

DEPARTMENT OF MINES-TASMANIA

Churn Drill Log

22038 M5614 196 (68)

Area: ENDURANCE Hole No. 6 Line No. 10W Grid Reference AM6 547529E 5459155N

Crew K. Harper Date 10/12/68 Clean up by F. Smith Shoe Diameter 5-⁵/₁₆" Factor cu. ft. per ft. No Core held

Section Feet		Volume, Cu. ft.			+ 8 %	Colours of Gold	Jig Tons % Sn	Cassiterite Gms.		Value oz. p.c.y.	Formation By Driller	Remarks By Dresser	
From	To	Theoretical	Bucket	Jig				Actual	Adj.				
0	8										Black mud		
8	12										Gravel		
12	40										Drift		
40	55										Clayey Drift		
55	75										Clay, drift & wood		
75	100										Drift		
100	105	.77	$\frac{2}{3}$	69"		28.1	3.0	1.2	1.5		Pebbly drift	Drift	
105	110	"	$\frac{5}{6}$	76"		48.1	4.9	3.4	4.2		" "	Drift & Pebbles	
110	115	"	$\frac{1}{3}$	65"		55.6	14.5	11.5	14.2		Clayey drift	Drift, pebbles & clay	
115	120	"	$\frac{1}{2}$	92"		53.5	22.0	18.4	22.7		Drift	Drift	
120	125	"	$\frac{5}{12}$	88"		55.7	14.7	11.7	14.4		Clay & drift	"	
125	130	"	$\frac{5}{12}$	91"		57.3	36.2	29.6	36.5		" "	Drift & clay	
130	135	"	$\frac{1}{3}$	57"		50.6	48.9	35.4	43.7		Silty clay	" "	
135	140	"	$\frac{1}{3}$	54"		53.4	23.1	21.4	26.4		" "	" "	
								132.6	163.6				
							Assay	%	Adjusted to 70% Sn.				

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Crew		Date	Clean up by		Shoe Diameter	" Factor	cu. ft. per ft.					
Section Feet		Volume, Cu. ft.			+ %	Colours of Gold	Jig Pans % Sn	Cassiterite Gms.	Value lb. OZ. p.c.y.	Formation	Remarks	
From	To	Theoretical	Bucket	Jig	%			Actual	Adj.			
140	145	.77	1/2				57.7	31.2	132.6	163.6	Clay & wash	Clay & stones
145	150	"	1/2				33.6	22.4	25.6	31.6	Gravelly clay	" "
									10.8	13.3	Granite bottom	Granite
									169.0	208.5		
							17.2	13.3	3.3		Pyrite discard from panning	100'-4" of 6" casing Samples from 105' in 5" casing. Bored 1' ahead of casing from 140'
									172.3			
								Assay	%	Adjusted to 70% Sn.		0 - 150 7 oz/cy.
												100 - 150 21 " "