

# DIAMOND DRILL CORE RECORD

506 043

Hole No. 121  
 Drilled by GLINDEMANN & KITCHING  
 Core Recovery 87%  
 Geological Logging by —  
T. MUNRO

Area of Operation SAVAGE RIVER, TAS.  
 Location of Site 24035 N ; 20992 E  
 Date Commenced 22 - 9 - 1966  
 Date Completed 31 - 10 - 1966

Reduced Level of Site 1030.2  
 Bearing of Hole 90°  
 Dip of Hole 0 200' 400' 600' 800' 1000'  
-55° -56°30' -57° -56° -47° -44°30'  
 Bore Depth 1061.0

Ref N° 2096

42 025

AMG Co-ords: 351199 E 5405518 N

A 22375

DRILL RECORD				GEOLOGICAL LOG		GEOLOGICAL SECTION		ASSAY RESULTS <i>No Core held.</i>								
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From To Ft.	CRUDE wt. %Fe	Recovery	CONCENTRATE (-325 Mesh)			
													%Fe	%SiO <sub>2</sub>	%Ni	%TiO <sub>2</sub>
22/9	0.0	55.5	38.9	0.0	15.0	AMPHIBOLITE			0	15	Amph.					
23/9	55.5	78.2	21.0			Fairly soft, friable, light brown clay.			15	22	59.73	71.33	71.03	0.28	0.031	0.215
24/9	78.2	96.0	16.4			Quite oxidised.			22	41	64.04	87.12	70.79	0.15	0.014	0.360
26/9	96.0	107.5	10.3	15.0	60.0	MAGNETITE (RICH)			41	60	55.91	69.82	71.19	0.24	0.045	0.315
27/9	107.5	127.8	13.6			Fairly fine grained, moderately oxidised			60	81	Amph.					
28/9	127.8	185.8	41.5			15.0 - 19.0, slightly oxidised 19.0 - 60.0.			81	90	60.79	75.50	71.60	0.19	0.062	0.280
29/9	185.8	220.0	29.9			Massive, with some magnetite sand patches.			90	102	Amph.					
30/9	220.0	273.8	47.5			Partly sheared talcose clay 17.0 - 19.0			102	109	41.37	47.11	71.03	0.57	0.061	0.145
1/10	273.8	284.2	7.8			magnetite sand pouring into hole.			109	130	Amph.					
4/10	284.2	312.5	23.1	60.0	81.0	AMPHIBOLITE			130	150	63.15	82.96	71.32	0.41	0.028	0.145
5/10	312.5	373.3	58.4			Fairly fine - grained, broken 60 - 73,			150	170	56.97	73.04	71.54	0.39	0.019	0.135
6/10	373.3	415.0	37.8			massive 73 - 81 with many incipient joints.			170	186	63.81	81.64	71.37	0.37	0.033	0.100
7/10	415.0	419.8	2.7			Limonite on fracture planes.			186	200	Amph.					
10/10	419.8	462.5	39.5	81.0	90.0	MAGNETITE (RICH)			200	215	60.71	78.81	71.54	0.35	0.024	0.160
11/10	462.5	516.2	40.7			Fairly fine-grained, fairly massive with			215	230	62.58	81.60	71.37	0.36	0.036	0.250
12/10	516.2	529.5	10.9			sandy zones and containing minor pyrite and			230	242	39.06	46.90	71.13	0.70	0.043	0.260
13/10	529.5	543.0	10.0			tremolite - actinolite in interconnecting			242	249	52.25	66.95	71.13	0.50	0.044	0.260
14/10	543.0	593.0	41.2			interstitial patches. Minor silica films			249	256	Amph.					
15/10	593.0	614.8	20.5			on fracture planes.			256							
17/10	614.8	650.8	33.1	90.0	102.0	AMPHIBOLITE			296							
18/10	650.8	693.0	41.4			Fairly fine - grained, very broken			316							
19/10	693.0	716.0	20.2			94.0 - 102.0, otherwise massive with pale										
20/10	716.0	751.0	33.2			yellow limonite on fracture planes.										
21/10	751.0	795.8	42.5			Magnetite sand caving in from above.										
22/10	795.8	827.8	26.6	102.0	109.0	MAGNETITE (MEDIUM-RICH)			369							
23/10	827.8	860.8	29.8			Fine - grained, fairly broken with			409							
						minor pyrite. Green clay at upper and										

LEGEND

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



A 29297

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS							
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To					
				242.0	249.0	<u>MAGNETITE (RICH)</u>  Fine to medium-grained, massive with moderate pyrite and tremolite - actinolite and minor talc. Fibrous tremolite on fracture planes. Slightly leached in parts.										
				249.0	256.0	<u>AMPHIBOLITE</u>  Fine - grained, massive, with thin epidote veinlets and hematite and chlorite on fracture planes.										
				256.0	276.0	<u>MAGNETITE (RICH)</u>  Fine to medium - grained, massive in parts with moderate pyrite and tremolite - actinolite in blebs and patches. Some thin silica films on fracture planes. Slightly leached 259.0 - 263.0.										
				276.0	316.0	<u>MAGNETITE (MEDIUM-RICH)</u>  Fairly fine-grained, massive in parts with moderate pyrite and tremolite - actinolite and small zones of tremolite - rich ore and serpentinous amphibolite. Serpentine, chlorite and fibrous amphibole on fractures.										
				316.0	369.0	<u>MAGNETITE (RICH)</u>  Fairly fine - grained, massive with moderate tremolite - actinolite and pyrite in blebs, stringers and patches. These are not preferentially aligned except at 329.0 and 335.0 (Delta Angles of Alignment are 10° and 0° respectively)										
				369.0	373.0	<u>AMPHIBOLITE</u>  Fine - grained, massive, slightly sheared, with stringers of magnetite and pyrite throughout. Serpentine on fractures.										

42 027

A 29297

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS									
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To							
				373.0	409.0	<u>MAGNETITE (RICH)</u> Fairly fine - grained, massive, with moderate tremolite * actinolite and pyrite in blebs and stringers with a slight tendency to alignment in places (Delta Angle = 20°). Leached and broken 401.0 - 406.0.												
				409.0	415.0	<u>AMPHIBOLITE</u> Quite altered, fairly fine-grained, broken, with serpentine on fracture planes.												
				415.0	420.0	<u>AMPHIBOLITE</u> Quite altered, fairly fine-grained, broken with serpentine on fracture planes.												
				420.0	440.0	<u>MAGNETITE (MEDIUM - RICH)</u> Fine-grained, massive with fair amounts of fine - grained tremolite * actinolite, moderate pyrite and serpentine. Pyrite is in blebs and stringers and crudely aligned with Delta Angle 20° - 40°. Chlorite, serpentine coated and slickensided fracture planes.												
				440.0	465.0	<u>MAGNETITE (LEAN)</u> Fairly massive with fine - grained magnetite - pyrite in bands and disseminations through a fine - grained, mottled, altered amphibolite (Delta Angle Bands 10° - 30°). Slightly leached.												
				465.0	472.0	<u>AMPHIBOLITE</u> Fairly fine-grained, altered, epidote * rich, massive in parts and containing minor magnetite disseminations around 466 and 469.												
				472.0	490.0	<u>MAGNETITE (MEDIUM)</u> Fairly fine-grained with fair amounts of tremolite - actinolite and moderate pyrite. Broken in parts. Barren altered fine-grained												

42 028





