81968

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

274@43

Hole No. 21

Drilled by Associated Diamond Drillers

Core Recovery 78%

Geological Logging by—

J. E. RIDGWAY

Area of Operation SAVAGE RIVER Iron Ore Deposit
9 feet South of Traverse line B.8,

Location of Site 285 feet East of H.16.

Date Commenced 2nd August, 1963.

Date Completed 14th August, 1963.

MINE COORDS 24020N 21407E

AM66-ords: 351299E 5405623N.

Reduced Level of Site ~~1025~~ Approx. 1024·7'

Bearing of Hole ~~270°~~ 269°10'

Inclination of Hole at Collar 47°

Dip of Hole ~~45°~~

Bore Depth 172'2"

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Ref N° 2045

DRILL RECORD

Date Aug.	From	To	Core Recov.
2	0	10	3
5	10	17	5½
	17	33	10½
6	33	43	9
	43	53	8
7	53	63	10
	63	68	--
8	68	75	7
	75	88	10
9	88	95	3
	95	102	6
12	102	112	7
	112	115	1
13	115	128	12
	128	142	9
14	142	158	14
	158	172	14

GEOLOGICAL LOG

From	To	Description
0	2'6	Scree
2'6	7'8	Oxidised iron ore.
7'8	10'6	Honeycombed Limonite
10'6	10'9	" "
10'9	13'7	" "
13'7	15'8	" "
15'8	17'0	" " and Clay.
17'0	17'6	Decomposed Amphibolite - Clay.
17'6	18'9	" "
18'9	21'0	" "
21'0	24'5	", "
24'5	29'5	" " and Magnetite
29'5	30'6	Magnetite & Weathered Amphibolite.
30'6	31'5	" " "
31'5	33'6	" " "
33'6	35'6	Weathered Amphibolite
35'6	37'6	" " Little Magnetite
37'6	39'6	", "
39'6	41'6	" "
41'6	43'	Soft green Amphibolite.
43'	45'	" "
45'	46'	Amphibolite - magnetite vein at 45'6
46'	48'	Amphibolite & iron (6" Magnetite sludge in barrel)
48'	48'2	Soft green Amphibolite
48'2	48'5	Soft green Amphibolite, little Magnetite and Pyrite
48'5	50'9	" " " " "
50'9	52'	" " " " "

GEOLOGICAL SECTION

Core | Sample

ASSAY RESULTS

No Core held

Sample No.	From	To	Metres Fe	Feet	Grade		
1597	1	2'6	67.5	1·5	67·5	101·2	
1598	2'6	3'	67.2	·5	67·2	33·6	
1599	3'	7'8	65.9	4·66	65·9	307·5	Aver 51.6% Fe
1600	7'8	13'7	62.9	5·92	62·9	372·0	
1601	13'7	17'3	54.0	3·66	54·0	198·0	
1602	17'3	24'5	26.7	7·16/12	26·7	191·5	
1603	24'5	29'5	52.1	5	52·1	260·5	
1604	29'5	30'6	53.5	1·3/12	53·5	58·0	
1605	30'6	31'5	50.8	11/12	50·8	46·6	
1606	31'5	41'6	19.8	12·1/12	19·8	199·5	
1607	41'6	51'6	5.4	10	5·4	54	Aver 9.6%
1608	51'6	58'9	5.0	7·25	5·0	36·25	
1609	58'9	64'6	4.8	5·75	4·8	27·6	
1610	64'6	69'6	39.5	5	39·5	197·5	Aver 47.9% Fe
1611	69'6	79'6	52.3	10	52·3	523·0	
1612	79'6	84'6	12.5	5	12·5	62·5	Aver 6.9% Fe
1613	84'6	93'6	3.8	9	3·8	34·2	
1614	93'6	98'6	48.7	5	48·7	233·5	
1615	98'6	104'11	48.4	7·7/12	48·4	319·0	
1616	104'11	110'	45.9	6·1/12	45·9	234·0	
1617	110'	113'	36.1	3	36·1	108·3	Aver 45·2%
1618	114'11	115'8	38.2	3/4	38·2	28·65	
1619	115'8	117'2	5.8	1·5	5·8	8·7	
1620	117'2	124'6	47.2	7·33	47·2	346	
1621	124'6	128'6	55.3	4	55·3	221·2	
1622	128'6	134'	26.8	5½	147·4		
1623	134'	138'	18.6	4	74·4	24·2% Fe	

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D.D.H. No. 21. Report for Week Ending 10th August, 1963. by: J. E.RIDGWAY, Esq.

