TR9-123-126

RESULTS OF DRILLING FOR WATER IN NORTH-WESTERN TASMANIA

Compiled by W. L. Matthews.

ALTITUDES ARE BAROMETRIC HEIGHTS.

T.D.S.=Total Dissolved Solids determined with a conductivity meter.

Bore No.	Date Completed	Owner and Locality	Quadrangle	Photo Run and No.	Co-ords.	Water Level	Total Depth	Output	Altitude	T.D.S.	Rock Types	Remarks
						ft.	ft.	Gal./Hr.	ft.	p.p.m.		
12	13.12.63	V.D.L. Co., Woolnorth	Cape Grim	R1/41831	984200N 281300E	..	29	200	55	1,500	0–1′ soil, 1′–12′ clay, 12′–29′ basalt	
13	17.12.63	V.D.L. Co., Woolnorth	Cape Grim	R1/41831	986300N 281000E	35	50	300	45	..	0–2′ soil, 2′–8′ clay, 8′–50′ limestone and clay	
14	23.1.64	V.D.L. Co., Woolnorth	Cape Grim	R1/41831	986300N 279600E	50	89	200	140	1,100	0–3′ sand, 3′—28′ clay and sand, 28′–50′ pebbly clay, 50′–89′ basalt	
15	6.2.64	V.D.L. Co., Woolnorth	Cape Grim	R2/41777	990000N 281000E	..	48	..	40	..	0–1′ soil, 1′–27′ white sand, 27′–40′ white pebbly sand, 40′–48′ quartzite	
16	12.2.64	V.D.L. Co., Woolnorth	Cape Grim	R2/41777	990000N 281000E	35	43	100	35	1,000	0–1′ sandy soil, 1′–20′ white sand, 20′–40′ sand with some clay and wood fragments, 40′–43′ white quartzite	
17	13.2.64	V.D.L. Co., Woolnorth	Cape Grim	R1/41831	984200N 282500E	60	62	400	c.60	..	0–1′ black soil, 1′–62′ clay and limestone	Salty water
18	17.2.64	V.D.L. Co., Woolnorth	Cape Grim	R1/41831	984200N 283000E	60	63	400	70	600	0–5′ sand, 5′–63′ clay and limestone	
19	20.2.64	K. Innes, Scopus	Smithton	R3/30320	972800N 308500E	..	41	..	100	..	0–1′ soil, 1′–10′ clay, 10′–30′ pebbly clay, 30′–41′ mudstone	Stopped by Hirer
20	21.2.64	K. Innes, Scopus	Smithton	R3/30320	972800N 308500E	37	52	150	100	750	0–1′ soil, 1′–20′ pebbly clay, 20′–52′ mudstone	
21	25.2.64	C. E. Quilliam, Montagu	Woolnorth	R1/46132	975800N 304500E	45	60	200	50	..	0–4′ sand, 4′–10′ clay, 10′–15′ pebbly clay, 15′–30′ clay, 30′–45′ clay with gravel and shell bands, 45′–60′ mudstone	
22	9.3.64	B. J. Williams, Montagu	Woolnorth	R1/46132	978800N 305200E	26	33	50	70	480	0–3′ sandy soil, 3′–7′ pebbly clay, 7′–12′ gravel, 12′–33′ basalt	
23	24.3.64	L. E. Quilliam, Montagu	Woolnorth	R1/46132	977500N 304100E	45	63	400	60	300	0–3′ sandy soil, 3′–20′ pebbly clay, 20′–63′ mudstone	

