54488

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

319 Q43

33 002

Hole No. 14

Drilled by Associated Diamond Drillers Pty.Ltd.

Core Recovery 85% Lode Section 98%

Geological Logging by—
J.E. Ridgway

Area of Operation Savage River

Location of Site H1 - 00

Date Commenced 18th October 1961

Date Completed 16th January 1962

MINE COORDS 25,783N 21,838E

Reduced Level of Site ~~850' (old)~~ ~~475' (B.M.R.)~~ 452·1

Bearing of Hole ~~270°~~ 274° 30'

Dip of Hole 60°

Bore Depth 1541 ft.

AMG Co-ords: 335166 E 5406316 N

Ref No 2051

Core held Plant Room M.

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION	
Date	From	To	Core Recov.	From	To	Description	Core	Sample
18	0	45	2	0	50	Clay with occasional iron boulders	0	0
	45	80	2	50	59	Altered amphibolite and magnetite		
19	85	130	-		59	No core		
19	130	190	-			No core		
20	190	220	-			No core	50	50
	220	260	-	257	278	Dolomite 276'6" Amphib in Dol.		
23	260	268	7	278	279	No core		
	268	279	10			281 Dolomite Bot Work 2"		
24	279	295	16	279	282	Magnetite and pyrite		
25	295	318	23	282	286	Shear zone magnetite bearing to 285'	100	
	318	338	20	286	291	Fine grained amphibolite		
				291	300'6	Magnetite sheared in part		
				300'6	302'6	No core		
				302'6	303	Albite rock ?		
				303	333	Schist and schistose amphibolite	150	
				333	335	Magnetite and pyrite		
26	338	363	25	335	363	Talc and sericite schist shearing 0°-40°		
	363	449	86	363	439	Fine grained amphibolite serpentinous 414'-417'		
30	449	459	10	439	440	Albitised crush zone		
				440	441	Albite rock	200	
				441	442	Sheared albitised zone		
	459	484	25	442	462	Coarse grained amphibolite		
				462	468	Fine grained amphibolite		
				468	482	Coarse grained amphibolite		
31	484	504	20	482	486	Fine grained amphibolite	250	
				486	487	Coarse grained amphibolite	257'6	
Nov				487	491	Fine grained amphibolite	270	

ASSAY RESULTS

Sample No.	From	To	% Hcl. Sol. Fe	Si	SiO_2	Al	Al_2O_3	Ti	Mn	S	P	V.
	0	50	65.3	2·35	50	1·1	2·1	·37	·07	2·42	·06	·44
	50	59	52									
	279	283'3	49.5									
	283'3	285'6	16.2	2·7	5·8	·21	·4	·02	·09	3·19	·06	·02.
	291	300'6	50.6									
	333	335	39.4									

IRONSTONE BOULDERS IN CLAY

AMPHIBOLITE

DOLOMITE

LOW GRADE IRON ORE

IRON ORE CHIEFLY MAGNETITE

Sample No.	From	To	Si	SiO_2	Al	Al_2O_3	Ti	Mn	S	P	V.
3028	848	882	7·85	16·8	·55	1·0	·29	·08	4·9	·51	·21
3029	882	890	17·3	37·1	5·58	"	·61	·19	1·61	·07	·05
3030	890	913	4·5	9·6	·83	1·6	·29	·09	5·05	·24	·25
3031	919	955	6·8	14·6	·67	1·3	·22	·06	4·46	·04	·22
3032	1064 1009	1005'6 1046	7·3	15·7	·76	1·4	·25	·08	5·37	·37	·23
3033	1046	1084	6·3	13·6	·54	1	·28	·08	5·35	·22	·23
3034	1084	1117	7·4	15·9	·53	1	·26	·08	4·47	·11	·28
3035	1117	1145	6·6	14·1	·49	·9	·45	·07	4·68	·14	·24
3036	1145	1169	15·4	33	5·1	9·6	·57	·10	2·22	·12	·12
3037	1210	1236	3·1	6·8	·77	1·5	·29	·09	4·57	·31	·35
3038	1236	1254'6"	10·7	22·9	3·12	5·9	·40	·09	4·65	·08	·22

