DEPARTMENT OF MINES, TASMANIA—DRILLING RECORD.

7825 (829)

Locality: TENTH LEGION IRON ORE DEPOSITS ZEEHAN. Drill: GOLDFIELDS NO10 DIAMOND DRILL

Bore No.: 1 Commenced: 7:10:57 Completed:

Location of Bore: 6 MILES FROM ZEEHAN NORTH OF TRIAL HARBOUR ROAD. 1921

Co-ordinates of Collar: See Plan 1958. R.L. of Collar: AMG Co-ords: 355600E 5361280N

Bearing: 190° Inclination: DEPRESSED 40° Final Depth:

BORE LOG

Date	Footage	Total Depth	From	To	Core	Thickness	Particulars of Core	Details of Ore Intersection	% HCl Sol.
Oct 7	7	7	0'	20'6"	1'6" BX	20'6"	Broken Country - Boulders	79' - 84'	24 - 3
" 8	8	15	20'6"	24'	9"	3'6"	Argillite	91 - 105'	31 - 2
" 9	5	20	24'	25'	1'	1'	Magnetite	199 - 207'	22 - 1
" 10	13	33	25'	35'	2' AX	10'	Calc-Silicate with some Magnetite	207' - 216	28 - 8
" 14	13	46	35'	38'	1'	3'	Magnetite	216 - 226	48 - 0
15	19	65	38'	65'	3'	27'	Calc-Silicate with some Magnetite	226 - 236	52 - 3
16	6	71	65'	67'	1'6"	2'	"	236 - 246	51 - 5
17	8	79	67'	71'	4'	4'	"	246 - 257	43 - 1
18	8	87	71'	79'	8'	8'	"	257 - 262'6"	56 - 2
21	13	100	79	84'	5' EX	5'	- mainly magnetite	264 - 268	42 - 8
22	13	113	84'	90'	6'	6'	- - Calc-Silicate		
23	10	123	90'	105'	12'	15'	- - magnetite	Bore No 1?	Copper
Nov. 1	7'	130'	105	114	7'	9'	Serpentine		Zone
" 5	6'	136	114	119	3	5'	Serpentine altering to calc-silicate	96'	0.010
" 6	11'	147'	119'	122'	2'	3'	Calc-Silicate	230'	0.012
" 7	9'	156	122	123'6"	1'6"	1'6"	Serpentine		
8	15'	171'	123'6"	126'	1'6"	2'6"	Serpentine altering to calc-silicate		
11	6'	177'	126	128	2	2'	Serpentine		
12	11'	188'	128	134	4'	6'	Calc-Silicate with sparse Serp. + Magnetite		
13	12'	200'	134	138'	3'	4'	"		
14	13'	213'	138	143	3'	5'	"		

34 160

DEPARTMENT OF MINES, TASMANIA—DRILLING RECORD.

7825

Locality: TENTH LEGION IRON ORE DEPOSITS ZEEHAN Drill: G33 PERCUSSION

Bore No.: 1 Commenced 7.10.57 Completed: 27.11.57

Location of Bore: 6 MILES FROM ZEEHAN AND NORTH OF TRIAL HARBOUR ROAD

Co-ordinates of Collar: R.L. of Collar:

Bearing: Inclination: DEPRESSED ANGLE 40° Final Depth: 290'