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						ft.	ft.	Gal./Hr.	ft.	p.p.m.		
24	25.3.64	L. E. Quilliam, Montagu	Woolnorth	R1/46132	978500N 304000E	38	65	200	30	1,700	0–3′ sand, 3′–30′ pebbly clay, 30′–65′ mudstone	
25	7.4.64	L. G. Kilby, Scopus	Smithton	R10/8147	973800N 309700E	40	60	400	40	300	0–3′ sand, 3′–12′ pebbly clay, 12′–35′ gravel, 35′–60′ hard mudstone	
1	16.4.64	District Hospital, Smithton	Smithton	R8/609	968000N 319500E	55	61.5	400	100	280	0–2′ soil, 2′–4′ hardpan, 4′–17½′ pebbly clay, 17½′–28′ slate, 28′–30′ broken slate, 30′–37′ slate with clay zones, 37′–61½′ slate	
2	27.4.64	A. J. Kay, Alcomie	Smithton	R9/43561	955500N 323300E	35.5	40.5	300	..	..	0–7′ soil, 7′–15′ basaltic clay, 15′–30′ basalt boulders, 30′–40½′ basalt	
3	1.5.64	L. J. Rabe, Nabageena	Trowutta	R7/43601	949600N 320000E	37	55	500	570	70	0–1′ soil, 1′–15′ clay and broken mudstone, 15′–55′ mudstone	Discoloured water
4	6.5.64	A. Matkovich, Trowutta	Trowutta	R7/43600	946000N 315200E	50	100	600	620	90	0–3′ soil, 3′–60′ clay, 60′–100′ mudstone	
5	9.5.64	A. Matthews, Trowutta	Trowutta	R7/43600	947600N 316600E	35	48.5	600	520	75	0–½′ soil, ½′–4′ broken mudstone, 4′–48½′ mudstone	
6	20.5.64	A. Matthews, Trowutta	Trowutta	R7/43600	948700N 317500E	72	89.5	350	490	..	0–4′ soil, 4′–45′ clay, 45′–72′ soft mudstone 72′–84′ hard mudstone, 84′–89½′ broken mudstone	Has since collapsed
7	22.5.64	E. Matthews, Trowutta	Trowutta	R7/43600	948200N 317300E	31.5	55	500	540	90	0–2′ soil, 2′–25′ broken mudstone and clay, 25–31′ mudstone, 31′–52′ broken mudstone, 52′–55′ mudstone	
8	29.5.64	C. W. & N. C. Phillips, Trowutta	Trowutta	R7/43600	947300N 317500E	..	95	..	410	..	0–1½′ soil, 1½′–65′ clay, 65′–95′ broken quartzite, chert with some clay	
9	2.6.64	W. J. Purdy, Christmas Hills	Woolnorth	R5/48571	962400N 309800E	26	60	600	340	80	0–5′ soil, 5′–45′ basaltic clay, 45′–60′ weathered basalt	
*10	5.6.64	M. M. House, Green Hills	Smithton	(No photo)	981400N 333900E	32	37.5	300	20	240	0–5′ scil, 5′–32′ weathered basalt, 32′–35′ basalt boulders, 35′–37½′ basalt	
11	1.7.64	J. E. A. Clarke, Green Hills	Smithton	R1/30303	981000N 332500E	..	130	..	20	..	0–3′ soil, 3′–120′ basaltic clay and some boulders, 120′–130′ weathered basalt	
12	7.7.64	J. E. A. Clarke, Green Hills	Smithton	(No photo)	981050N 332450E	120	175	300	30	600	0–175′ basalt boulders	