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33 003

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS													
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	% Hcl. Sol Fe	S	SiO_2	Al	Al_2O_3	Ti	Mn	S	P	V.
1	504	711	205	491	702	Coarse grained amphibolite			3039	1254'6"	1285'6"											
3	711	762	51	702	762	Fine grained amphibolite			3040	1285'6"	1319											
6	762	884	122	762	823	Coarse grained amphibolite			3041	1319	1339											
				823	848	Amphibolite			3042	1339	1370											
				848	856	Magnetite and pyrite sheared and sericitised				848	882	34.5										
				856	882	Talcose and sericitic shear zone and magnetite																
16	884	907	23	882	890	Amphibolite				882	890	5.5										
17	907	931	24	890	913	Sheared and talcose magnetite and pyrite				890	893	22.8										
	931	956	25	913	919	Altered amphibolite				893	913	46.1										
20	956	984	28	919	955	Magnetite and serpentinous amphibolite				913	919	1.9										
	984	1014	30	955	956'6	Altered amphibolite				919	955	35.1										
21	1014	1039	25	956'6	957'6	Talcose shear zone				1004	1005'6	23.0										
	1039	1064	25	957'6	1009	Altered amphibolite, magnetite				1009	1016	22.2										
22	1064	1080	16			bearing shear zone 1005-1005'6				1016	1046	35.7										
	1080	1099	19			dip 40° to core axis				1046	1076	39.5										
23	1099	1100	1	1009	1145	Magnetite and pyrite, bands				1076	1084	30.7										
	1100	1109	8			of amphibolite and talcose shear zones				1084	1087	19.9										
24	1109	1118	9	1145	1160	Amphibolite				1087	1117	37.9										
	1118	1132	14	1160	1162'6	Magnetite and pyrite				1117	1145	39.7										
27	1132	1148	16	1162'6	1165	Amphibolite				1145	1159'6	3.9										
28	1148	1159	11	1165	1169'6	Magnetite, talc and clay				1159'6	1162'6	46.4										
29	1159	1163	3	1169'6	1210	Amphibolite				1162'6	1165	4.0										
Dec 1	1163	1172	8	1210	1247	Magnetite and pyrite with bands				1165	1169	39.2										
	1172	1182	9			of amphibolite				1210	1236	51.4										
4	1182	1213	31	1247	1254	Altered amphibolite little				1236	1238'3	3.8										
5	1213	1214	0			magnetite and pyrite				1238'3	1247	49.9										
6	1214	1249	35	1254	1319	Magnetite and pyrite small				1247	1250'6	3.9										
8	1249	1256	5			bands of amphibolite				1250'6	1254'6	11.9										
11	1256	1353	97	1319	1327'6	Amphibolite and sheared amphibolite				1254'6	1285'6	48.6	3.47	7.4	.86	1.6	.49	.09	6.14	.09	.32
15	1353	1372	15	1327'6	1370	Magnetite and pyrite occasional				1285'6	1319	51.5	2.74	5.9	2.0	3.7	.59	.09	6.11	.02	.36
Jan 7	1372	1390	18			sheared talcose zones				1319	1327'6	5.4	12.9	27.7	1.76	3.3	.67	.06	3.3	.06	.19
	1390	1404	11	1370	1382'6	Altered amphibolite				1327'6	1339	38.6										
8	1404	1415	10	1382'6	1432	Amphibolite, pyritised and				1339	1370	52.8	2.2	45	.74	1.4	.25	.06	5.45	.06	.34

321 QH3

33 004

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION	
Date	From	To	Core Recov.	From	To	Description	Core	Sample
9	1415	1453	38			schistose		
10	1453	1471	17	1432	1432'6	Magnetite and amphibolite		
11	1471	1520	49	1432'6	1541	Schistose amphibolite		
12	1520	1541				Some pyrite – Carb veins – 2 salt. quartz pieces END OF HOLE.		

ASSAY RESULTS					
Sample No.	From	To	% Hcl. Sol. Fe	Geological Section Core	Geological Section Sample
				930	
				F	955
				1000	1004 1009 1016
				1370	1370
					1076
					1084 1087
				1100	
					1117
				1145	1145
				1160	1159'6
					1162'6
				1165	1165 1169
				1200	1200
					1210
					1236 1238
				1247	1247
					1250'6
				1254	1254'6
				1260	

Geological Section	
Core	Sample
1260	
	1285'6
1300	
1319	1319
	1327'6
	1339
1370	1370
	1382'
1400	
1432	
1500	
1541	1541