RIO TINTO AUSTRALIAN EXPLORATION PTY. LIMITED

3 0163 90 Q25

BORE RECORD

Bore Line .....
Bore No G.B.10
Location Scotia Lead 3' east D. of M. Bore 44Z
R.L. Surface 256.9 (referred to D.M. bore Plan datum)
146.9 (referred to approx. sea level)

AREA SCOTIA, Gladstone District
Great Northern Plain N.E. Tasmania
General AMG 384900E 5468100N

Plant Tas. Dept. Mines 5" Percussion
Driller D. Brown
Commenced Thursday, July 10th 4 p.m.
Finished Friday July 12th, 12.00 noon

No Core held

Sample No	Value lbs/c.yard	Depth of Section	Total Depth	Description of Ground	Volumes			Remarks
1	Nil	5'	5'	Sandy clays. Primary colour grey weathering reddish brown, through surface ferruginisation.	1.482	(1.40)		Ref No 3181
		5'	10'					
2	Nil	5'	15'		1.556	(1.40)		
		5'	20'					
3	Nil	5'	25'	Light grey, unsorted clayey sands and sandy clays.	1.482	(1.40)		
		5'	30'					
4	Nil	5'	35'		1.482	(1.40)		
		5'	40'					
5	Nil	5'	45'	Unsorted clayey sand. Coarse subangular quartz grains in a light grey clayey matrix.	1.556	(1.40)		
		5'	50'					
6	Nil	5'	55'	Unsorted light brown sands. Coarse angular to subangular quartz grains in finer silty sand matrix. Some fine sandy bands with carbonaceous parting and carbonaceous ("peaty") silty sands.	1.63	(1.40)		
		5'	60'					
7	Nil	10'	70'		1.63	(1.40)		
8	Nil	5'	75'		1.21	(1.40)		
		5'	80'	Similar unsorted sands but coarser fraction more dominant (unsorted grits) Some carbonaceous fine silty sands and grits. One prominent carbonaceous band at 87'6.				
9	Nil	4'	84'		0.63	(0.56)		
10	Nil	3'6	87'6		0.56	(0.49)		
11	Nil	3'6	92'	Coarse unsorted grit comprising coarse subangular quartz and quartzite fragments in a finer quartz matrix.	0.56	(0.49)		
		3'	95'					
12	20'6	1'	96'	Coarse grits with wash bands at 92'6 and 96'6 pebbles up to 1½" of quartz and quartzite (subangular to rounded) in wash bands.	0.852	0.92 (0.77)	0.88	Individual samples bulked after establishing no excess core.
		1'3	97'3					
		'3	97'6					
		'6	98'		0.07	(0.105)		First sign of bottom at 97'3
		3'6	101'6	Slate and slatey sandstone, bottom.				
				Spillings 85'-100'				

GRAPHIC LOG

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

Footage

Plan No M24

91

3 0164

3181

Rough concentration by J. Campbell

Cleanup by Dorset Tin

SCREENINGS and CLEANUP

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	2-7"	1.482		1.48		1.48			Nil				
2	2-6"	1.556		1.56		1.56			Nil				
3	2-7"	1.482		1.48		1.48			Nil				
4	2-7"	1.482		1.48		1.48			Nil				
5	2-6"	1.556		1.56		1.56			Nil				
6	2-5"	1.63		1.63		1.63			Nil				
7	2-5"	1.63		1.63		1.63			Nil				
8	2-10½	1.21		1.21		1.21			Nil				
9	1-5"	0.63		0.63		0.63			Nil				
10	1-6"	0.56	Tr.	0.56		0.56			Nil				
11	1-6"	0.56	0.05	0.51		0.56			Nil				
12	1-2"	0.852) .07)	0.92	0.10 0.82		0.92			0.70 oz.				Abundant associa cassiterite dre
Spillings 85'100'													
Check tails													

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

Calculations and Corrections by J. H. Rattigan

Values wash band 92'-98' $\frac{0.7 \times 1 \times 27}{0.92}$ = 20.5 oz/yard

Weighted value of hole $\frac{20.5 \times 6}{98}$ = 1.26 oz/yard

Corrections for spilling and tails not applied - insignificant.

Total Depth	98	ft.	VALUE
Overburden	92	ft. 91.9 %	1.26 oz/yard
Paywash	6	ft. 6.1 %	0.079 lb/yard
Sand	82	ft 55%	
Clay	10ft.	ft. 10.1%	
Shingle and Pebble beds	6 ft.	6.1 %	
Overburden Paywash	$\frac{92}{6}$	= $\frac{15.3}{1}$	
Percentage Oversize	+ Tr.	%	

Plan N° M25