708 Q43

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

Hole No. 241

Drilled by GLINDEMANN AND KITCHING

Core Recovery 67%

Geological Logging by — T. MUNRO

Area of Operation SAVAGE RIVER, TAS.

Location of Site 21786 N ; 21656 E

Date Commenced 15 - 8 - 1966

Date Completed 22 - 8 - 1966

Reduced Level of Site 973.6

Bearing of Hole 90°

Dip of Hole 0' / -45° ; 100' / -44° ; 170' / -44°

Bore Depth 184.0

42 178

Ref N° 2137

24092

AMG Co-ords: 351096E 5404845N.

DRILL RECORD

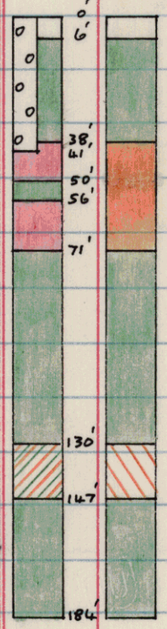
Date	From	To	Core Recov.
15/8	0.0	6.5	3.7
16/8	6.5	35.0	20.3
17/8	35.0	56.0	18.1
18/8	56.0	117.0	39.0
19/8	117.0	148.0	25.0
20/8	148.0	170.0	12.5
22/8	170.0	184.0	4.4
	END OF HOLE		

GEOLOGICAL LOG

From	To	Description
0.0	6.0	OVERBURDEN Amphibolite scree and clay.
6.0	38.0	AMPHIBOLITE From 6.0 to 35.0, soft quite oxidised brown amphibolite clay with black oxidised mineral on fracture planes. Originally massive, now friable. Magnetite - clay zone 34.0 - 35.0. From 35.0 to 38.0 fine-grained green amphibolite, slightly oxidised, hard and fairly massive.
38.0	50.0	MAGNETITE (RICH) Fairly fine-grained, fairly massive, moderately oxidised 38.0 - 41.0 and slightly oxidised 41.0 - 50.0. Minor pyrite, talc, tremolite - actinolite and serpentine in blebs and stringers with Delta Angle Alignment = 50°. Limonite along foliation and on fracture planes.
50.0	56.0	AMPHIBOLITE Fine-grained, hard slightly oxidised, massive with incipient fractures and limonite on fracture planes.
56.0	71.0	MAGNETITE (RICH) Fine to medium-grained, massive with minor tremolite - actinolite and talc and only minor pyrite in blebs and stringers

GEOLOGICAL SECTION

Core Sample



ASSAY RESULTS No Core held.

Sample No. From Ft.	To Ft.	CRUDE From	To % Fe	% S	CONCENTRATE - 325 Mesh % Wt.	% Fe	%SiO2	% Ni	%TiO2	% V
0	6	Overburden								
6	38	Amph.								
38	54	41.05	1.66		51.43	70.02	0.78	0.026	0.78	0.34
54	71	39.12	2.54		48.47	70.02	0.82	0.026	0.91	0.35
71	130	Amph.								
130	147	24.63	5.40		24.19	69.54	1.57	0.052	0.13	0.24
147	184	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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42 179

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
				56.0	71.0	Cont .... with a tendency to alignment (Delta Angle = 70°). Minor serpentine on fractures. Only slightly oxidised.						
				71.0	117.0	AMPHIBOLITE Fine-grained 71.0 80.0, medium-grained 80.0 - 117.0, generally broken and partly decomposed. Slightly oxidised with limonite and hematite on fracture planes. Banded lean zone 79.0 - 79.5 (Delta Angle = 30°)						
				117.0	130.0	AMPHIBOLITE Fine to medium-grained, fairly massive with moderate epidote and minor pyrite. Hematite on fracture planes.						
				130.0	147.0	MAGNETITE (LEAN) Fine-grained magnetite and minor pyrite in blebs, bands and stringers in a fine-grained amphibolite host (Delta Angle Banding = 50° - 80°). Ore is very lean in pale tremolite - rich zones but is augmented by rich zones 137.2 - 138.2 and 144.0 - 147.0. These have moderate pyrite and tremolite - actinolite and magnetite is fairly fine-grained. Moderately broken throughout.						
				147.0	184.0	AMPHIBOLITE Broken, fine-grained amphibolite with disseminated pyrite and occasional magnetite. END OF HOLE						