

Ref No 2247

40 016

DRILLING TARGET:— To test the ore body at about 200 feet depth										40 016									
REMARKS:— Iron ore intersected between 124 feet and 216 feet down the hole																			
SURVEY DATA					ASSAY DATA														
DEPTH feet	Bearing mag.	Inclin. degs.	SAMPLE No.	FROM		TO		RECOVERY			ASSAY RESULTS								
				ft.	ins.	ft.	ins.	ft.	ins.	%	Fe%	SiO ₂ %							
150	-	48½	BR 1	110	10	118	0	6	0	84	8.17	83.9							
300	304	48½	2	118	0	124	3	2	10	45	9.58	85.8							
			3	124	3	129	3	3	10	77	55.0	21.2	COMPOSITE ASSAY						
			4	129	3	134	3	4	2	83	58.2	12.2	BR 1 to BR 20 incl						
			5	134	3	139	3	2	4	47	60.1	13.2	P	Al	Mn	S			
			6	139	3	144	3	4	0	80	64.0	6.7	0.08	0.2	0.02	0.05			
			7	144	3	149	3	4	4	87	25.7	60.2							
			8	149	3	154	3	5	0	100	21.7	68.7							
			9	154	3	159	3	4	7	92	29.5	57.6							
			10	159	3	164	3	5	0	100	45.7	32.6							
			11	164	3	169	3	4	8	93	46.0	31.0							

GEOLOGICAL LOG

Logged by:— A. J. NOLDART

ft.	ins.	ft.	ins.	RECOVERY		DESCRIPTION	SECTION	
				ft.	ins.		ft.	ins.
0	0	50	0	Nil	Nil	Clay and overburden		
50	0	55	9	2	6	43	Iron scree boulders	
55	9	75	4	15	9	83	Weathered pale grey phyllite ironstained on joint planes, contorted in part with numerous small fracture and breccia zones	
75	4	91	4	15	2	87	Variable grey - pinkish ironstained phyllite	
91	4	99	0	7	8	100	As above - minor staining only	
99	0	107	3	8	3	100	As above - strongly ironstained and very limonitic on joint planes	
107	3	112	2	3	0	65	Breccia zone - mainly brecciated phyllite	
112	2	116	2	3	0	75	Very ferruginous sandstone	
116	2	124	3	3	9	47	Ferruginous quartzite	
124	3	136	0	8	0	68	Dark red/brown hematitic Iron ore schistose and limonitic in part, yuggy.	
136	0	148	10	8	9	69	Mid red/brown hematitic iron ore some slickensiding of iron on minor fault planes.	
148	10	149	11	1	1	100	Shaley iron formation	
149	11	164	11	14	11	100	Ferruginous quartzite - coarse mottling some small sections grading to siliceous hematitic iron ore	

Continued over:—

DEPARTMENT OF MINES — TASMANIA
DIAMOND DRILL CORE RECORD

HOLE No.:— BR 1	MAP SHEET No. 28	DISTRICT BURNIE	LOCATION OF SITE:— 370 feet
On bearing of 121° mag. from the portal of the upper tunnel, Blythe River/Cuprona iron deposits			
R.L. OF SITE:—	SITE SURVEY ON MAP No.:—	CORE SIZE:— NX to 128 ft. BX to End	
BEARING OF HOLE:— 304° mag.	AIR PHOTO No. 1 315-44 Run 3	COMMENCED:— 2/7/65	
INCLINATION OF HOLE:— 50°	DRILL:— F20 C	COMPLETED:— 13/9/65	
CO-ORDS. OF SITE:— 544 5500N / 38 76 75E 934000N / 396000 E	DRILLER:— G. Burns - J. Perkins	FINAL DEPTH:— 322 ft. 4 ins.	

FROM		TO		RECOVERY			DESCRIPTION	SECTION	
ft.	ins.	ft.	ins.	ft.	ins.	%		Core	Sample
164	11	165	11	0	6	50	Shaley iron formation		
165	11	177	7	10	0	86	Hard greyish hematite - closely mottled with silica blebs - very vuggy		
177	7	182	11	4	0	75	Coarsely mottled siliceous iron formation		
182	11	191	3	8	3	100	Hard greyish hematite as above - some brecciation at 188 feet.		
191	3	192	4	6		46	Hard greyish Hematite as above		
192	4	197	6	2	0	65	Ferruginous quartzite		
197	6	201	6	4	0	100	Siliceous iron ore		
201	6	204	6	3	0	100	Ferruginous quartzite		
204	6	208	5	3	11	100	Siliceous iron ore - shaley in part - with vuggy limonitic iron ore vein almost parallel to core		
208	5	211	1	2	7	98	Dark grey hematite		
211	1	216	8	5	0	90	Ferruginous quartzite partly altered to limonite		
216	8	243	6	7	7	79	Weathered grey siltstone, brecciated, iron staining on joints, some sandy zones.		
243	6	258	6	12	4	82	Mainly whitish sandy siltstone with some zones of sandstone,		
258	6	279	4	18	2	87	Very leached and vuggy porous sand stone and sandy siltstone		
279	4	322	4	4	7	10	Very broken shaly siltstone with some sandy zones.		
END OF HOLE									

Continued over

ASSAY DATA

SAMPLE No.	FROM		TO		RECOVERY			ASSAY RESULTS					
	ft.	ins.	ft.	ins.	ft.	ins.	%	Fe%	SiO ₂ %	AVERAGES		Fe	SiO ₂
BR 12	169	3	174	3	4	10	97	47.8	29.5	BR 3 → BR 6 incl		59.9	14.3
13	174	3	179	3	5	0	100	47.10	28.2	BR 7 → BR 9 incl		25.6	62.2
14	179	3	184	3	4	5	88	43.1	35.2	BR 10 → BR 16 incl		46.6	30.6
15	184	3	189	3	4	8	93	44.7	33.2	BR 16 → BR 20 incl		31.5	67.1
16	189	3	194	3	4	10	97	51.8	24.5				
17	194	3	199	3	4	11	99	29.9	56.3	BR 3 → BR 16 incl		45.8	32.4
18	199	3	204	3	4	10	97	16.8	75.0				
19	204	3	209	3	4	8	93	26.8	55.8	BR 3 → BR 20 incl		40.7	36.6
20	209	3	216	8	6	4	84	47.8	23.78				