	0.01	1.9		
91.29	91.44-92.8 HIGHLY BROKEN.	81.0-84.35 "FRESH" TO WEAKLY BLEACHED LOW-MEDIUM DENSITY STRINGER AND VEINLET ZONE. 10/METER CORE MOSTLY BROKEN & FRAGMENTED.	90.89	27991	40.01	0.3		
71%		84.05-82.57 <u>QUARTZ CHLORITE</u> - MAINLY LIGHT GREY - 71% ARGENTITE. AFTER 82.31 BECOMES FRAGMENTED - 50:50 QUARTZ - CHLORITIC WALLROCK.	92	27992	40.01	0.2		
93.27			93	27993	40.01	0.2		
95%			94	27994	40.01	0.4		
94.79			95.15	27995	40.01	0.3		
92%			96	27996	0.01	1.4		
97.54			96.75	27997	40.01	0.1		
68%			98	27998	40.01	0.1		
98.45			99	27999	40.01	0.1		
96%								
99.37								
92%								
100.88								

100.58

87 111 5

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
100.28		83.03-83.15 BANNED WHITE & GREY QUARTZ WITH SALMON PINK CARBONATE? AND CHLORITE PARALLEL FRACTURES. TRACES ARGENTITE?	100.58	28000	40.01	0.3		
82%		85.7-85.78 CHLORITE LIGHT GREY QUARTZ TRACES ARGENTITE.	101	32001	40.01	0.1		
103.02		88.32-88.55 HIGHLY FRACTURED WHITE AND LIGHT GREY QUARTZ. CHLORITIC N.U.S.	102	32002	40.01	0.1		
93%		89.35-90.89 <u>QUARTZ VEIN?</u> MAINLY LIGHT GREY WITH FEW LIPAR WHITE STRIPLERS 1-3% EPIDOTE MINOR CHLORITE. RARE PYRITE	103	32003	40.01	1.8		
104.85		90.89-95.13 WEAKLY BREACHED - TO HIGHLY FRACTURED REWORKED FRAGMENTAL HIGH DENSITY CARBONATE FRACTURE FILLINGS MINOR QUARTZ TO 93.8. AFTER 93.8 3% QUARTZ HIS 3MM TO 5CM VEINLETS.	104	32004	40.01	0.7		
99%		94.79-94.99 QUARTZ-CHLORITE-EPIDOTE AT 30° TRAP PYRITE	105	32005	0.01	1.9		
107.59		95.13-96.75 <u>QUARTZ VEIN</u> MOSTLY LIGHT GREY WITH CHLORITE AND EPIDOTE AS 89.35-90.84. AFTER 96.24 SEVERAL IRREGULAR WHITE VEINLETS AND OPEN SPACE FILLINGS? AFTER 96.6 IRREGULAR "GRAINS" AND FRACTURE FILLINGS SET BLACK CHLORITE?	105.89	32006	40.01	0.2		
81%		96.75-100.58 MINOR QUARTZ - LOW DENSITY CARBONATES.	107	32007	40.01	0.2		
108.66		100.58-105.89: <u>QUARTZ VEIN.</u> 50:50 WHITE AND LIGHT GREY. FEW CHLORITIC FRAGMENTS CHLORITE AND EPIDOTE FRACTURE FILLING <2% MINOR LOCALIZED PYRITE. RARE ARGENTITE.	108	32008	40.01	0.2		
95%		105.89-115.98 <u>META-SILTSTONE.</u> HIGHLY FRACTURED - CARBONATE FRACTURE FILLINGS PARALLEL AND GROSS CUTTING BEDDING. MINOR QUARTZ 1 x 2.5mm / METER.	108.89	32009	40.01	0.3		
111.56			109.75	32010	40.01	0.1		
86%			111					
113.08	113-115.52		112					
100%	HIGHLY BROKEN		113					
113.59			114					
67%			115					
115.52			115.89		E.O.H.			
93%								
115.98								
80%								
OR HOLE								

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
		<p>108.89-109.75 BRECCIA: IRREGULAR SHAPED FRAGMENTS OF; BLEACHED WALLROCK } CHLORITIC } PALE BROWN GARNETIFEROUS ? IN A IRREGULAR NETWORK OF WHITE QUARTZ 10% QUARTZ. EPIDOTE FRACTURE FILLING PERVASIVE THROUGHOUT. PYRITE IN LOCAL CONCENTRATIONS AND FINELY DISSEMINATED < 2% OVERALL</p> <p>113.11 5cm WHITE QUARTZ BRECCIA VEIN. WALLROCK FRAGMENTS AND CLOTS OF EPIDOTE.</p> <p>115.98 EDH</p>					

SEREM LTD.

DIAMOND DRILL LOG

PROJECT: TOODOGGONE

HOLE NO. 87 PM 4

ZONE: PERRY MASON

CORE SIZE: START BQ

LOCATION (N.T.S.) 99E / 6E

CHANGE _____

CLAIM: MASON 1

DATE STARTED: AUG 29 1987

DATE COMPLETED: AUG 31 1987

MINING DIVISION: OMENICA

LOGGED BY: Robert E. Tall

DATE: SEPT 3 & 4 1987

SURVEY INFORMATION

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

TOTAL LENGTH 163.37

GRID ZONE CO-ORDINATES 1958.9N 2108.3E

ELEVATION AT COLLAR 1748.97 M

DIRECTION: DEPTH AZIMUTH INCLINATION

DIRECTION:	DEPTH	AZIMUTH	INCLINATION
	COLLAR	165°	60.5°
	158.50		57°

0-79.25

79.25-163.37 (84.12)

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
0 - 8.23	CASING AND OVERBURDEN NO CORE RECOVERED.	8.23 - 30.59. META-SILTSTONE: LIGHT TO DARK GREEN FELDSPATIC. HIGHLY FRACTURED WITH EPIDOTE AND CARBONATE FILLINGS. FEW QUARTZ VEINLETS. 9.65-9.71 QUARTZ STRINGER 3x 5MM WITH CHLORITE, EPIDOTE, CARBONATE AND MINOR PYRITE. 12.95-12.73 WEAK QUARTZ VEIN WITH INTENSE EPIDOTE. HIGH DENSITY CARBONATE FRACTURING. 16.46-16.62 BRECCIA VEIN. FRAGMENTS OF QUARTZ, SILIMON PINK FELDSPAR AND WALL ROCK FINE GRAINED EPIDOTIZED QUARTZ - FELDSPAR GROUNDMASS. 17.0-20.2 WEAK BLEACHING AND SILICIFICATION? PINKISH AND GREENISH GREY. FEW MINOR < 2MM QUARTZ STRINGERS. 22.1-25.69. QUARTZ VEINING ZONE. 22.1-22.47 FRAGMENTED CORE. CONTAINING SERIES OF 15MM WHITE QUARTZ VEINLETS AT LOW ANGLE TO RTIS. HAIRLINE PINK CARBONATE FRACTURING AT NEAR RIGHT ANGLES- TENSION FEATURES. WALLROCK CHLORITIC AND EPIDOTE PERVASIVE THROUGHOUT. 1-2% PYRITE - MAINLY IN HOST. 22.47-23.26 MAINLY MASSIVE WHITE - LIGHT GREY QUARTZ - 3CM MEDIUM GREY BAND AT 22.65 FEW CHLORITIC WALLROCK REMNANTS AND FRAGMENTS. < 1% ARABNITITE THROUGHOUT. 23.26-24.66 SERIES OF 7MM TO 10MM QUARTZ VEINLETS. AT 30-60°. CORE BROKEN. MINOR EPIDOTE AND CHLORITE M.I.S.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20					
8.23 58% 9.45 82% 10.67 74% 11.58 92% 13.11 87% 15.24 61% 16.46 16.76 17.07 60% 18.59 89% 19.81	8.23-79. HIGHLY FRACTURED & BROKEN. 14.6A-16.76 HIGHLY BROKEN AND FRAGMENTED.							

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAY			
					Au Oz/ton	Ag Oz/ton		
29% 20.42								
55%			21					
21.95	22.05 - 22.6 FRAGMENTED.	25.05 - 25.55 HIGHLY BROKEN - FRAGMENTED "CRACKLE" FEATURED WHITE QUARTZ APPEARS TO HAVE BEEN LOW ANGLE TRACE PYRITE.	22					
78%			22.1 22.47	32257	40.01	0.6		
			23.26	32258	40.01	0.4		
	23.92 - 25.71 HIGHLY BROKEN TO FRAGMENTED.	25.71 - 26.11 QUARTZ BRECCIA VEIN FRAGMENTS OF MEDIUM GREEN PYRITIC QUARTZ IN WHITE QUARTZ, LOCALLY WHITE QUARTZ BRECCIATED BY CHLORITIC -PYRITIC FRACTURING. LOCALLY UP TO 10% PYRITE IN CHLORITE AND DARKER QUARTZ 8% OVERALL.	23.92	32259	40.01	0.4		
24.59			24.66					
67%			25					
25.45	25.61 - 25.71 SHEARED.		25.05	32260	0.02	0.9		
92%			25.55					
26.21			25.71 26.11	32261	0.01	0.5		
93%								
27.45		30.59 - 55.9.	27					
		DARK GREEN FINE GRAINED - APHANITIC ANDESITE. GENERALLY. LOW DENSITY QUARTZ AND/OR CARBONATE STRINGERS 1-2 PER METER. 2-3 MM. MINOR EPIDOTE AND BLEACHED HALOS AROUND SOME STRINGERS.	28					
77%			29					
29.72			30					
80%			31					
31.39			32					
67%			33					
32.46			34					
60%			35					
33.83			36					
72%			37					
35.36			38					
60%			39					
37.49			40					
70%								
38.40	38.4 - 41.45 MISLATCH - LOST LOG							
15%								