BORE LOG

Date 1957	Footage	Total Depth	From	To	Core	Thickness	Particulars of Core	Details of Ore Intersection
V. 15	13'	226'	143'	145'	1'	2'	Calc-Silicate with sparse Sulp. + Magnetite	
18	10'	236'	145'	147'	1'6"	2'	"	
19	10'	246'	147	151	2'	4'	-	
20	10'	256'	151	154	3	3	-	
22	12'	268'	154	156'	1'	2'	-	
25	9'	277'	156'	158'	1'6"	2	-	
26	10'	287'	158'	164	3'	6'	-	
27	3'	290'	164	174	10'	10'	Calc. Silicate with little magnetite	
			174	177	1'6"	3'	-	
			177	181'	4'	4'	-	
			181	192'	9'	9'	Calc-Silicate	
			192	193	1'	1'	Pyrite, quartz + Serpentine	
			193'	198'	2'	5'	Magnetite in Calc-Silicate	
			198	200'	2'	2'	Serpentine	
			200	202	2'	2'	Magnetite in Calc-Silicate	
			202'	207'	1'	5'	-	
			207'	211'	1'	4'	-	
			211'	216'	5'	5'	-	
			216'	221'	3'	5'	- (Sulp. 221-222')	
			221	226'	5'	5'	-	
			226	236'	10'	10'	Magnetite (½" Sulp. at 232, 234'6" - 235'6")	
			236	246	9'6"	10'	" (Sulp. at 236'6"-237', 239'6"-240'6", 243'6"-244'6")	
			246'	257'	8'	11'	" (" Sulp. at 266')	
			257'	259'	1'9"	2'	Magnetite	
			259'	262'6"	3'	3'6"	" (more friable)	
			262'6"	269'	1'6"	6'6"	Serpentine	
			269'	271	2'	2'	Calc-Silicate with little magnetite	
			271'	290'	16'6"	19'	Calc-Silicate	

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 1/1

TENEMENT NAME TENTH LEGION No. 53M/7

PLAN – MAP REFERENCE

CO-ORDINATES 4914 N 5508 E AZIMUTH DRILLERS MINES DEPT (MS) COMMENCED 1958 DEPTH 88.4 m (290') HOLE No. MINES DEPT HOLE 1

RL COLLAR INCLINATION –60° DRILL TYPE COMPLETED CASING LEFT DPO No(s)

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by CRA LABS) Cu	Pb	Zn	Ag	Sn	W
					CORE DISORDERED 0 – 22.3 m. Samples 871 + 872 are taken from magnetite rich intervals within the interval											
					Most of the interval is hard grey calc silicate skarn, with abundant (10%) disseminated magnetite. (i.e. below, 22.3–24.1)		973871	?		0.5	22	150	900	2	90	10
							872	?		0.4	20	18	300	2	360	20
				Css	22.3 – 24.1 CALC SILICATE SKARN											
					Pale grey crystalline tremolite rock, with 10–15% disseminated granular magnetite.											
				M/S	24.1 – 26.2 MAGNETITE WITH CALCITE + SERPENTINITE		973873	24.1	26.2	0.9	20	28	650	1	50	-10
					15–50% mag as granular aggregates intergrown with bluish green serpentine and calcite.											
				Css	26.2 – 27.7 Calc Silicate Skarn – As above 22.3–24.1.											
					27.7 – 31.4 MAGNETITE WITH SERPENTINE + TREMOLITE		973874	27.7	31.4	2.2	20	28	750	1	95	35
					Granular crystalline aggregates of magnetite with intergrown serpentine and clots of fibrous tremolite, minor calcite segregations.											
				Csd/	31.4 – 35.8 CALC SILICATE ROCK – Green massive granular diopside											
				Css	intergrown with minor fibrous grey tremolite and finely disem. mag. 10%											
					35.8 – 54.3 – Core disordered – mixture of Css with 2–15% mag, as above, and less intervals of massive green serpentinite with magnetite											
				Cst	54.3 – 58.8 Calc Silicate rock with minor disem magnetite – rock is mainly fibrous tremolite.											
				S/M	58.8 – 81.2 SERPENTINITE / MAGNETITE Dark green massive serpentinite with varying proportions of granular crystalline magnetite, ranging from 1–2% to 70–80% over distances from 0.3 to 2.0 metres.											
				Cst	81.2 – 88.4 Calc Silicate rock – Mostly pale grey-green laminated tremolite rock, with minor patches diopside and intervals of magnetite/serpentinite (which become more irregular and smaller with depth). Originally a fine grained sediment which has been metasomatised? – as some poorly defined ?bedding laminations still visible.											
					END OF HOLE 88.4 metres.											