646 043

SAVAGE RIVER MINES
PICKANDS MATHER & CO. INTERNATIONAL
MANAGING AGENT

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

Hole No. 221

Drilled by ASSOCIATED DIAMOND DRILLERS

Core Recovery 67%

Geological Logging by —
D.J. PERKIN

Area of Operation SAVAGE RIVER, TASMANIA

Location of Site 706' W ALONG TRAV. B8; 16' N.

Date Commenced 27.8.65

Date Completed 3.9.65

Co-ordinates 24,018N/ 21,311E

Reduced Level of Site 1045.3

Bearing of Hole 0° 270°

Dip of Hole -45° -43° 170' 30'

Bore Depth 205'

42 096

AMG Co-ords: 351294E 5405518 N.

By No 2117

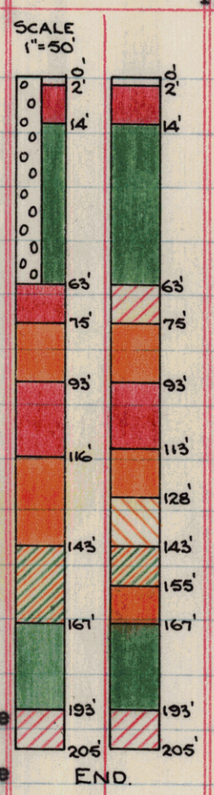
DRILL RECORD

Date	From	To	Core Recov.
27/8	0.0	19.0	12.7
28/8	19.0	44.0	10.5
30/8	44.0	93.0	47.3
31/8	93.0	130.0	28.6
1/9	130.0	167.0	21.3
2/	167.0	185.0	11.9
3/9	185.0	205.0	4.7
	END OF HOLE.		

GEOLOGICAL LOG

From	To	Description
0.0	2.0	OVERBURDEN
2.0	14.0	MAGNETITE (RICH), Fine-medium grained, massive with a pitted surface, quite oxidised with fair amounts of hematite and minor geothite and limonite with minor amounts of oxidised tremolite-actinolite throughout. -No pyrite. -Very weakly magnetic.
14.0	63.0	AMPHIBOLITE CLAY, fairly fine grained, massive, generally soft, friable in parts. Yellow-brown in colour. -Black oxidised chlorite film along fracture planes.
63.0	75.0	MAGNETITE (RICH), Fine-medium grain, massive with moderate amounts of tremolite-actinolite and minor pyrite throughout. Strongly magnetic. -Only slightly oxidised. - Limonite and oxidised chlorite along fracture planes.
75.0	93.0	MAGNETIC (MEDIUM), Fine -medium grained, massive, with fair amounts of tremolite - actinolite andpyrite, and minor serpentine, epidote and chlorite. Disseminated through-out with a tendency to irregular alignment in places. -Pyrite -rich zone 88.8 - 90.5. Chlorite and serpentine along fracture planes.

GEOLOGICAL SECTION



ASSAY RESULTS

No Core held

Sample No. From Ft.	To Ft.	CRUDE %Fe	CRUDE Wt. Recovery	CONCENTRATE (-325 Mesh) % Fe	%SiO2	%Ni	%TiO2
0	2	Overburden					
2	14	65.56	2.47				
14	63	(Amph)					
63	75	52.10	61.05	71.26	0.60	0.041	0.420
75	93	42.04	40.67	70.69	1.15	0.084	0.325
93	113	57.13	72.37	71.01	<0.5	0.041	0.300
113	128	37.49	45.15	70.61	1.40	0.041	0.350
128	143	31.65	37.46	71.09	1.45	0.032	0.310
143	155	19.72	18.16	71.26	1.55	0.022	0.098
155	167	37.95	40.92	71.42	1.15	0.027	0.145
167	193	(Amph)					
193	205	51.21	64.60	71.09	1.30	0.045	0.400

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 42 097									
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To							
				93.0	116.0	MAGNETITE (RICH), Fine-medium grained, massive with moderate amounts of tremolite - actinolite and pyrite disseminated throughout with a tendency to irregular alignment. (Delta angle =30 - 50°). -Very little oxidation. - Chlorite along fracture planes.												
				116.0	143.0	MAGNETITE (MEDIUM), Fine-medium grained, massive with fair amounts of tremolite - actinolite, serpentine and minor pyrite disseminated throughout with a slight tendency to alignment. Minor slightly sheared and altered amphibolite zonesthroughout. Serpentine along fracture planes. Very little oxidation. Slightly sheared amphibolite zone 141.0 - 142.0. Fairly broken core.												
				143.0	167.0	MAGNETITE (LEAN); Fairly fine grained massive magnetite occurs throughout a slightly sheared and fairly altered massive amphibolite in granular masses and occasional blebs and stringers together with fair amounts of tremolite - actinolite and minor serpentine, talc and pyrite. -Amphibolite contains moderate amounts of epidote and actinolite throughout. -Fairly broken core.												
				167.0	193.0	AMPHIBOLITE, Fairly fine grained, massive, slightly altered with moderate amounts of epidote blebs and stringers, and veinlets of hematite, quartz and occasional pyrite blebs throughout. Fairly soft "puggy" zone 167.0 -170.0. Fairly broken core. Hematite and chlorite film along fracture planes. -Very poor core recovery - soft zones washing away ?												

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DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS 42 098									
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To							
				193.0	205.0	MAGNETITE (MEDIUM-RICH), Fine-medium grain, fairly friable, moderately sheared, containing moderate amounts of tremolite - actinolite and minor chlorite disseminated throughout. - Very broken core. Slightly oxidised chlorite film along fracture planes. -Very poor core recovery.													
				END OF HOLE		END OF HOLE.												