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
15%							
41.45	41.45-45.16		41				
90%	HIGHLY BROKEN		42				
42.48	& FRAGMENTED.		43				
62%			44				
44.20			45				
69%			45.16	32262	0.01	4.0	
44.81		<u>45.16-48.4 QUARTZ VEINING:</u>	46.05	32263	20.01	1.0	
66%		45.16-46.05 MASSIVE WHITE TO LIGHT GREY 3-5% CHLORITIC & EPIDOTIFIED AND/OR SERICITIC FRAGMENTS. TRACES ARGENTITE.	46.8	32264	0.01	4.6	
46.18		46.05-46.8. CHLORITIC FRAGMENTS 40% OF SECTION. TRACES ARGENTITE AND PYRITE.	47.55	32265	20.01	0.5	
96%		46.8-47.55 LIGHT GREY, QUARTZ - 5-7% CREAMY WHITE SERICITE OR KILWAHITIC REMAINTS. 2-3% ARGENTITE.	48.4	32266	20.01	0.2	
47.55		47.55-48.4. STRINGER AND VEIN ZONE	49	32267	20.01	0.3	
96%		40% QUARTZ - WHITE TO LIGHT GREY WITH CHLORITIC FRAGMENTS. REMAINDER CHLORITIC TO INTENSELY BLEACHED-SILICIFIED WALLROCK. TRACES ARGENTITE AND PYRITE.	50	32268	20.01	0.1	
49.88		<u>48.4-50.05 WEAKLY BLEACHED WALLROCK</u>	51	32269	20.01	0.1	
82%		LOW DENSITY QUARTZ STRINGERS AND VEINLETS. 11 X 2MM TO 2 CM.	51.99	32270	20.01	0.2	
52.43		<u>50.85-50.92 WHITE QUARTZ WITH CHLORITE AND EPIDOTE FRACTURE FILLING STRINGERS ALL AT 40°</u>	52.4	32271	0.01	1.1	
95%		51.99-52.4 BRECCIA: VAGUE QUARTZ AND PINKISH FELDSPAR? FRAGMENTS IN A SINICIOUS INTENSELY CHLORITIC GROUND MASS.	53.33	32272	20.01	0.3	
55.02		<u>52.4-53.33 QUARTZ VEINING:</u>	54.5	32273	20.01	0.4	
94%		60% HIGHLY FRACTURED CHLORITIC WHITE QUARTZ. REMAINDER OF SECTION WEAKLY BLEACHED WALLROCK. LOW ANGLE VEIN?	55.5	32274	20.01	0.2	
58.06			56.87	32275	20.01	0.2	
97%			58	32276	20.01	0.2	
			59				
			60				

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
97%		53.33 - 54.5 HIGH DENSITY QUARTZ						
60.96		STRINGERS 18 x 2mm.	61					
64%		54.05 - 54.2 BANDED QUARTZ-CARBONATE						
62.18		4cm - BROKEN AT 25° CUT OFF AT	62					
25%		50.42 BY FRACTURE AT 135°						
62.48		54.5 - 56.87 IRREGULAR PATCHY CRACKLE	63					
93%		FRACTURED WHITE QUARTZ VEINING						
63.70		AND LOW ANGLE VEINLETS, 2 CM	64					
82%		ALONG WITH LOCAL FRACTURE BRECCIAS.	64.66					
		60% QUARTZ. 40% INTENSELY GREENISH						
		BLEACHED WILKROCK.		32277	40.01	0.1		
65.84		55.4 - 72.0 META-SILTSTONE - CONTACT SOMEWHAT	66.19					
		ARBITRARY DUE TO QUARTZ VEINING	67					
82%		56.87 - 58.0 MEDIUM DENSITY QUARTZ						
		STRINGERS 14 x 2mm - 7mm. IN	68					
68.58		PINKISH BLEACHED WILKROCK - MINOR						
81%		CHLORITE AND EPIDOTE.	69					
69.80		58.0 - 64.66 LOW DENSITY HAIRLINE	70					
		TO 3mm STRINGER ZONE. 8-10 /METER.						
		PINKISH BLEACH AROUND MOST.	71					
89%		62.7 - 62.91 WHITE QUARTZ VEINING.						
		3cm AT 300 MINOR CHLORITE AND	72					
		EPIDOTE.						
72.85		63.70 - 63.87 9cm GREY QUARTZ.	73					
89%		CHLORITE - EPIDOTE - CARBONATE -						
		4mm SALMON PINK FERDSPHER?	74					
74.98		STRINGER ALONG UPPER CONTACT.						
		40° 1% PIRITE.	75					
87%		64.66 - 66.19 HIGH DENSITY STRINGER	76					
		VEINLET ZONE 7% QUARTZ. NEARLY						
		BANDED - WHITE WITH CHLORITE AND	77					
		EPIDOTE FRACTURE FILLINGS - PARALLEL.						
78.03		NVS.	78					
99%		AFTER 66.19 ONLY FEW MILLIMETRIC	79					
		QUARTZ STRINGERS NOTED.	79.44					
				32278	0.01	1.3		

80.16

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAY			
					Au Oz/ton	Ag Oz/ton		
97%		<u>72.0 - 78.68</u> FINE GRAINED ANDESITE - AS ABOVE.	80.16					
81.08		3 CM CARBONATE - EPIDOTE VEIN AT UPPER CONTACT HT 35°		32279	20.01	0.1		
		3 CM BOUNDINED CARBONATE - CHLORITE VEIN 65° AT LOWER CONTACT.	81.58 82					
98%		SECTION CONTAINS FEW MINOR LAM QUARTZ CARBONITE STRINGERS.	83					
84.12			83.86	32280	20.01	0.3		
		<u>78.68 - 92.14.</u> INTENSE CLAY ALTERED SHEAR ZONE.	85.18	32281	20.01	0.2		
98%		<u>78.9 - 83.85</u> - SILTSTONE	86.5					
87.17		<u>83.85 - 163.37</u> VOLCANIC BRECCIA.	87					
		CLAY ALTERED SECTION TAN PINKISH AND GREENISH. WEAK EPIDOTE PERVASIVE THROUGHOUT. EPIDOTE CHLORITE MORE INTENSE IN LESSOR ALTERED SECTIONS.	88					
100%		78.95 - 79.03 SHEAR GOUGE.	89					
		79.44 - 79.74 QUARTZ VEIN. WHITE, BANDER, SALMON PINK AND INTENSE CLAY ALTERED FRAGMENTS. ARGENTITE STRINGERS IN LAST 2 CM.	90					
90.22		79.74 - 81.58 LOW DENSITY QUARTZ STRINGERS AND VEINETS. MAJORITY BROKEN & OFFSET BY 135° FRACTURES VEINING 50°	91					
100%		80.18 - 81.29 SHEARED WALLROCK WITH SHEAR GOUGE; 4 CM AT 80.78 10 CM AT 81.0	92					
93.21		83.47 - 83.86 SHEAR GOUGE.	93					
100%		83.86 - 85.18. QUARTZ BRECCIA. CHLORITIC AND EPIDOTIZED ALONG WITH FEW SILICIOUS PINKISH MEMBRANIZED PARTIALLY ASSIMILATED FRAGMENTS - VAGUE SHAPES AND BOUNDARIES IN A 10 - 20 % WHITE - LIGHT GREY QUARTZ GROUNDMASS.	94					
			95					
96.32			96					
			97					
99%			98					
			99					
99.36			100					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
		85.18-90.4 90% SHEARED & BROKEN. WITH A TOTAL OF 1.56 METERS OF CRUMBLY SHEAR GOUGE.	101					
		85.18-89.9 1-2% QUARTZ - FRAGMENTED VEINLETS.	102					
		89.9-90.22 DARK GREY CLAYEY FAULT GOUGE.	103					
		91.98-92.14 WEAKLY SHEARED WALLROCK.	104					
		92.14-163.37 EON	105					
		INTERBANDED VOLCANIC BRECCIA SILTSTONE AND SANDSTONE.	106					
		MODERATE TO INTENSE EPIDOTIZATION THROUGHOUT. FEW MINOR QUARTZ AND CARBONATE STRINGERS AND FRACTURE FILLINGS.	107					
		GENERALLY WEAKLY FRACTURED - COMPETANT OTHER THAN WHERE SHEARED AND FAULTED.	108					
			109					
			110					
			111					
			112					
		112.22-112.26 - ZONERED GOUGE. NO SHEARING EITHER SIDE.	113					
			114					
			115					
		115.25-115.7 WEAKLY BROKEN AND SHEARED. FEW GOUGEY FRACTURES.	116					
			117					
			118					
			119					
			120					

CORE RECOVERIES NEAR 100%
TO E.O.H.

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
			121				
			122				
			123				
			124				
			125				
			126				
			127				
			128				
			129				
		130.55-131.57. WEAKLY SHEARED CARBONATE-CHLORITE SLIP ALONG FRAS.	130				
			131				
			132				
			133				
			134				
		135.1-135.35. MUDDY FRAGMENTAL GONGE	135				
		136.58-136.61 SHEAR GONGE.	136				
			137				
			138				
			139				
			140				

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAY			
					Au Oz/ton	Ag Oz/ton		
		140.55-140.62 SHEAR GOUGE.						
		140.8-141.62 WEAK CLAY ALTERATION AND MINOR SILICIFICATION AROUND MAJOR FAULT GOUGE 141-141.17.	141					
			142					
			143					
			144					
			145					
			146					
			147					
		148.43-148.5 SHEAR.	148					
			149					
		150.6-151.28 WEAK-MODERATE SILICIFICATION TO INTENSE GREY CLAY ALTERED ZONE. AROUND FAULT GOUGE 151.04-151.12 GOUGE AT 30°	150					
			151					
			152					
		151.6-151.77 CARBONACEOUS GREY SHEAR GOUGE.	153					
			154					
			155					
			156					
		REAPPEARANCE OF FEW MINOR QUARTZ STRINGERS AFTER 157.5	157					
			158					
			159					
			160					

Duplicate
PULLED.

SEREM LTD.

