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SAVAGE RIVER MINES
PICKANDS MATHER & CO. INTERNATIONAL
MANAGING AGENT

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

Hole No. 226

Drilled by ASSOCIATED DIAMOND DRILLERS

Core Recovery 59%

Geological Logging by —
D. J. PERKIN

Area of Operation SAVAGE RIVER, Tas.

Location of Site 56'E ALONG TRAV. BBCO; 100'N

Date Commenced 25-9-1965

Date Completed 5-10-1965

CO-ORDINATES: 24,311 N; 21,049 E

Reduced Level of Site 1002.4

Bearing of Hole 270°

Dip of Hole 0' -55° 200' -54°30'

Bore Depth 270'

AMG Co-ords: 351216 E 5405610 N.

Rep No. 2122

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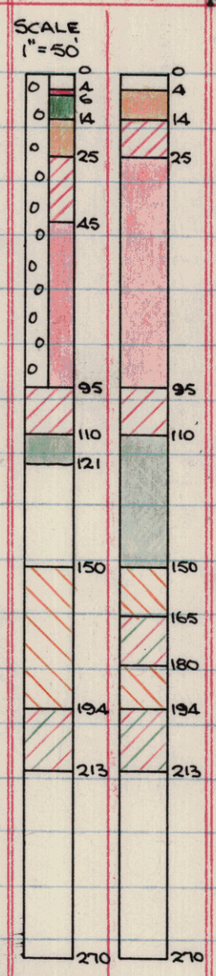
DRILL RECORD

Date 1965	From	To	Core Recov.
25/9	0.0	30.0	19.4
27/9	30.0	60.0	23.5
28/9	60.0	115.0	42.7
29/9	115.0	139.5	17.6
30/9	139.5	150.0	6.0
1/10	150.0	189.0	16.8
2/10	189.0	228.0	22.9
4/10	228.0	256.0	8.2
5/10	256.0	270.0	2.1
	END OF HOLE		

GEOLOGICAL LOG

From	To	Description
0.0	4.0	OVERBURDEN Ironstone scree and pebbles.
4.0	6.0	MAGNETITE (RICH). Fine to medium grained, massive with a pitted surface. Quite oxidised with fair amounts of hematite and moderate amounts of geothite and limonite throughout. Clay and limonite along fracture planes. Very weakly magnetic.
6.0	14.0	AMPHIBOLITE CLAY. Fine-grained, massive, fairly oxidised, orange-brown in color. Amphibolite was originally fairly altered with hematite and epidote veinlets throughout - black oxidised chlorite film along fracture planes. Moderately friable.
14.0	25.0	MAGNETITE (MEDIUM) Fine to medium-grained oxidised magnetite alternates with oxidised iron-rich soft amphibolite clay. Magnetite is fairly massive with a pitted surface. - Very weakly magnetic.
25.0	45.0	MAGNETITE (MEDIUM-RICH) Fine-medium grained, massive with a pitted surface, quite oxidised with fair

GEOLOGICAL SECTION



ASSAY RESULTS

No Core held

Sample No. From Ft.	To Ft.	CRUDE %Fe	Wt. Recovery	CONCENTRATE (-325) Mesh %Fe	%SiO2	%Ni	%TiO2
0	4	Overburden					
4	14	41.41	14.57	68.97	0.62	0.014	0.175
14	25	53.17	4.73	-		-	-
25	45	60.14	11.20	69.29	<0.5	0.033	0.245
45	62	63.70	80.09	70.83	<0.5	0.032	0.240
62	79	59.97	75.26	71.00	<0.5	0.041	0.450
79	95	62.49	81.04	71.65	<0.5	0.028	0.380
95	110	49.28	63.25	71.32	<0.5	0.018	0.490
110	121	(Amph)					
121	150	(Amph)					
150	165	26.50	18.89	m70.67	1.40	0.069	0.420
165	180	21.07	17.00	71.32	1.10	0.057	0.415
180	194	23.50	23.22	70.91	0.94	0.015	0.630
194	213	14.43	11.95	71.16	0.98	0.019	0.560
213	270	Banded Schist					

LEGEND.

