SAVAGE RIVER MINES
PICKANDS MATHER & CO. INTERNATIONAL
MANAGING AGENT

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

043
456
33 179

Hole No. 115
Drilled by ASSOCIATED DIAMOND DRILLERS
Core Recovery 66%
Geological Logging by —
D. J. PERKIN

Area of Operation SAVAGE RIVER, Tas.
Location of Site 75'W ALONG TRAV. 1250S; 48'N
Date Commenced 28-7-1965
Date Completed 18-9-1965
COORDINATES: 21,647 N 20,663 E

Reduced Level of Site 1012.0
Bearing of Hole 270°
Dip of Hole -55°
Bore Depth 422'

Ref No 2090.

AMG Co-ords: 351099 E. 5404799 N.

DRILL RECORD

Date 1965	From	To	Core Recov.
28/7	0.0	8.0	8.0
29/7	8.0	26.0	14.4
30/7	26.0	32.0	5.7
31/7	32.0	37.0	1.6
2/8	37.0	72.0	21.5
3/8	72.0	97.0	12.0
4/8	97.0	114.0	1.6
5/8	114.0	146.0	16.1
6/8	146.0	176.0	16.3
9/8	176.0	196.0	18.1
10/8	196.0	223.0	20.2
11/8	223.0	249.0	25.8
12/8	249.0	259.0	10.0
13/8	259.0	264.0	5.0
30/8	264.0	268.0	3.9
31/8	268.0	293.0	24.8
1/9	293.0	315.0	19.4
2/9	315.0	335.0	12.6
3/9	335.0	371.0	10.5
15/9	371.0	381.0	1.7
16/9	381.0	406.0	15.9
17/9	406.0	421.0	14.4
18/9	421.0	422.0	0.1

HOLE ABANDONED.

GEOLOGICAL LOG

From	To	Description
0.0	159.0	AMPHIBOLITE;
		From 0.0 to 26.0 is amphibolite clay, fairly fine-grained, fairly massive, quite oxidised with occasional soft zones, yellow-brown in color. From 0.0 - 8.0, 21.0 - 23.0 - Black oxidised hematite and chlorite film along fracture planes. From 8.0 - 21.0, 23.0 - 26.0 - less oxidised greenish-brown zones.
		From 26.0 to 159.0, amphibolite is fine to medium - grained, fairly massive, moderately soft and friable, yellow-brown in color, quite oxidised from 26.0 - 97.0, fairly oxidised from 97.0 - 127.0, and slightly oxidised from 127.0 - 159.0. Black oxidised chlorite along fracture planes, occasional quartzo-feldspathic and carbonate veinlets throughout from 57.0 - 67.0 amphibolite is fairly oxidised, greenish - brown in color and slightly friable. 67.0 - 72.0 - quite oxidised, orange - brown in color 72.0 - 87.0 - quite oxidised, fine to medium-grained. Orange - brown in color.
		87.0 - 92.0 - moderately hard, moderately oxidised. Greenish - brown in color. 92.0 - 97.0 - fairly oxidised, fairly soft and friable, brown, slightly altered. Very poor core recovery - core washing away? Also

GEOLOGICAL SECTION

Scale 1" = 50'

Core: 0' 159' 184' 196' 239' 328' 342' 361' 389' 411' 422'
Sample: 0' 159' 184' 239' 253' 268' 328' 342' 361' 389' 409' 422'

ABANDONED

ASSAY RESULTS

No Core held.

Sample No. From Ft.	From To.Ft.	CRUDE To %Fe	Wt. Recovery	CONCENTRATE (-325 Mesh) %Fe	%SiO_2	%Ni	%TiO_2
0 -	159	(Amph)					
159	172	55.03	66.67	70.73	<0.5	0.039	0.220
172	184	55.03	63.83	70.82	<0.5	0.042	0.235
184	199	26.87	22.75	69.76	1.00	0.065	0.140
199	219	22.04	15.20	68.56	1.60	0.100	0.140
219	239	26.58	21.16	69.46	1.35	0.125	0.120
239	253	58.11	73.59	70.18	<0.5	0.064	0.280
253	268	53.17	60.88	70.51	<0.5	0.078	0.310
268	288	58.84	73.86	70.43	<0.5	0.064	0.300
288	308	61.11	75.37	70.51	<0.5	0.075	0.265
308	328	62.24	78.03	70.75	<0.5	0.043	0.300
328	342	(Amph)					
342	361	16.21	13.88	70.51	0.84	0.048	0.155
361	389	(Amph)					
389	409	51.47	63.63	70.25	0.65	0.055	0.450
409	422	57.46	73.12	70.25	<0.5	0.041	0.455

LEGEND.

