

BORE RECORD

3 0172

Plant D.M. 5th Diesel Percussion
 Driller D. Brown
 Commenced July 31st, 10 a.m.
 Finished August 4th 3 p.m.

96 625

Bore Line

Bore No G.B.13

Location Checking Govt. Bore 48Z

R.L. Surface 252.6 (reference Govt. bore plan datum)
 142.6 (reference approx. sea level)

AREA Scotia Lead, Gladstone District, N.E. Tasmania

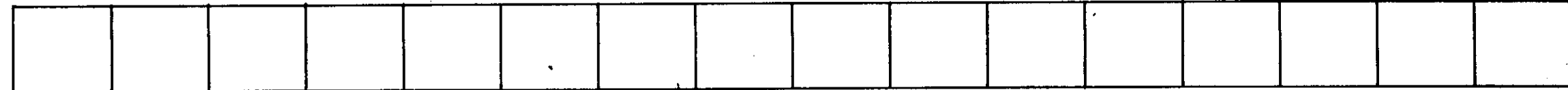
General AMG 584900E 5468100N

Ref NO. 3184

Sample No	Value lbs/c.yard	Depth of Section	Total Depth	Description of Ground	Volumes	Remarks
N.S.	-	5'	5'	Light grey fine sandy clays, weathering red brown due to surface ferruginisation.		
1	Nil	5'	10'		0.77 (0.70)	
2	Nil	5'	15'	Light grey clayey or silty sands.	0.70 (0.70)	
3	Nil	5'	20'	Characteristically has coarse unsorted quartz grains in a fine clayey or silty matrix.	2.19 (2.10)	
		10'	30'			
4	Nil	5'	35'		1.56 (1.40)	
		5'	40'			
5	Nil	5'	45'	Light brown unsorted clayey or silty	0.70 (0.70)	
6	Nil	5'	50'	sands. Characteristically coarse subrounded.	0.77 (0.70)	
7	Nil	5'	55'	quartz grains in a finer sand or clayey	0.70 (0.70)	
8	Nil	5'	60'	sand matrix. Carbonaceous material common.	0.74 (0.70)	
9	Nil	10'	70'	Light brown sands, clayey and silty sands	1.48 (1.40)	
10	Nil	4'	74'	and darker carbonaceous and lignitic sands	0.56 (0.56)	
11	Nil	5'	79'	and clayey sands.	0.85 (0.84)	
		1'	80'			
12	Nil	2'	82'	Black lignite or lignitic clays.	0.852 (0.98)	
		2'	84'	Coarse grits		
		3'	87'			
13	Tr.	7'	94'	Coarse unsorted pebbly grits with narrow wash bands at intervals. Pebbles subangular to subrounded and consist of quartz and quartzite.	1.074 (0.98)	
14	16.20oz/ya.	5'9	99'9		1.00 (0.84)	
		'3	100'0			First sign of bottom at 99'6
N.S.		2'	102'	Grey sandstones, quartz veined.		

GRAPHIC LOG

- RED: Shingle wash
- ORANGE: Fine pebbly wash
- YELLOW: Drift (Coarse sand)
- Green: Fine sand
- BLUE: Silt
- GREY: Clay



Rough concentration : J. Campbell
 Cleanup by..... Dorset Tin

SCREENINGS and CLEANUP

3 0173

Supervised by..... J. H. Rattigan

Sample No.	No. of measuring Buckets	Cubic feet Cores	+ 3/8	- 3/8	Volume x Calculations	Volume Washed	Weight Concentrate	Weight heavy mineral less Cassiterite	Weight Cassiterite	Screen Analysis (Cassiterite)	Proportions of gold or other economic by products	Check Tails	Remarks
1	1-3"	0.77	N11	0.77		0.25			N11				
2	1-4"	0.70	N11	0.70		0.25			N11				
3	3-12"	2.19	N11	2.19		0.50			N11				
4	2-6"	1.56	N11	1.56		0.50			N11				
5	1-4"	0.70	N11	0.70		0.25			N11				
6	1-3"	0.77	N11	0.77		0.25			N11				
7	1-4"	0.70	N11	0.70		0.25			N11				
8	1-3 1/2"	0.74	N11	0.74		0.25			N11				
9	1-7"	1.48	N11	1.48		1.48			N11				
10	1-6"	0.56	N11	0.56		0.56			N11				
11	1-2"	0.85	N11	0.85		0.85			N11				
12	1-2"	0.85	Tr.	0.85		0.85			N11				
13	1-1"	1.07	Tr.	1.07		1.07			Tr.				
14	1.00	1.00	0.19	0.81		0.81			0.60	+ 50 20% +100 67% -100 13%		Tr.	
Spillings		0.30											
Check tails.													

DRUMS	SCREEN ANALYSIS
1" = 0.074 c.ft.	+ 16
	+ 30
	+ 50
Tubes	+ 100
1ft. = 0.14 c.ft.	+ 150
5ft. = 0.10 c.ft.	+ 200
	- 200

Calculations and Corrections by..... J. H. Rattigan

Sample 14 6' 0.60 oz. 1.0 c. ft. Value in section $\frac{0.6 \times 27}{1.0} = 16.20$ oz/yd.

Weighted value of hole = $\frac{6 \times 16.2}{100} = 0.972$ oz/yd.

Total Depth 100.00 ft.		VALUE
Overburden	94.0 ft. %	
Paywash	6.0 ft. %	0.97 oz/yar
Sand	ft. %	0.06 lb/yar
Clay	ft. %	
Shingle and Pebble beds	6 %	
Overburden Paywash	$\frac{94}{6} = \frac{15.7}{1}$	
Percentage Oversize	+ Tr. %	