DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

624 043

Hole No. 211

Drilled by Associated Diamond Drillers

Core Recovery 75.0%

Geological Logging by — D.J. Perkin

Area of Operation Savage River, Tasmania

Location of Site 30'W along trav. BOS ; 140'S

Date Commenced 28.6.65

Date Completed 8. 7.65

Reduced Level of Site 1135.9

Bearing of Hole 270°

Dip of Hole 0' -45° 160' -45°

Bore Depth 190'

MINE COORDS 23.408 N 21313E

42 064

Reg No 2107.

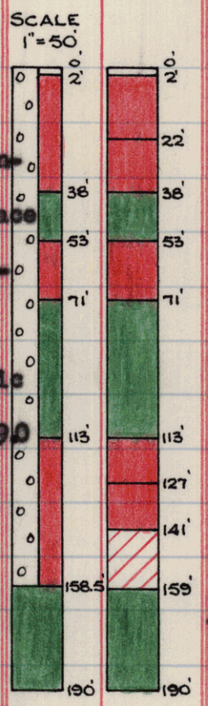
A 22375

AMG Co-ords: 351296E 5405335 N.

No Core held.

DRILL RECORD				GEOLOGICAL LOG		
Date 1965	From	To	Core Recov.	From	To	Description
28/6	0.0	33.0	29.0	0.0	2.0	OVERBURDEN- Hematite-Goethite-Limonite
29/6	33.0	57.0	13.7			ironstone scree.
30/6	57.0	85.0	19.1	2.0	38.0	MAGNETITE (RICH) Massive, fairly fine grain-
1/7	85.0	108.0	20.0			ed, fairly oxidised with a quite pitted surface
2/7	108.0	141.0	29.4			and fair amounts of hematite and minor goeth-
3/	141.0	145.0	3.2			ite and limonite disseminated throughout.
5/7	145.0	155.0	3.3			Moderately magnetic 2.0 - 4.0; weakly magnetic
6/7	155.0	171.0	7.5			to 7.0; moderately to strongly magnetic to 29.0
7/7	171.0	185.0	12.9			moderately to weakly magnetic to 38.0 - more
8/7	185.0	190.0	4.7			pitted magnetite with oxidised clay minerals
	END OF HOLE					throughout 22.0-38.0 - Limonite and goethite
						along fracture planes.
				38.0	53.0	AMPHIBOLITE CLAY. Fairly fine grained, mass-
						ive in parts but soft and fairly friable in
						places. Yellow-Brown in colour with black oxidised hematite and chlorite film along fracture
						planes.
				53.0	71.0	MAGNETITE (RICH). Fairly fine grained, fairly
						massive, moderately to strongly magnetic,
						fairly oxidised with a quite pitted surface.
						Contains moderate amounts of hematite and
						minor limonite and goethite clay and limonite
						along fracture planes.
				71.0	113.0	AMPHIBOLITE: From 71.0 to 84.0, amphibolite
						clay is fairly fine grained, quite oxidised
						massive, yellow-brown in colour and fairly
						friable

GEOLOGICAL SECTION



END.

ASSAY RESULTS			CRUDE	CONCENTRATE (-325 Mesh)			
Sample No. From Ft	From To Ft		CRUDE % Fe	Wt Recovery	% Fe	% SiO2	% Ni	% TiO2
0	2	Overburden						
2	22		67.44	55.93	69.80		0.032	0.1
22	38		65.33	71.33	69.15		0.036	0.12
38	53	(Amph)						
53	71		66.55	57.81	69.63		0.035	0.14
71	113	(Amph)						
113	127		63.30	76.70	70.20		0.056	0.17
127	141		55.02	67.54	69.96		0.050	0.25
141	159		50.23	64.13	70.87		0.035	0.26
159	190	(amph)						
End								

LEGEND

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

625 947

A-22375

42 065

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
				Continued								
				71.0	113.0	Very soft black oxidised chlorite and epidote -rich zone 84.0 to 87.7 with occasional magnetite. From 87.7 to 113.0 the amphibolite clay is very soft with occasional hard zones, fairly to moderately oxidised-light green in colour, possibly shear zone.						
				113.0	158.5	MAGNETITE (RICH) Fine-medium grain, massive slightly oxidised with occasional pitted surface 113.0 -141.0. Fairly to strongly magnetic with minor hematite, limonite and goethite throughout from 113.0-141.0. Moderate amounts of oxidised amphibolite clay minerals with occasional pyrite 129.0 - 141.0 From 141.0 to 158.5, magnetite is fairly fine grained,massive with moderate amounts of tremolite-actinolite,minor pyrite and minor serpentine disseminated throughout in blebs and stringers. - soft slightly oxidised amphibolite clay zones 143.5-144.0; 144.5-145.0; 152.5-155.0; 156.0-157.0. Limonite and oxidised chlorite along fracture planes.						
				158.5	190.0	AMPHIBOLITE. Fine-medium grain, massive, slightly altered with moderate amounts of epidote disseminated throughout in blebs and occasional stringers. Fairly soft clayey zones 158.5-164.5; 171.3-172.5; Soft magnetic zone 162.5-163.3.Occasional carbonate and hematite veinlets throughout. Hematite and chlorite film along fracture planes. END OF HOLE						