DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

617 QA7

Hole No. 208

Drilled by ASSOCIATED DIAMOND DRILLERS

Core Recovery 82.0%

Geological Logging by — D. J. PERKIN

Area of Operation SAVAGE RIVER Tasmania

Location of Site 71'E ALONG TRAV. AOBO; 30' N

Date Commenced 31-5-65

Date Completed 16-6-65

Reduced Level of Site 1126.3

Bearing of Hole 270°

Dip of Hole 0' -45° 200' -46°

Bore Depth 281'

MINE GRIDS 23,100 N 21470E

42 054

Ref No 2104.

A 22375 AMG Co-ords: 3513444E 5405245N

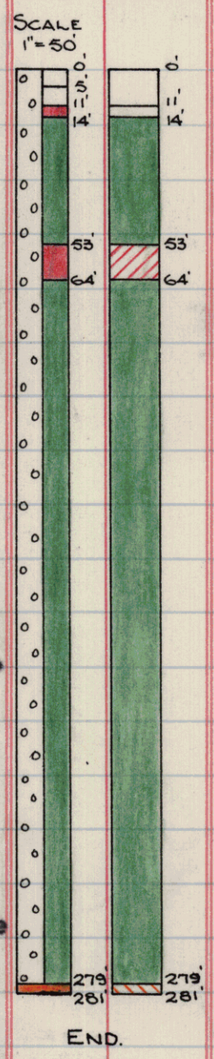
DRILL RECORD

Date 1965	From	To	Core Recov.
31/5	0.0	23.0	6.3
1/6	23.0	69.0	31.8
2/6	69.0	85.0	15.9
3/6	85.0	100.0	11.1
5/6	100.0	108.0	7.4
7/6	108.0	124.5	16.3
8/6	124.5	148.5	23.7
9/6	148.5	159.5	11.0
10/6	159.5	179.5	15.5
11/6	179.5	201.0	21.1
12/6	201.0	212.0	10.2
14/6	212.0	225.0	12.8
15/6	225.0	255.0	28.1
16/6	255.0	281.0	18.9
	END OF HOLE		

GEOLOGICAL LOG

From	To	Description
0.0	5.0	OVERBURDEN
5.0	11.0	Either Overburden or very oxidised lean ore - no core
11.0	14.0	MAGNETITE (RICH), fairly fine grained, massive with a pitted surface, moderately magnetic, fairly oxidised with hematite and minor geothite and limonite. - Poor core recovery.
14.0	53.0	AMPHIBOLITE, fine - grain, massive, red-brown in colour 14.0 - 23.0, orange yellow 23.0 - 47.0, greenish - yellow 47.0 - 53.0. - Quite to fairly oxidised with black oxidised chlorite and hematite film along fracture planes.
53.0	64.0	MAGNETITE (RICH) Fine - medium grain, massive with moderate amounts of tremolite - actinolite and minor pyrite disseminated throughout in blebs and stringers with a tendency to alignment (Delta Angle= 25-30°) - Fairly oxidised, moderately magnetic with moderate amounts of hematite. - Limonite along fracture planes.
64.0	279.0	AMPHIBOLITE; From 64.0 to 100.0, the amphibolite is fine grained, slightly oxidised, fairly massive, slightly altered with moderate

GEOLOGICAL SECTION



ASSAY RESULTS No Core held.

Sample No. From	To	CRUDE %Fe	Wt. Recovery	%Fe	%SiO2	CONCENTRATE (-325 Mesh) %Ni	%TiO2
0	11	Overburden					
11	14	Waste, increment too small					
14	53	(Amph)					
53	64	54.11	50.86	70.35		0.044	0.15
64	279	(Amph)					
279	281	29.46	33.55	70.02		0.028	0.35

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							
				64.0	279.0	amounts of epidote and occasional pyrite disseminated throughout in blebs and stringers. Soft clayey amphibolite zone 64.0 - 66.0. Serpentine rich zone 66.0 - 69.0. - Fairly broken core in places from 100.0 to 111.0, amphibolite is fine grained, fairly massive, very slightly oxidised, slightly altered with moderate amounts of epidote disseminated throughout in blebs and stringers. Carbonate veins disseminated throughout (Delta Angle= 30-60°) - Limonite along fracture planes - fairly broken and blocky core. From 111.0 to 279.0, amphibolite is unoxidised, fairly fine grained, massive with occasional hematite, carbonate and epidote veinlets throughout. - Occasional pyrite blebs. Fairly broken in places (especially 267.0 - 279.0) with minor soft amphibolite clay zones 162.1 - 162.2, and 267.5 - 267.8, 275.5 - 276.0, and 277.0 - 277.5 at the amphibolite magnetite contact. - Shear zone.									
				279.0	281.0	MAGNETITE (MEDIUM): blebs and stringers of magnetite occur together with tremolite - actinolite, serpentine and moderate amounts of pyrite 279.0 - 280.5. Massive fairly fine grained magnetite occurs with minor pyrite, tremolite - actinolite and some serpentine 280.5 - 281.0. END OF HOLE.									