644 043

SAVAGE RIVER MINES
PICKANDS MATHER & CO. INTERNATIONAL
MANAGING AGENT

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

Hole No. DDH 220

Drilled by ASSOCIATED DIAMOND DRILLERS

Core Recovery 42.0%

Geological Logging by — D.J. PERKIN

Area of Operation SAVAGE RIVER, TASMANIA

Location of Site 360' W ALONG TRAV. 500 S; 36' S.

Date Commenced 18.8.65

Date Completed 28.8.65

Co-ordinates 22,264N/ 20,448E.

Reduced Level of Site 922.7

Bearing of Hole 0' 90° 140'

Dip of Hole -45° -46°

Bore Depth 170'

42 093

Ref No. 2116

AMG Co-ords: 351033E 5404990N

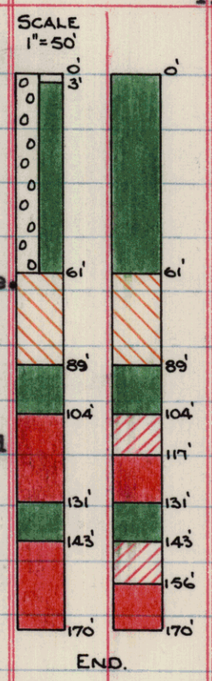
DRILL RECORD

Date	From	To	Core Recov.
18/8	0.0	63.0	27.9
19/8	63.0	89.0	15.9
20/8	89.0	123.0	6.6
26/8	123.0	128.0	4.5
27/8	128/0	155.0	8.4
28/	155.0	170.0	8.2
	END OF HOLE		

GEOLOGICAL LOG

From	To	Description
0.0	3.0	OVERBURDEN - Hematite boulders and clay.
3.0	61.0	Amphibolite clay; From 3.0 to 32.0, amphibolite clay is fine grained, fairly massive, orange brown in colour, quite oxidised, fairly soft and moderately friable. From 32.0 to 61.0, amphibolite is very soft and "clayey", fine grained, fairly altered to form a greenish-brown moderately oxidised epidote-rich amphibolite clay with minor amounts of pyrite and tremolite-actinolite throughout.
61.0	89.0	MAGNETITE (MEDIUM - LEAN) Massive; irregular bands, blebs and stringers of fine grained magnetite occur within a groundmass of light green serpentine and tremolite - actinolite minerals together with blebs and stringers of pyrite and possibly some pyrrhotite. (Delta angle of banding = 0-60°). Magnetite is strongly magnetic, only slightly oxidised.
89.0	104.0	AMPHIBOLITE, fairly fine grained, quite broken and blocky with some soft "clayey" zones fairly altered with moderate amounts of epidote and minor carbonate and pyrite disseminated throughout. - Very poor core recovery. - Soft zones washing away ?

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	61	(Amph)					
61	75	32.02	34.07	71.19	1.15	0.027	0.076
75	89	30.23	31.98	71.03	1.35	0.047	0.085
89	104	(Amph)					
104	117	44.29	52.01	71.36	0.92	0.035	0.145
117	131	57.05	66.41	71.19	1.40	0.053	0.185
131	143	(Amph)					
143	156	50.14	58.43	70.95	1.90	0.041	0.215
156	170	63.07	79.39	71.68	0.53	0.032	0.260

LEGEND

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

645 043

A-22375

D.D.H. 220.....Page 2.

42 094

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
				104.0	131.0	MAGNETITE (RICH), Fine-medium grained, fairly massive, fairly friable and sugary with minor pyrite and tremolite-actinolite disseminated throughout in blebs. Soft and broken "clayey" altered amphibolite zone 109.0 - 113.0 and altered serpentine - rich zone 114.5 - 115.5. Moderate amounts of pyrite 127.0 - 128.0. - Very poor core recovery.						
				131.0	143.0	AMPHIBOLITE, fairly fine grained, soft with occasional hard zones. Light green in colour. Generally a "puggy" amphibolite clay. -A shear zone ? Poor core recovery.						
				143.0	170.0	MAGNETITE (RICH), fairly fine grained with occasional voids, massive with minor pyrite and tremolite-actinolite disseminated throughout in blebs and occasional stringers. Poor core recovery. -A fairly soft puggy zone 143.0 - 150.0 with poor core recovery.						
				END OF HOLE		END OF HOLE.						