DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

736 Q43

41 009

Hole No. 252

Drilled by GLINDEMANN & KITCHING

Core Recovery 88%

Geological Logging by — T. MUNRO

Area of Operation SAVAGE RIVER, TAS.

Location of Site 23570 N ; 21169 E

Date Commenced 26 - 11 - 1966

Date Completed 6 - 12 - 1966

Reduced Level of Site 1104.2

Bearing of Hole 270°

Dip of Hole 0° / -45° ; 120° / -46° ; 250° / -46°

Bore Depth 320.0

A 24092 AMG Co-ords: 351251E 5405382N.

Reg No 2148.

DRILL RECORD

Date 1966	From	To	Core Recov.
26/11	0.0	45.8	29.4
28/11	45.8	79.0	33.2
29/11	79.0	132.2	45.5
30/11	132.2	169.0	28.2
1/12	169.0	195.0	24.5
2/12	195.0	208.2	12.1
3/12	208.2	258.2	48.1
5/12	258.2	293.5	33.6
6/12	293.5	320.0	26.3
	END OF HOLE		

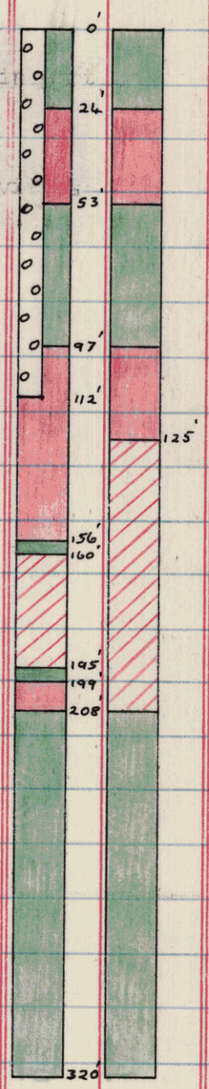
GEOLOGICAL LOG

From	To	Description
0.0	24.0	AMPHIBOLITE Soft light - brown amphibolite clay.
24.0	53.0	MAGNETITE (RICH) Fine-grained, quite oxidised, massive in parts, leached with abundant hematite. Yellow limonite deposited in fissures and cavities.
53.0	97.0	AMPHIBOLITE Brown to green, slightly friable, moderately oxidised, sheared in parts with chlorite, limonite and talc in shears (Delta Angle = 40°).
97.0	156.0	MAGNETITE (RICH). From 97.0 to 125.0, fairly massive, fine-grained, moderately oxidised with hematite present 97.0 - 112.0, slightly oxidised 112.0 - 125.0 thin wedges of interconnecting unreplaced sheared amphibolite 114.0 - 118.0. From 125.0 to 156.0 fine-grained, quite broken with moderate fibrous tremolite. Moderate fine-grained pyrite throughout.
156.0	160.0	AMPHIBOLITE Fine-grained, fairly broken with chlorite on fractures.

GEOLOGICAL SECTION

Core Sample

SCALE: 1" = 50'



ASSAY RESULTS No Core held.

Sample No. From Ft.	To Ft.	CRUDE % Fe	CRUDE % S	CONCENTRATE -325 Mesh % Wt	% Fe	% SiO_2	% Ni	% TiO_2	% V
0	24	Amph							
24	39	66.46	0.08	53.87	69.55	0.23	0.046	0.26	0.56
39	53	66.39	0.14	22.60	69.63	0.25	0.043	0.23	0.48
53	97	Amph							
97	112	59.25	4.13	72.46	68.67	0.42	0.036	0.20	0.59
112	125	56.08	5.19	70.62	68.35	0.45	0.042	0.40	0.48
125	140	53.31	6.52	63.87	70.87	0.28	0.032	0.24	0.46
140	160	45.27	5.06	51.53	71.03	0.38	0.047	0.20	0.53
160	178	53.23	5.36	64.91	71.11	0.28	0.040	0.27	0.53
178	195	45.27	4.63	53.59	71.03	0.36	0.025	0.23	0.43
195	208	52.58	6.41	61.96	70.79	0.40	0.039	0.25	0.55
208	320	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	

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS									
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To							
				160.0	195.0	MAGNETITE (MEDIUM-RICH) Fine-grained, massive in parts, with moderate interstitial amphibole and pyrite. Amphibolite clay zones, 173.0 - 176.0 and 183.0 - 185.0.												
				195.0	199.0	AMPHIBOLITE Fine - grained, partly weathered to clay.												
				199.0	208.0	MAGNETITE (RICH) Fine to medium - grained, fairly broken with moderate interstitial amphibole and blebs and aggregates of pyrite.												
				208.0	320.0	AMPHIBOLITE Fairly fine-grained, hard, massive with blotches and veins of epidote and some thin hematite veinlets. Small magnetite crystals in epidote and quartzofeldspathic veins 275.0 - 290.0. Octahedral magnetite disseminated throughout amphibolite 290.0 - 320.0.												
						END OF HOLE												