699 043

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

Hole No. 238

Drilled by GLINDEMANN & KITCHING

Core Recovery 83%

Geological Logging by — T. MUNRO

Area of Operation SAVAGE RIVER, TAS.

Location of Site 22689 N ; 20827 E

Date Commenced 14 - 7 - 1966

Date Completed 22 - 7 - 1966

Reduced Level of Site 1016.3

Bearing of Hole 90°

Dip of Hole 0' -45° ; 150' -46° 30' ; 300' -45° (illegible)

Bore Depth 326.0'

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Ref N° 2134

A 29297 AMG Co-ords: 351157 E 5405115 N.

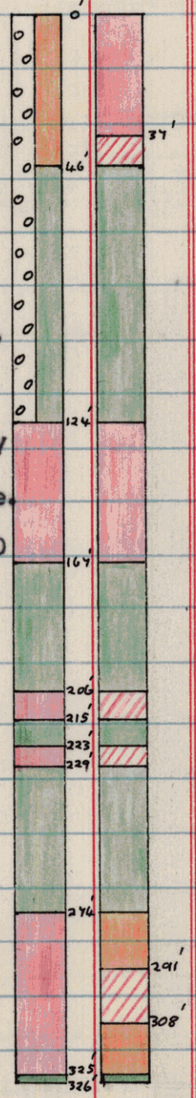
DRILL RECORD

Date 1966	From	To	Core Recov.
14/7	0.0	24.0	12.6
15/7	24.0	41.8	15.0
16/7	41.8	69.0	21.0
17/7	69.0	114.3	37.9
18/7	114.3	180.5	44.4
19/7	180.5	219.0	36.1
20/7	219.0	265.1	45.1
21/7	265.1	322.6	54.7
22/7	322.6	326.0	3.4
	END OF HOLE		

GEOLOGICAL LOG

From	To	Description
0.0	46.0	MAGNETITE (MEDIUM)
		From 0.0 - 24.0 fairly fine-grained, massive in parts, quite oxidised with magnetite, hematite, limonite and clay. Contains voids and leached joints. Minor pyrite. Limonite on fracture planes. Ferruginous amphibolite clay zone 5.0 - 9.0 (Poor core recovery), broken zone 21.0 - 22.0.
		From 24.0 - 46.0 fine-grained, fairly massive, quite oxidised with amphibolite clay zones 35.0 - 37.0, 44.0 - 45.0. Minor pyrite. Brecciated ore with moderate talc 39.0 - 41.0 Limonite and clay on fracture planes.
46.0	124.0	AMPHIBOLITE
		Fine to medium grained, massive in parts, quite to moderately oxidised. Limonite and clay on fracture planes.
124.0	167.0	MAGNETITE (RICH)
		Fairly fine-grained, fairly massive with moderate tremolite-actinolite and pyrite to disseminated in stringers with a Delta Angle of 50° unoxidised frequently jointed with common delta angles of 10° and 40°. Lower contact is a low recovery zone with green pyritic magnetite sand 165-166.

GEOLOGICAL SECTION



ASSAY RESULTS No Core held.

Sample No.	From Ft.	To Ft.	CRUDE %Fe	CRUDE Wt. Recovery	CONCENTRATE (-325 Mesh) %Fe	%SiO_2	%Ni	%TiO_2
0	12	60.30	18.28	68.66	0.49	0.046	0.46	
12	24	62.65	41.14	68.33	0.51	0.035	0.39	
24	37	55.59	58.33	68.58	0.35	0.033	0.30	
37	46	47.56	33.51	69.15	0.35	0.046	0.30	
46	124	(Amph.)						
124	138	55.11	66.98	70.36	0.44	0.057	0.44	
138	152	58.43	70.10	70.61	0.49	0.053	0.35	
152	167	56.89	68.46	70.20	0.70	0.066	0.28	
167	206	(Amph.)						
206	215	54.54	72.99	70.28	0.75	0.018	0.31	
215	223	(Amph.)						
223	229	47.80	58.33	69.63	1.04	0.066	0.36	
229	274	(Amph.)						
274	291	43.66	53.52	69,31	1.32	0.053	0.51	
291	308	50.64	64.83	69.31	1.41	0.038	0.37	
308	325	39.85	48.85	70.44	0.85	0.044	0.30	
325	326	(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			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
				167.0	206.0	AMPHIBOLITE Fine grained at the boundaries and grading into medium to coarse-grained in the middle, massive with patches and bands of disseminated magnetite and pyrite. Moderately altered epidote-rich zone 178.0 - 182.0 serpentine, hematite and chlorite (?) on fracture planes.						
				206.0	215.0	MAGNETITE (RICH) Fairly fine grained, massive, with moderate tremolite - actinolite and minor pyrite (Delta Angle = 40°). Some leached and incipient joints. Serpentine on fracture planes.						
				215.0	223.0	AMPHIBOLITE. Fine-grained, massive with quartzo-feldspathic veins. Hematite on fractures.						
				223.0	229.0	MAGNETITE (RICH) Fine-grained, massive, with moderate pyrite and minor tremolite - actinolite disseminated in blebs and stringers (Delta Angle = 50°) Fine-grained pyrite-rich zone 226 - 227.						
				229.0	274.0	AMPHIBOLITE Fairly fine-grained, massive with minor magnetite - pyrite zones. Thin quartzofeldspathic and hematite veinlets throughout. Alignment of minerals at 267 with Delta Angle of 50°. Hematite, serpentine and chlorite (?) on fracture planes. Rich magnetite zones 249.6 - 250.8, 262.7 - 264.0.						
				274.0	325.0	MAGNETITE (RICH) Fine to medium grained, massive, with						

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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								
				274.0	325.0	Cont.... moderate tremolite - actinolite and pyrite, and minor talc in blebs and stringers (Irregular Delta Angle = 40° - 60°). Some brecciated texture with broken magnetite and pyrite aggregates in irregular tremolite - actinolite masses. Fibrous tremolite - actinolite and serpentine on fracture planes. Amphibolite zones 281.0 - 284.7, 315.0 - 316.5													
				325.0	326.0	AMPHIBOLITE Massive, fine-grained. END OF HOLE													