

DIAMOND DRILL CORE RECORD

671 043

Hole No. 229
 Drilled by ASSOCIATED DIAMOND DRILLERS
 Core Recovery 77%
 Geological Logging by —
D. J. PERKIN

Area of Operation SAVAGE RIVER, Tas.
 Location of Site 139°W ALONG TRAV. B80; 117°N
 Date Commenced 21-10-1965
 Date Completed 3-11-1965
 CO-ORDINATES: 23,860N; 21,143E.

Reduced Level of Site 1082.1'
 Bearing of Hole 270°
 Dip of Hole 0° 250°
-45° -45°30'
 Bore Depth 320'

AMG Co-ords: 351244 E 5405472 N.

Ref No 2125 42 129

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS								
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	CRUDE	CONCENTRATE (-325Mesh)				
1965									From Ft.	To Ft.		%Fe	Recovery	%Fe	%SiO ₂	%Ni	%TiO ₂
21/10	0.0	23.0	16.2	0.0	3.0	OVERBURDEN			0	3		Overburden					
22/10	23.0	57.8	32.4			Ironstone Scree.			3	21		66.71	11.13	70.36	<0.5	0.040	0.27
23/10	57.8	119.0	58.4	3.0	141.0	MAGNETITE (RICH).			21	39		64.93	4.27	-	-	-	-
25/10	119.0	154.0	14.5			From 3.0 to 23.0 fine to medium - grained			39	57		60.95	5.27	-	-	-	-
26/10	154.0	171.0	12.2			massive and hard with some secondary			57	74		56.97	15.80	69.31	<0.5	0.073	0.41
27/10	171.0	196.6	18.5			interstitial hematitic and limonitic cement			74	91		55.51	65.19	70.85	<0.5	0.047	0.46
28/10	196.6	213.0	11.2			and a moderately pitted surface. Quite			91	108		62.00	80.36	71.26	<0.5	0.021	0.29
29/10	213.0	234.0	11.9			oxidised, containing fair amounts of			108	125		61.46	77.20	71.11	<0.5	0.037	0.36
30/10	234.0	256.5	15.3			hematite and moderate amounts of goethite and			125	141		61.52	77.79	70.87	<0.5	0.047	0.49
1/11	256.5	280.0	17.4			limonite throughout. Weakly magnetic. Clay			141	177		(Amph)					
2/11	280.0	301.1	18.6			and limonite along fracture planes.			177	189		59.08	74.65	71.19	<0.5	0.055	0.39
3/11	301.1	320.0	18.2			From 23.0 to 71.0, quite oxidised, fine			189	200		51.93	66.12	72.17	<0.5	0.029	0.38
						to medium-grained, massive and hard with			200	234		(Amph)					
						some secondary interstitial hematitic and			234	259		Banded Schist					
						limonitic cement and a moderately pitted			259	279		16.35	14.94	70.73	0.70	0.044	0.40
						surface. Weakly magnetic containing fair			279	286		34.96	43.66	70.25	0.64	0.019	0.68
						amounts of hematite and moderate goethite,			286	300		16.67	16.53	70.90	0.60	0.01	0.50
						limonite and oxidised tremolite-actinolite			300	320		Banded Schist					
						throughout. - Moderately friable zone 37.0											
						- 44.0. Fibrous Tremolite - Actinolite -											
						rich zones from 46.0 - 56.8 and 68.0 - 71.0.											
						Minor pyrite 51.2 - 51.6 and 64.0 - 68.0.											
						Medium - grained zone from 43.7 - 53.0. Clay											
						and limonite on fracture planes.											
						From 71.0 - 74.0, fine to medium-grained,											
						massive, moderately to strongly magnetic,											



LEGEND.			
RICH	> 55%Fe	MEDIUM LEAN	> 22%Fe
MEDIUM RICH	> 44%Fe	LEAN	> 11%Fe
MEDIUM	> 33%Fe	AMPHIBOLITE	< 11%Fe
			ZONE OF OXIDATION

672 Q43

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS									
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To							
						<p>moderately oxidised with moderate amounts of pyrite and minor hematite throughout.</p> <p>* Oxidised tremolite + actinolite along fracture planes.</p> <p>From 74.0 to 141.0, magnetite is only slightly oxidised, fine to medium-grained, slightly friable in places, strongly magnetic, massive with minor amounts of pyrite and tremolite + actinolite disseminated throughout. Minor pyrrhotite (?) 76.0 + 80.0</p> <p>fairly sheared and schistose tremolite + rich zones from 83.7 + 84.9, 117.0 + 119.0, 124.0 + 126.0 and 129.0 + 134.2.</p>												
				141.0	177.0	<p><u>AMPHIBOLITE</u></p> <p>Fine + grained, fairly massive with occasional sheared clayey zones. Fairly altered with minor magnetite blebs sometimes associated with quartz veinlets and occasional epidote + rich zones throughout. Fairly fine-grained magnetite zone with moderate amounts of tremolite + actinolite and occasional pyrite from 148.0 + 151.0. Fairly soft puggy zone with minor talc from 176.0 + 178.0. Moderately broken and fractured core.</p>												
				177.0	200.0	<p><u>MAGNETITE (RICH)</u></p> <p>Fine to medium - grained, massive with moderate tremolite + actinolite and minor pyrite disseminated throughout. + Moderately broken core with occasional soft clayey zones.</p>												
				200.0	234.0	<p><u>AMPHIBOLITE</u></p>												

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