DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

729 Q43

Hole No. 249

Drilled by GLINDEMANN & KITCHING

Core Recovery 74%

Geological Logging by — T. MUNRO

Area of Operation SAVAGE RIVER, TAS.

Location of Site 22974 N ; 20720 E

Date Commenced 4 - 11 - 1966

Date Completed 11- 11 - 1966

Reduced Level of Site 952.5

Bearing of Hole 90°

Dip of Hole 0' -45° ; 120' -42° 30' ; 240' -43° 30'

Bore Depth 300.0'

42 207

A 22375

AMG Co-ords: 351220 E 5405160 N.

Ref N° 2145

DRILL RECORD

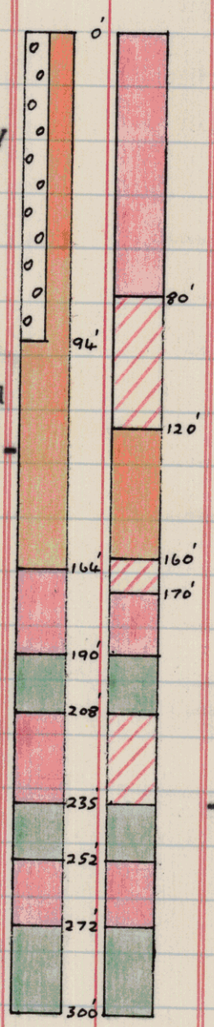
Date 1966	From	To	Core Recov.
4/11	0.0	52.5	37.6
5/11	52.5	115.0	54.9
7/11	115.0	161.0	42.4
8/11	161.0	170.0	8.6
9/11	170.0	206.5	21.6
10/11	206.5	273.2	32.8
11/11	273.2	300.0	23.0
	END OF HOLE		

GEOLOGICAL LOG

From	To	Description
0.0	164.0	MAGNETITE (MEDIUM) From 0.0 to 94.0 quite oxidised, fairly massive with abundant reddish-brown hematite and limonite. Pitted deeply with holes left by leaching. Contains soft puggy amphibolite clay zones 36.0 - 40.0, 44.0 - 47.5, and 75.0 - 77.0. Ore is moderately to weakly magnetic. From 94.0 to 164.0 ore is massive with some broken zones. Fairly fine grained with amphibolite zones 112.0 - 115.0, 127.0 - 130.0, sheared chloritised 122.0 - 125.0, lean zone 141.5 - 143.0 and rich sulphide 156.0 - 158.0.
164.0	190.0	MAGNETITE (RICH) Medium grained, fairly broken with moderate interstitial amphibole.
190.0	208.0	AMPHIBOLITE Fine-grained, fairly broken with patches and veins of epidote.
208.0	235.0	MAGNETITE (RICH) Very broken, medium-grained with moderate tremolite - actinolite and pyrite. Poor core recovery. Hole making water.
235.0	252.0	AMPHIBOLITE Fairly, fine-grained, massive in parts with thin hematite veinlets.

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	20	64.06	0.11	78.20	68.46	0.11	0.057	0.12	0.54
20	40	61.37	0.13	63.33	68.78	0.18	0.064	0.20	0.58
40	60	59.74	0.16	27.40	68.46	0.34	0.058	0.10	0.51
60	80	59.49	0.69	6.13	68.30	-	-	-	-
80	100	48.82	4.46	39.39	69.76	0.34	0.063	0.40	0.45
100	120	51.51	7.25	60.76	70.41	0.33	0.070	0.62	0.51
120	140	43.28	6.88	50.24	69.60	0.52	0.075	0.64	0.45
140	160	38.71	12.93	35.93	70.09	0.70	0.133	0.35	0.31
160	170	51.42	6.81	62.60	70.41	0.45	0.055	0.50	0.43
170	190	58.68	4.45	75.60	70.41	0.36	0.056	0.56	0.50
190	208	Amph.							
208	221	53.30	4.18	67.57	70.82	0.51	0.054	0.38	0.57
221	235	53.29	3.91	67.59	70.25	0.46	0.051	0.30	0.43
235	252	Amph.							
252	272	58.27	2.33	77.77	70.17	0.50	0.051	0.54	0.49
272	300	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	

730 043
42 208

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
				252.0	272.0	MAGNETITE (RICH) Very broken, medium-grained with moderate amphibole and pyrite. Poor core recovery. Hole making water.						
				272.0	300.0	AMPHIBOLITE Fine-grained massive with quartz - carbonate veins and minor magnetite disseminations. Rich magnetite zone 286.2 - 289.0.						
						END OF HOLE						