

DEPARTMENT OF MINES-TASMANIA

Churn Drill Log

22038 M5614 196 (68)

Area: ENDURANCE Hole No. 2 Line No.10W Grid Reference *AMG 577551E 5459076N*

Crew K. Harper Date 11/10/68 Clean up by F. Smith Shoe Diameter 7" "Factor 0.267 cu. ft. per ft. *No core held*

Section Feet		Volume, Cu. ft.			+ %	Colours of Gold	Cassiterite Gms	Value 02/cy. per.	Formation By Driller	Remarks By Dresser	
From	To	Theoretical	Bucket	After Driving							
0	5								Black mud		
5	10			62"					Gravelly clay		
10	15	1.34	.34	62"		9.49	1.2	.15	.11	Drift	Drift
15	20	1.34	.92	68"		10.8	1.6	.25	.18	"	"
20	25	1.34	.57	67"		12.3	1.5	.21	.15	Drift with clay	Clay with drift
25	30	1.34	.31	75"		25.0	6.1	3.05	2.16	" "	Drift
30	35			80"						" "	
35	40	1.34	1.15	86"		50.0	4.0	2.36	2.03	" "	Drift
40	45	1.34	.57	87"		3.45	3.5	.17	.12	Stebly drift	"
45	50			80"						" "	
50	55			79"						" "	
55	60			80"						Clay	
60	65			80"						Clay with gravel	
65	70			70"						" " "	
70	75			73"						" " "	
							6.69	4.75			
							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	Cassiterite Gms.	Value 02/c.y.	Formation	Remarks			
	Theoretical	Bucket	Jig							% Sn	Actual	Adj.
75	80	1.34	.69	80"		3.45	3.9	.19	.14	Drift	Drift	
80	85	1.34	.69	81"		4.60	2.0	.13	.09	Clayey drift	Clay with drift	
85	90	"	1.04	92"		5.35	3.0	.23	.16	Drift	Drift	
90	95	"	1.15	96"		24.8	15.7	5.80	4.12	"	"	
95	100	"	1.15	97"		5.45	83.1	6.48	4.60	"	"	
100	105	"	1.38	101"		30.4	15.7	6.80	4.83	"	"	
105	110	"	.69	85"		33.2	6.9	3.07	2.18	"	"	
110	115	"	.69	84"		63.6	37.5	34.1	24.20	"	"	
115	120	"	.34	56"		60.6	94.0	78.3	55.9	Cemented clayey drift	"	
120	125	"	.34	25"		61.1	61.7	53.9	38.2	"	Clay and drift	
125	130	"	.58			51.3	88.3	65.1	46.2	Wash	Clay, drift and wash	
130	135	"	.58			54.6	106.7	83.4	59.2	"	" " "	
135	140	"	.46			25.3	42.2	15.3	10.9	Cemented clayey drift	Drift with clay	
140	145	"	.35			24.7	11.6	4.1	2.91	"	Drift with clay	
							364.09	258.38				
							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 % Sn	Cassiterite Gms.		Value $\frac{\text{lb.}}{\text{c.y.}}$	Formation	Remarks	
From	To	Theoretical	Bucket	Jig				Actual	Adj. 70%				
145	150	1.34	.46			2.0	58.9	1.9	1.35	Cemented clayey drift. Clay and drift.	" " "		
150	155	1.34	.46			1.0	15.6	0.2	.14				
									259.87				
								366.2		3.4			
							49.8	20.6	14.8		Pyrite discard from panning. 100'-150'		
Note: Values decreased because of samples taken by geologist before washing.													
								331.0		8.8			
Assay								%	Adjusted to 70% Sn.				
										0' - 155'	3.8 oz.		
										0' - 140'	9.6 oz.		
										90' - 140'	23.0 oz.		