DIAMOND DRILL LOG

PROJECT: TODDORGOVE

HOLE NO. 87 PM 5

ZONE: FERRY MASON

CORE SIZE: START 80

LOCATION (N.T.S.) 94E/6E

CHANGE _____

CLAIM: MASON 2

DATE STARTED: AUG 31 1987

DATE COMPLETED: SEPT. 2 1987

MINING DIVISION: OMINELR.

LOGGED BY: Robert E. Kiehl

DATE: AUG 4 - 6 1987

SURVEY INFORMATION

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

TOTAL LENGTH 169.47

GRID ZONE CO-ORDINATES 1957.9 N 2108.3 E

ELEVATION AT COLLAR 1748.84 M

DIRECTION: DEPTH AZIMUTH INCLINATION

DEPTH	AZIMUTH	INCLINATION
COLLAR	135°	-50°

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAY			
					Au Oz/ton	Ag Oz/ton		
0-9.14	CASING AND OVERBURDEN NO CORE RECOVERED.		1					
			2					
			3					
			4					
			5					
			6					
			7					
			8					
9.14		9.14 - 26.71	9					
63%	9.14 - 12.43 CORE MODERATE TO HIGHLY FRACTURED GENERALLY WEAKLY BROKEN.	META-SILTSTONE: 10.7 - 11.55 BRECCIA AND QUARTZ VEINING. 10.7-11.2. FRAGMENT OF SALMON PINK FIELDSPARE PORPHYRY? QUARTZ, AND SILTSTONE IN A SILICIOUS EPIDOTIZED GROUNDMASS CONTAINING FINER GRAINED FRAGMENTS. 1-2% PYRITE	10					
89%			10.7	32899	40.01	0.2		
			11.55					
12.80			12					
81%	14-14.25 SHEAR	11.2-11.55 WHITE TO LIGHT BROWNISH GREY QUARTZ; CARBONATE, EPIDOTE AND CHLORITE. 1-2% PYRITE.	13					
		11.55-13.22. LOCAL WEAK PINKISH BRECCIA. MINOR QUARTZ. MODERATE FRACTURE DENSITY - CARBONATE FILLING	13.22	32900	40.01	0.2		
15.54	15.09-16.06 CARBONACEOUS CHLORITIC SHEAR BRECCIA.	13.22-14.0 REVERSED CARBONACEOUS SHEAR BRECCIA. HIGH DENSITY - 7% BROKEN CARBONATE "CRACKLE" FRACTURE FILLING 1-2% QUARTZ FRAGMENTS CHLORITE GROUNDMASS - SLICENSIDED FRACTURES.	14					
93%		14.0-14.2 FRAGMENTED CHLORITIC SHEAR 2.5 CM QUARTZ-CARBONATE AT 300 ALONG BOTTOM CONTACT.	15					
17.68	17.36-17.54 SHEAR GOUGE.		16					
76%	17.54-19.25 MODERATELY BROKEN.		16.9	32282	40.01	0.5		
19.20			17.36					
			18					
			19					
			20					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
93%		15.09-16.06 CARBONACEOUS CHLORITIC SHEAR BRECCIA.	21					
22.25		16.4-17.36 BRECCIA - SIMILAR TO 10.7- 11.2. UPPER 1/2 INTENSE CARBONATE AND EPIDOTIZATION. LOWER HALF MORE SILICEOUS AND QUARTZ FRAGMENTS.	21.25					
16%	MISLATCH	17.36-17.54 SHEAR GOUGE.	22	32283	0.01	0.2		
29.08			23					
69%			24					
24.69		21.25-22.10 QUARTZ FRACTURE BRECCIA - SERIES OF 5mm-1cm QUARTZ VEINLETS WITH PINKISH CARBONATE TENSION FRACTURES AT LOW ANGLES TO AXIS. WEAK BLEACHING, MINOR EPIDOTE AND CHLORITE.	25					
76%	25.54-28.1 BROKEN - PARTLY FRAGMENTED.		26					
26.21		25.09-25.54 CARBONATE FRACTURE BRECCIA AND/OR "SLUMP BRECCIA" UPPER PORTION BLEACHED EPIDOTIZED FRAGMENTAL WITH WHITE CARBONATE VEINLET. BOTTOM PORTION FRAGMENTS IN CARBONATE VEINING.	27					
83%		26.71 - 95.69 FINE GRAINED ANDESITE:	28					
29.26		26.71-28.1 MODERATE DENSITY QUARTZ STRINGER ZONE. 7% QUARTZ CONSISTING OF SERIES OF MASSIVE WHITE, 5-15mm, VEINLETS AT LOW ANGLE.	29					
85%		28.1-28.76 WHITE QUARTZ WITH CHLORITE. 1/2 CORE - ALONG CORE AXIS. MINOR PYRITE AND ARGENTITE.	30					
32.31		AFTER 28.76 FEW QUARTZ STRINGERS < 1/METER. LOW-MEDIUM DENSITY CARBONATE STRINGERS 6/METER WITH NUMEROUS CARBONATE FRACTURE FILLINGS.	31					
88%		30.93 1cm CARBONATE-MINOR QUARTZ AT 30°	32					
35.36		32.13 15mm WEAK BANDED WHITE QUARTZ AT 30°	33					
98%		AFTER 33.8 CORE WEAKLY BLEACHED MAKING VISIBLE FINE GRAINED ANSITE - FELDSPAR PORPHYRY TEXTURE	34					
38.40		38.46-38.5 BRECCIA. - SALMON PINK QUARTZ	35					
			36					
			37					
			38					
			39					
			39.66	22284	0.02	3.3		
			40.11					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
89%		AND WALL ROCK FRAGMENTS IN EPIDOTIZED GROUND MASS. SIMILAR IN PART TO 10.7 -11.2.	41					
41.45								
79%		39.66-40.11 6 CM WHITE QUARTZ - EPIDOTE CHLORITE AT 30° 1-3% ARGENTITE.	42					
45.28			43					
98%		40.11-50.6. FEW MINOR QUARTZ STRINGERS	44					
46.33			45					
97%			46					
49.38		48.92-49.35. WEAK GREY & PINKISH BRECCIA - MINOR HAIRLINE QUARTZ.	47					
95%			48					
50.60		50.6-53.64 LOST CORE - MISMATCH.	49					
7%	MISMATCH		50					
53.64		51.0-56.69. INTENSELY SILICIFIED WALLROCK HIGH DENSITY STRINGER ZONE. LOCAL PINK BLEACHING. MODERATE EPIDOTE AND CHLORITE PERVASIVE THROUGHOUT. 5% QUARTZ AS STRINGERS. 40-60% QUARTZ OVERALL WITH SILICIFICATION.	51					
96%		55.45-56.06. 2? OR MORE IRREGULAR 2 CM WHITE QUARTZ - CHLORITIC FRAGMENT - MINOR EPIDOTE WITH 1-3% ARGENTITE	0.56m CORE	32285	40.01	0.2		
56.69		56.67-57.9. QUARTZ BRECCIA: ROUNDED TO SUBANGULAR INTENSELY CHLORITIZED AND EPIDOTIZED - MINOR CARBONATE - FRAGMENTS. SLIGHTLY ELONGATED AND ALIGNED ALONG LOW ANGLE WHITE QUARTZ VEINING MATRIX. 60% QUARTZ.	54	32286	6.01	1.7		
98%			55	32287	0.01	1.8		
59.74			56	32288	40.01	1.4		
			57	32289	0.01	2.9		
			57.9 58.0					
			59					
			60					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAY				
					Au Oz/ton	Ag Oz/ton			
90%		60.7-69.8 HIGH DENSITY QUARTZ STRINGER AND VEIN ZONE:	60.7						
			61.44	32290	20.01	0.6			
62.48		60.7-61.27 POORLY BANDED WHITE AND DARK GREY QUARTZ MINOR PARALLEL ANKERITE AND CARBONATE. MODERATE TO INTENSE EPIDOTIZATION OVER LAST 20 CM.		32291	20.01	0.4			
			62.9						
93%		61.57-61.94 MOTTLED WHITE AND GREY QUARTZ - FEW EPIDOTIZED - CHLORITIZED FRAGMENTS. GREY QUARTZ LOCALLY PYRITIC. MEDIUM DENSITY CARBONATE CRACKLE FRACTURING. TRACE ARGENTITE	69	32292	20.01	0.5			
				32293	20.01	0.6			
65.53		62.4-62.9 WHITE QUARTZ FRACTURE BRECCIA 10% WEAKLY BANDED WHITE QUARTZ SURROUNDING ANGULAR PINKISH ALTERED EPIDOTE RIMMED WALLROCK FRAGMENTS.	65	32294	20.01	0.6			
			66	32295	20.01	0.3			
100%			67	32296	20.01	1.3			
			68	32297	20.01	0.5			
68.58		62.9-68.88. CONTAINS 40 2MM-6CM. QUARTZ STRINGERS AND VEINLETS. MOSTLY MASSIVE TO WEAKLY BANDED. FEW WITH MINOR CARBONATE. WALLROCK LOCALLY WEAKLY BLEACHED AND SILICIFIED.	68.88	32298	0.03	9.0			
96%			70						
			71						
71.63		68.88-69.43. MEDIUM GREY QUARTZ. WEAKLY BANDED. 3-5% CARBONATE OPEN SPACE FILLING. WISPY BLACK CHLORITE ESPECIALLY NEAR CONTACTS. FEW BLACK CHLORITIC FRAGMENTS - MINOR EPIDOTE. TRACE ARGENTITE. 68.66 4 CM AS ABOVE. 69.68 9 CM AS ABOVE.	72						
			73						
90%			74						
			75						
74.68		ALL VEINING IN ABOVE SECTION AT 30-40° TO AXIS.	76						
			77						
94%		69.8-82.55 LOW-MEDIUM DENSITY QUARTZ STRINGERS AND VEINLETS. 1-2/METER MOST WITH CARBONATE. FEW LOCAL BLEACHED AREAS.	78						
			79						
77.72			80						
97%									

