

40 230

BOREHOLE DDH 1

Ref No. 2296  
1.

DRILLING TARGET:— (a) Section limestone succession for analysis.  
REMARKS:— (b) Continue to granite bedrock to elucidate Permian stratigraphy.

SURVEY DATA			ASSAY DATA												
DEPTH feet	Bearing mag.	Inclin. degs.	SAMPLE No.	FROM		TO		RECOVERY		ASSAY RESULTS					
				ft.	ins.	ft.	ins.	%	%	%	agg.%	%	%	%	%
Surface	338		collar	datum	0.0			unit	agg.	Caco <sub>3</sub>	Caco <sub>3</sub>	MgCo <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>
			1	0.0	3.11			72.3	72.3	62.2	58.8	0.6	35.3	1.0	0.3
Surface			2	3.11	10.6			70.9	71.4	73.2	63.6	0.8	24.8	0.7	0.5
to	Vertical		3	10.6	20.3			91.5	81.1	72.7	67.0	0.9	25.5	0.8	0.7
758ft.			4	20.3	30.0			89.7	83.9	72.8	68.2	1.0	24.1	1.0	0.9
			5	30.0	41.6			92.8	86.3	73.2	69.1	0.8	24.4	0.8	0.7
			6	41.6	51.2			100.0	88.9	61.5	67.7	0.7	36.1	1.2	0.5
			7	51.2	61.2			81.7	87.7	78.2	68.5	0.7	19.5	1.0	0.4
			8	61.2	65.1			93.6	88.1	72.3	68.7	1.1	24.5	1.1	1.0
			9	65.1	71.2			100.0	89.1	87.2	70.3	1.0	10.6	0.8	0.5
			10	71.2	81.2			83.3	88.4	85.2	71.4	0.8	12.4	1.0	0.6
								(continued)		(Continued)					

GEOLOGICAL LOG

Logged by:— D.J.Jennings.

FROM ft.	TO ft.	RECOVERY		DESCRIPTION	SECTION	
		ft.	ins.		Core	Sample
				Report and diagrammatic log. Tech Rpt. 13 for 1968 Limestones and intercalated siltstones include abundant broken and complete fossils from 0'0 to 205'0. Shelly fossils predominate in limestone; bryazoa in silt- stone. Siltstone, sandstone and conglomerate from 205'0 to 750'0 are unfossiliferous. Bedding horizontal throughout.		
0'0	3'0 (see above)			Fragmental limestone (Abbrev. 'frag. limst.')	No. 3	Bulk
3'0	6'0	"	"	Lime mudstone (abbrev. 'lime mudst.')	N	"
6'0	9'0	"	"	frag. limst. (stylolites and pebbles)	"	"
9'0	13'0	"	"	lime mudst. (stylolites)	"	"
13'0	15'0	"	"	frag. limst.	"	"
15'0	19'0	"	"	lime mudst. (stylolitis)	"	"
19'0	21'0	"	"	frag. limestone	"	"
21'0	23'0	"	"	lime mudst. (pebbles)	"	"
23'0	29'0	"	"	frag. limst.	"	"
29'0	36'0	"	"	lime mudst.	B	"
36'0	45'0	"	"	frag. limst. (stylolites)	"	"
45'0	60'0	"	"	lime mudst.	"	"
60'0	75'0	"	"	frag. limst. (stylolites at 70'0)	"	"
75'0	76'0	"	"	'siltstones (abbrev. siltst.)	"	"
76'0	90'0	"	"	frag. limst. (stylolites at 80'0)	"	"

DEPARTMENT OF MINES — TASMANIA

## DIAMOND DRILL CORE RECORD

HOLE No.:— D.D.H1	MAP SHEET No. 63	DISTRICT Friendly Beaches	LOCATION OF SITE:—
Top of coastal ridge, N. of Saltwater Lagoon Core held M 99			
R.L. OF SITE:— + 338 feet	SITE SURVEY ON MAP No.:— 3229	CORE SIZE:— N-B	
BEARING OF HOLE:— ----	AIR PHOTO No.:— Swansea Run 8 3085	COMMENCED:— 19-7-68	
INCLINATION OF HOLE:— Vertical	DRILL:— F.C. 20	COMPLETED:— 18-9-68	
CO-ORDS. OF SITE:— 6055E 8230N	DRILLER:— M. Blazely	FINAL DEPTH:— 759 feet.	

6058E 53454N

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DRILLING TARGET:—			(a) Section limestone succession for analysis												
REMARKS:—			(b) Continue to granite bedrock to elucidate Permian stratigraphy.												
SURVEY DATA			ASSAY DATA												
DEPTH feet	Bearing mag.	Inclin. degs.	SAMPLE No.	FROM		TO		RECOVERY		ASSAY RESULTS					
				ft.	ins.	ft.	ins.	%	%	%	agg.%	%	%	%	%
Surface + 338 ft.			collar data	0.0		unit agg.		caco <sub>3</sub>	caco <sub>3</sub>	mgco <sub>3</sub>	siO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	al <sub>2</sub> O <sub>3</sub>		
			11	81.2	91.2	65.0	85.8	70.7	70.5	0.7	26.8	1.2	0.7		
Surface)	Vertical		12	91.2	101.2	0.0	77.3	0.0	68.5	-	-	-	-		
to			13	101.2	112.0	83.1	77.9	32.7	65.3	1.0	60.2	3.2	2.2		
758'			14	112.0	121.2	100.0	79.6	64.0	65.2	0.8	33.0	1.5	0.9		
			15	121.2	130.1	98.3	81.0	61.7	64.9	0.9	34.9	1.6	0.7		
			16	130.1	140.7	100.0	82.3	79.0	65.9	0.7	19.0	1.2	0.5		
			17	140.7	150.5	100.0	83.4	87.3	67.3	0.7	10.6	0.8	0.3		
			18	150.5	160.8	100.0	84.5	88.7	68.7	0.7	9.15	0.8	0.3		
			19	160.8	169.5	100.0	85.3	83.8	69.4	0.6	14.0	1.2	0.4		
		20	169.5	178.2	98.1	85.9	71.3	69.5	0.6	24.6	2.4	1.0			
								(complete)		(complete)					

GEOLOGICAL LOG

Logged by:— D.J. Jennings.

