

497 043

DIAMOND DRILL CORE RECORD

Hole No. 120
 Drilled by GLINDEMANN & KITCHING
 Core Recovery 74%
 Geological Logging by —
T. MUNRO

Area of Operation SAVAGE RIVER, TAS.
 Location of Site 22134 N ; 20300 E
 Date Commenced 30 - 5 - 1966
 Date Completed 8 - 7 - 1966

Reduced Level of Site 882.5
 Bearing of Hole 90°
 Dip of Hole 0 200' 400' 600' 700'
-45°00' -44° -44°30' -45° -45°
 Bore Depth 725.5'

AMG Co-ords: 350986E 5404936N

Ref No 2095

42 015

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS								
Date 1966	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From Ft.	To Ft.	CRUDE %Fe	Wt. Recovery	CONCENTRATE (+325 Mesh)			
												%Fe	%SiO ₂	%Ni	%TiO ₂		
30/5	0	5.0	2.5	0.0	15.0	OVERBURDEN			0	15		0'burden					
31/5	5.0	29.2	13.8			Ironstone scree, partly cemented, with some decomposed amphibolite.			15	22		Amph.					
1/6	29.2	40.2	9.3						22	29		63.24	54.95	69.52	0.22	0.081	0.190
2/6	40.2	50.0	9.7	15.0	22.0	AMPHIBOLITE CLAY			29	40		64.14	83.74	70.74	0.26	0.033	0.140
3/6	50.0	66.2	14.5			Decomposed amphibolite with some zones containing ferruginous cement.			40	51		61.86	79.09	70.74	0.32	0.029	0.145
4/6	66.2	90.5	19.1						51	106		(Amph.)					
5/6	90.5	100.0	5.5	22.0	29.0	MAGNETITE (MEDIUM)			106	115		54.52	70.93	70.99	0.43	0.026	0.260
6/6	100.0	128.8	13.5			Fine to medium-grained with moderate amounts of pyrite distributed in blebs and stringers.			115	123		55.50	68.43	70.99	0.47	0.045	0.36
7/6	128.8	138.5	5.3						123	153		Amph.					
9/6	138.5	150.0	4.9			Fairly oxidised, weakly magnetic, containing voids and puggy amphibolite - clay - filled joints.			153	172		52.24	67.29	71.41	0.56	0.033	0.205
10/6	150.0	160.9	3.6						172	179		Amph					
13/6	160.9	167.8	2.5						179	193		52.89	65.76	71.33	0.55	0.045	0.195
14/6	167.8	184.4	7.1	29.0	50.0	MAGNETITE (RICH)			193	272		Amph					
16/6	184.4	214.0	17.3			Fine to medium grade, massive in parts, with minor pyrite distributed in blebs and stringers and minor tremolite - actinolite and talc. Limonite on fracture planes.			272	288		57.86	71.85	70.68	0.66	0.029	0.375
17/6	214.0	219.6	3.2						288	308		50.68	63.70	70.35	0.82	0.032	0.60
18/6	219.6	234.9	6.3						308	356		Amph.					
20/6	234.9	268.2	14.2						356	364		42.93	49.85	70.02	0.66	0.054	0.480
21/6	268.2	298.8	16.6			Massive unoxidised zone from 35.5 - 43.5.			364	383		56.80	69.78	70.02	0.77	0.043	0.62
22/6	298.8	320.2	14.7			Very broken zones from 44.0 - 45.8, 47.2 - 50.2. Soft puggy serpentine (?) - rich zone			383	403		33.13	37.92	69.86	1.23	0.041	0.58
23/6	320.2	341.0	17.6						403								
24/6	341.0	385.4	33.2			48.0 - 48.4. Ore generally slightly oxidised.			308								
25/6	385.4	414.0	13.9						356								
2/7	414.0	434.1	18.5	50.0	51.4	MAGNETITE (RICH)			364								
4/7	434.1	461.7	25.6			Fine to medium grained, massive in parts with minor pyrite, tremolite - actinolite and talc (?). Ore is moderately			383								
5/7	461.7	528.0	56.1						403								
6/7	528.0	589.8	60.4						414								

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										
				445.0	461.0	Cont.... stringers and Delta Angle of Alignment = 40°, Incipient or rehealed fractures common. Some serpentine on fracture planes. Small patches of medium - grained amphibolite with replacement - like (?) boundaries with the magnetite. Incipient fractures throughout.															
				461.0	475.0	<u>MAGNETITE (MEDIUM-LEAN)</u> From 461.0 to 465.0 are aligned blebs and thin stringers of fine-grained magnetite and pyrite throughout a pale - green tremolite - actinolite - rich host. Delta Angle of alignment = 70° From 465.0 to 475.0 is rich fairly fine- grained magnetite with moderate tremolite - actinolite and minor pyrite and talc. 3" of fibrous actinolite at 466. Talc crystals up to 0.2" in cavity filling at 467'. 475.0 633.0 <u>AMPHIBOLITE</u> Fairly fine-grained 475 - 486; fine-grained 524 - 536, 580 - 581, 586 - 588; and medium - grained 486 - 524, 536 - 580, 581 - 586, 588 - 633. Amphibolite massive, moderately altered, mainly tremolite - actinolite with fair amounts epidote and moderate feldspar. Thin epidote, hematite and pink feldspathic veinlets throughout. Hematite and slickensided serpentine on fracture planes. Incipient joints throughout with Delta Angles of 20°, 40°, 50°. Contact zones 524 - contact sharp, planar, D.A. = 50° 523 - brecciated zone with fine-grained tremolite - actinolite - rich amphibolite and medium - grained amphibolite breccia. 536 - sharp, Delta Angle = 70°, Alignment of minerals at contact.															

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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						
				475.0	633.0	Cont.... Movement (?) 580, 581 fairly sharp, some alignment of minerals. Small stringers of magnetite and pyrite 580 - 581.											
				633.0	660.0	<u>MAGNETITE (RICH)</u> Fairly fine - grained, massive, with minor tremolite - actinolite and pyrite disseminated in irregular blebs and stringers. Leached veins and joints. Amphibolite zone 647 - 648. Sharp boundary at 660.											
				660.0	672.0	<u>AMPHIBOLITE</u> Fairly fine-grained, hard, massive with quartzofeldspathic veinlets throughout. Incipient joints. Hematite on fracture planes. 671.5 - 672.0 is sheared with slickensides.											
				672.0	680.0	<u>MAGNETITE (RICH)</u> Fairly fine-grained magnetite with moderate fine-grained pyrite and tremolite - actinolite disseminated in blebs and thin stringers with a tendency to alignment (Delta Angle = 80°). Pale - green serpentine on fracture planes.											
				680.0	698.0	<u>MAGNETITE (RICH)</u> Fairly fine-grained with moderate pyrite and tremolite - actinolite disseminated in blebs and stringers with a tendency to alignment (Delta Angle variable - 50° at 693') incipient fractures and leached joints. Irregularly banded lean zone 687 - 689 with Delta Angle 45° - 70°.											
				698.0	725.5	<u>AMPHIBOLITE</u> Fine - grained, fairly massive with serpentine, epidote, quartz-rich, and											

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