

DIAMOND DRILL CORE RECORD

Hole No. 102  
 Drilled by ASSOCIATED DIAMOND DRILLERS  
 Core Recovery 73.4%  
 Geological Logging by—  
 D. J. PERKIN

Area of Operation SAVAGE RIVER, TASMANIA  
 Location of Site 375'E ALONG TRAV. COBBS; 105'S  
 Date Commenced 19.9.64  
 Date Completed 26.10.64

Reduced Level of Site 888.8'  
 Bearing of Hole 268° 30'  
 Dip of Hole -45° -41° -39° 33 109  
 Bore Depth 550.0'

043  
399

AM6 Co-ords: 351314 E 5405610 N

Ref No 2077 No Core held.

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS								
Date 1964	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No. From Ft.	From To Ft.	60% % Fe	CRUDE %Ni*	%TiO2*	WT Recovery %	CONCENTRATE (-325 Mesh) % Fe	%Ni*	%TiO2*
19/9	0.0	8.0	4.5	0.0	12.0	Amphibolite clay - fairly oxidised											
21/9	8.0	29.0	14.8			green clayey amphibolite with pyrite											
22/9	29.0	39.0	9.7	12.0	32.0	Magnetite (Med. Rich) Fine - medium grain, massive with moderate amounts pyrite and minor serpentine, talc and chlorite, minor amphibolite zones - slightly oxidised throughout.											
23/9	39.0	53.5	11.0														
24/9	53.5	56.0	1.2														
26/9	56.0	57.5	1.3														
28/9	57.5	63.0	5.5														
29/9	63.0	69.0	3.1														
1/10	69.0	74.0	1.7	32.0	50.0	Magnetite (Rich) fine - medium grain, massive with minor pyrite and some talc, serpentine and chlorite. Minor amphibolite zones.											
2/10	74.0	82.0	4.4														
3/10	82.0	102.0	15.4														
6/10	102.0	122.0	2.0														
7/10	122.0	137.0	4.7	50.0	74.0	Amphibolite, fine medium grain, massive with minor pyrite and epidote - some soft slightly oxidised zones.											
8/10	137.0	157.0	10.1														
9/10	157.0	175.0	10.2														
10/10	175.0	207.0	22.7														
12/10	207.0	223.0	15.3	74.0	112.0	Magnetite (Rich) Fine - medium grain, massive with minor pyrite and some serpentine. Fairly friable 102.0 - 112.0											
13/10	223.0	241.0	14.0														
14/10	241.0	262.5	17.0														
15/10	262.5	304.6	31.8														
16/10	304.6	335.0	27.6	112.0	125.0	Magnetite (Medium) Fine - Medium grain with moderate tremolite - actinolite and serpentine and minor pyrite and talc.											
17/10	335.0	353.0	15.6														
19/10	353.0	405.0	47.5														
20/10	405.0	440.5	33.7														
21/10	440.5	480.0	22.0			Minor schistose zone 114.0 - 118.0											
22/10	480.0	499.0	12.9	125.0	132.0	Magnetite (Med. Rich) Fine - medium grain with moderate pyrite.											
23/10	499.0	511.0	7.2														

SCALE 1"=50'

LEGEND

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

Sample No.	From To Ft.	60% % Fe	CRUDE %Ni*	%TiO2*	WT Recovery %	CONCENTRATE (-325 Mesh) % Fe	%Ni*	%TiO2*
12	32	55.86	0.094	0.28	70.58	71.08	0.079	0.23
32	50	58.83	0.079	0.37	76.14	71.00	0.043	0.23
50	74	13.92	0.049	0.53	7.62	69.94	0.067	0.22
74	94	62.05	0.091	0.42	79.95	70.92	0.076	0.28
94	112	60.20	0.099	0.40	76.39	70.43	0.080	0.30
112	125	33.51	0.092	0.23	44.00	68.08	0.074	0.23
125	137	36.29	0.150	0.35	43.28	68.48	0.140	0.25
137	159	19.45	0.140	0.43	12.25	70.09	0.094	0.28
159	173	52.80	0.091	0.65	66.91	70.33	0.069	0.52
173	193	45.77	0.094	0.62	56.44	70.49	0.072	0.43
193	213	55.74	0.090	0.65	71.35	70.41	0.064	0.53
213	230	43.64	0.056	0.63	53.19	70.73	0.051	0.43
230	247	10.51	0.008	0.83	3.67	-	-	-
247	261	32.17	0.018	0.65	36.47	71.07	0.035	0.53
261	281	58.51	0.068	0.63	72.17	71.80	0.053	0.53
281	301	56.25	0.040	0.50	70.62	71.72	0.037	0.32
301	321	53.99	0.039	0.55	68.20	71.64	0.030	0.35
321	336	15.19	0.015	0.68	8.67	-	-	-
336	351	19.24	0.018	0.70	12.85	70.09	0.033	0.38
351	369	52.37	0.068	0.70	63.87	71.39	0.045	0.35
369	389	37.34	0.062	0.35	40.60	70.74	0.062	0.50





