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Q43

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

Hole No. 243

Drilled by GLINDEMANN & KITCHING

Core Recovery 70%

Geological Logging by — T. MUNRO

Area of Operation SAVAGE RIVER, TAS.

Location of Site 21500 N ; 20480 E

Date Commenced 26 - 8 - 1966

Date Completed 7 - 9 - 1966

Reduced Level of Site 979.0

Bearing of Hole 270°

Dip of Hole 0' -55° / 150' -55° / 340' -55° 30'

Bore Depth 340.0

42 185

Ref No 2139

A 24092

AMG Co-ords: 351041E 5404754N.

DRILL RECORD

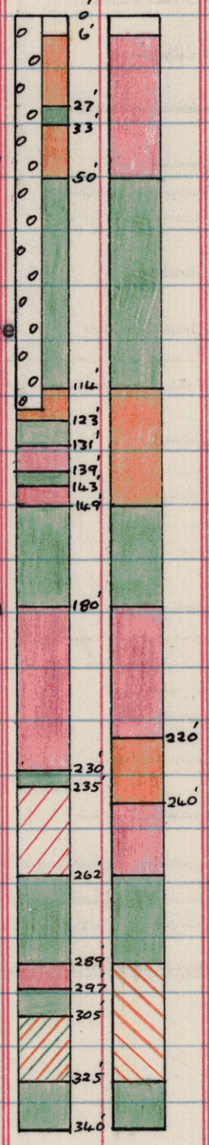
Date	From	To	Core Recov.
26/8	0.0	37.0	28.4
27/8	37.0	61.2	21.2
29/8	61.2	78.8	15.2
30/8	78.8	114.5	28.1
31/8	114.5	139.0	22.4
1/9	139.0	166.0	25.6
2/9	166.0	171.8	5.1
3/9	171.8	201.5	14.5
4/9	201.5	225.0	19.0
5/9	225.0	263.0	11.2
6/9	263.0	295.0	26.9
7/9	295.0	340.0	21.6
	END OF HOLE		

GEOLOGICAL LOG

From	To	Description
0.0	6.0	OVERBURDEN Ironstone scree.
6.0	27.0	MAGNETITE (MEDIUM) Fine-grained, quite oxidised, massive with deeply pitted surface due to voids formed by washing out of amphibole clay. Clay-filled joints. Abundant hematite. Clay zones 6.1 - 6.4 and 8.3 - 9.2. Limonite on fracture planes.
27.0	33.0	AMPHIBOLITE Massive, soft, plastic light-brown clay.
33.0	50.0	MAGNETITE (MEDIUM) Fairly fine-grained, pitted and leached with clay-filled joints and clay zones 39.0 - 40.5, 47.0 - 48.0. Quite oxidised and weakly magnetic.
50.0	114.0	AMPHIBOLITE Friable, oxidised light-brown clay, fine-grained 50 - 89, medium to corase-grained 92 - 104, fairly fine-grained 104 - 114. Black oxidised material on fracture planes. Magnetite-clay sand 88.8 - 92.0 and 100.0 - 100.4.
114.0	123.0	MAGNETITE (MEDIUM) From 114.0 to 114.5 lean banded ore (Delta Angle = 45°) From 114.5 to 117.5 oxidised disaggregated magnetite sand with some

GEOLOGICAL SECTION

Core Sample



ASSAY RESULTS

No Core held.

Sample No. From Ft.	To Ft.	CRUDE % Fe	CRUDE % S	CONCENTRATE (-325 Mesh) % Wt	% Fe	%SiO_2	% Ni	%TiO_2	% V
0	7	Overburden							
7	24	63.25	0.06	53.60	69.44	0.02	0.051	<0.10	0.37
24	44	55.70	0.09	20.67	69.04	0.29	0.055	0.11	0.36
44	50	56.82	0.05	31.07	68.48	0.48	0.056	0.14	0.39
50	114	(Amph.)							
114	134	33.60	0.11	32.22	69.28	0.43	0.051	0.29	0.32
134	149	35.49	4.56	38.42	70.83	0.45	0.037	0.25	0.39
149	180	(Amph.)							
180	200	61.33	4.70	78.18	70.99	0.29	0.040	0.19	0.46
200	220	61.49	5.26	78.27	70.83	0.33	0.044	0.24	0.45
220	240	39.43	5.32	45.28	70.26	0.57	0.076	0.32	0.48
240	251	55.69	6.22	69.12	70.60	0.68	0.042	0.35	0.42
251	262	58.43	6.68	71.49	70.68	0.48	0.047	0.43	0.38
262	289	(Amph.)							
289	309	32.48	4.51	34.03	70.44	0.74	0.042	0.36	0.39
309	325	32.32	4.88	35.06	70.68	0.75	0.050	0.55	0.34
325	340	(Amph.)							