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
80.77		82.55-82.8 BOUNDED PALE PINK CARBONATE SHEAR VEIN IN BLACK CLAYEY MATRIX. CENTER IS A STRAIGHT 2MM WHITE CARBONATE STRINGER AT 17°	81				
96%			82				
		82.8-84.27 INTENSELY CHLORITIZED SECTION CONTAINING BANDS OF IRREGULAR SALMON PINK FELDSPAR FLOODS" OR FRAGMENT; CARBONACEOUS SWIRL BRECCIA AND SILICIFIED-EPIDOTIZED MATERIAL.	82.55	32299	40.01	0.3	
83.82			83.51	32300	40.01	0.2	
112%			84.27	32401	40.01	0.1	
84.73			84.52				
		84.27-84.52 SILICIOUS EPIDOTIZED MATERIAL WITHIN SILICIOUS SALMON PINKISH MATERIAL OR VISA-VERSA. APPROXIMATELY 50. MINOR IRREGULAR QUARTZ STRINGERS FINE SPECKS CHLORITE; TRACES PYRITE AND ARGENTITE?	85				
88%			86				
			87				
87.17			88				
		84.52-97.1 LOW DENSITY QUARTZ STRINGER ZONE 1/METER. LARGEST BEING 2 CM. AFTER 91 MOST HAVE ASSOCIATED EPIDOTE.	89				
92%			90				
			91				
90.22			92				
			93				
91%			94				
			95				
93.27			96				
70%			97	32402	40.01	0.1	
94.49			98	32403	40.01	0.1	
			99	32404	40.01	0.1	
97%		95.64 META-SILTSTONE. LOCAL GRADDED BEDDING - CONVOLUTED BEDDING FEATURES - MINOR SANDSTONE AND/OR WACK. COARSER SECTIONS OFTEN CHLORITIC AND PYRITIC WITH LOCAL CONCENTRATIONS OF UP TO 7-10% SUBHEDRAL - FINE TO MEDIUM GRANED PYRITIC.	100				
97.59							
89%							
98.76							
42%							
99.36							

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
82%		97.1-124.5 MEDIUM TO HIGH DENSITY QUARTZ STRINGER AND VEIN ZONE.		32405	60.01	0.1		
101.5		MAJORITY OF HOST SHOWS GREY, GREENISH OR PINKISH BLEACH AND SILICIFICATION.	101					
94%		EPIDOTE PERVASIVE THROUGHOUT WITH VEINING; ITS FRACTURE FILLINGS AND WITH LOCAL EPIDOTIZED SILICIFICATION ZONES.	102	32406	60.01	0.1		
103.63		MORE PROMINENT QUARTZ SECTIONS AS FOLLOWS:	103	32407	60.01	0.2		
96%		97.24-97.64 4 CM WHITE QUARTZ-EPIDOTE AT LOW ANGLE TO AXIS. 7% MEDIUM GRAINED PYRITE IN 4CM CHLORITIC MATERIAL AT UPPER AND LOWER CONTACTS	104	32408	60.01	0.3		
		98.08-98.42 3CM WHITE QUARTZ-EPIDOTE CONTAINING FEW PINKISH RETERED WALLROCK FRAGMENTS. TRACE PYRITE. RUNS ALONG AXIS.	105	32409	60.01	0.4		
106.68		101.06-101.22 WEAKLY BANDED WHITE QUARTZ. MINOR EPIDOTE. 40° TO AXIS.	106	32410	60.01	0.2		
90%		103.24-103.74 GREY AND WHITE QUARTZ CONTAINING 20-30% EPIDOTE CHLORITE FRAGMENTS AND FRACTURE FILLINGS. TRACE PYRITE AND ARGENTITE.	107	32411	60.01	0.7		
109.73		110-112.33 50% WHITE QUARTZ MAJORITY "CRACKLE" FRACTURED WITH CARBONATE FILLINGS. CHLORITIC FRAGMENTS AND FRACTURE FILLINGS - MINOR EPIDOTE NVS.	108	32412	0.01	1.0		
87%		115.3-115.6 MASSIVE WHITE QUARTZ. SEA GREEN CHLORITE AND EPIDOTE TRACES PYRITE AND ARGENTITE.	109	32413	60.01	0.2		
111.56		3CM AT 10° TO AXIS	110	32414	60.01	0.1		
93%		HOST ROCK 114.6-116.3 CHLORITIC WITH 5% PYRITE.	111	32415	60.01	0.2		
119.0		115.6-118.65 INTENSE SILICIFIED MICRO-STRINGER BREACHED SECTION WITH 4 MM STRINGER ALONG AXIS	112	32416	60.01	0.3		
95%			113	32417	60.01	0.1		
117.09			114	32418	60.01	0.1		
89%			115	32419	60.01	0.3		
			116	32420	60.01	0.5		
			117	32421	60.01	0.6		
			118	32422	0.01	0.2		
			119	32423	0.01	0.4		
120.09			120	32424	0.01	0.8		

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
120.09								
73%		122.29-122.53 FINE GRAINED GRANULAR WHITE QUARTZ WITH 30% FINE GRAINED CHAORITIC AND EPIDOTIC.	121	32425	<0.01	0.5		
121.92				32426	<0.01	0.3		
98%		123.4-124.5 - SERIES OF IRREGULAR 5mm-15mm CRACKLE FRACTURED WHITE QUARTZ VEINS WITH FEW PYRITIC GREY FRAGMENTS IN CHAORITIC WALLROCK 30% QUARTZ. LOW ANGLE TO PLANE THIS.	122	32427	<0.01	0.7		
124.97			123.4	32428	<0.01	0.5		
99%			124.5	32429	<0.01	0.2		
125.43		124.5-125.04 QUARTZ VEIN. GENERALLY MASSIVE TO WEAKLY BANDIED WHITE QUARTZ. FEW GREY QUARTZ FRAGMENTS AND BANDS. MINOR LOCAL COLOUR BRECCIAS - RARE WALLROCK FRAGMENT TIGHT CARBONATE AND/OR CLAY CRACKLE FRACTURING. MINOR LOCAL CHLORITIC FRACTURE FILLING.	124.5	32430	<0.01	0.1		
93%			125	32431	<0.01	0.1		
128.63			125.5	32432	<0.01	0.7		
27%			126.5	32433	<0.01	0.2		
129.08		125.62-125.82 GREY AND WHITE QUARTZ WITH 15% KAOLINITIC-SERICITIC FRAGMENTS AND 10% PYRITE.	126.5	32434	<0.01	0.1		
99%			127.5	32435	<0.01	0.2		
130.45		TRACE TO 2% PYRITE AND ARGENTITE AS FINE DISSEMINATIONS AND RARE FRACTURE FILLINGS.	127.5	32436	<0.01	0.2		
99%		AFTER 132.5 CONTAINS 5-10% IRREGULAR PALE YELLOW CARBONATE.	128.5	32437	<0.01	0.3		
133.5		135.04-135.92 MAJOR FAULT GREENISH SILTY GOUGE	128.5	32438	<0.01	0.3		
84%			129.5	32439	<0.01	0.2		
135.79		135.92-138.42. ORANGEY FELDSPATIC FRAGMENTAL SHEAR BRECCIA. POSSIBLY TOPOBOGONE FELDSPAR PORPHYRY BUT TEXTURES NEAR TOTALLY DESTROYED. FEW REMNANTS CHLORITIZED SUBHEDRAL HORNBLIENDES. FRAGMENTS BROKEN. 85% FRAGMENTS IN A CHLORITIC CLAY-CARBONATE STRIPPER & ROUND MASS. 1% DISSEMINATED PYRITE. FEW GOUGEY FRACTURES. 5mm GOUGEY AT 138.42	130.5					
92%			131.5					
138.79		138.42-138.51 SIMULTANEOUS EPIDOTE BAND.	132.5					
			133.5					
			134.5					
			135.5					
			136					
			137					
			138					
			139					
			140					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAY			
					Au Oz/ton	Ag Oz/ton		
99%		138.51 - 169.47 Volcanic Breccia with interbedded silt, and sandy sections. Epidote to 10% pervasive throughout. Generally weakly fractured. Very minor carbonate or quartz stringer or fracture fillings.	141					
142.04			142					
101%			143					
143.56			144					
94%		139.01 cm gouge	145					
		139.8 - 140.36 weakly sheared broken wallrock - low angle slip.	146					
146.76			147					
83%			148					
			149					
149.66			150					
111%			151					
151.79			152					
89%			153					
154.23			154					
97%			155					
			156					
157.28			157					
102%		159.5 2cm grey silica; salmon pink fragmental vein at 20° 2-3% fine grained pyrite.	158					
			159					
160.32			160					

87 100 5

DUPLICATE
PULLED

S E R E M L T D .