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						ft.	ft.	Gal./Hr.	ft.	p.p.m.		
13	9.7.64	E. J. Anthony & Son, Green Hills	Smithton	R1/30303	981000N 332550E	30	67	500	30	260	0–5′ soil, 5′–44′ basaltic clay and boulders, 44′–67′ basalt with clay bands	
14	11.7.64	M. E. Wells, Stanley	Smithton	R1/30303	977800N 333500E	10	40	600	10	360	0–1½′ soil, 1½′–11′ grey clay, 11′–40′ weathered basalt	
15	17.7.64	J. A. Tatlow, Mawbanna Road	Smithton	R7/30642	967500N 337400E	45	57	400	30	260	0–12½′ black sandy soil, 12½′–57′ hard black slate	Water slightly discoloured
16	24.7.64	W. B. Wright, Mawbanna	Trowutta	R7/43614	946200N 346500E	20	48	500	880	60	0–9′ soil, 9′–20′ weathered basalt, 20′–26′ basalt, 26′–40′ basaltic clay, 40′–46′ basalt, 46′–48′ clay and boulders	
17	30.7.64	F. A. Townley, Mawbanna	Trowutta	R7/43614	947000N 343500E	12	46.5	1,000	750	110	0–2′ soil, 2′–15′ basaltic clay, 15′–20′ black mudstone, 20′–38′ clay, 38′–46½′ mudstone	
18	5.8.64	E. J. Gale, Redpa	Woolnorth	R5/48560	959000N 287000E	45	62	800	100	670	0–3′ soil, 3′–10′ clay, 10′–23′ sandy clay, 23′–48′ clay, 48′–51′ limestone, 51′–55′ clay, 55′–62′ limestone	
19	11.8.64	J. C. Hill, Redpa	Woolnorth	R5/48560	959500N 286500E	45	53.5	600	90	280	0–6′ hard clay, 6′–40′ sandy clay, 40′–46′ slate, 46′–53½′ broken slate	
20	15.8.64	L. J. Aylett, Redpa	Woolnorth	R5/48560	958000N 286700E	43	63	800	100	190	0–5′ soil, 5′–10′ basaltic clay, 10′–20′ sandy clay, 20′–25′ hard clay, 25′–63′ mudstone	
21	25.8.64	L. J. Aylett, Redpa	Woolnorth	R5/48560	959600N 285500E	45	60	500	110	240	0–3′ black sandy soil, 3′–5′ hardpan, 5′–15′ black sand, 15′–30′ sandy clay, 30′–53′ limestone with clay bands, 53′–60′ limestone	
22	31.8.64	G. Grey, Marrawah	Woolnorth	R5/48555	959800N 278300E	..	34.5	..	90	..	0–3′ sandy soil, 3′–12′ clay, 12′–32′ sand, 32′–34½′ sand and boulders	
23	17.9.64	G. Grey, Marrawah	Woolnorth	R5/48555	960000N 278400E	..	80	..	50	..	0–3′ sandy soil, 3′–15′ clay, 15′–38′ sand, 38′–49′ clay, 49′–50′ sand, 50′–51′ sandstone, 51′–80′ sandstone and quartzite	Tools lost

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						ft.	ft.	Gal./Hr.	ft.	p.p.m.		
24	30.9.64	D. Greene, Marrawah	Woolnorth	R5/48557	960100N 282000E	..	200	..	310	..	0–1½′ sandy soil, 1½′–130′ basaltic clay and boulders, 130′–200′ limestone (Tertiary)	
25	10.9.64	D. Greene, Marrawah	Woolnorth	R5/48557	960200N 282000E	..	110	..	220	..	0–1½′ soil, 1½′–70′ clay and basalt boulders, 70′–110′ basalt and some limestone	
26	20.10.64	D. Greene, Marrawah	Woolnorth	R5/48557	960000N 281300E	85	116.5	350	370	350	0–62′ clay and basalt, 62′–65′ basalt, 65′–85′ clay and basalt, 85′–116½′ basalt	
27	26.10.64	N. A. Wells, Marrawah	Woolnorth	R5/48557	959000N 280300E	40	55	150	375	610	0–3′ soil, 3′–5′ hardpan, 5′–31′ clay, 31′–50′ basalt, 50′–53′ clay, 53′–55′ basalt	
28	28.11.64	E. H. Marshall, Marrawah	Woolnorth	R5/48557	959900N 280900E	120	163	100	370	840	0–1′ soil, 1′–78′ clay and basalt, 78′–98′ weathered basalt, 98′–100′ clay, 100′–120′ weathered basalt, 120′–137½′ basalt, 137½′–163′ weathered basalt	
29	4.12.64	W. J. N. Nicholls, Marrawah	Woolnorth	R5/48557	958000N 280200E	..	90	..	320	..	0–3′ soil, 3′–90′ basaltic clay and basalt	
30	12.12.64	C. R. Kay, Alcomie	Smithton	R9/43561	957700N 325200E	35	43.5	500	740	90	0–5′ soil, 5′–35′ clay and basalt boulders, 35′–43½′ basalt	
31	15.12.64	E. J. Bessell, Rocky Cape	Smithton	R4/30835	959300N 351800E	35, 47	54	500	180	150	0–7′ soil, 7′–36′ basaltic clay, 36′–38′ hardpan, 38′–45′ sand, 45′–50′ soft sandstone, 50′–54′ sandstone with quartz veins	

***WATER ANALYSES**

COMPOSITION (Parts/million)

Name	Total Dissolved Solids	Iron Oxide and Alumina	Calcium	Magnesium	Sodium	Chlorine	Sulphate	Carbonate	Silica	pH
M. M. House, Green Hills	559	0.7	18.1	18.2	142	169	30.5	95.2	46.3	7.5