

280
043

DEPARTMENT OF MINES — TASMANIA
DIAMOND DRILL CORE RECORD

Hole No. DDH No. 23

Drilled by ASSOCIATED DIAMOND DRILLERS

Core Recovery 56%

Geological Logging by—

J. E. RIDGWAY

Area of Operation SAVAGE RIVER

Location of Site 275 feet W. of 00 and 25 feet north of traverse line 750

Date Commenced 23rd August, 1963

Date Completed 20th September, 1963

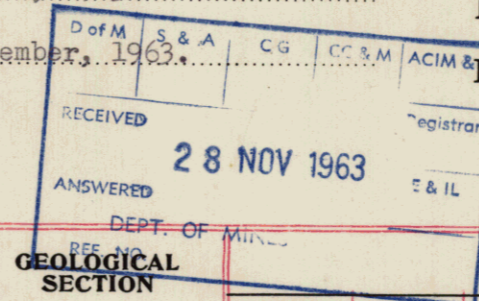
931.7

Reduced Level of Site 925 feet (Bore hole commenced 2 ft. below original ground level)

Bearing of Hole WEST

Dip of Hole 47° 32 21.2

Bore Depth 297'



Ref No 2047

AMG 6-ords: 351056E 5404936 N.

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.	No Core held	
1963														
Aug. 23rd	2'	7'	3'	0	10	Hematite & Limonite			1736	2	7	68.3	5	341.5
	7'	10'	1'	7'	10	Yellow Clay			1737	7	10	57.4	3	172.2
	10	11' 9"	1' 3"	10'	17' 9"	Hematite, limonite & little magnetite			1738	10	15	63.4	5	317.0
	11' 9"	13'	8"			2" clay band between 13' & 14'			1739	15	17' 9"	64.1	2' 9"	176.2
	13'	14'	9"	17' 9"	19'	Yellow clay with bands of hematite			1740	17' 9"	19'	54.7	1' 3"	68.5
	14'	15' 3"	1' 10"			& limonite			1741	19	24	60.3	5' 0"	301.5
	15' 3"	17' 9"	11"	19'	21' 4"	Porous limonite clay partings parallel			1742	24	33' 6"	55.0	9' 6"	523.0
	17' 9"	19'	8"			to core axis			1743	33' 6"	33' 11"	45.1	5"	187
	19'	21' 4"	1' 4"	21' 4"	30' 5"	Honeycombed magnetite, limonite &			1744	33' 11"	39' 4"	62.4	5' 5"	338.0
	21' 4"	22' 1"	9"			hematite laminated parallel to axis			1745	39' 4"	47'	56.2	7' 8"	432.0
	22' 1"	24' 2"	1' 10"	30' 5"	33' 6"	Hematite & limonite clay in sludge			1746	47'	53'	50.9	6' 0"	305.4
	24' 2"	27' 1"	1' 7"			for last 12" laminated parallel to axis			1747	53' 1"	63' 9"	56.6	10' 9"	71.0
	27'	30' 5"	2' 3"	33' 6"	33' 11"	Clay & limonite			1748	63' 9"	66' 9"	15.2	3' 0"	45.6
	30' 5"	33' 6"	1' 6"	33' 11"	36' 3"	Honeycombed limonite & hematite, clay			1749	66' 9"	70' 3"	22.4	2' 0"	44.8
	33' 6"	33' 11"	5"			in sludge			1750	70' 3"	72' 3"	56.2	7' 9"	436.0
	33' 11"	36' 3"	10"	36' 3"	36' 5"	1" limonite & hematite			1751	72' 3"	80' 1"	50.3	3' 4"	168.0
	36' 3"	36' 5"	1"	36' 5"	39' 4"	Soft hematite--38' 3" - 39' 4" soft iron sludge in barrel			1782	80' 1"	83' 4"	53.4	1' 10"	98.0
	36' 5"	38' 3"	6"	39' 4"	41' 5"	Magnetite Hematite & pyrite			1783	83' 4"	85' 2"	59.4	3' 0"	178.2
	38' 3"	39' 1"		41' 5"	43' 6"	Hematite & talc			1784	85' 2"	87' 1"	61.3	2' 0"	122.6
	39' 1"	39' 4"		43' 6"	53' 3"	Soft hematite, magnetite & pyrite			1785	87' 1"	90'	49.6	1' 9"	136.4
26th	39' 4"	41' 5"	2'	53' 3"	57' 1"	Weathered amphibolite			1786	90'	92'	53.8	2' 6"	134.8
	41' 5"	43' 6"	3"	57' 1"	58' 7"	Magnetite sludge			1787	92'	93' 9"	60.2	1' 8"	100.0
	43' 6"	53' 3"	7' 2"	58' 7"	63' 9"	Soft amphibolite little magnetite			1788	93' 9"	96' 6"	58.1	4' 7"	266.5
	53' 3"	57' 1"	3' 9"	63' 9"	66' 9"	Magnetite pyrite & sheared amphibolite			1789	96' 6"	99'	6.5	9"	4.8
	57' 1"	60' 1"	1' 6"			shearing 80°-85° to core axis			1790	99'	100' 8"	54.3	2' 6"	135.9
	60' 1"	63' 9"	3' 8"	66' 9"	70' 3"	Sludge indicated talc & magnetite			1791	100' 8"	105' 3"	44.3	1' 0"	44.3
	63' 9"	66' 9"	2' 0"	70' 3"	80'	Soft magnetite & pyrite			1809	105' 3"	106'	59.5	4"	19.8
										108' 6"	115' 5"	0?	7' 0"	0.0
										116' 5"	127' 9"	0?	11' 4"	0.0
										127' 9"	146' 9"	0?	18' 8"	0.0