D I A M O N D D R I L L L O G

PROJECT: TOODOGGONE

HOLE NO. 87 PM 6

ZONE: FERRY MASON

CORE SIZE: START 30

LOCATION (N.T.S.) 94 E / 2 E

CHANGE _____

CLAIM: MASON 2

DATE STARTED: SEPT 3 1987

MINING DIVISION: OMINEC17

DATE COMPLETED: SEPT. 4 1987

LOGGED BY: Robert E. Tull

DATE: SEPT 7 1987

SURVEY INFORMATION

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

TOTAL LENGTH 107.9

GRID ZONE CO-ORDINATES 1874.8N 2100.8E

ELEVATION AT COLLAR 1763.18 m

DIRECTION: DEPTH AZIMUTH INCLINATION

DIRECTION:	DEPTH	AZIMUTH	INCLINATION
COLLAR		318°	-49.5°

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
0-15.24	OVERBURDEN AND CASING. NO CORE RECOVERED.		1				
			2				
			3				
			4				
			5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				
			13				
			14				
15.24			15				
66%		15.24 -	16				
16.46		META. SILTSTONE	17				
85%		GREENISH GREY - MASSIVE. FEW LOCAL BEDDING FEATURES NEAR PARALLEL AXIS. MODERATELY FRACTURED - WEAKLY BROKEN. FEW SANDY CHLORITIC SECTIONS. LOW DENSITY QUARTZ AND/OR CARBONATE STRINGERS.	18				
18.90		15.94-16.96. 7MM-2LM WHITE QUARTZ MINOR CHLORITE-EPIDOTE ALONG AXIS.	19				
			20				

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
88%		19.99 1cm GREY QUARTZ - TYPICALLY BLEACHED ALIGNED FRAGMENTS - TRACED PYRITE. 40° TO AXIS.	21				
21.95 52%	21.95-25.0 BROKEN (FRAGMENTED) MINOR COUSIS.	21.1-21.3 WHITE QUARTZ "FLOOD" 50% ALIGNED CHLORITIC AND/OR TAN STAINED EPIDOTE FRAGMENTS.	22				
22.86 66%			23				
24.08	24.08-24.45 BROKEN SHEARED WALLROCK MAJOR COUSIS.	24.67-24.74 HIGHLY FRACTURED - WEAKLY SHEARED QUARTZ - CARBONATE REMNANT ALONG 1/2 CORE AXIS. CUT OFF BY 50° SLIPS - BOTH ENDS	24				
88%	24.45-26.06 WEAKLY SHEARED WALLROCK WITH FRAGMENTED SECTIONS AT 24.55-25.1 AND 25.76-26.06.	25.51-25.74 BROKEN REMNANTS 1cm WHITE QUARTZ AT LOW ANGLE 25.65 1cm COUSIS.	25				
26.06 102%			26				
26.52			27				
80%			28				
29.26			29				
101%			30				
31.29 84%	31.15 1cm SHEAR COUSIS 130°		31				
32.61			32				
91%		33.9 : 3 cm WEAKLY BANDED WHITE QUARTZ AT 40° SHOWING SMALL ROTATIONAL OFFSET BY 130° FRACTURE AND FRACTURE BRILLIANCE.	33				
34.44			34				
86%		34.77-35.5 INTENSE CLAY ALTERED SHEAR ZONE. 35.17-35.45 BROKEN, COARSE FRACTURED, GREY, QUARTZ CARBONATE VEIN AND FRAGMENTAL SHEAR BRILLIANCE.	35				
36.27			36				
100%			37				
39.32		39.38-40 CONTAINS 7 mm-1cm SHEAR. AT 90° TO AXIS.	38				
			39				
			40				

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
94%			41					
41.76			42					
9%	MISLATCH		43					
44.2			44					
95%			45					
47.24		47.24 - 62.48. SLIGHT INCREASE IN QUARTZ STRINGER DENSITY, 1-2/METER. HAIRLINS TO 1CM. IRREGULAR AT HEAVY VASED PLACES.	46					
93%		47.92 - 48.11 CARBONATE QUARTZ SHEAR BRECCIA - COARSE FRACTURES. 40° 48.07 - 48.11 SHEAR GAUGE 80°?	47					
50.29			48					
28%			49					
51.21			50					
87%			51					
54.56			52					
95%			53					
57.3			54					
98%			55					
60.35			56					
			57					
			58					
			59					
			60					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
60.35								
70%			61					
61.48	61.8-62.1 3cm SHEAR 30°	61.8-62.1 IRREGULAR QUARTZ STRINGERS ASSOCIATED WITH SHEAR & SHEAR FRACTURE.	62					
130%			62.48	32501	<0.01	0.1		
63.09			63.09	32502	<0.01	0.1		
89%			64					
65.07	62.48-63.09. QUARTZ FRACTURE BRECCIA AND MOTTLED VEIN (62.89-63.09) 30% QUARTZ. MAINLY AS IRREGULAR NETWORK OF 3mm-1cm VEINLETS ALONG AXIS. MINOR CHLORITE FRACTURES. WALLROCK CHLORITIZED - EPIDOTIZED AND CONTAINS PINKISH GARNET? TRACES PYRITE.		64.87	32503	<0.01	0.1		
85%	65-70.87 BROKEN CORE WITH NUMEROUS SHEARS & COUDES.	63.54-64.3. MASSIVE WHITE QUARTZ- COARSE FRAGMENTS UNALTERED WALLROCK CARBONATE WITH TRACES OBEROUS HEMATITE IN TIGHT FRACTURES 64.0 A CM SHEAR COUDE.	66	32504	<0.01	0.1		
67.97	67.85-67.73 WEAK SHEAR	64.17 5% ASPENITE IN 1 CM CARBONACEOUS BAND.	66.9	32505	<0.01	0.3		
93%	69.18-69.43 SHEARED AND FRAGMENTED.	64.3-64.87 HIGH DENSITY STRINGERS - WEAK FRACTURE BRECCIA. 10% WHITE QUARTZ	67.6	32506	<0.01	0.4		
71.02	70.28 1cm SHEAR 70.5 A CM SHEAR		68					
100%			69					
74.07	73.9 5cm COUDE. 70°	69.87-66.9 - MEDIUM DENSITY QUARTZ STRINGER AND VEINLETS. 10x 2mm → 3cm. WHITE QUARTZ. MINOR OBEROUS HEMATITE.	70					
93%	75.36-75.6 FAULT COUDE.	66.9-67.2 SHEAR BRECCIA AND SILICIFICATION. 8 CM BLUE-GREY QUARTZ WITH 10% SALMON PINK FRAGMENTS? ON UPPER SIDE. A CM OF SIMILAR MATERIAL - 50% SALMON PINK FRAGMENTS BOTTOM SIDE. ELLIPTIC ALTERED SHEARED MATERIAL WITH MINOR QUARTZ FRAGMENTS AND COUDE IN BETWEEN.	71					
77.11		67.2-67.46 - HIGHLY FRACTURED AND/OR SHEARED. 20% COUDE. SEVERAL QUARTZ FRAGMENTS 1 CM VEINLET ALONG AXIS.	72					
108%		69.7-69.9 FAULT - FRAGMENTAL COUDE.	73					
78.64		74.97 INCREASED QUARTZ STRINGER AND VEINLET DENSITY 5/METER OR 3-5% QUARTZ.	74					
91%			74.97	32507	<0.01	0.3		
			76					
			76.53	32508	<0.01	0.1		
			77.21	32509	<0.01	0.2		
			78.66	32510	<0.01	0.2		
			79	32511	<0.01	0.1		
			80	32512	<0.01	0.1		

ASSAYS

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS	
					Au Oz/ton	Ag Oz/ton
81.38		74.97-75.13 - WHITE QUARTZ CONTAINING EPIDOTIZED WALLROCK FRAGMENTS - TRACE PYRITE	81	32513	0.01	0.1
100%		75.36-75.6 <u>FAULT</u> : MUD & FRAGMENTAL GOUGE	82	32514	0.01	0.1
		76.53-76.72: LIGHT GREY QUARTZ MINOR CHLORITE ALONG 1/3 CORE CUT OFF ON BOTTOM BY 130° SLIP.	83	32515	0.01	0.2
84.12	83.3-83.67 SHEAR	77.29-78.06 <u>QUARTZ VEIN AND FRACTURE BRECCIA</u> . 70% QUARTZ. INTENSE SILICA-EPIDOTE OR SILICIOUS-PINKISH ALTERATION TO FRAGMENTS. MINOR OCHEROUS HEMATITE AND LIMONITE ON FRACTURES	83.67	32516	0.01	0.3
90%		76.78-76.94 SHEAR.	84.12	32517	LOST	
	86.1-86.67		84.12	32518	0.01	0.6
86.87	FRAGMENTED.	76.84-107.90 VOLCANIC BRECCIA WITH SILTY AND SANDY FRACTIONS.	85	32519	0.01	0.4
	86.67-87.5 WEAK-MODERATE BROKEN.	76.84-87.5 HIGH DENSITY IRREGULAR QUARTZ STRINGER ZONE. MODERATE TO HIGHLY FRACTURED WEAKLY BROKEN. AVERAGES 3-5% QUARTZ.	86	32520	0.01	0.5
79%		83.3-83.67. SHEARED; BROKEN & GOUGEY.	87.5	32521	0.02	3.6
	89.51-89.92. BROKEN.	83.67-84.48 QUARTZ FRACTURE BRECCIA. 30% QUARTZ - MODERATE TO INTENSE SILICIOUS EPIDOTIZATION OF WALLROCK FRAGMENTS. MINOR CARBONATE - MMS.	88	32522	0.01	5.6
47%	90.46-91. WEAKLY BROKEN & UNGEY.		89	32523	0.01	2.9
91.74	90.85-90.92 FAULT GOUGE.		90	32524	0.01	3.4
17%	91-93.8 HIGHLY FRAGMENTED 0.58M RECOVERED.	87.5-98.5 <u>QUARTZ VEIN</u> 6.52M OR 59% RECOVERY.	91	32525	0.02	8.8
93.27		87.5-88.2 MAINLY MILKY WHITE "CARBONATE LOOKING" QUARTZ. 1-2% DISSEMINATED ARGENTITE.	92	32526	0.01	1.7
74%		88.2-89.92. WHITE QUARTZ CONTAINING UP TO 25% INTENSELY ALTERED FRAGMENTS. MOST FRAGMENTS PALE CREAMY SILICIFIED KAOINITE. MINOR PYRITE AND ARGENTITE. FINELY DISSEMINATED LIMONITE AND OR MANGANESE STAINS ON FRACTURE FACES.	93	32527	0.01	1.6
94.79		89.92-91. MAINLY MASSIVE WHITE. 10% TOTALLY DESTROYED FRAGMENTS. MINOR ARGENTITE - ARGENTIFEROUS FRACTURE AT 90.07.	94	32528	0.01	1.3
67%			95	32529	0.01	0.8
96.93			96	32530	0.01	0.8
42%			97	32531	0.01	0.8
88.15			98	32532	0.09	34.0
98%			98.5	32533	0.01	1.2
98.76			99.1			
91%			100			

SEREM LTD.