FROM ft.	TO ft.	RECOVERY		DESCRIPTION	SECTION	
		ft.	ins.		Core	Sample
90.0	102.0	Nil	Nil	---	B	Bulk
102.0	113.0	(see above)		Siltstone and mudstone	"	"
113.0	116.0	"	"	frag. limst.	"	"
116.0	118.0	"	"	silsto. and mudst.	"	"
118.0	119.0	"	"	frag. limestone.	"	"
119.0	121.0	"	"	siltst. and mudst.	"	"
121.0	122.0	"	"	silst. with pebble bands. <i>fragmented limestone</i>	"	"
122.0	124.0	"	"	silst. with pebble bands.	"	"
124.0	129.0	"	"	frag. limst.	"	"
129.0	130.0	"	"	siltst.	"	"
130.0	178.0	"	"	frag. limst. (abundant stylolites, pebbles at	BX	
178.0	193.0	↑	"	intercalated thin silts. and frag. limst. 176.0)		None
193.0	198.0			siltst. and mudst. (pebbles at 198.0)		
198.0	202.6			sandst. with subordinate siltst. beds		
202.6	203.6			dirty frag. limst.		
203.6	209.0	Recovery		sandst. with subordinate siltst.		
209.0	213.6	nearly		siltst. with grit and pebble bands		
213.0	219.0	100%		siltst. and mudst. (traces of pyrite 213.0 & 219.0)		
219.0	220.0			arkosic grit		
220.0	223.0			massive conglomerate		
223.0	224.0			arkosic grit		

Continued over:—

DEPARTMENT OF MINES — TASMANIA  
DIAMOND DRILL CORE RECORD

HOLE No.:— DDH 1	MAP SHEET No. 63	DISTRICT:— Friendly Beaches	LOCATION OF SITE:—
Top of coastal ridge N. of Saltwater Lagoon			
R.L. OF SITE:— + 338 feet	SITE SURVEY ON MAP No.:— 3229	CORE SIZE:—	
BEARING OF HOLE:— -	AIR PHOTO No.:— 3085 Swansea Run 8	COMMENCED:— 19-7-68	
INCLINATION OF HOLE:— Vertical	DRILL:— F.C. 20	COMPLETED:— 18-9-68	
CO-ORDS. OF SITE:— 6055E 8230N	DRILLER:— M. Blazely	FINAL DEPTH:— 759 feet	

6058E 53454N

DRILLING TARGET:— a) Section limestone succession for analysis									
REMARKS:— b) Continue to granite basement to elucidate Permian stratigraphy									
SURVEY DATA			ASSAY DATA						
DEPTH feet	Bearing mag.	Inclin. degs.	SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins. %		ASSAY RESULTS	
Surface+338		feet							
Surface)									
to	} Vertical								
758'									
collar datum		0.00'							

GEOLOGICAL LOG

Logged by:— D.J. Jennings

FROM ft.	TO ft. ins.	RECOVERY		DESCRIPTION	SECTION	
		ft. ins.	%		Core	Sample
224.0	258.6	↑		massive conglomerate, arkosic grit base (trace of pyrite 251.0)	BX	None
258.6	261.0			less coarse conglom. with arkosic sandst. base	↓	
261.0	275.6			mainly massive coarse conglom. arkosic base	AX	
275.6	279.0			less coarse conglom. with arkosic sandst. base		
279.0	290.0			intercalated conglom, sandst, siltst. and grit		
290.0	365.0			massive coarse conglom. with arkosic grit base		
365.0	370.0			less coarse conglom. with arkosic sandst. base		
370.0	390.0			massive coarse conglom. with arkosic grit base		
390.0	396.0			less coarse conglom. with arkosic sandst. base		
396.0	403.0			intercalated siltst. and arkosic grit (pebbles)		
403.0	425.0			intercalated siltst. and arkosic grit (pebbles)		
425.0	450.0	Recovery		intercalated ark. sandst. and ark. grit (pebble horizons)		
450.0	505.0	nearly		arkosic grit (dispersed pebbles; pyrite trace 501.0)		
505.0	515.0	100%		arkosic sandst. (dispersed pebbles)		
515.0	544.6			sandst. (dispersed pebbles; impersistent muddy partings)		
544.6	557.0			variable greywacke sandst. (pebbles)		
557.0	603.6			sandst. (dispersed pebbles; impersistent muddy partings)		
603.6	604.0			silts.		
604.0	606.6			sandst. (pebbles)		
606.6	613.0	↓		arkosic grit (dispersed pebbles)	↓	↓

Continued over:—

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Top of coastal ridge, N. of Saltwater Lagoon			
R.L. OF SITE:— +338'	SITE SURVEY ON MAP No.:— 3229	CORE SIZE:— BX → AX	
BEARING OF HOLE:—	AIR PHOTO No.:— 3085 Swansea Run 8	COMMENCED:— 19-7-68	
INCLINATION OF HOLE:— Vertical	DRILL:— F.C. 20	COMPLETED:— 18-9-68	
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