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

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS									33 180
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To							
				0.0	159.0													
				Continued		poor recovery for interval 97.0 - 114.0. Green, soft, fine-grained clayey zone from 124.0 - 127.0. From 127.0 - 146.0 amphibolite is hard and massive. Only slightly oxidised, green in color, with brown and black limonite film along fracture planes. Occasional hematite and quartzo-feldspathic and carbonate veinlets throughout. Fairly broken core. 146 - 159.0 fine grained, massive with many rehealed fractures. Carbonate veinlet at 153.0. Fairly soft zone from 156.0 - 157.0.											
				159.0	184.0	MAGNETITE (RICH) Fine to medium-grained massive with moderate amounts of slightly oxidised tremolite - actinolite and minor pyrite throughout. Slightly oxidised with minor amounts of hematite throughout. Limonite and oxidised chlorite along fracture planes.												
				184.0	239.0	MAGNETITE (LEAN) Fairly fine-grained, fairly massive; bands, blebs and stringers of magnetite alternate with bands of pyrite, tremolite - actinolite and serpentine. From 184.0 to 196.0 the magnetite is slightly oxidised and Delta Angle of Banding is 25°. Zone of fairly soft and broken amphibolite from 184.0 - 188.0. Zone of fairly massive rich magnetite from 188.0 - 189.0. Limonite and oxidised chlorite along fracture planes. Core fairly broken. From 196.0 to 239.0 the core is relatively unoxidised, Delta Angle 20° - 40°, fairly											

9458

33 181

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS									
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To							
				Continued														
				184.0	239.0	broken and moderately soft zones of amphibolite from 203.0 - 213.0, 232.0 - 235.0. Fairly broken core, oxidised chlorite along fracture planes.												
				239.0	328.0	MAGNETITE (RICH) Fine to medium-grained, massive. From 239.0 to 259.0 - moderate amounts of tremolite - actinolite with minor pyrite, serpentine and occasional carbonate minerals throughout - oxidised chlorite along fracture planes. From 259.0 to 264.0 - moderate amounts of tremolite-actinolite and minor pyrite and serpentine disseminated throughout. Limonite along fracture planes. Pyrite - rich zone 259.0 - 259.7 with moderate amounts of limonite. From 264.0 to 328.0 - Fine to medium - grained, massive with minor amounts of tremolite - actinolite and pyrite disseminated throughout with a slight tendency to alignment. Very slightly oxidised limonite along fracture planes. From 293.0 - 315.0 magnetite is moderately oxidised with a pitted surface and minor hematite from 299.7 - 300.0 and 303.0 - 303.3. Pyrite and tremolite - actinolite - rich zone from 295.3 - 296.0.												
				328.0	342.0	AMPHIBOLITE From 328.0 to 335.0 fine-grained, slightly sheared and altered with fair amounts of tremolite - actinolite throughout. Very poor core recovery - soft zones washing away?												

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS										
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To								
				328.0 Continued	342.0	From 335.0 to 342.0 fine-grained, hard, fairly broken core, slightly altered. Very poor core recovery. Limonite along fracture planes.														
				342.0	361.0	MAGNETITE (LEAN) Fairly fine-grained magnetite occurs in occasional masses and blebs and stringers with minor pyrite throughout a tremolite - actinolite - rich amphibolite with occasional serpentine.														
				361.0	389.0	AMPHIBOLITE From 361.0 to 371.0 fine - grained hard, fairly broken core, slightly altered. Limonite film along fracture planes. Poor core recovery. From 371.0 to 389.0 fairly fine-grained, fairly massive and hard, slightly altered with minor quartz veins disseminated irregularly throughout. Very slightly oxidised with limonite and oxidised chlorite along fracture planes. Fairly broken core. Poor core recovery - clay zones washing out?														
				389.0	411.0	MAGNETITE (MEDIUM-RICH) Fairly fine-grained, massive with moderate amounts of tremolite - actinolite and minor pyrite and serpentine disseminated throughout - chlorite and serpentine films along fracture planes.														
				411.0	422.0	MAGNETITE (RICH) HOLE ABANDONED Fairly fine-grained, massive with minor pyrite, tremolite - actinolite and serpentine throughout, chlorite and serpentine film along fracture planes. HOLE ABANDONED.														