DIAMOND DRILL LOG

PROJECT: TOODOGBONE

HOLE NO. 87 PM 7

ZONE: PERRY MASON

CORE SIZE: START 80

LOCATION (N.T.S.) 94E / 6E

CHANGE _____

CLAIM: MASON 1

DATE STARTED: SEPT 4 1987

MINING DIVISION: OMINEGA

DATE COMPLETED: SEPT. 6 1987

LOGGED BY: Robert E. Reid

DATE: SEPT 24 - 27 1987

SURVEY INFORMATION

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

TOTAL LENGTH 154.23

GRID ZONE CO-ORDINATES 1874.8N 2100.8E

ELEVATION AT COLLAR 1763.18 m.

DIRECTION:

DEPTH	AZIMUTH	INCLINATION
COLLAR	318°	-60.5°

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
0-12.8	OVERBURDEN AND CAPPING NO CORE RECOVERED.	12.8-13.77: ANDESITE - FINE GRAINED, CHAOTIC. LOCAL SANDS WITH CHLORITIZED FELDITE? PHENOCRYSTS. HIGH DENSITY FINE CARBONATE FRACTURE FILLINGS. 3 X 1CM QUARTZ VEINKETS. 13.77-17.49. META-SILTSTONE. LIGHT-MEDIUM GREEN - MASSIVE. LOCAL WEDGE BEDDING FEATURES. MEDIUM DENSITY CARBONATE EPIDOTE FRACTURING. LOW DENSITY LOW ANGLE QUARTZ VEINKETS. LIGHT- GREY TO WHITE WITH MINOR CHLORITE.	1 2 3 4 5 6				
		17.49-21.20: (13.13m RECOVERED.) QUARTZ VEIN. MAINLY LIGHT GREY TO WHITE. TO 19.5 FINE BEAMY AND/OR OBVIOUS HEMATITIC BANDING (AFTER FRAGMENTS?) BANDING AT LOW ANGLE 10-15° 19.31-18.37 ALTERED WALLROCK. 19.5 BLACK ARGENTIFEROUS? FRACTURE FILLING AT 15°. 19.96-20.79 FAULT ZONE - LOST CORE. REMNANTS OF OXIDIZED INTENSELY CLAY ALTERED MATERIAL.	7 8 9 10 11 12				
12.8		21.20-23.47: ANDESITE, FINE GRAINED, MODERATE TO INTENSE CHLORITE AND EPIDOTE ALTERATION BECOMING. INTENSELY PALE BROWNISH CLAY ALTERED AFTER 22.51 22.37-22.49. SHEAR GOUGE. 22.61 3 CM SHEARED. 22.7-22.8 SHEAR GOUGE. 22.27-23.47 SHEAR GOUGE. MINOR CARBONATE FRACTURE FILLINGS. MINOR LOW ANGLE QUARTZ.	13 14 15 16 17 17.49	29613	0.011	1.47	
86%		23.47-24.28 QUARTZ VEIN. MAINLY WHITE. INTENSE BROWNISH CLAY ALTERED FRAGMENTS AND FRACTURE FILLINGS. TRACE TO 1% ARGENTITE.	18.5 19.5	29614	0.053	7.27	
14.33							
88%							
16.76							
105%							
19.81							

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
64%		24.28 - 25.30. INTENSE CLAY ALTERED ANDESITE. 3-5% PYRITE SPECKLES IN APHAUITIC PALE BROWN CLAY GROUNDMASS.	21.2	29615	0.003	0.12		
22.10		25.30 - 32.48 QUARTZ VEIN.	22					
112%		25.30 - 29.42 WHITE NEARLY BANDED QUARTZ. MINOR CREAMY SECTIONS.	23					
28.47		LOW-MODERATE DENSITY CARBONATE FRACTURING. < 1% SULFIDES.	23.97	29616	0.006	0.88		
103%		29.42 - 30.96 AND 31.70 - 32.48. CONTAINS UP TO 30% PYRITIC-CHLORITIC CLAY ALTERED. SILICIFIED WALLROCK FRAGMENT REMANENTS. 3-5% PYRITE 1-2% ARGENTITE	25	29617	0.005	0.33		
26.52		30.96 - 31.7. WHITE QUARTZ WITH 3% PYRITIC ISOTS. WEAK CARBONACEOUS FRACTURE FILLINGS.	25.3	29618	0.005	0.35		
70%		32.48 - 34.85 FINE GRAINED LOCALLY PORPHYRITIC ANDESITE. CHLORITIC WITH LOCAL CLAY ALTERATION. HIGH DENSITY QUARTZ VEINLET AND STRINGER ZONE. 3-5% WHITE QUARTZ. MINOR CHLORITE AND CARBONATE - TRACE AMETHYST. < 1% SULFIDES.	26.3	29619	0.001	0.13		
27.70			27.3	29620	0.005	0.12		
81%			28.3	29621	0.001	0.13		
29.57			29.3	29622	0.005	0.12		
93%			30.3	29623	0.006	0.20		
32.31			31.3					
98%		34.85 - 36.52. INTENSE CLAY ALTERED SECTION. VAGUE RELIC CRYSTALLINE TEXTURE 3% DISSEMINATED PYRITE.	32.48					
		35.44 4 CM SHEAR	33					
		35.54 4 CM SHEAR	34					
35.36		35.62 - 35.86 SHEAR GOUGE	35					
		35.86 - 35.93 QUARTZ VEIN	36					
		35.93 - 36.11 SHEAR GOUGE.	37					
96%		SECTION CONTAINS ADDITIONAL 5 X 1-5 CM LOW ANGLE QUARTZ VEINLETS.	38					
38.41		36.52 - 39.23 CHLORITIC FINE GRAINED AUGITE PORPHYRY ANDESITE.	39					
95%		37-37.07 QUARTZ. CHLORITE. 30°.	39.23	29624	0.003	0.25		
40.37		37.6 2 CM QUARTZ CHLORITE 40°	40.2					
		38.18 - 38.54. QUARTZ BRECCIA VEIN.						

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
40.37		CHLORITIC WALLROCK FRAGMENTS AND CHLORITE FRACTURE FILLINGS 1%	41					
95%		PYRITE. PINKISH K. FIELDSPARS IN TOP 5 CM.	42					
43.38		SECTIONS ALSO CONTAINS SEVERAL <5MM. IRREGULAR QUARTZ STRINGERS.	43					
97%		BOTTOM 15 CM SHOWS MODERATE TO INTENSE CLAY ALTERATION.	44					
46.48		39.23 - 40.2 QUARTZ VEIN: 2 CM SHEAR AT UPPER CONTACT.	45					
95%		39.23 - 39.43 MAINLY WHITE QUARTZ. IRREGULAR HEMATITIC - CLAY - CARBONATE FRACTURE FILLING. MINOR PYRITE.	46					
49.53		39.43 - 40.2 WEAKLY BRELLIATED WITH OCHEROUS HEMATITIC MATRIX. 1% PYRITE - 2% CHALCOPYRITE	47					
95%		40.2 - 41.0. INTENSE CLAY ALTERED, TAN OPHANTIC MATERIAL. MODERATE - HIGH DENSITY GREY QUARTZ IRREGULAR HAIRLINE FRACTURES.	48					
52.69		41.0 - 42.24 INTERBEDDED ANDESITE AND META-SILTSTONE. SEVERAL GOUGEY SHEAR FRACTURES.	49					
89%		42.24 - 74.24. META-SILTSTONE: MAINLY MEDIUM GREE MASSIVE VARIETY. FEW ARGILLACEOUS AREAS. VAGUE LOCAL BEDDING FEATURES.	50					
55.47		LOW DENSITY QUARTZ AND/OR CARBONATE. NUMEROUS SHEARED AND BROKEN SECTIONS.	51					
96%		42.6 - 43.85 WHITE & LIGHT GREY QUARTZ VEINLET ALONG AXIS.	52					
57.30		CORE BROKEN BY 2-5MM GOUGEY CARBONACEOUS FRACTURE ALONG AXIS.	53					
83%		44.38 - 44.5. SHEARED & GOUGEY	54					
58.83		44.5 - 44.58 QUARTZ VEIN.	55					
		44.58 - 44.70 SHEAR GOUGE.	56					
			57					
			58					
			59					
			60					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
86%		45.5 2 CM GOUGE.						
61.42		46.82-47.0 LIGHT GRN/ WICKELLY BANDED QUARTZ VEIN AT 40°.	61					
102%		TRACE PYRITE.	62					
62.79		47.0 2 CM SHEAR GOUGE.	63					
72%		48.03-48.13 QUARTZ BRECCIA VEIN.						
64.01		RED HEMATIZED AND INTENSE CLAY ALTERED FRAGMENTS. TRACE PYRITE	64					
69%		48.24-48.38. SHEARED AND GOUGEY.	65					
64.92		51.0-51.1 SHEARED AND GOUGEY.						
83%		51.87 3 CM SHEAR.	66					
65.89		52.26-52.4 5MM SHEAR ALONG 1CM QUARTZ VEINLET AT 15°.	67					
62%		55.1-55.28: SHEAR GOUGE.	68					
66.75		55.28-60.74. HIGHLY BROKEN AND SHEARED 30% OF SECTION CRUMBLY SHEAR GOUGE. GOUGE SECTIONS < 10 CM.	69					
75%		LOW DENSITY CARBONATE FRACTURE FILLING - NO QUARTZ.	70					
67.36		60.74-65.5. HIGHLY FRACTURED - MODERATE TO HIGHLY BROKEN. LOW DENSITY CARBONATE STRINGERS.	71					
58%		63.3 5 CM WHITE QUARTZ-CHLORITE	72					
68.29		65.5-69.7. CORE FRAGMENTED. ONLY 3 PIECES IN SECTION > 5CM. MINOR GOUGE.	73					
66%		71.02 3 CM QUARTZ-CHLORITE AT 60°.	74					
70.10		74.24-76.44 QUARTZ VEIN. MAINLY WEAKLY BANDED - MOTTLED WHITE WITH SECTIONS AND FRAGMENTS 10% OF INTENSELY CLAY ALTERED, TAN COLOURED, PPHANITIC MATERIAL. TRACES PYRITE.	75	29625	0.002	0.29		
89%			76					
73.15			77	29626	0.003	0.22		
108%			78					
75.59			79					
95%			80					
78.64								
73%								
80.47								

