

TR8-151-153

## RESULTS OF DRILLING FOR WATER IN NORTHERN AND SOUTHERN TASMANIA, 1963

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

Bore No.	Date Completed	Owner and Locality	Quadrangle	Photo No. and Run	Co-ords	Water Level	Total Depth	Output	Altitude	T.D.S.	Rock Types	Remarks
32	12/1/63	Foster Bros., Dysart	Brighton	R3/16278	760000N 505000E	ft. ..	ft. 95	Gal./Hr. ..	ft. 910	ppm. ..	0-45' clay and shale, 45'-95' shale	Tools lost
33	21/1/63	Foster Bros., Dysart	Brighton	R3/16278	760000N 505000E	120	138	250-300	910	2600	0-20' clay and shale, 20'-138' hard grey shale	
18	28/1/63	F. & P. Cripps, Broadmarsh	Brighton	R7/17687	746200N 503000E	15	140	250-300	210	880	60'-140' grey shale	Deepening
34	31/1/63	L. S. Bruce, Broadmarsh	Brighton	R7/17684	747800N 500500E	20	80	250-300	270	1050	0-20' clay, 20'-80' sandstone	
30	1/2/63	Mrs. E. Jones, Dysart	Brighton	R3/16276	759000N 503000E	100	125	250-300	960	..	78'-125' grey and blue shale	Deepening
35A	4/2/63	C. Pennycook, Broadmarsh	Brighton	R7/17684	748000N 500500E	..	18	..	250	..	0-18' boulders and dolerite	Abandoned
35B	4/2/63	C. Pennycook, Broadmarsh	Brighton	R7/17684	748000N 500500E	..	12	..	250	..	0-12' boulders and dolerite	Abandoned
35C	5/2/63	C. Pennycook, Broadmarsh	Brighton	R7/17684	748100N 500500E	..	14	..	260	..	0-14' boulders and dolerite	Abandoned
36	15/2/63	G. Brown, Brighton	Brighton	R9/18402	742900N 504700E	140	182	180-200	350	..	0-60' sandstone, 60'-75' grey shale, 75'-182' sandstone	
37	25/2/63	W. Gunn, Broadmarsh	Brighton	R7/17684	749800N 500000E	..	22	..	210	..	0-14' sand, 14'-22' river gravel, 22' dolerite	Abandoned
30	29/2/63	Mrs. E. Jones, Dysart	Brighton	R3/16276	759000N 503000E	155. 175	175	180	960	1900	125'-175' grey and blue shale	Deepening
38	7/3/63	E. J. Cameron, Ross	Tooms	R2/20367	817300N 539500E	60	70	..	780	..	0-70' shale and sandstone, 70' dolerite	Insufficient water
39	9/3/63	E. J. Cameron, Ross	Tooms	R2/20367	816800N 539200E	50	90	200-250	780	2900	0-40' clay, 40'-88' sandstone, 88'-90' dolerite	
40	11/3/63	E. J. Cameron, Ross	Tooms	R2/20367	817500N 539800E	..	8	..	810	..	0-8' sand and dolerite	Abandoned
41	12/3/63	E. J. Cameron, Ross	Tooms	R2/20367	817600N 539400E	..	33	..	790	..	0-12' clay, 12'-30' sandstone, 30'-33' dolerite	Abandoned
42	19/3/63	A. Taylor, Campbell Town	Lake River	R7A/4562	846500N 511400E	4	95	200-250	520	840	0-8' sand, 8'-94' sandstone, 94'-95' dolerite	
43A	21/3/63	A. Taylor, Campbell Town	Lake River	R7A/4564	846600N 522900E	..	27	..	abt. 590	..	0-25' sand, 25'-27' dolerite	Abandoned
43B	23/3/63	A. Taylor, Campbell Town	Lake River	R7A/4564	846600N 522700E	..	85	..	abt. 590	..	0-10' sand, 10'-30' basalt, 30'-60' sandstone, 60'-84' basalt and mudstone, 84'-85' dolerite	Abandoned

UNDERGROUND WATER.

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RESULTS OF DRILLING FOR WATER IN NORTHERN AND SOUTHERN TASMANIA, 1963—continued.