LEGEND

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

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DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS 42 186			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
				114.0	123.0	Cont... interstitial clay. From 117.5 to 119.0 fine-grained amphibolite Slightly sheared (Delta Angle = 40°). From 119.0 to 120.0 medium - grade, fairly fine-grained oxidised clayey ore. From 120.0 to 123.0 slightly oxidised rich banded ore. Fairly fine-grained with fair amounts of pale tremolite and moderate pyrite in blebs, bands and stringers (Delta Angle = 70°).						
				123.0	131.0	AMPHIBOLITE Fine-grained, fairly massive, soft, partly decomposed, slightly oxidised. Limonite on fracture planes. Rich magnetite zone 126.0 - 127.0 and magnetite sand 128.8 - 129.6.						
				131.0	139.0	MAGNETITE (RICH) Fairly fine-grained, massive in parts with fair amounts of pale green tremolite - actinolite and moderate pyrite in blebs stringers and aggregates. Limonite and talc on fracture planes. Fine-grained amphibolite zone 132.8 - 133.6. From 136.0 to 137.5 magnetite aggregates have been peripherally altered to limonite.						
				139.0	143.0	AMPHIBOLITE Fine-grained, hard, fairly massive with small clay zones.						
				143.0	149.0	MAGNETITE (RICH) Fairly fine-grained magnetite sand with clay except for massive zone 147.0 - 148.0. Moderate amounts of tremolite - actinolite						

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42 187

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
				143.0	149.0	Cont.... clay and pyrite. Slightly oxidised.						
				149.0	166.0	AMPHIBOLITE Fairly fine-grained, hard, massive. Slightly oxidised. Limonite on fractures.						
				166.0	180.0	AMPHIBOLITE Fairly fine-grained, massive in parts with hematite on fracture planes.						
				180.0	230.0	MAGNETITE (RICH) Fairly fine-grained, fairly broken with moderate pyrite and talc and minor tremolite - actinolite in irregular blebs and stringers. Slight alignment at 209 (Delta Angle = 20°) and 230 (Delta Angle = 40°). Chlorite and talc on fracture planes. Fibrous tremolite-actinolite at 225. Barren fine-grained amphibolite zone 224 - 225. Lean ore 226 - 228.						
				230.0	235.0	AMPHIBOLITE Fine-grained, broken, with moderate epidote.						
				235.0	262.0	MAGNETITE (MEDIUM-RICH) Fairly fine-grained, very broken with moderate talc and pyrite. Poor core recovery. Some magnetite clay recovered, much possibly washed away.						
				262.0	289.0	AMPHIBOLITE Fine to medium-grained, massive with thin quartzofeldspathic and epidote veinlets.						
				289.0	297.0	MAGNETITE (RICH) Fine to medium-grained, massive with moderate fibrous tremolite - actinolite and pyrite barren fine-grained amphibolite zone 291.0 - 292.5. Contact at 297 is						

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DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS 42 188			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
				289.0	297.0	Cont..., very sharp (Delta Angle = 0°).						
				297.0	305.0	AMPHIBOLITE Massive, fine-grained, slightly sheared. Prominent slickensided joints (Delta Angle = 0°).						
				305.0	325.0	MAGNETITE (LEAN) Irregular zone of banded lean ore, rich ore and barren amphibolite. Banded ore has stringers and blebs of magnetite and pyrite disseminated throughout a tremolite-actinolite-rich rock. Rock is brecciated in parts and shows folding of magnetite stringers. Delta Angle hence variable = 307, 5°; 313, 40°; 320, 0°.						
				325.0	340.0	AMPHIBOLITE Fine to medium grained, fairly broken with thin quartzofeldspathic and epidote veinlets. END OF HOLE						