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
80.47		76.44 - 81.05 PALE TO MEDIUM GREEN META-SILTSTONE. MINOR LOW ANGLE QUARTZ VENEETS TO 78.5.	81 81.05	29627	0.001	0.21		
96%		80.69 - 81.05 SHEARED AND GOUGEY.	82.25					
83.52		81.05 - 83.52 MODERATE TO INTENSELY CLAY ALTERED.	83.52	29628	0.001	0.29		
		81.1 - 81.18 WHITE QUARTZ VEIN 300	84					
		81.23 - 81.36 " " "						
100%		81.7 - 81.91 SHEAR GOUGE.	85					
		81.91 - 82.17 WHITE QUARTZ FRACTURE BRECCIA.	86					
86.56		81.5 - 81.45 BROKEN, GOUGEY WHITE QUARTZ.	87					
		81.53 - 81.79. WHITE QUARTZ. FEW CLAY FRAGMENTS - TRACES ARGENTITE.	88					
		81.79 - 82.3 INTENSE TAN COLOURED CLAY ALTERED.	89					
89.61		83.52 - 83.95 META-SILTSTONE.	90					
		83.95 - 90.52 ANDESITE: INTENSE EPIDOTE-CHLORITE ALTERATION. WEAK SPECKLED TO MOTTLED DARK GREEN IN A LIGHT GREEN GROUNDMASS BECOMES WEAK - MODERATELY REDDISH HEMATIZED? AFTER 88.65.	91 91.88	29629	0.005	0.60		
99%		LOW DENSITY QUARTZ 9 x < 1 CM IN SECTION.	92.56 92.98	29630	0.010	0.11		
92.66		89.22 4 CM SHEAR.	94	29631	0.003	0.60		
		90.04 3 CM SHEAR.	95	29632	0.005	0.24		
79%		90.52 - 90.82 QUARTZ VEIN. DARKLY BANDED: WHITE AND LIGHT GREY. 1-2% SULFIDES. PYRITIC, CHALCOPRITE AND ARGENTITE.	96 97	29633	0.012	0.11		
96.17		90.82 - 91.88. SHEARED INTENSELY CLAY ALTERED. TAN COLOURED APHANITIC MATERIAL. 10% GOUGE AS FRACTURING.	98 98.9 99	29634 29635	0.014 0.020	0.11 0.11		
95%			100					
99.21								

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
97%		91.88 - 92.56 QUARTZ VEIN. 15% TAN CLAY FRAGMENTS AND FRACTURE FILLINGS. MINOR LOCALIZED OLIGOCENE HEMATITE STAIN. TRACES ARGENTITE AND PYRITE.	101					
102.91			102					
102%		92.56 - 92.98 FAULT GOUGE AND INTENSE CLAY ALTERED WALLROCK.	103					
			104					
105.46		92.98 - 98.9 QUARTZ VEIN. 92.98 - 95.17 15% - 20% TAN CLAY AS FRAGMENTS AND FRACTURE FILLINGS IN WHITE CRACKLE FRACTURED QUARTZ. MINOR ARGENTITE NEAR UPPER CONTACT.	105					
95%			106					
			107					
108.51		95.17 - 98.9 15% WHITE KANONITE FRAGMENTS AND FRACTURE FILLING IN CRACKLE FRACTURED WHITE QUARTZ.	108					
			109					
90%		95.29 - 96.93 BROKEN - NUMEROUS VOBBY FRACTURES.	110					
			111					
111.56		98.0 - 99.9 15% GREENISH TAN INTENSE CLAY ALTERED WALLROCK IN WEAKLY BANDED WHITE QUARTZ. MODERATE TIGHT FRACTURING.	112					
			113					
98%		97.5 - 98.9 3-5% ARGENTITE? MAINLY AS FRACTURE FILLINGS.	114					
			115					
114.61		98.9 - 154.23 VOLCANOGENIC BRECCIA. EPIDOTE PERSUSIVE THROUGHOUT	116					
			117					
100%		99.06 - 99.43 FRAGMENTAL CLAYEY FAULT GOUGE.	118					
			119					
117.65		99.43 - 103.45: SHEAR ZONE 60% CRUMBLY - CRITTY CLAY SHEAR GOUGE.	120					
			121					
98%		102.29 - 102.47. BROKEN FRAGMENTED QUARTZ VEIN.	122					
			123					
120.70		107.06 - 107.42. SHEAR GOUGE.	124					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
120.70		109.4-109.8 BROKEN.						
94%		108.7-111.56 LOW DENSITY QUARTZ STRINGERS 2/METER.	121					
			122					
		112.66-112.71 SHEARED.	123					
123.75		123.13-123.73 BROKEN.	124					
98%			125					
			126					
126.80			127					
99%			128					
			129					
129.85			130					
99%			131					
			132					
132.89			133					
101%			134					
			135					
135.94			136					
99%			137					
			138					
138.99			139					
			140					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
97%			141					
142.09			142					
			143					
99%			144					
145.09			145					
			146					
101%		146.4-148.26 GREY BLEACHED WERE TO MODERATELY SILICIFIED SECTION. 3-5% PIRITE.	146.4	29636	0.004	0.18		
		146.8-147. VEIN BRECCIA ?	147.25	29637	0.002	0.11		
148.13		147.31-147.39 SHERE GOUGE 35°.	148.26					
			149					
97%			150					
151.18			151					
			152					
99%			153					
154.23			154					
132.66 141.43		154.23 E.O.H.						
94% RECOVERY OVERALL.								

SEREM LTD.

DIAMOND DRILL LOG

PROJECT: TOODOGGONE

HOLE NO. 87-PM-8

ZONE: PERRY MASON

CORE SIZE: START 80

LOCATION (N.T.S.) 94E / 6E

CHANGE _____

CLAIM: MASON 1

DATE STARTED: SEPT 6 1987

MINING DIVISION: OMINERA

DATE COMPLETED: SEPT 8 1987

LOGGED BY: Robert E. Reid

DATE: SEPT 23-24 1987

SURVEY INFORMATION

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

TOTAL LENGTH 64.31

GRID ZONE CO-ORDINATES 1876.2 N 2100.95 E

ELEVATION AT COLLAR 1763 m.

DIRECTION: DEPTH AZIMUTH INCLINATION

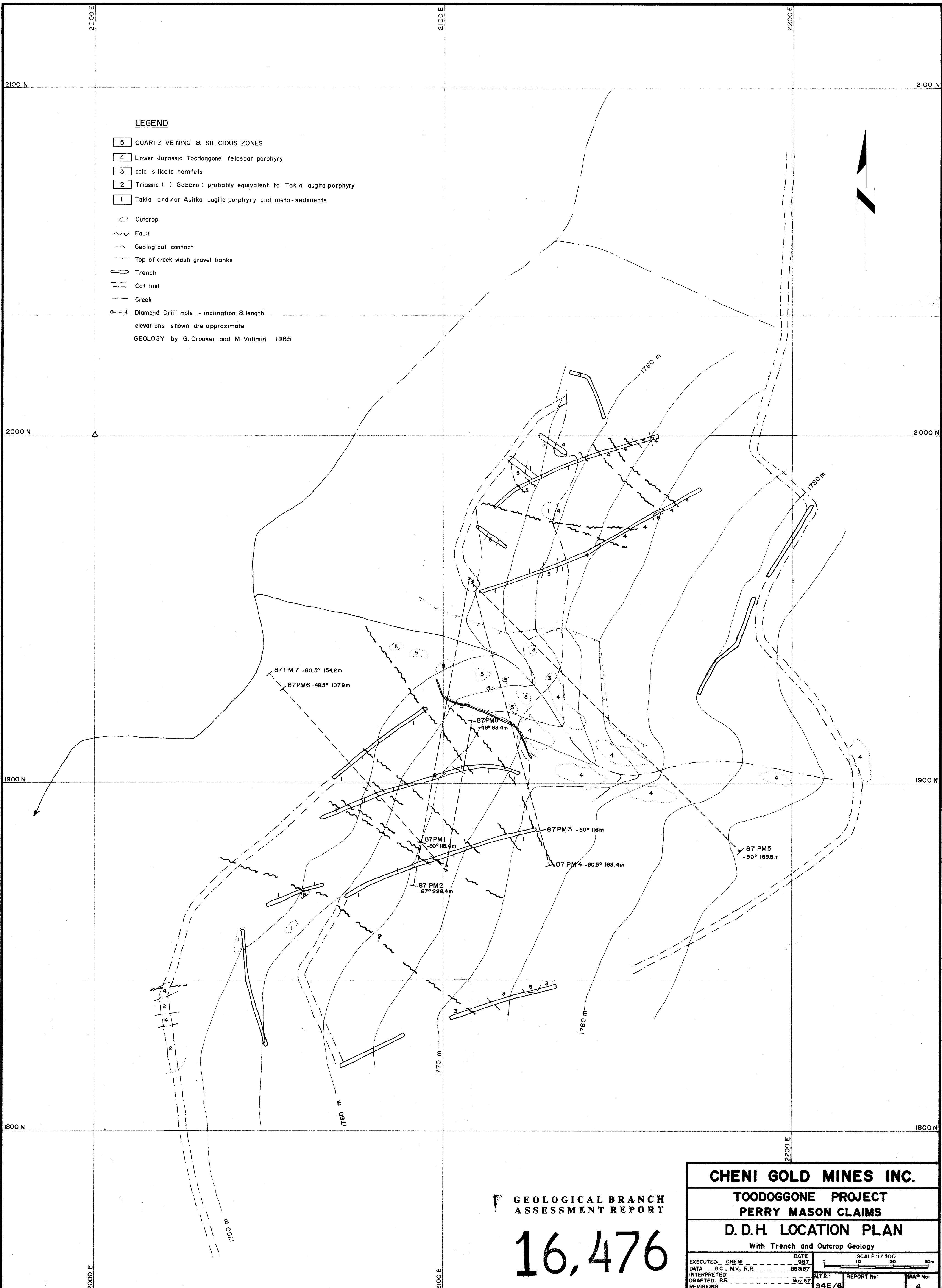
DEPTH	AZIMUTH	INCLINATION
COLLAR	010°	-48°