Bore No.	Date Completed	Owner and Locality	Quadrangle	Photo No. and Run	Co-ords	Water Level	Total Depth	Output	Altitude	T.D.S.	Rock Types	Remarks
						ft.	ft.		ft.			
44	27/3/63	A. Taylor, Campbell Town	Lake River	R7A/4564	845000N 522000E	120	128	250-300	510	1140	0-20' sand, clay, gravel, 20'-40' soft clay, 40'-120' hard grey clay, 120'-128' sandstone	
45	3/4/63	L. C. Wilson, Whitefoord	Swanston	R8/28420	778000N 541000E	38	80	200-250	1015	2400	0-78' mudstone, 78'-80' dolerite	
46	9/4/63	C. Reynolds, Penna	Sorell	R2/3207	732000N 536500E	..	165	..	90	..	0-90' clay with pebbles, 90'-95' sand, 95'-165' clay with pebbles	
47	23/4/63	Golf Club, Penna	Sorell	R2/3207	731750N 536600E	..	35	..	70	..	0-34' clay, sand, 34'-35' dolerite	
48	26/4/63	Golf Club, Penna	Sorell	R2/3207	731100N 536500E	60	100	250-300	25	..	0-10' clay, sand, 10'-100' sandstone	
49	30/4/63	B. Lovell, Penna	Sorell	R1/3141	733800N 534100E	90	115	200-250	260	1240	0-6' soil, clay, 6'-115' sandstone	
50	7/5/63	M. Featherstone, Penna	Sorell	R1/3142	734800N 535700E	..	39½	..	50	..	0-20' clay, 20'-39' 6"; vesicular and hard basalt	
56	25/5/63	A. Duncombe, Penna	Sorell	R1/3142	735300N 537300E	16	40	250-300	40	..	0-10' clay, 10'-17' clay and basalt boulders, 17'-40' basalt	
57	30/5/63	K. Eddington, Penna	Sorell	R1/3140	735500N 534200E	..	165	..	140	..	0-165' clay (various colours)	
58	4/6/63	C. Reynolds, Penna	Sorell	R2/3207	732600N 534700E	..	138	..	90	..	0-138' clay with pebbles	
*59	26/6/63	H. Manson, Rokeby	Hobart	R7/73	719500N 528200E	60	124	60	110	..	0-3' clay and gravel, 3'-124' mudstone with thin hard bands of sandstone	Insufficient water
60	4/7/63	L. J. Shields, Orielton	Buckland	R10/57	739400N 538300E	60	130	..	250	..	0-100' sandstone and shale, 100'-130' shale	Tools lost
61	12/7/63	L. J. Shields, Orielton	Buckland	R10/57	739400N 538300E	60	150	200-250	250	..	0-150' clay, sandstone and shale with some coal	
62	15/7/63	L. J. Shields, Orielton	Buckland	R10/57	739000N 538000E	10	70	300-350	200	..	0-38' clay and sandstone, 38'-70' sandstone and shale	
63	23/7/63	L. V. Green, Orielton	Buckland	R10/57	739500N 537800E	80	97	150	240	..	0-6' clay and basalt boulders, 6-30' basalt, 30'-80' clay and gravel, 80'-97' basalt	Has since gone dry
64	27/7/63	A. Ellis, Orielton	Buckland	R11/27904	736400N 538800E	30	70	300-350	130	4200	0-70' sandstone and shale	
65	10/8/63	N. Calvert, Lauderdale	Hobart	R6/59	720000N 533400E	25	130	200-250	60	2200	0-130' sandstone and shale	
66	13/8/63	R. Bellette, Runnymede	Buckland	R7/21170	748700N 539600E	12	60	250-300	770	700	0-60' sandstone and shale	

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Bore No.	Date Completed	Owner and Locality	Quadrangle	Photo No. and Run	Co-ords	Water Level	Total Depth	Output	Alti- tude	T.D.S.	Rock Types	Remarks
						ft.	ft.		Gals./Hr.			
74	13/11/63	P. Chilvers, Cleveland	Lake River	R7/5762	851000N 527600E	70	145	..	670	1300	0-60' clay and sand, 60'-90' clay with bands of quartz gravel, 90'-95' clay with decomposed wood fragments, 95'-115' gravel, 115'-145' sand and clay, 145' dolerite?	
77	4/12/63	Y.M.C.A., Carlton	Sorell	R5/6048	721600N 548200E	55	125	200-250	140	1750	0-18' sand, 18'-125' sandstone	
78	16/12/63	J. Heywood, Rokeby	Hobart	R6/11052	722500N 526500E	48	62	..	230	..	0-30' clay and gravel, 30' -58' hard mudstone, 58'-62' dolerite	Insufficient water

**\* Analysis of Bore Water from Bore No. 59/1963**

	ppm	Probable Combinations	ppm
Total dissolved solids ....	4117.0		
Fe <sub>2</sub> O <sub>3</sub> + Al <sub>2</sub> O <sub>3</sub> .....	1.2	CaSO <sub>4</sub> .....	420.5
Ca .....	123.8	MgSO <sub>4</sub> .....	11.5
Mg .....	252.0	MgCO <sub>3</sub> .....	456.7
Na .....	1013.0	MgCl <sub>2</sub> .....	462.0
Cl .....	1906.0	NaCl .....	2575.0
SO <sub>4</sub> .....	305.9	Fe <sub>2</sub> O <sub>3</sub> + Al <sub>2</sub> O <sub>3</sub> .....	1.2
CO <sub>2</sub> .....	325.0	SiO <sub>2</sub> .....	48.4
SiO <sub>2</sub> .....	48.4		
pH .....	7.8		