724 Q43

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

Hole No. 247 | Area of Operation SAVAGE RIVER TAS. | Reduced Level of Site 988.2

Drilled by GLINDEMANN & KITCHING | Location of Site 24137 N ; 21316 E | Bearing of Hole 90°

Core Recovery 66% | Date Commenced 12 - 10 - 1966 | Dip of Hole 0' / -55° ; 120' / -56° 30' ; 240' / -55° 30'

Geological Logging by — T. MUNRO | Date Completed 19 - 10 - 1966 | Bore Depth 300.0

42 200

Ref N° 2143

A 24092 AMG Co-ords: 351297E 5405564N.

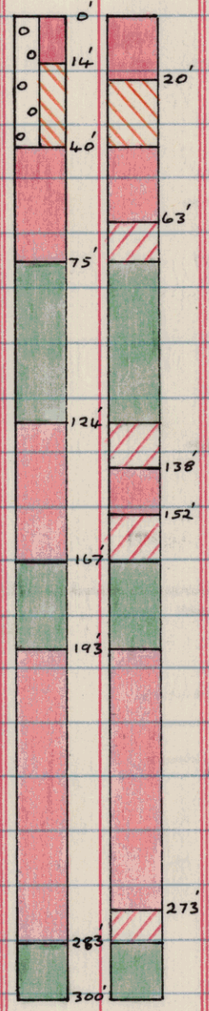
DRILL RECORD

Date	From	To	Core Recov.
12/10	0.0	40.0	29.4
13/10	40.0	94.0	38.2
14/10	94.0	118.7	18.1
15/10	118.7	166.6	32.0
17/10	166.6	192.7	12.3
18/10	192.7	235.2	29.9
19/10	235.2	281.8	29.2
20/10	281.8	300.0	9.3
	END OF HOLE		

GEOLOGICAL LOG

From	To	Description
0.0	14.0	MAGNETITE (RICH) Massive, moderately oxidised with voids formed by leaching. Moderate pyrite. Limonite on fracture planes.
14.0	40.0	MAGNETITE (MEDIUM-LEAN) Massive in parts, banded, with fair amounts of fine-grained pyrite and magnetite in blebs and stringers throughout a pale amphibole - rich host rock (Delta Angle Banding = 70°). Slightly sheared in parts. Frequent clay zones. Moderately oxidised. Limonite on fracture planes.
40.0	75.0	MAGNETITE (RICH) Fine to medium-grained, massive with moderate tremolite - actinolite and pyrite in blebs and stringers. Slight alignment at 60.0 (Delta Angle = 80°). Slightly oxidised.
75.0	94.0	AMPHIBOLITE Fine-grained and moderately altered 75.0 - 84.0, medium-grained 84.0 - 94.0. Fairly massive with hematite on fracture planes.
94.0	124.0	AMPHIBOLITE Fairly broken, mostly medium-grained, moderately altered with hematite on fractures.

GEOLOGICAL SECTION



ASSAY RESULTS No Core held.

Sample No. From Ft.	To Ft.	CRUDE % Fe	CRUDE % S	CONCENTRATE -325 Mesh % Wt	% Fe	%SiO2	% Ni	%TiO2	% V
0	20	58.35	4.16	72.13	70.09	0.24	0.076	0.45	0.47
20	40	32.23	8.98	30.90	69.44	0.93	0.110	0.19	0.31
40	50	58.99	4.43	76.06	70.17	0.32	0.069	0.28	0.51
50	63	56.74	4.89	73.04	69.76	0.48	0.070	0.23	0.46
63	75	54.89	3.81	72.11	70.00	0.47	0.053	0.22	0.43
75	124	Amph.							
124	138	54.33	5.75	69.12	69.84	0.48	0.066	0.15	0.42
138	152	55.46	4.53	72.40	69.28	0.75	0.049	<0.10	0.35
152	167	53.29	3.31	70.84	69.60	0.81	0.058	0.10	0.43
167	193	Amph.							
193	213	60.52	5.18	77.66	70.00	0.33	0.059	0.17	0.44
213	233	58.43	4.08	75.70	70.09	0.42	0.044	<0.10	0.37
233	253	55.46	4.23	71.78	69.68	0.57	0.032	<0.10	0.38
253	273	61.65	4.33	83.80	70.33	0.22	0.045	0.14	0.41
273	283	50.47	4.58	64.67	69.44	0.76	0.050	0.50	0.38
283	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	

725
043

42 201

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
				124.0	167.0	MAGNETITE (RICH) Fairly fine-grained, fairly massive with moderate pyrite in blebs and stringers (Delta Angle of Alignment = 60°) and moderate amounts of tremolite.						
				167.0	193.0	AMPHIBOLITE Moderately altered, fairly broken with moderate epidote and minor pyrite.						
				193.0	283.0	MAGNETITE (RICH) Fairly broken, slightly leached with moderate pyrite and tremolite - actinolite in blebs and stringers with a tendency to alignment in places (Delta Angle = 50°).						
				283.0	300.0	AMPHIBOLITE Fine-grained, broken, slightly sheared with chlorite on fracture planes. Quartz and hematite veinlets.						
						END OF HOLE						