Aver 58.7% Fe

Aver 8.39% Fe

Aver 49.8% Fe

Av 2865% Fe

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS						
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To				
	66' 9	70' 3	0	80	82	Magnetite & pyrite			1810	146' 9	149' 9	32.7	3' 0"	98.1	
	70' 3	72' 3	1' 7"	82	83' 4	Magnetite, pyrite with talc veins			1811	149' 9	155' 3	46.9	5' 6"	117.3	
	72' 3	74' 9	1' 1"	83' 4	85' 2	Black sludge			1812	155' 3	161' 8	50.9	6' 5"	326.4	
	74' 9	76' 3	8"						1813	161' 8	164	41.4	2' 4"	96.6	
	76' 3	80'	11"						1814	164	168' 4	52.0	4' 4"	225.4	
	80'	81' 9	1' 7"						1815	168' 4	171' 2	20.6	2' 10"	58.5	
	81' 9	82'	3"						1816	171' 2	174' 3	37.5	3' 1"	115.9	
	82'	83' 4	1' 3"						1817	174' 3	177'	45.1	2' 9"	124.0	
	83' 4	85' 2	0			Black sludge			1818	177'	180' 3	35.9	3' 3"	116.5	
	85' 2	87'	1' 10"			Magnetite, pyrite and talc			1819	180' 3	184' 3	51.2	4' 0"	204.8	
	87'	90'	1' 8"			Magnetite, pyrite & little talc			1820	184' 3	186' 9	53.9	2' 6"	134.8	
	90'	92'	3"			" " " " "			1821	186' 9	191' 6	12.5	4' 9"	59.5	
	92'	93' 9	0						1822	191' 6	194' 6	53.3	3' 0"	159.9	
	93' 9	96' 6	1' 8"			Magnetite, pyrite and little talc			1823	194' 6	199' 7	55.3	5' 1"	281.0	Av 28.65% Fe
	96' 6	99'	10"			" " " " "			1824	199' 7	203	53.7	3' 5"	183.2	
	99'	100' 8	3"			" " " " "			1825	203	206' 3	51.7	3' 3"	167.8	
	100' 8	104'	1' 4"			" " " " amphibolite			1826	206' 3 210	210' 212' 9	0' 43.7	3' 9" 2' 9"	0.0 120.0	
	104'	106'	1' 4"			Magnetite & pyrite to 105' 3" then amphibolite			1827	212' 9	214' 6	43	1' 9"	75.2	
	106'	108' 3	9"			Magnetite pyrite amphibolite & talc			1828	214' 6	218' 6	50.7	4' 0"	202.8	
	108' 3"	110'	1' 3"						1829	218' 6	221' 6	53.8	3' 0"	161.4	
	110'	111' 9	1' 0"			Amphibolite			1830	221' 6	223' 6	33.1	2' 0"	106.2	
	111' 9	112' 5	8"			"			1831	223' 6	227'	10.4	3' 6"	36.4	Av 22.12% Fe
	112' 5	118'	5' 0"			Amphibolite to 115' 3", magnetite & amphibolite to 116' 6" then amphibolite			1832	227	229' 6	17.0	2' 6"	42.5	
	118'	121' 6	3' 6"			Amphibolite, stringer of magnetite at 120' 75° to core axis			1833	229' 6	234	21.9	4' 6"	98.5	
