RIO TINTO AUSTRALIAN EXPLORATION PTY. LIMITED

BORE RECORD

96 6/25

2 0172

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

Plant D.M. 5" Diesel Percussion
Driller D. Brown
Commenced July 31st, 10 a.m.
Finished August 4th 3 p.m.
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)	
		5'	20'	Characteristically has coarse unsorted quartz			
3	Nil	10'	30'	grains in a fine clayey or silty matrix.	2.19	(2.10)	
		5'	35'				
4	Nil	5'	40'		1.56	(1.40)	
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.			
		1'	80'		0.85	(0.84)	
		2'	82'	Black lignite or lignitic clays.			
12	Nil	2'	84'	Coarse grits	0.852	(0.98)	
		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/yd.	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
Footage

Plan No M24

97

3184

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	+⅜	−⅜	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	Nil	0.77		0.25			Nil				
2	1-4"	0.70	Nil	0.70		0.25			Nil				
3	3-12"	2.19	Nil	2.19		0.50			Nil				
4	2-6"	1.56	Nil	1.56		0.50			Nil				
5	1-4"	0.70	Nil	0.70		0.25			Nil				
6	1-3"	0.77	Nil	0.77		0.25			Nil				
7	1-4"	0.70	Nil	0.70		0.25			Nil				
8	1-3½	0.74	Nil	0.74		0.25			Nil				
9	1-7"	1.48	Nil	1.48		1.48			Nil				
10	1-6"	0.56	Nil	0.56		0.56			Nil				
11	1-2"	0.85	Nil	0.85		0.85			Nil				
12	1-2"	0.85	Tr.	0.85		0.85			Nil				
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.

			VALUE
Total Depth	100.00	ft.	
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	94/6 = 15.7/1		
Percentage Oversize	+ Tr.	%	

Plan No M25