424
QM

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

33 141

Hole No. 109

Drilled by Associated Diamond Drillers.

Core Recovery 49.8%

Geological Logging by — D.J. Perkin

Area of Operation Savage River. Tasmania

Location of Site 246 E Along Trav 250'S ; 25'S

Date Commenced 15-2-1965

Date Completed 24.3.1965 (Abandoned.)

MINE COORDS 22,560N 21,022E

Reduced Level of Site 1059.7

Bearing of Hole 270°

Dip of Hole 0' -61° 200' -61° 400' -61°30

Bore Depth 468'

A 22375

AMG Co-ords: 351207E 5405072N

Ref N 2084

No Core held

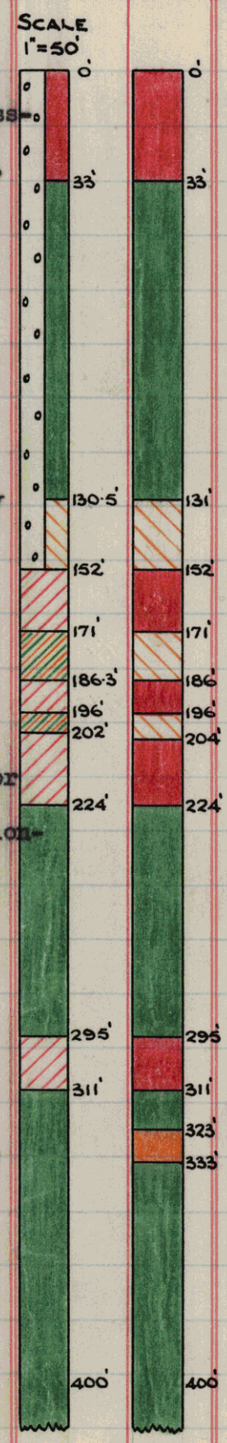
DRILL RECORD

Date	From	To	Core Recov.
15/2	0.0	30.0	10.4
16/2	30.0	87.0	42.4
17/2	87.0	118.0	23.0
18/2	118.0	142.0	15.3
19/2	142.0	160.0	17.8
22/2	160.0	180.0	8.8
23/2	180.0	196.0	15.1
24/2	196.0	240.0	13.2
25/2	240.0	274.0	7.2
26/2	274.0	294.0	3.0
27/2	294.0	296.0	0.9
28/2	296.0	305.0	2.3
8/3	305.0	323.0	6.0
10/3	323.0	333.0	2.4
11/3	333.0	355.0	2.0
12/3	355.0	366.0	4.1
15/3	366.0	368.0	2.0
16/3	368.0	375.5	4.0
17/3	375.5	400.0	19.3
18/3	400.0	423.0	14.5
19/3	423.0	454.0	14.7
20/3	454.0	465.0	5.0
23/3	465.0	468.0	0.2
24/3	HOLE ABANDONED.		

GEOLOGICAL LOG

From	To	Description
0.0	2.0	OVERBURDEN
2.0	33.0	MAGNETITE (RICH) fairly fined grained, massive, very oxidised with a pitted surface. Magnetite is oxidised mainly to hematite, goethite and limonite.minor amphibolite clay zones.
33.0	130.5	AMPHIBOLITE; Quite oxidised, friable and massive amphibolite clay to 128.5, slightly oxidised fairly fine grained amphibolite to 130.5 moderately hard in places.
130.5	152.0	MAGNETITE (MEDIUM LEAN) Fine-medium grain, only slightly oxidised. Magnetite with minor pyrite occurs in granular masses and occasional stringers in sheared amphibolite (talc-actinolite schist)
152.0	171.0	MAGNETITE (MEDIUM RICH) Fine-medium grain massive with moderate tremolite-actinolite, pyrite and minor talc minor amphibolite zones.
171.0	186.3	MAGNETITE (LEAN); Fine grained magnetite occurs irregularly through a sheared

GEOLOGICAL SECTION



ASSAY RESULTS

Sample No. From ft.	To Ft.	%FE	CRUDE %NI*	CRUDE %TIO2*	CONCENTRATE WT RECOVERY	CONCENTRATE %Fe	CONCENTRATE %NI*	CONCENTRATE %TIO2*	(-325) Mesh
2	18	62.59			26.43	69.52	0.12	0.35	
18	33	56.40			9.50	-	-	-	
33	131	(Amph)							
131	141	28.93			29.00	70.41	0.019	0.32	
141	152	31.95			34.87	71.23	0.025	0.20	
152	160	59.82			75.96	70.99	0.023	0.25	
160	171	61.45			78.96	71.31	0.020	0.38	
171	186	27.15			27.58	70.35	0.034	0.20	
186	196	59.16			74.16	71.81	0.033	0.27	
196	204	30.63			33.10	71.08	0.024	0.28	
204	224	63.70			83.93	71.32	0.022	0.13	
224	295	(Amph)							
295	311	61.27			79.27	71.57	0.032	0.20	
311	323	(Amph)							
323	333	36.31			41.09	71.40	0.026	0.16	
333	434	(Amph)							
434	454	48.38			61.02	71.00	0.030	0.25	
454	468	(Amph)							

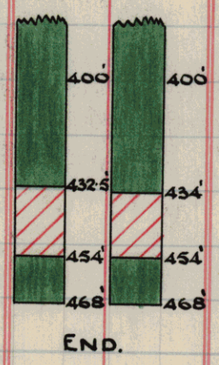
LEGEND

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

425

A 22375

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS			33 142
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
						amphibolite (talc and tremolite-actinolite chlorite schist) in granular masses and irregular stringers. Some soft schistose zones.						
				186.3	196.0	MAGNETITE (MEDIUM RICH) Fine-medium grain, massive with moderate amounts of pyrite and tremolite-actinolite with a tendency to alignment. Minor amphibolite zone.						
				196.0	202.0	MAGNETITE (LEAN) Fine - medium grain; magnetite and pyrite blebs and veinlets disseminate disseminated throughout tremolite - actinolite rich amphibolite with minor dark iron silicate veinlets.						
				202.0	224.0	MAGNETITE (MEDIUM RICH) Fine - medium grain, massive with moderate amounts of pyrite and tremolite - actinolite disseminated throughout.						
				224.0	295.0	AMPHIBOLITE Fine - medium grain to 240.0, fairly fine grain to 295.0. Fairly extensively jointed and broken. Minor epidote and hematite veinlets. Some soft zones ('puggy' clay zones).						
				295.0	311.0	MAGNETITE (MEDIUM RICH) Fine - medium grain, fairly hard and massive with moderate amounts pyrite and minor tremolite - actinolite and serpentine. - Broken core.						
				311.0	432.5	AMPHIBOLITE, fine grain, massive generally with some clay zones in between extensively jointed and fractured hard						



END.

4 26
Q43

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS 33 143										
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To								

amphibolite. Broken core. Probable fault zone. Minor 'clayey' magnetite zone 329.0 -333.0. Minor epidote, hematite and quartzofeldspathic veinlets associated with occasional blebs of chalcopyrite throughout. Minor specularite associated with some hematite veinlets.

432.5 454.0 MAGNETITE (MEDIUM RICH) Generally massive but with some soft 'clayey' magnetite zones. Moderate pyrite and tremolite - actinolite throughout. Minor amphibolite zones.

454.0 468.0 AMPHIBOLITE, fine grained, with minor amounts of pyrite, tremolite - actinolite, pyrite and magnetite rich zone 463.0 - 464.0. Very broken core with abundant fractures.

END OF HOLE. HOLE ABANDONED.