

Bore Line .....

Bore No. G.B.17

BORE RECORD

3 0184

Tas. Dept. of Mines  
5" Diesel Cable Tool

Driller: D. Brown

Commenced: August 21st

Finished: Thursday August 29th

Location: Checking Govt. Scotia Bore 43Z

R.L. Surface 257.1 (referred to Govt. bore plan datum)  
147.1 (referred to approx. sea level)

AREA: SCOTIA LEAD, GLADSTONE DISTRICT  
N.E. TASMANIA

General AMG 584900E 5468100N No Core held. Ref No: 3188

Sample No	Value lbs/c.yard	Depth of Section	Total Depth	Description of Ground	Volumes	Remarks
1	Nil	5'	5'	Grey clays and sandy clays, red weathering colour near surface.	3.56 (3.5)	
		5'	10'			
		5'	15'			
		5'	20'			
		5'	25'			
2	Nil	5'	30'	Light grey sandy clays and clayey sands; characteristically coarse quartz grains in a white kaolin matrix.	3.63 (3.5)	
		5'	35'			
		5'	40'			
		5'	45'			
		5'	50'			
3	Nil	5'	55'	Light brown, unsorted sands and silty sands.	1.48 (1.40)	
		5'	60'			
4	Nil	5'	65'	Characteristically coarse quartz grains in a finer silty sand matrix. Darker carbonaceous bands.	1.40 (1.40)	
		5'	70'			
		5'	75'			
5	Nil	5'	80'	Marcasite characteristic in lower bands, and carbonaceous and lignitic material throughout.	1.48 (1.40)	
6	Nil	4'	84'			
7	Nil	4'	88'			
8	Nil	4'	92'	Wash coarse angular to rounded quartz pebbles in an angular gritty matrix. Bottom material apparent from 96'3 but may occur as boulders.	0.67 0.56	
9	Nil	2'6	94'6			
10	Nil	2'6	97'	Chiefly soft sandstones and slates, but some gritty and pebbly material apparent, irregular and fissured bottom possible	0.51 (0.35)	
11	Nil	7'	103'			
			104'			
12			105'	Slates and quartzites.	1.00 (0.98)	
			112'			
			117'			
13			119'	Grey, quartzveined slates, no cassiterite.		
			123'			

GRAPHIC LOG

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



Rough concentration by J, Campbell  
Cleanup by Dorset Tin

SCREENINGS and CLEANUP

3 0185

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	4-6"	3.56		3.56		0.50			Nil				
2	4-5"	3.63		3.63		0.50			Nil				
3	2-7"	1.48		1.48		0.25			Nil				
4	2-8"	1.40		1.40		0.25			Nil				
5	2-7"	1.48		1.48		0.25			Nil				
6	1-4 1/2"	0.67		0.67		0.25			Nil				
7	1-4"	0.70		0.70		0.25			Nil				
8	1-4 1/2"	0.67		0.67		0.67			Nil				
9	1-6 1/2"	0.51		0.51		0.51			0.06 oz.				
10	1-8.8/10"	0.34	0.06	0.28		0.34			0.35	+50 71.5% +100 17% -100 11.5%			(+) difficult to determine depending on whether (not slates and sandstone pebbles or true botto material.
11	1.00	1.00	?			1.00			0.12 oz.				
12													
13													

DRUMS	SCREEN ANALYSIS
1" = .074 c.fr.	+16
	+30
	+50
Tubes	+100
1ft. = 0.14 c.fr.	+150
5ft. = c.fr.	+200
0.70	-200

Calculations and Corrections by.....

Sample 9 Value in section  $\frac{.06 \times 27}{0.51} = 3.18 \text{ oz/yard}$

10  $\frac{.35}{.34} \times 27 = 27.8 \text{ oz/yard}$

11  $\frac{.12}{1.00} \times 27 = 3.24 \text{ oz/yard}$

Weighted value of hole =  $\frac{(2.5 \times 3.18) + (2.5 \times 27.8) + (7. \times 3.24)}{104} = \frac{100.13}{104} = 0.96 \text{ oz./yard.}$

Total Depth	ft.	VALUE
104	ft.	
Overburden	92.6 ft. %	0.96 oz/yard
Paywash	12 ft %	0.06 lb/yard
Sand	ft %	
Clay	ft. %	
Shingle and Pebble beds	9.6" %	
Overburden	$\frac{92.5}{104} = 7.7$	
Paywash		
Percentage Oversize	+ %	