

DIAMOND DRILL CORE RECORD

Hole No. 105

Area of Operation SAVAGE RIVER, TASMANIA

Reduced Level of Site Elevation 698.2' 33 124

Drilled by ASSOCIATED DIAMOND DRILLERS

Location of Site 370°W ALONG TRAV. C7; 69°S

Bearing of Hole 0° 268° 10'

Core Recovery 88.1%

Date Commenced 31-10-64

Dip of Hole 45° 200' 400' 670' 46° 30' 46° 44°

Geological Logging by —

Date Completed 2-12-64

Bore Depth 670'

D. J. PERKIN

MINE COORDS 25, 173 N 21523 E

Ref No 2080

No Core held

D of M	S & A	CG	CC & M	ACIM & E
RECEIVED				
24 JUN 1965				
DEPT. OF MINES				
REF. NO.				

A 22375

M16 Co-ords: 351358 E 5405873 N

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS						
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No. From To Ft.	From To Ft.	% Fe	CRUDE %Ni* %SiO2*	wt Recovery	CONCENTRATE (-325 Mesh) % Fe %Ni* %SiO2*	
31/10	0.0	14.0	10.3	0.0	4.0	OVERBURDEN			252	272	33.19	40.86 68.90	40.86	68.90 0.049 0.50	
2/11	14.0	45.8	29.2	4.0	252.3	Amphibolite, medium grained to 46.7', alternating fine - medium and medium grain 46.7 - 81.0', fine - medium grain 81.0 - 141.0' medium - coarse grain 141.0 - 219.0 with some fine grained zones 208.0 - 219.0. Fine grained 219.0 - 252.3. Massive, hard with moderate magnetite to 94.2 giving a weakly magnetite zone. Minor pyrite throughout, slightly oxidised to 45.8 and limonite along fracture planes to 104.5. Minor epidote, quartzofeldspathic, hematite and carbonate veinlets throughout.			272	292	29.78		35.77	67.36 0.051 0.48	
3/11	45.8	61.7	14.8						292	312	28.24		30.27	70.12 0.043 0.57	
4/11	61.7	108.5	35.3						312	332	35.38		40.84	69.47 0.048 0.48	
5/11	108.5	162.0	44.8						332	352	33.48	39.38	39.38	69.05 0.042 0.47	
6/11	162.0	208.5	45.2						352	367	29.66		35.05	60.62 0.045 0.42	
7/11	208.5	219.0	10.3						367	382	29.22		29.40	68.24 0.095 0.38	
9/11	219.0	254.5	31.8						382	402	56.49		75.16	69.94 0.028 0.48	
10/11	254.5	267.4	9.3						402	422	48.53		61.17	70.18 0.030 0.57	
11/11	267.4	289.5	16.1						422	442	52.75		70.07	68.81 0.033 0.42	
12/11	289.5	318.0	25.8						442	459	47.48		60.04	69.21 0.043 0.40	
13/11	318.0	340.0	16.0						459	474	19.40		16.44	63.21 0.081 0.22	
14/11	340.0	350.0	6.4						474	489	24.10		19.22	59.32 0.015 0.25	
16/11	350.0	376.0	23.8						482	504	22.64		16.02	64.84 0.095 0.28	
17/11	376.0	401.0	22.2						504	521	21.75		12.02	68.24 0.12 0.20	
18/11	401.0	424.0	21.1						521	538	25.73		21.96	67.92 0.090 0.22	
19/11	424.0	436.0	12.0	252.3	382.0	Magnetite (Medium Lean) Fairly fine grained magnetite occurs in fairly irregular bands, and irregular blebs and masses (Delta Angle = 35 - 50°) throughout a very fine grained, vitreous altered amphibolite containing serpentine, actinolite, tremolite and minor carbonate. Moderate pyrite is disseminated throughout in fairly irregular sub parallel bands and blebs. Some minor schistose shear zones.			538	551	25.81		19.33	64.03 0.049 0.17	
23/11	436.0	459.0	23.0												
24/11	459.0	482.7	22.6												
25/110	482.7	504.0	21.3												
26/11	504.0	520.5	12.5												
29/11	520.5	536.5	15.7												
30/11	536.5	595.0	57.1												
1/12	595.0	640.0	40.2												
2/12	640.0	670.0	24.3												
END OF HOLE															
									551	571	33.11		31.16	70.10 0.078 0.137	
									571	591	57.46		73.26	70.18 0.044 0.38	
									591	610	58.76		74.24	71.16 0.040 0.40	

LEGEND

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

Hole 105 (Continued)

413

013

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS									
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No. From Ft.	From To Ft.	To %Fe	CRUDE %Ni*	%TiO2*	Wt Recovery	CONCENTRATE %Fe	%Ni*	%TiO2*	
						serpentine tremolite + actinolite, dark iron silicates and talc. Minor schistose shear zone 540.9 - 542.8 massive amphibolite zone 538.3 - 540.9.												
				546	570.5	Magnetite (Medium) fine - medium grain, fairly massive with moderate to fair amounts of pyrite, serpentine tremolite + actinolite and minor talc in sub-parallel bands.												
				370.5	610.4	Magnetite (Medium Rich) fine - medium grain, massive with moderate pyrite, serpentine, talc and tremolite + actinolite in blebs and stringers. Minor carbonate veinlets sub-parallel to the core axis.												
				610.4	630.0	Amphibolite, fairly fine grain, massive but with many healed fractures. Contains mainly serpentine, amphibolite and chlorite minerals with sheared talc + serpentine zones as well as minor banded pyrite serpentine, magnetite zones. Minor hematite veinlets.												
				630.0	670.0	Magnetite (Medium Rich) fine - medium grain, fairly massive with moderate pyrite, serpentine tremolite + actinolite and minor talc and some carbonate.												
						END OF HOLE.												

33 126

(325)