	121' 6	124' 6	2' 0"			Amphibolite with little fine grained magnetite			1834	234'	239	28.8	5' 0"	144.0	
	124' 6	127' 9	1' 8"			" " " " "			2186	239'	244'	57.0	5' 0"	285.0	
	127' 9	131' 6	2' 8"			4" broken magnetite and pyrite then amphibolite			2187	244'	249' 3	56.7	5' 0"	283.5	
	131' 6	134' 6	1' 6"			Amphibolite 8" magnetite & pyrite 1" and Amphibolite 9"			2188	249' 3	254'	56.4	4' 9"	268.0	
	134' 6	139'	4' 3"			Amphibolite quartz veinlets 100-20° to core axis. Clay on bit. Considered to be soft crushed Amphibolite			2189	254	259	56.5	5' 0"	282.5	Av 43.4% Fe
	139'	146'	0						2190	259	264	54.8	5' 0"	274.0	
	146'	146' 9	0			Last 2" hard			2191	264	269	48.4	5' 0"	242.0	
	146' 9	149' 9	2' 6"			Magnetite & pyrite with amphibolite bands shearing 45° (1" magnetite & pyrite from previous run picked up)			2192	269	274	18.9	5' 0"	94.5	
	149' 9	151' 6	1' 9"			Magnetite & pyrite little talc			2193	274	279	53.2	5' 0"	266.0	

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS						
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To				
	244'	247'	8"			Magnetite and pyrite									
	247'	249'	9"			" " "									
	249'	249' 3	3"			" " "									
	249' 3	249' 9	6"			Amphibolite									
	249' 5	254'	10"			Magnetite and pyrite									
	254'	255' 9	1' 8"			" " "									
	255' 9	259'	2' 9"			" " "									
	259'	260'	9"			" " "									
	260'	262'	1' 3"			" " "									
	262'	264'	1' 2"			" " "									
	264'	267'	2' 3"			" " "									
	267'	269'	1' 3"			Magnetite, pyrite and amphibolite									
	269'	271'	1' 0"			" " " "									
	271'	274'	1' 8"			" " " "									
	274'	276'	3"			Magnetite, pyrite and amphibolite									
	276'	277' 4	2"			Magnetite and pyrite									
	277' 4	279' 4	7"			" " "									
	279' 4	283'	1' 10"			" " "									
	283'	284' 8"	1' 9"			" " "									
	284' 8	285'	4"			Amphibolite									
	285'	288'	3' 0"			"									
	288'	291' 6	2' 6"			"									
	291' 6	292' 6	1' 0"			Magnetite, pyrite and talc									
	292' 6	297'	0			Lost rods and bit									

32 215