61966

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

DofM S & A 343 P43
RECEIVED 6 MAY 1966
ANSWERED
REF. NO. 2518/66
JN

Hole No. 30

Drilled by ASSOCIATED DIAMOND DRILLERS

Core Recovery 86%

Geological Logging by—

T. D. HUGHES

Area of Operation SAVAGE RIVER (LONG PLAINS)

Location of Site 5000N, 150E

Date Commenced 16/11/65

Date Completed 5/1/66

Reduced Level of Site 780'

Bearing of Hole 303°

Dip of Hole 0'-300' 45°, 300-400' 43°, 400-500' 37°, 500-630' 34°.

Bore Depth 630'

Ref No 2061

33 036

AMG Co-ords: 348400E 5395200N.

Core held Plant Room M

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS									
Date 1965	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From ft.	To ft.	HCl.Sol. Fe %	Mgo	CaO	CO_2			
Nov.16	0	10	2'	0	112	Weathered chloritic schist in places banded			227	194	207	16.9						
17	10	30	12'			micaceous limonitic material in widths			228	207	219	43.2						
						less than 12".												
18	30	47	8	112	112'6"	Cellular Quartz			229	219	231'6"	7.1						
19	47	60	10	112'6"	117'9"	Limonitic Clay			230	231'6"	237	25.9						
22	60	81	15	117'9"	119'2"	No Core			231	237	250	44.6						
23	81	100	6	119'2"	121'6"	Limonitic Clay with broken quartz			232	250	256	33.4						
24	100	118	6	121'6"	129	Talc Schist Angle 70°-80° (Schistosity)			233	256	264	4.1						
25	118	138	11			End of Main Weathered zone			234	264	275	15.5						
26	138	159	20	129	148'3"	Quartz-mica schist - Angle 45° 3" Quartz at 128'			235	275	284	7.6						
29	159	163	1	148'3"	158'6"	Banded quartz-chlorite schist			236	324	336	17.3						
30	163	183	18	158'6"	193'7"	Sheared amphibolite with some quartz			237	354	367	21.2						
Dec. 1	183	204	20			angle 45°-30°			238	422	432	17.9						
2	204	218	9	193'7"	197'	Sheared fine grained talcy amphibolite			239	432	479	7.8	36.1	5.8	11.0			
	218	235	15	197'		with magnetite. Solid magnetite 196'-197'												
↓	↓	↓	↓	↓	200'6"	Fine grained, sheared amphibolite. Little magnetite			240	480'6"	499	47.0						
6	235	256	21	200'6"	202	Talc and Magnetite			241	503	521	37.9						
7	256	275	19	202	203'6"	Sheared amphib. - angle 45°. Much talc			242	553'6	558	33.9						
8	275	298	23			some magnetite and pyrite												
9	298	323	25	203'6"	207	Soft talc. Little magnetite & Pyrite												
10	323	340	17	207	219	Solid magnetite with some talc-pyrite												
15	340	363	23			Small patches of sheared amphibolite Angle 90°												
16	363	388	25	219	231'6"	Fine grained amphibolite - little sheared												
17	388	413	25			little pyrite and carbonate												
20	413	443	30	231'6"	237'	1'6" magnetite with talc & pyrite & then												
21	443	469	26			sheared fine grained amphibolite.												
22	469	492	23	237	250	Magnetite with talc & pyrite.												

344 043

33 037

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
23	492	519	27	250	251'6"	Sheared fine grained amphibolite & some pyrite and talc						
24	519	540	21	251'6"	256	Magnetite, much pyrite, some talc, 9" amphibolite						
29	540	555	15	256	264	Fine grained, hard sheared amphibolite						
30	555	577	22	264	269	Sheared talcose amphibolite (little magnetite)						
31	577	602	25	269	272	Altering to Carbonate Banded pyrite & magnetite						
1966 Jan. 4	602	615	10	272	275	Serpentine with little magnetite						
5	615	630	11	275	280	Massive fine grained amphibolite						
				280	284	Mixed carbonate & serpentine with little magnetite. Cleavage 45°						
				284	288	Carbonate						
				288	298	Carbonate but gradually small amounts of Serpentine along cleavage at 45°						
				298	324	% of Serpentine gradually increasing.						
				324	325	Magnetite with little pyrite & talc						
				325	334	Serpentine, Talc & Magnetite						
				334	336	Sheared amphibolite & Serpentine. Little magnetite mineralization along narrow sheer planes ½" galena & carbonates.						
				336	354'6"	Fine grained amphibolite						
				354'6"	367	Serpentine, Talc & Magnetite						
				367	410	Fine grained amphibolite - massive with occasional shearing.						
				410	411	Carbonate						
				411	422	Fine grained amphibolite						
				422	479	Carbonate & Serpentine with disseminated magnetite & pyrite.						
				479	480'6"	Serpentine						
				480'6"	499	Magnetite with talc & pyrite, 6" hematite at 480'.						
				499	504	Massive fine grained amphibolite - little shearing						
				504	521	Magnetite with talc & pyrite - little Serpentine						
				521	553'6"	Fine grained amphibolite						

345 Q47

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DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS										
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To								
				553'6"	558	Magnetite in talc & serpentine													
				558	568	Massive fine grained amphibolite													
				568	572	Some magnetite in talc & serpentine													
				572	610	Fine grained massive amphibolite probably becoming sheared.													
				610	614	Soft talcy sheared amphibolite													
				614	618	Carbonate													
				618	630	Mixed carbonate & sheared amphibolite													