696 943

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

Hole No. 237

Drilled by GLINDEMANN & KITCHING

Core Recovery 70%

Geological Logging by — T. MUNRO

Area of Operation SAVAGE RIVER, TAS.

Location of Site 23258 N; 21259 E

Date Commenced 13 - 7 - 1966

Date Completed 25 - 7 - 1966

Reduced Level of Site 1124.9

Bearing of Hole 90°

Dip of Hole 0' / -45° ; 150' / -46° ; 300' / -46° 30'

Bore Depth 300.0'

42 162

Ref N° 2133

A 29297 AMG Co-ords: 351279E 5405290 N.

DRILL RECORD

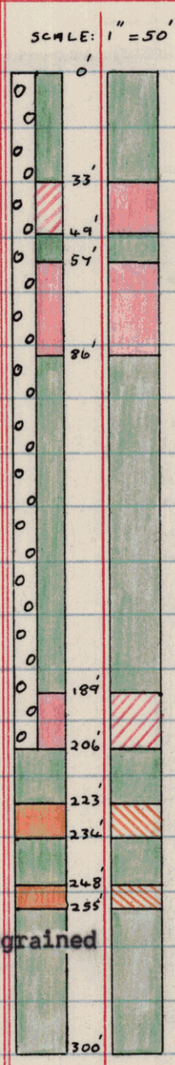
Date 1966	From	To	Core Recov.
13/7	0.0	14.5	7.2
14/7	14.5	49.0	25.0
15/7	49.0	80.5	25.1
16/7	80.5	100.0	19.5
17/7	100.0	130.3	21.7
18/7	130.3	170.5	29.8
19/7	170.5	182.5	7.8
20/7	182.5	189.0	5.2
21/7	189.0	234.0	29.3
22/7	234.0	264.7	18.7
25/7	264.7	300.0	20.3
	END OF HOLE		

GEOLOGICAL LOG

From	To	Description
0.0	33.0	AMPHIBOLITE CLAY Fine-grained, massive, quite oxidised with limonite and clay on fracture planes.
33.0	49.0	MAGNETITE (MEDIUM-RICH) Fairly fine-grained, massive in parts, with limonite on fracture planes. Ore is only weakly magnetic and contains much limonite, hematite and clay. Quite oxidised with leached joints and voids decomposed in patches to magnetite-rich clay.
49.0	57.0	AMPHIBOLITE Fine-grained, fairly massive, quite oxidised to an orange-green clay oxidised magnetite-rich zone 52.3 - 53.5. Limonite and clay on fractures.
57.0	86.0	MAGNETITE (RICH) Fine-grained, massive, with minor fine-grained pyrite in blebs and stringers (Delta Angle = 70°). Moderately oxidised with fair amounts of hematite. Limonite on fractures. Quite oxidised zone 74.5 - 77.0 containing abundant voids, magnetite-clay and limonite.
86.0	189.0	AMPHIBOLITE Fine to medium-grained, decomposed to clay except for hard, fairly massive zones 88.5 - 91.0, 94.0 - 96.5, 102.0 - 109.0,

GEOLOGICAL SECTION

Core Sample



ASSAY RESULTS No Core held

Sample No. From Ft.	To Ft.	CRUDE Wt. %Fe	Recovery	%Fe	CONCENTRATE (-325 Mesh) %SiO2	% Ni	%TiO2
0	33	(Amphibole)					
33	49	56.63	57.50	68.36	0.62	0.071	0.23
49	57	(Amphibole)					
57	76	57.13	68.47	69.34	0.63	0.020	< 0.06
76	86	60.47	73.50	69.18	0.42	0.022	0.09
86	189	(Amphibole)					
189	206	50.13	65.70	70.56	0.44	0.017	0.33
206	223	(Amphibole)					
223	234	30.33	31.00	70.32	0.79	0.066	0.30
234	248	(Amphibole)					
248	255	31.28	33.67	69.50	1.12	0.047	0.36
255	300	(Amphibole)					

LEGEND

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

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS 42 164									
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To							
				248.0	255.0	Cont..... fine-grained tremolite-actinolite and magnetite - pyrite bands (Delta Angle Banding = 70°). Minor pyrite. Black chloritic mineral on fracture planes.												
				255.0	300.0	AMPHIBOLITE Fine to medium-grained, fairly massive, soft and friable in parts with medium-grade magnetite zones 277.0 - 278.5, 295.0 - 296.0. From 265.0 - 277.0 rock has a spotted texture of fine-grained magnetite aggregates up to 0.2" in a green to white tremolite-actinolite ground mass. Aggregates are sub-spherical and have slight alignment at 273' (Delta Angle = 50°). Hematite on fracture planes.											
						END OF HOLE												

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DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS									
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To							
				86.0	189.0	Cont..... 140.0 - 148.0, 149.5 - 153.5, 159.0 - 171.0. Quite to slightly oxidised with limonite on fracture planes. Many incipient or rehealed fractures containing limonite.												
				189.0	206.0	MAGNETITE (RICH) Fine-grained, broken with moderate amounts of tremolite - actinolite and clay and very little pyrite. Moderately oxidised. Limonite-rich zone 202.0 - 206.0. Magnetite sand 195.0 - 202.0. Limonite on fractures.												
				206.0	223.0	AMPHIBOLITE: From 206.0 - 217.5 quite oxidised. Green pyritic clayey sand. From 217.5 to 223.0, slightly oxidised, hard, fairly massive and fine-grained with hematite on fracture planes.												
				223.0	234.0	MAGNETITE (MEDIUM) Medium-grained, fairly massive with fair amounts tremolite-actinolite and moderate pyrite. Banded lean zone 224.0 - 225.0 and amphibolite 228.5 - 230.5. Delta Angle Banding at 225.0 - 70°. 1" talc at 232.0. Slickensided serpentine and pyrite on fracture planes. Some leached joints.												
				234.0	248.0	AMPHIBOLITE Fine to medium grained, broken and decomposed to clay in parts. Some medium-grained zones with pitted surfaces. Black slickensided oxidised chlorite (?) on fractures.												
				248.0	255.0	MAGNETITE ((MEDIUM) Fairly fine-grained, fairly massive, banded in parts with alternation of thin												