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS				
					Au Oz/ton	Ag Oz/ton			
	0-12.19 OVER BURDEN AND CASING NO CORE RECOVERY		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 15.38 16.55 17.55 19.17						
		12.19 - 15.38 GREEN META-SILTSTONE BEDDED - 40° TO AXIS. MEDIUM DENSITY - TIGHT EPIDOTIZED FRACTURES BECOMES BRECCIATED AFTER 14.9.							
		15.38 - 16.55 - GREY CHALCEDONY - GREY QUARTZ GRAPHIC BRECCIA. GREY CHALCEDONIC MATERIAL CUT BY HIGH DENSITY OPAQUE GREY, RANDOM ANGLED 2mm QUARTZ STRINGERS GIVING A PSEUDO- GRAPHIC GRANITE LIKE TEXTURE. WEAKLY SHEARED WITH SEVERAL GOUGEY FRACTURES. 15.8 3cm GOUGE.							
		15.66 - 15.71 GREY QUARTZ - EPIDOTE - CARBONATE VEIN. CLOTS AND DISSEMINATIONS PYRITE							
12.19		16.25 - 16.33 QUARTZ BRECCIA VEIN. SIMILAR TO MAIN UNIT EXCEPT MORE PROMINENT BRECCIA TEXTURE AND 50% GREY OPAQUE QUARTZ 5% SULFIDES.							
86%		16.33 - 16.4 REWORKED EPIDOTIZED BRECCIA. ROUNDED QUARTZ EYES IN SILICIOUS EPIDOTIZED MATRIX.							
14.9A		16.55 - 19.17 QUARTZ VEINING 70% WHITE AND GREY QUARTZ 30% WALLROCK WALLROCK SECTIONS UP TO 30 CM. WEAKLY BANDED TO MOTTLED WHITE AND MEDIUM GREY QUARTZ - EPIDOTE AND EPIDOTE FRACTURE FILLINGS.							
	15.8 3 cm GOUGE			29500	0.005	0.24			
92%				29601	0.005	0.29			
	16.42 1 cm GOUGE								
17.98	16.97 - 17.14 - FRAGMENTED 9 GOUGEY.	1-2% PYRITE, WITH CHLORITE, AS FINE DISSEMINATIONS AND AS FRACTURE FILLINGS.		29602	0.002	0.21			
82%	17.77 - 17.83 FRODOENTAL GOUGE.								
19.66	17.83 - 17.99 Broken. 18.7 - 18.83 FRAGMENTED.	19.17 - 19.76 META-SILTSTONE.							

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
95 %	18.83 - 19.7 WEAKLY EPIDOTED	19.76 - 20.62 RUCITE PORPHYRY ANDESITIC; WEAKLY EPIDOTIZED. MEDIUM DENSITY CARBONATE FRACTURE FILLINGS.	20.62	29603	0.005	0.18		
22.86		20.62 - 21.4 QUARTZ VEIN. FEW EPIDOTIZED META-SILTSTONE FRAGMENT AND EPIDOTE FRAGMENTS - CHLORITIC FRACTURE FILLING. MINOR CARBONATE.	21.4	29604	0.006	0.22		
100 %			22.66					
24.08			23					
83 %			24					
25.91			25					
128 %			26					
26.52			27					
68 %			28					
28.04			29					
92 %			30					
31.09			31	29605	0.006	0.09		
86 %			32					
32.31			33					
90 %			34					
34.44			35					
87 %			36					
37.49			36.71	29607	0.008	0.29		
96 %			37.91					
			38					
			39					
			40					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS			
					Au Oz/ton	Ag Oz/ton		
40.54		34.6-34.73 WHITE CARBONATE VEIN AT 50° TRACE PYRITE.						
106 %			41					
42.06		34.73-36.71 META-SILTSTONE - PALE TO MEDIUM GREEN. WELL BEDDED AT 30° MINOR QUARTZ. SEVERAL CARBONATE FRACTURE FILLINGS AND 3 x 3-7 CM VEINLETS.	42 42.16					
94 %		36.71-37.91 QUARTZ VEIN? 50% PINKISH FRAGMENTS; 10% CHLORITE IN GREY QUARTZ GROUNDMASS MOTTLED TEXTURE - MINOR PYRITE AND ARGENTITE?	43.36	29608	0.002	0.23		
45.11	44.2-45.11 HEAVY BROKEN.		44.6 45	29609	0.009	0.22		
96 %								
46.33	46.33-47.5 HEAVY BROKEN.	37.91-41.07 META-SILTSTONE - ARGILLITE BEDDED - LOCALLY WEAKLY BRECCIATED BY FRACTURING AND/OR VEINING. LOW DENSITY QUARTZ. 6 CM VEINLET 38.33.	42 47 47.3 47.9	29610	0.008	0.17		
83 %								
48.16		41.07-41.37 HIGH DENSITY FRAGMENTAL 60% VARIETIES IN GREEN SILTY- SANDY GROUNDMASS.	47.9					
92 %								
49.99		41.37-42.3 META-SILTSTONE. GREEN, BEDDED TO MASSIVE. FEW WACKIE BEDS.	48					
85 %								
51.05	51.1-51.74 FRAGMENTED - WEAKLY SHEARED	42.16-44.6 MASSIVE MATERIAL WITH HIGH DENSITY - IRREGULAR FRACTURE FILLING AND BEDDING PARALLEL QUARTZ AND CARBONATE	49					
92 %								
53.64		47.3-47.9 QUARTZ VEIN; WHITE WITH FEW ALTERED WACKROCK AND EPIDOTE FRAGMENTS NUS	50					
100 %	54.47 5CM SHEAR ZONE		51					
56.69		47.9-55.83 META-SILTSTONE. 47.9-51.05 BROKEN. MINOR QUARTZ. LOW DENSITY PINKISH CARBONATE	52 53 55.83 56.36	29611	0.009	0.29		
101 %		48.4-48.57 QUARTZ CHLORITE VEIN 52.92-53.7 VERY SLIGHT PINKISH BLEACH - MEDIUM-HIGH DENSITY QUARTZ AND CARBONATE STRINGER ZONE.	54 55					
59.74		55.83-56.36; WHITE QUARTZ VEIN. WEAK BOLLIFORM BANDED 3° CHLORITE. "SPECKLES" NUS.	56					

DEPTH Metres	GRAPHIC LOG	GEOLOGIC DESCRIPTION	DEPTH Metres	SAMPLE NUMBER	ASSAYS		
					Au Oz/ton	Ag Oz/ton	
96%		56.36 - 59.22 META-SILTSTONE. WEAKLY BRECCIATED BY FRACTURING AND VEINING. SEVERAL SHEAR FRACTURES. MEDIUM DENSITY QUARTZ. 3% AS IRREGULAR LOW ANGLE VEINLETS. 2 WHITE CARBONATE VEINLETS - 1CM	61 60.6 62.2 63	29612	0.006	0.18	
62.79		59.22 - 60.7 AUGITE PORPHYRY					
128%		60.7 - 61.06 META-SILTSTONE.	64				
63.4		61.06 - 62.2 QUARTZ VEIN: WHITE 5-10% CHLORITIZED-EPIDOTIZED WALLROCK FRAGMENTS. FEW OBVIOUS HEMATITE FRACTURES. N.U.S.					
66%		62.2 - 64.31. FINE GRAINED ANDESITE. HIGHLY BROKEN AND SHEARED					
64.31		62.2-62.35 FRAGMENTAL GOUGE. 62.0A-63.16 GOUGE. 63.4-64.31 FRAGMENTED AND GOUGEY.					
		HOLE LOST AT 64.31 - 180' OF RODS LEFT IN HOLE.					
		64.31 E.O.H.					



LEGEND

- 5 QUARTZ VEINING & SILICIOUS ZONES
- 4 Lower Jurassic Toodoggone feldspar porphyry
- 3 calc-silicate hornfels
- 2 Triassic () Gabbro : probably equivalent to Takla augite porphyry
- 1 Takla and/or Asitka augite porphyry and meta-sediments

- Outcrop
- ~ Fault
- Geological contact
- ⊥ Top of creek wash gravel banks
- ▭ Trench
- ⋯ Cat trail
- Creek
- - Diamond Drill Hole - inclination & length

elevations shown are approximate
 GEOLOGY by G. Crooker and M. Vulimiri 1985

87 PM 7 -60.5° 154.2m
 87 PM 6 -49.5° 107.9m

87 PM B
 48° 63.4m

87 PM I
 50° 118.4m

87 PM 3 -50° 116m

87 PM 4 -60.5° 163.4m

87 PM 2
 67° 223.4m

87 PM 5
 -50° 169.5m

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

16,476

CHENI GOLD MINES INC.			
TOODOGGONE PROJECT			
PERRY MASON CLAIMS			
D. D. H. LOCATION PLAN			
With Trench and Outcrop Geology			
EXECUTED: CHENI	DATE: 1987	SCALE: 1/500	0 10 20 30m
DATA: G.C., M.V., R.R.	95/87		
INTERPRETED: R.R.	Nov 87	REPORT No:	MAP No:
REVISIONS:		94 E/6	4