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

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS										
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To								
				Continued.. 25.0	45.0	amounts of hematite and moderate amounts of geothite and limonite throughout. Very weakly magnetic. Minor oxidised amphibolite zones occur at intervals throughout. - Minor pyrite occurs 40.0 - 45.0. Limonite and clay film along fracture planes.													
				45.0	95.0	MAGNETITE (RICH) Medium-grained, moderately friable in places, massive with minor amounts of pyrite and tremolite-actinolite disseminated throughout in blebs and occasional stringers. Only slightly oxidised with limonite and oxidised chlorite along fracture planes. Strongly magnetic. Moderately broken core in places.													
				95.0	110.0	MAGNETITE (MEDIUM-RICH) Medium-grained, fairly friable and broken with moderate amounts of tremolite - actinolite, with pyrite and occasional serpentine disseminated throughout in blebs and stringers. - Fairly broken core.													
				110.0	121.0	AMPHIBOLITE Fine-grained, generally fairly soft and clayey with some shearing from 116.0 - 117.0 (Delta Angle of Schistosity = 70°). Amphibolite is fairly altered with minor amounts of serpentine, black iron silicate, pyrite and occasional magnetite in blebs and stringers. Fairly soft and broken core. Only slightly oxidised.													
				121.0	150.0	BANDED QUARTZOFELDSPATHIC - (CARBONATE?) - CHLORITE SCHIST. Fine - grained, fairly massive, moderately													

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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							
				121.0	150.0	Continued fissile with bands of quartzofeldspathic material alternating with chlorite and minor actinolite bands. Delta Angle of banding and schistosity is:- 75° at 123', 70° at 124', 65° at 127', 57° at 128', 55° at 130', 48° at 132', 40° at 141', 25° at 142.2', 50° at 143.2', 50° at 143.8', 50° at 145'. A minor quartz vein cuts across the bedding and schistosity from 126.7 - 127.0 minor blebs and stringers of pyrite and occasional octahedrons of magnetite occur disseminated throughout. Only slightly oxidised with limonite along fracture planes. Very soft actinolite - chlorite schist zones occur from 133.0 - 134.0, 135.0 - 140.0, with minor pyrite and magnetite disseminated throughout.										
				150.0	194.0	MAGNETITE (MEDIUM-LEAN) Blebs and stringers and occasional granular masses of magnetite occur associated with carbonate and pyrite blebs and stringers throughout a banded quartzofeldspathic - carbonate - chlorite - actinolite schist. The magnetite and carbonate stringers generally occur parallel to the banding and schistosity (Delta Angle = 30° - 50°) but at times they cut obliquely across it. Pyrite and magnetite - rich zones occur at 163.0 - 165.0, 191.0 - 192.0. The rock is generally fairly hard and massive and is moderately schistose.										
				194.0	213.0	MAGNETITE (LEAN) Blebs and stringers of magnetite occur												

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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	
				194.0 Continued	213.0	associated with carbonate and pyrite blebs and stringers throughout a banded quartzo-feldspathic - carbonate - chlorite - actinolite schist. And generally parallel to the banding and schistosity (Delta Angle - 35°). Quartz veins occur 202.0 - 202.1 and 205.0 - 205.4. Core generally fairly hard and massive.						
				213.0	232.0	BANDED SERICITE - CHLORITE - QUARTZ SCHIST Fine - grained, fairly hard and massive with well-developed banding and schistosity (Delta Angle = 30° - 40°). Minor pyrite blebs occur in the bedding from 213.0 - 216.0, 223.0 - 231.0. Very soft and puggy shear zones occur 227.0 - 228.0, 231.0 - 232.0.						
				232.0	270.0	BANDED QUARTZOFELDSPATHIC - CHLORITE SCHIST Fine-grained, fairly broken core. Bands of quartzofeldspathic material alternate with chlorite (Delta Angle of Banding and Schistosity - 25° - 30°). Minor pyrite blebs occur throughout. Generally greenish in color but brown soft oxidised zones occur from 247.0 - 248.0, 248.5 - 251.8, 256.0 - 270.0. Very poor core recovery, - soft clayey zones washing away?						
				END OF HOLE		END OF HOLE.						