DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

611 043

Hole No. 205

Drilled by Associated Diamond Drillers

Core Recovery 63.8%

Geological Logging by — D.J. Perkin

Area of Operation Savage River Tasmania

Location of Site 210'E along Trav. A; 11'N

Date Commenced 14-4-65

Date Completed 1-5-65

Reduced Level of Site 1055.5

Bearing of Hole 90°

Dip of Hole 0 45° 130 46° 30'

Bore Depth 158'

MINE COORDS 22810 N 20979

Ref No 2101.

42 045

A 22375

AMG Co-ords: 351195E 5405160N.

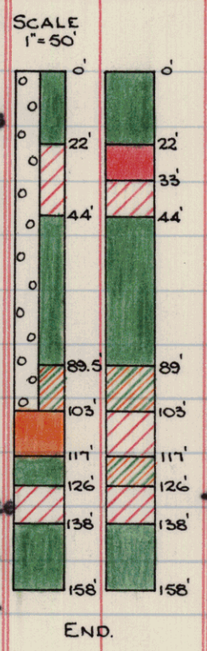
DRILL RECORD

Date 1965	From	To	Core Recov.
14/4	0.0	20.0	0.4
21/4	20.0	27.0	5.0
22/4	27.0	50.0	10.7
23/4	50.0	72.0	6.8
24/4	72.0	99.0	19.7
26/4	99.0	105.0	6.0
27/4	105.0	117.0	11.3
28/4	117.0	132.0	15.0
1/5	132.0	158.0	26.0
	END OF HOLE		

GEOLOGICAL LOG

From	To	Description
0.0	2.0	OVERBURDEN
2.0	22.0	AMPHIBOLITE. Little core but sludge cuttings indicate oxidised amphibolite clay with minor magnetite.
22.0	44.0	MAGNETITE (MEDIUM-RICH) Fine-medium grain, quite oxidised with a very pitted surface. Fairly massive with much leaching. Resulting in hematite with moderate amounts of goethite and limonite. very weakly magnetic. Occasional talc grains throughout and clay along fracture planes. Amphibolite clay zones 26.0 - 26.5 and 33.5-35.0. Hematite and pyrite-rich zone associated with carbonate 40.0-44.0
44.0	89.5	AMPHIBOLITE Fine-medium grain, fairly oxidised to amphibolite clay, brown in colour 44.0 -85.5; greenish-brown 85.5 -89.5. massive with black oxidised hematite and chlorite along fracture planes.
89.5	103.0	MAGNETITE(LEAN); Slightly oxidised medium grained massive magnetite with moderate amounts of pyrite and tremolite-actinolite occurs from 89.5 - 92.0. From 92.0 -103.0 very slightly oxidised fairly massive amphibolite with minor carbonate, epidote and quartzo felds pathic veinlets occurs. Very broken

GEOLOGICAL SECTION



END.

ASSAY RESULTS No Core held.

Sample No. From Ft.	From To Ft.	CRUDE Crude % Fe	CRUDE Wt Recovery	CONCENTRATE (-325 Mesh) %Fe	CONCENTRATE (-325 Mesh) % SiO_2	CONCENTRATE (-325 Mesh) %Ni	CONCENTRATE (-325 Mesh) %TiO2
0	22	(Amph)					
22	33	65.60	11.80	69.83		0.048	0.30
33	44	51.27	21.02	69.01		0.091	0.25
44	89	(Amph)					
89	103	18.23	12.86	71.13		0.045	0.14
103	117	48.59	60.15	70.80		0.047	0.18
117	126	13.43	6.87	-		-	-
126	138	54.93	69.00	71.13		0.043	0.23

LEGEND

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

612 043

A-22375

D.D.H 205 Continued.

42 046

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
				Continued								
				89.5	103.0	and fractured shear zones 92.0-95.0 and 95.5 -96.0. Hematite film and chlorite along fracture planes.						
				103.0	117.0	MAGNETITE (MEDIUM) ; Fine-medium grain, massive with fair amounts of tremolite-actinolite and moderate pyrite and serpentine minerals disseminated throughout in blebs and stringers. Altered amphibolite zone with minor epidote and hornblende 105.8-107.3.						
				117.0	126.0	AMPHIBOLITE Fine grained, massive with minor epidote veinlets throughout, pyrite-rich zone with minor magnetite 120.2-120.8. Hematite film along fracture planes.						
				126.0	138.0	MAGNETITE (MEDIUM-RICH) Fine-medium grain massive with moderate amounts of pyrite and tremolite-actinolite throughout. Tremolite-actinolite rich zone 131.1-132.0 and amphibolite zone 137.2-137.9						
				138.0	158.0	AMPHIBOLITE . Fine grain, massive with minor quartzo feldspathic and carbonate veinlets associated with hematite and occasional magnetite veinlets and blebs. Very little pyrite.						
						END OF HOLE						