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DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION	
Date	From	To	Core Recov.	From	To	Description	Core	Sample
				52'	53'6	Soft green Amphibolite, little Magnetite and Pyrite		
				53'6	55'6	" " " " "		
				55'6	56'8	" " " " "		
				56'8	58'2	" " " veinlets of Magnetite & Pyrite.		
				58'2	58'9	" " " " " "		
				58'9	60'6	" " " " " "		
				60'6	62'0	" " " " " "		
				62'0	64'6	" " " " " "		
				64'6	65'0	Soft Magnetite & Pyrite then hard Magnetite.		
				65'0	66'11	Magnetite & Pyrite - Albite (?)		
				66'11	68'0	" " Casing to 67'.		
				68'0	69'5	" "		
				69'5	69'9	" " Clay Shears.		
				69'9	69'11	" " & Amphibolite.		
				69'11	72'0	Magnetite & Pyrite with Clay partings.		
				72'0	73'10	Magnetite & Pyrite and Amphibolite. At 73'10" veinlet of asbestos.		
				73'10	75'8	Magnetite & Pyrite - veinlets of asbestos.		
				75'8	77'0	" " " " " "		
				77'0	79'9	" " " Shearing parallel to core axis.		
				79'9	80'11	Amphibolite with magnetite & pyrite.		
				80'11	82'9	" " " "		
				82'9	84'1	Magnetite & amphibolite.		
				84'1	85'11	Amphibolite (a little magnetite & pyrte at beginning of run).		
				85'11	88'6	Amphibolite, slickensides 75° to 80° to core axis.		
				88'6	93'6	Amphibolite.		
				93'6	94'11	Magnetite & pyrite breccia - schistosity parallel to core axis.		
				94'11	96'7	Magnetite & pyrite talc & asbestos veins.		
				96'7	98'8	" " " " " " "		
				98'8	101'2	" " " & amphibolite - schistosity, parallel to core axis.		
				101'2	102'7	Magnetite & pyrite - veins of asbestos.		

ASSAY RESULTS						
Sample No.	From	To				
1624	138'	142'9	48.8	4' 9"	232	24.2% Fe
1625	142'9	148'7	9.6	5' 10"	56	
1626	148'7	152'7	18.1	4'	72.4	
1627	152'7	158'	40.6	5'5"	220	Aver Fe 44.3% Fe
1628	158'	160'3	58.9	2¼	132.5	
1629	160'3	161'6	18.9	1¼	23.6	
1630	161'6	165'6	48.7	4	194.8	
1631	165'6	166'9	17.1	1¼	21.4	Av 25.9% Fe
1632	166'9	172'2	28	5'5"	151.6	
	Surface Sample.					
1636	4'6"		67.1			
	Sludge Samples.					
1633	50'9	52'	21.5			
1634	102'7	113'	35.2			
1635	113'	114'5	41.4			

SAVAGE RIVER Iron Ore Deposit. PAGE 3.

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D.D.H. No. 21

by: J. E. RIDGWAY, Esq.

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS 32 206			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
Aug. 1963				102'7	104'11	Magnetite & Pyrite - clay partings.						
				104'11	106'11	Magnetite & Pyrite little Amphibolite.						
				106'11	109'2	Magnetite & Pyrite with soft earthy magnetite in fault gouge						
				109'2	111'	Magnetite & Pyrite - last 6" fault with sheared amphibolite magnetite & pyrite.						
				111'	112'3	Magnetite & Pyrite with sheared Amphibolite.						
				112'3	113'	Magnetite & Pyrite with little Amphibolite.						
				113'	114'11	Magnetite & Pyrite in sludge.						
				114'11	117'2	9" Magnetite & Pyrite to 115'9" Amphibolite 115'9" - 117'2" Contact with country rock 30°-35° to core axis.						
				117'2	119'11	Magnetite & Pyrite & Amphibolite breccia (talcose)						
				119'11	122'8	Magnetite & Pyrite with talc shears parallel to core axis						
				122'8	124'6	Magnetite & Pyrite. Shear zone at 124'3"						
				124'6	128'2	Magnetite & Pyrite with Amphibolite						
				128'2	134'11	Magnetite & Pyrite with Amphibolite - shearing parallel to core axis.						
				134'11	139'	Amphibolite, Magnetite & Pyrite (Talcose)						
				139'	140'8	Magnetite, Pyrite & Amphibolite & talc						
				140'8	142'7	Magnetite & Pyrite & fault gouge - shearing parallel to core axis						
				142'7	142'9	Magnetite & Pyrite & crushed amphibolite						
				142'9	145'2	Amphibolite with Magnetite & Pyrite veins at 143' & 144'4"						
				145'2	145'9	Crush zone containing Magnetite & Pyrite.						
				145'9	148'7	Amphibolite with a little Magnetite & Pyrite.						
				148'7	152'7	Brecciated Amphibolite, Magnetite & Pyrite Shearing 5°-10° and up to 35° to core axis						

SAVAGE RIVER Iron Ore Deposit. PAGE 3.

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by: J. E. RIDGWAY, Esq.

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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	
1963 August				152'7	158'5	Magnetite & Pyrite - last 5" Amphibolite shearing at 157'8" - 25° to core axis						
				158'5	163'8	Magnetite & Pyrite then sheared Amphibolite 160'3" - 161'6" then Magnetite & Pyrite. Shearing parallel to 10° to core axis.						
				163'8	172'2	Magnetite & Pyrite bands in Amphibolite. End of hole.						